	Supplementary1: The mRNA expression matrix					
gene_nam	Control1	Control2	Control3	Vitiligo1	Vitiligo2	Vitiligo3
TSPAN6	40	12	38	27	16	23
TNMD	0	0	0	0	0	0
DPM1	628	452	990	618	518	515
SCYL3	2096	1128	2130	1777	952	1789
C1orf112	714	348	878	721	436	450
FGR	12702	9340	20287	13242	9451	9840
CFH	273	178	508	516	361	546
FUCA2	1834	683	1941	1401	1233	1087
GCLC	2161	1281	2528	2168	1570	1749
NFYA	3136	2630	4923	3395	2184	2559
STPG1	139	90	122	92	84	122
NIPAL3	5323	2785	4960	4825	2826	3986
LAS1L	1469	795	1861	1490	975	1077
ENPP4	2744	1325	4567	3847	1886	2206
SEMA3F	6	3	3	5	0	0
CFTR	0	0	0	0	0	0
ANKIB1	5259	2678	5554	5018	3253	3974
CYP51A1	1260	870	1668	1320	830	955
KRIT1	4103	1685	3433	3420	1745	2585
RAD52	631	346	735	622	421	428
BAD	266	177	428	309	208	278
LAP3	3050	1225	3434	2417	1640	1431
CD99	4797	2533	6226	6555	4987	3733
HS3ST1	106	29	85	52	73	67
AOC1	3	28	0	0	0	0
WNT16	78	10	46	32	62	53
HECW1	0	0	0	0	0	0
MAD1L1	1477	751	1785	1611	1139	1091
LASP1	13659	9719	20210	14616	8905	10596
SNX11	1782	1202	2619	1650	1085	1376
TMEM176A	106	439	175	114	105	45
M6PR	3037	1658	3788	3326	2261	2538
KLHL13	58	37	52	49	52	30
CYP26B1	0	0	2	0	3	0
ICA1	159	107	196	94	110	94
DBNDD1	82	82	124	105	46	25
ALS2	1746	780	2104	1683	694	1185
CASP10	2757	1101	2316	2746	1115	1688
CFLAR	15925	13215	25371	16327	10778	13042
TFPI	333	380	546	280	724	321
NDUFAF7	1089	507	1227	805	514	722
RBM5	12579	8919	17917	14000	8422	10841
MTMR7	7	0	10	20	12	14
SLC7A2	0	0	0	0	0	0
ARF5	2274	1501	3382	2015	1909	1793
SARM1	2842	1470	3317	3051	1585	2311
POLDIP2	1353	690	1675	1422	993	1066
PLXND1	4808	2840	6322	7100	4911	3956
AK2	4711	2424	5298	4317	2630	3239
CD38	3633	1313	3887	3157	1551	1503
FKBP4	1128	732	1922	1442	702	934
KDM1A	2794	1373	3270	2670	1600	2110
RBM6	5807	3386	7100	5458	3617	4179
CAMKK1	492	409	994	488	453	342
RECQL	4438	2055	5053	4564	2422	3563

VPS50	3231	1567	3056	3176	1824	2345
HSPB6	0	2	0	0	0	0
ARHGAP3	286	174	348	272	189	220
NDUFAB1	530	219	504	524	248	337
PDK4	2492	1027	508	932	1085	1571
SLC22A16	139	49	149	113	147	62
ZMYND10	115	69	191	101	110	131
ABCB5	3	0	0	0	2	2
ARX	0	0	3	0	0	0
SLC25A13	1296	557	1207	892	661	732
ST7	390	270	647	551	595	412
CDC27	4120	2343	4613	4113	2889	3417
SLC4A1	220	119	346	145	174	1288
CALCR	3	5	0	0	0	2
HCCS	621	312	745	584	359	525
DVL2	930	613	1158	973	615	748
PRSS22	11	10	28	24	7	20
UPF1	5430	4507	8080	5618	4187	4175
SKAP2	4821	3785	5731	4254	4981	3705
SLC25A5	4268	2391	5351	4255	3752	3126
MCUB	3927	1761	3619	3647	2160	2662
HOXA11	0	0	0	0	0	0
POLR2J	293	171	532	370	178	246
DHX33	1446	545	1195	1105	782	756
MEOX1	56	36	54	61	57	46
THSD7A	32	13	50	66	13	25
LIG3	3630	1796	4652	3625	2586	2722
RPAP3	2338	1430	2259	2000	1370	2012
ACSM3	271	129	174	158	158	155
REXO5	60	45	127	115	77	88
CIAPIN1	654	420	839	767	422	503
SPPL2B	2119	1171	2348	1726	1219	1115
FAM214B	1278	943	1930	1439	946	1106
COPZ2	40	45	46	39	23	11
PRKAR2B	7318	7294	10876	7177	22442	6101
MSL3	4584	2598	4020	3102	1986	2663
CREBBP	12044	9211	16145	11590	7847	8432
TSPOAP1	2568	2205	5844	6742	2118	2440
MPO	223	213	722	224	614	401
PON1	0	0	0	3	0	0
GCFC2	1124	552	1136	966	621	954
WDR54	175	127	228	253	139	163
CROT	1119	446	1244	1115	522	742
ABCB4	468	264	574	316	161	193
KMT2E	13984	8556	15596	13308	8292	10498
RHBDD2	403	254	1521	503	231	494
SOX8	72	34	102	68	35	20
IBTK	5660	2800	6377	5920	3656	4383
ZNF195	768	1027	1572	1257	839	1306
MYCBP2	35060	18331	43694	35389	23099	26856
FBXL3	6160	3971	7991	6336	3777	4771
ITGAL	24664	14047	36960	32923	18053	18975
PDK2	316	160	234	287	249	196
ITGA3	181	72	145	254	126	180
ZFX	5127	4944	5940	3996	1701	4073
LAMP2	7933	5785	9575	6761	5092	5316
ITGA2B	5978	6128	6957	5819	17304	4596
ASB4	0	0	0	0	0	0

GDE1	1634	1153	2104	1826	1489	1287
REX1BD	574	314	800	558	390	522
CRLF1	0	4	14	7	10	0
OSBPL7	1532	808	2099	2169	1021	980
TMEM98	0	2	3	0	3	0
YBX2	4	0	3	7	3	4
KRT33A	0	0	0	0	0	0
MAP3K14	2892	1421	3676	2248	2013	1863
ABCC8	0	0	0	0	0	0
CACNG3	0	0	2	0	0	0
TMEM132A	27	30	93	19	29	12
AP2B1	10397	5333	13662	11493	7648	5181
TAC1	0	0	0	0	0	0
ZNF263	992	610	1073	968	573	689
CX3CL1	0	0	0	0	0	0
SPATA20	698	618	1268	1016	407	802
CACNA1G	0	0	0	4	0	0
TNFRSF12A	12	36	31	13	11	12
DLX6	0	0	0	0	0	0
MAP3K9	1083	595	912	896	596	683
RALA	1539	941	828	1691	983	1317
BAIAP2L1	67	10	53	20	22	44
KDM7A	14917	8880	17664	13629	10677	11277
ETV1	0	2	6	4	8	10
AGK	1876	695	1977	1917	1135	1101
ALDH3B1	1582	780	1616	1527	1283	1236
TTC22	692	415	1242	1064	325	631
PHTF2	3390	1519	3531	2857	2343	2342
CCL26	0	0	0	0	0	0
FARP2	2127	1093	2338	2234	1473	1562
USH1C	0	0	0	0	0	0
GGCT	183	92	190	147	100	160
DBF4	525	446	896	692	403	381
TBXA2R	215	160	269	144	302	92
IFRD1	1937	3065	3694	2147	2085	1173
LGALS14	3	0	0	0	0	0
COX10	596	276	734	726	583	390
GTF2IRD1	13	5	17	12	7	6
PAF1	722	641	1143	643	604	494
VPS41	6601	3337	7602	6736	4802	4735
ARHGAP44	10	14	16	6	10	11
ELAC2	2384	1204	2757	2540	1323	1737
SCIN	57	16	59	34	33	56
ARSD	905	1205	1055	1438	1172	1914
PNPLA4	196	126	166	127	80	175
MYH13	0	0	0	0	0	0
ADIPOR2	4650	2252	5707	4083	3671	3070
CDKL3	89	19	47	63	42	52
UPP2	0	0	2	0	0	0
PRSS21	31	43	119	24	47	39
MARK4	1117	744	1653	1240	659	922
PROM1	14	40	17	11	24	22
CCDC124	215	131	300	269	139	139
CEACAM2	626	257	686	460	322	406
PAFAH1B1	15350	7817	15720	13714	9584	10646
NOS2	19	8	0	6	2	5
DNAH9	0	0	2	4	0	0
KIAA0100	11542	7029	14955	12138	9265	9299

SLC13A2	0	0	0	0	0	0
GAS7	8674	5458	9792	8708	7068	6878
TRAPPC6A	523	217	496	429	361	357
MATK	1435	1167	2762	2477	953	1316
CEACAM7	0	2	0	0	0	0
CD79B	1542	720	1433	799	1031	670
SCN4A	29	20	28	21	3	18
ST7L	814	447	909	805	441	590
TKTL1	208	294	269	341	106	52
PAX6	0	4	2	4	4	0
RPUSD1	297	227	376	527	408	411
RHBDF1	7	1	5	7	5	3
LUC7L	4540	3199	7399	5148	3586	3465
CACNA2D	947	443	1671	1501	563	308
BAIAP3	279	321	359	175	417	234
TSR3	339	244	554	420	205	287
PIGQ	695	501	1230	796	788	684
CRAMP1	1811	1239	2480	2067	1469	1350
TEAD3	7	3	5	3	0	3
SELE	0	0	0	3	0	0
DNAJC11	1465	806	1809	1354	953	931
FMO3	0	0	0	0	2	0
MYLIP	3253	4059	7412	4883	2655	2005
NOX1	4	0	0	3	0	0
E2F2	609	282	1018	583	456	515
PSMB1	2303	1043	2635	2127	1235	1744
SYN1	8	0	9	6	11	7
JARID2	6094	5025	9105	6347	4868	4138
CDKL5	801	328	572	410	255	373
CAMK1G	0	0	0	0	3	0
CDK11A	1166	986	1853	1287	993	574
NADK	6701	6964	11504	5808	5172	4864
TFAP2B	0	0	0	0	0	0
TFAP2D	0	0	0	0	0	0
DLEC1	530	293	496	503	320	494
CYTH3	1041	611	1037	1311	813	859
ADAM22	542	315	579	678	310	591
SYPL1	2811	1739	3882	2443	2501	1964
CYB561	777	543	1493	1027	751	942
SPAG9	6650	5640	9492	6999	4902	5084
CELSR3	304	188	624	359	348	212
AASS	218	133	440	324	148	209
PLEKHG6	17	2	0	4	4	6
SS18L2	617	385	941	736	510	599
MPND	445	227	451	421	248	258
MGST1	279	268	306	250	179	243
CRY1	1160	952	2167	1686	1114	965
PGLYRP1	39	107	176	54	36	145
NFIX	353	61	191	244	142	233
ST3GAL1	10002	5232	10593	10608	6230	7034
MMP25	1008	4783	4088	713	551	564
IL32	5808	2798	7535	4676	2681	4954
PKD1	5715	3064	7358	5963	3586	4138
MAPK8IP2	34	9	11	11	24	7
MED24	1976	974	2259	1891	1161	1157
RHOBTB2	1276	550	1230	1073	707	761
HEATR5B	10301	5218	11763	11318	7032	7610
SEC62	6335	3142	6755	5515	3482	4648

RPS20	13645	7926	16767	12033	8345	9619
CSDE1	19355	12451	26897	20995	14100	16344
UBE3C	6963	3550	8093	7534	4829	5450
REV3L	4785	3741	7208	5953	3614	4808
TENM1	790	624	1320	546	394	970
PAX7	0	0	0	0	0	0
MASP2	15	5	18	14	6	6
IYD	0	0	0	0	0	0
FAM76A	988	617	1494	1082	767	834
TRAF3IP3	16221	7959	16877	12919	7745	12921
POMT2	484	295	541	492	326	302
VTA1	2323	1086	2453	1459	1222	1726
MLXIPL	2	2	0	3	0	0
BAZ1B	6671	3360	7661	6402	3580	5004
RANBP9	3588	2168	5050	3890	2538	2918
ETV7	24	35	239	44	39	84
SPRTN	896	771	1267	1225	555	698
METTL13	1281	587	1466	1277	683	959
DYRK4	230	97	218	123	121	145
ZNF207	26576	14504	29492	12435	18449	22579
UQCRC1	2085	990	2718	1972	1541	1519
STARD3NL	1494	1022	2338	1929	1258	1256
CD9	675	957	988	740	2136	497
HHATL	3	2	2	0	0	0
NCAPD2	3358	1821	4399	3879	1917	3163
IFFO1	2675	1445	3450	2936	1918	2162
GIPR	255	126	309	264	152	166
PHF7	317	179	246	269	195	232
SEMA3G	28	20	48	51	38	39
NISCH	5824	3702	8405	7182	4541	5100
STAB1	8670	4597	13203	8638	6065	7014
FUZ	290	215	335	289	159	159
SLC6A13	20	14	30	16	16	11
IDS	10847	11737	16150	16802	9907	11519
PRSS3	9	0	12	0	0	0
ZNF200	963	567	878	916	422	760
CD4	8279	4701	11224	8753	7250	7448
LRRC23	240	87	212	207	115	135
BTK	3671	2207	4300	3468	2731	2712
HFE	188	160	173	136	122	201
SCMH1	785	448	908	956	489	675
FYN	13990	7637	15975	16430	9067	10859
HIVEP2	10178	5523	10202	8054	4615	7211
FMO1	0	5	0	0	0	0
ELOA	1561	1083	1946	2160	1007	1497
LYPLA2	981	541	1518	1007	743	623
CLCN6	2019	1008	2202	1352	1438	965
MRC2	120	61	155	172	104	129
NME1-NM	690	0	0	586	548	142
SLC6A7	0	2	2	0	5	0
TSPAN9	495	536	692	458	1231	316
BTBD7	4478	2375	4521	4280	2975	2817
APBA3	963	612	1642	1045	1011	765
MKS1	402	207	497	425	288	398
ABHD5	1901	1593	2327	1293	996	1357
ANOS1	8	2	4	0	4	4
AKAP8L	2240	1589	2811	2171	1427	1696
MBTD1	4388	2585	4988	3988	4140	3112

UTP18	1655	1045	2267	1502	1223	1212
RNF216	6435	3901	8456	6457	4057	5179
TTC19	2095	926	2913	2377	1718	1363
PTBP1	3455	2564	5200	3688	2592	3243
DPF1	3	0	0	2	2	0
SYT7	6	0	0	0	4	0
LARS2	1620	757	2070	1477	911	1119
PIK3C2A	6559	3427	6913	6236	4077	4887
PLAUR	1203	3619	4757	2032	1670	1161
ANLN	111	47	190	58	60	106
WIZ	1271	891	1617	1699	923	1086
RABGAP1	4581	2368	4909	4088	2812	3052
DCN	3	5	16	22	2	6
QPCTL	159	138	297	230	144	157
PPP5C	1327	771	1993	1481	618	1126
CEP68	2568	1341	2814	2663	1352	2102
MAP4K3	1531	729	1540	1461	887	1038
ZBTB32	130	53	109	79	111	82
TYROBP	3019	2253	5351	3834	3302	2251
TMEM159	277	304	586	302	396	183
GABRA3	0	0	0	0	0	0
BRCA1	503	240	593	347	245	258
ERCC1	1856	934	2139	1801	1398	1515
CD22	2696	1923	2631	1066	1427	1246
SEMA3B	14	31	53	33	18	20
MBTPS2	1478	635	1314	1164	842	1000
PRICKLE3	237	168	316	225	172	165
LTF	1278	1433	4583	1877	1203	6130
EXTL3	2988	2457	6030	4476	2281	2032
NR1H4	0	0	0	0	0	0
ELOVL5	7804	5438	9916	7039	5083	5135
ALOX5	6064	4109	8194	4234	3260	4285
KDM5D	7808	0	9438	7618	5194	0
CALCOCO	4695	3221	6515	4820	3071	3210
UBR7	1448	797	542	1566	981	1151
MAP4K5	3694	1872	4262	3429	2578	2334
EHD3	1697	1764	2736	1586	4174	1020
PSMC4	1507	1211	2380	1633	1216	1142
MAN2B2	3916	2520	5076	4497	2768	2982
SLC7A14	0	0	0	0	0	0
CLDN11	8	0	0	21	0	8
SLC25A39	885	525	1095	850	581	599
MVP	5314	3828	7725	5785	3608	4208
NUB1	3431	1879	3827	3162	2915	3060
PGM3	727	699	825	1426	813	603
RWDD2A	205	100	241	181	117	186
CLK1	7042	7463	13152	10291	4954	6289
POLR3B	1062	492	976	932	537	745
ANGEL1	2332	1038	2269	2205	1443	1555
RNF14	1936	865	1847	1698	1361	1455
DNASE1L1	918	453	1039	787	690	676
DDX11	294	255	396	197	194	266
HEBP1	618	350	714	704	538	540
GPRC5A	0	0	3	3	0	0
MAMLD1	75	40	122	33	46	42
CD6	5317	3364	8587	6412	3270	3961
TACC3	2947	2063	3401	2485	1857	1682
UFL1	4078	1737	3768	3670	2410	2906

POLA2	1248	727	1701	1313	880	1065
ZC3H3	1436	773	1939	1507	915	952
CAPN1	5486	3579	8332	6127	6066	3941
ACPP	1249	790	1521	626	924	905
MDH1	2509	1268	3135	2864	1691	2005
SLC30A9	1964	877	1976	1775	1896	2217
MTMR11	578	420	737	721	598	488
COX15	2467	1231	2723	2538	1836	2115
CCDC88C	15050	8520	20871	16359	9040	11603
YAF2	3692	704	6628	4300	741	2972
ZMYND11	1878	867	2013	1951	2156	2795
WAS	2285	1883	2883	2136	1485	1630
DPEP1	0	0	0	0	0	0
BID	1802	2372	2805	1219	977	701
MATR3	13394	12047	20697	20506	5994	14020
NPC1L1	11	0	4	7	4	16
XYLT2	1032	642	1471	1094	841	789
RGPD5	2549	2268	4468	3124	1866	1958
STMN4	0	0	0	0	2	0
NUDCD3	4277	2236	4654	3828	2536	2917
ISL1	0	0	0	0	0	0
CHDH	37	16	43	51	26	30
IL20RA	0	0	0	0	0	0
CLCA1	0	0	0	0	0	0
CLCA4	0	0	4	0	2	0
GLT8D1	653	329	789	716	382	602
ATP2C1	4556	2689	5777	5054	3882	3375
IGF1	35	10	12	2	22	2
SLC38A5	400	205	536	463	292	302
RALBP1	3358	2841	4858	3256	2159	2298
RUFY3	3202	1748	4232	3455	2279	2881
CNTN1	0	0	0	0	0	0
SLC11A1	7468	6818	10089	5545	4257	5127
WWTR1	40	27	140	54	61	77
AGPS	5558	2466	6090	5820	3503	4204
CXorf56	686	341	903	632	437	506
ATP1A2	19	4	2	0	0	0
TTC27	1771	872	1767	1554	1079	1197
ZNF582	237	150	301	247	167	236
VSIG2	21	14	36	24	30	11
PHLDB1	66	59	58	88	39	47
MARCO	210	20	166	164	155	220
CYP24A1	0	13	11	3	6	4
PRDM11	1215	531	1268	1313	758	895
SYT13	0	0	0	0	0	0
SNAI2	0	0	0	0	0	0
CD74	26009	14209	32296	26259	21040	15973
HGF	955	436	980	788	401	894
ZRANB1	4003	2786	5015	3816	2534	3221
NCDN	1019	503	1204	1011	612	664
ADGRA2	220	189	488	213	171	107
ZFP64	686	264	835	705	406	497
MNAT1	875	465	1133	931	587	620
SAMD4A	247	69	228	148	189	243
RUNX3	8382	5553	14031	14570	6483	5933
MRE11	5322	2209	6062	4351	2782	3819
PLEKHB1	290	222	486	337	170	407
SERPINB1	7742	5894	11338	7499	7183	6284

CYP3A43	10	0	2	0	0	0
SLC7A9	26	23	29	23	6	10
SPAST	2194	1641	3085	1744	1354	1653
NRXN3	0	0	0	0	0	0
OSBPL5	3039	1299	4371	4130	1471	1846
AQR	9023	4392	9967	8628	4919	7195
CPS1	33	19	22	27	12	13
C8B	0	0	0	3	0	3
FHL1	782	836	1560	564	3609	1152
RTF2	1938	1681	3046	2005	1389	1299
GABRA1	0	0	0	0	0	0
NLRP2	787	454	640	595	72	675
SLC45A4	1690	2682	3078	1559	1293	945
RNF10	5243	4053	6576	5307	3760	4018
ZNF839	1116	681	1167	1004	545	829
ZDHHC6	2934	1588	3625	2861	1924	2423
GRAMD1B	986	532	985	1153	1052	726
RNH1	2831	1939	4384	3541	2316	2257
NDUFS1	6073	2680	6435	5395	3411	4444
RB1CC1	6711	4281	5282	7244	9027	4983
ERP44	4565	2320	4920	4055	2773	3080
ALAS1	863	637	1508	846	695	962
BIRC3	7852	6747	9005	6426	4887	8223
AKAP11	13765	6443	13320	12371	7707	10553
GLRX2	1140	555	1176	1097	535	805
SNAPC1	513	164	380	292	244	287
DERA	884	390	739	774	499	709
STRAP	2514	1795	3753	3320	2555	2269
ABCC2	367	174	432	340	242	283
DEF6	5533	3168	7197	6004	3506	4371
PLEKHO1	4621	3125	6008	4234	3829	3241
GCLM	1783	1011	2453	2002	1830	1496
UBR2	15242	11627	19845	14790	10366	11119
EHD2	27	21	40	14	33	16
DEPDC1	28	4	34	18	33	8
CCDC28A	832	587	1224	853	506	616
RRAGD	857	723	1230	679	447	736
HSF2	857	398	889	804	439	569
PHF20	6444	4322	7676	6808	4249	4747
HSD17B6	11	2	6	10	0	2
NR1H3	150	79	139	146	112	87
TYMP	8014	4323	10569	6880	5421	5375
NCAPH2	1073	977	2081	1496	998	933
TOMM34	244	161	414	335	189	212
SEC63	5646	3128	5891	4874	3705	4260
KPNA6	7839	4105	9664	7980	5239	5787
VIM	22654	20660	41585	28092	20187	25834
RTEL1-TNI	912	561	1611	1158	754	646
FAS	1626	1687	2809	1504	1443	1714
RNASET2	9074	7918	10676	5966	6932	4986
CD44	14163	9358	15564	18080	9570	12052
KCNG1	255	77	130	77	19	42
AGPAT4	2040	1372	2984	2300	1924	1526
SLAMF7	4077	1646	4745	4708	2089	2615
BTN3A1	5598	2949	6683	5165	3281	3413
MIPEP	619	266	635	538	308	382
PRKCH	11556	7810	19323	19587	9448	10297
INSRR	7	3	4	15	5	0

IFNGR1	6031	5516	9196	7520	4620	5062
B4GALT7	512	323	894	748	352	476
SH2D2A	1918	1155	2677	2871	1674	1179
VRK2	1939	767	2076	1898	1270	1244
TNFRSF1B	20935	11795	25373	18649	16840	13013
VEZT	2214	1186	2685	2092	1565	1816
POU2F2	5087	1135	4762	4143	3764	3760
BRD9	3141	2146	4424	3705	2379	2427
SNX1	10194	4713	11129	6402	6442	7313
TBPL1	1298	642	1532	1179	805	998
ARNTL2	112	44	98	54	75	70
BCLAF1	15047	11417	20025	17554	10109	11553
SLC39A9	4584	1565	5923	4725	2941	3831
ANK1	657	495	928	557	1266	705
IBSP	0	0	0	0	0	0
TFB1M	764	407	834	721	452	626
RABEP1	6815	3208	6578	5914	3658	4617
HMGB3	88	85	124	85	93	95
NUP160	6112	3362	6883	5751	3726	4358
BAK1	1251	890	2018	1281	1065	887
MUSK	2	0	0	0	0	0
IKZF2	8513	2813	7406	7289	2285	5484
GRN	10426	6517	15543	11652	9671	7188
FAM13B	8344	4854	10836	8582	5880	6517
ARHGAP31	3117	1558	3176	2834	2458	2141
CENPQ	189	111	200	159	90	184
SARS	3442	1822	4375	3595	2092	2871
RANBP3	1965	1107	2444	1990	1206	1438
ARID4A	5204	3376	4971	3807	2578	3318
EIPR1	1147	589	1442	1165	899	807
PNPLA6	5117	2377	7115	5228	3311	2845
IFT88	1107	493	1253	943	555	785
ALG1	808	363	1004	984	423	597
ZCCHC8	2134	1430	2810	2020	1203	1852
ABCF2	1502	951	2089	1544	1081	1177
CHPF2	3000	1542	4247	3440	2233	2784
LRRC7	153	7	169	66	13	67
FUT8	2818	1478	2895	2353	1890	2287
UBA6	7428	3722	9011	7716	4814	5828
GAB2	3478	4780	6309	3445	3772	3034
ATP6V0A1	3462	2618	5267	2833	2948	2609
PIAS1	10375	5554	11019	9429	6619	7355
SLC4A7	8120	4480	9533	8121	5161	7092
APBA2	3435	1735	3181	3900	1615	1933
MAP2K3	2524	2466	4328	3193	2693	2010
EFCAB1	0	5	0	2	0	0
TMSB10	6380	3215	6109	5210	3142	3918
ASTE1	741	400	396	917	397	601
RNF19A	8187	4309	10169	7107	4515	4884
PEX3	780	381	810	784	392	637
GABARAPL	2696	2613	4542	3187	3328	2710
MYOC	0	0	0	0	0	0
SH3YL1	1444	711	1580	1378	813	1147
FAM136A	1062	617	1156	1067	447	863
VCL	21277	16054	28965	21667	41561	16761
DEPDC1B	53	40	81	49	58	59
DAPK2	362	912	1101	588	370	497
NSMAF	3558	1797	4368	3743	2324	2786

ADSS	4401	1748	4385	3817	2680	3319
STAP1	550	291	467	186	295	196
TIMP2	3890	2453	5966	3607	1471	3264
RFC1	3549	1941	4447	3790	2351	2759
TBC1D23	3281	2085	3980	2197	2464	2534
CUL3	7407	4627	8676	7165	4521	5677
MYOM2	239	190	138	89	242	24
OTC	0	0	0	0	0	0
CYP46A1	14	13	29	43	74	14
AC118549	4106	1860	4379	3587	2434	3742
SLC18A1	25	9	35	18	16	10
USP2	0	0	3	3	6	3
CASR	0	0	2	3	0	5
TUBG2	134	144	224	180	177	256
RPL26L1	110	49	97	60	52	65
FLT4	212	162	172	210	94	333
NSUN2	4370	2036	4288	3309	2624	2659
FBXO42	4655	2540	5134	4771	3288	3542
MFAP3	1019	555	1220	1366	266	826
MRI1	1133	481	1326	777	719	998
METTL1	122	109	102	137	69	98
HOXC8	0	0	0	0	0	0
AGA	1024	330	804	745	453	597
PI4K2B	1928	1002	2244	1705	1082	1754
BOD1L1	10463	9024	13682	9280	6362	7320
MAT2B	6870	3266	7424	6446	3740	4854
TLL1	0	0	0	0	0	0
EDC4	3283	1923	4888	4058	2481	2717
TRIO	8018	3699	7674	6826	5384	4932
VCAN	59785	30147	74846	61459	45616	59511
CLEC16A	4031	2225	4689	3882	2549	2903
MSR1	597	214	246	327	222	509
CDH1	21	26	58	46	90	25
MTREX	5514	2867	6313	5560	3423	4489
DNAH5	7	0	0	0	0	2
ZFYVE16	5472	3948	6748	5180	3598	4647
RIPOR1	2431	1863	3360	2299	2050	1708
C6	0	0	0	0	0	0
RAI14	31	43	93	62	12	19
SOX30	10	0	12	8	3	0
PNKP	2376	1483	3003	2419	1625	1660
BEST2	0	0	7	0	7	7
PHLPP2	1671	1024	1871	1816	1237	1307
SPDL1	396	188	340	293	242	219
STAU2	2801	1391	3286	2855	1655	2267
PQLC2	420	131	538	315	306	283
CTNS	582	350	763	650	476	471
RTN4R	57	8	44	45	23	28
PHF23	913	534	837	668	388	716
CDH10	0	0	0	0	2	0
INPP4A	9973	4905	11671	10901	6221	6812
RAB27B	5983	4884	10767	5515	13689	4334
PSMA4	2095	1147	2445	1777	1451	1631
MYO16	62	35	178	78	56	90
LSG1	2290	1343	2869	3437	1461	1682
PARP3	319	101	244	245	132	196
TNC	6	2	1	0	1	3
THAP3	262	197	330	314	180	246

RIPOR3	59	61	156	106	168	32
TDP1	1693	796	1930	1819	999	1331
AIFM2	192	182	281	221	140	183
C2orf83	0	0	0	0	0	0
SPATA7	320	69	232	194	158	176
MED17	3235	2275	5105	4179	2295	2908
RETSAT	1139	581	1326	1297	744	870
CAPG	1980	1262	2536	2124	1715	1721
AP2S1	941	311	1302	864	674	516
USH2A	0	0	0	4	0	0
ZPBP	0	0	4	5	0	2
TG	276	189	312	123	185	182
ADAM28	2999	1597	2957	1988	1853	1746
BARX2	0	0	0	0	0	0
DCUN1D1	4041	2580	4596	3907	3106	3134
JADE2	10413	4766	11367	10904	4996	7100
ZIC2	0	0	0	0	0	0
LCP2	14165	10002	18905	13771	7515	10503
TRIT1	1117	418	1351	977	894	1025
ADRB1	2	30	119	22	20	16
GUCA2B	0	0	0	0	0	0
CUL7	1132	614	1164	718	730	1007
CTNNA1	4384	2493	5808	4196	3761	3431
PHKA2	3450	2060	4380	3597	2303	2723
CNTLN	775	356	790	664	589	605
EPHA3	0	0	8	0	0	0
HSPA5	8666	7532	13880	10505	6938	6520
DSG2	14	4	17	21	8	24
GEMIN8	273	248	291	308	208	279
OFD1	4004	1882	3231	3617	2002	2989
GPM6B	19	4	26	24	62	21
MAGEC2	0	0	0	0	0	0
PREX2	9	0	2	0	0	2
WDR37	2913	2534	4192	5135	1633	3392
YTHDC2	7958	3904	8554	7279	5382	5793
CTPS2	736	353	780	663	401	556
ATP6V1H	1369	887	1929	1431	938	1021
POLR2B	8599	4434	9643	8932	4858	6674
FAM214A	7151	4077	8923	6273	4650	5530
ARAP2	16223	8125	20493	18308	9904	13055
TPR	13328	8206	14383	11772	6061	9459
CP	0	0	5	0	0	0
KIAA0556	1721	1212	2591	1675	1256	1159
DTNBP1	1162	589	1327	1122	690	778
XK	442	382	809	803	1129	781
ANO2	18	12	19	20	94	13
C12orf4	1552	624	1575	1366	381	1104
SCML1	1345	731	1256	1046	763	669
WWC3	3418	3820	4651	3418	2194	2475
ARHGAP6	592	581	778	528	1316	402
FAM184B	49	8	37	22	6	13
MAP4	5195	2811	7484	5527	3511	3781
GOPC	1612	1897	1422	1327	1927	1062
ROS1	0	0	0	0	0	0
USP28	4028	1956	5354	4570	2305	2491
HDAC9	2859	1245	2002	2393	1617	1561
TSPAN17	1593	723	1530	1771	1124	1323
NOP16	192	226	248	260	168	143

CC2D2A	85	31	82	43	33	54
RRM2B	2507	1616	2861	2227	1581	1726
ZNF800	4958	2456	5582	5102	2472	3618
TNFRSF17	74	52	68	20	50	30
SNX29	7763	3889	8148	6079	4594	4486
LMO3	0	0	0	2	0	0
MRPS10	1542	815	1797	1511	823	1124
GUCA1A	6	0	0	4	0	0
RSF1	6922	3744	6858	6829	3745	5063
VPS13D	19494	12380	24664	21051	15387	16753
CELF2	20053	8332	15031	17968	10321	9602
FAM120A	12256	7046	14295	11184	8258	8450
R3HDM1	2303	1144	2655	2274	1417	1672
COL9A2	299	221	388	170	233	178
KITLG	34	11	32	68	76	60
ERCC8	959	511	1031	830	648	766
ADAMTS6	327	225	603	422	369	428
H6PD	6809	3585	7278	7067	4177	4981
VAMP3	3698	2768	6237	4489	3284	3239
PER3	283	251	502	507	322	291
UTS2	861	359	417	465	456	299
TNFRSF9	139	212	404	366	100	249
EPN3	0	0	5	0	0	2
LTBP1	2048	2259	3017	2221	6020	1388
RCN1	880	505	979	966	522	491
ELN	0	0	0	0	0	0
RFC2	522	308	752	583	458	454
ARID1B	22092	12603	24353	19640	14065	16188
CLPTM1L	3066	1829	3884	3478	2356	2470
NEDD4L	480	211	630	566	341	323
FOXP3	97	47	95	78	46	104
PPP1R3F	570	279	589	551	347	434
HEXB	3395	2229	4300	3309	2885	2795
PTCD2	1590	721	1406	1372	744	1116
NEXMIF	158	86	144	195	75	79
JKAMP	1494	567	1758	801	1002	918
DKK3	13	16	5	12	14	44
ARHGEF5	701	213	1421	376	490	535
NFE2L3	428	450	805	787	247	655
MCUR1	1363	1000	1426	1211	1926	993
LIMA1	670	332	1166	808	427	486
LETMD1	2300	1168	2557	2266	1496	2097
SLC4A8	1399	584	1194	932	887	875
LAMC3	28	6	39	6	21	15
PTGER3	20	105	189	274	134	58
TNIP3	129	70	133	103	69	50
MAPK9	2803	1206	3373	2775	1697	2099
COL23A1	0	6	7	7	8	18
BCAR1	6	3	0	9	6	14
FAM160A2	2871	1820	3841	3317	1940	2298
HERPUD1	6337	3663	7975	5164	5805	4017
HOMER3	462	269	521	440	290	324
RAD51	36	26	67	31	30	49
POLQ	220	85	234	166	134	132
PIK3CB	5424	2745	6134	4805	4741	4523
CYBA	7168	4640	10353	7374	5201	5148
THOC3	1061	474	1269	1088	882	1043
HEBP2	3357	2231	4660	2966	1919	2773

MPHOSPH	5155	1824	4745	3970	2317	2718
PLEKHA5	490	337	750	1012	253	303
PRSS8	4	2	6	0	5	0
SIKE1	3174	1663	3508	3254	1704	2469
RRP12	1902	2215	4714	4188	2642	1613
FNIP2	3213	1748	4068	3054	2186	2236
MSMO1	1090	446	1453	1185	460	823
TTC17	8962	4484	9779	8615	5369	6983
ALX4	0	0	0	3	4	0
FSTL4	23	18	52	14	12	31
FOXN3	12823	6864	14374	12600	7790	7983
METTL24	28	8	16	24	15	19
AKR7A2	865	386	955	983	704	590
MRTO4	563	345	651	574	305	424
NNAT	5	15	34	15	17	10
USE1	225	142	232	246	95	145
MCF2L2	540	306	1061	756	273	428
NRIP2	56	14	39	42	6	15
LAMA3	5	0	9	9	3	4
AP5M1	5400	2110	5232	4397	2677	3816
ANAPC4	3499	1720	3549	3026	1835	2783
KCNQ1	1822	993	1951	1201	1099	1121
TRAPPC3	1042	570	1354	1100	757	940
THRAP3	9085	5346	10978	8863	5165	7017
PHPT1	501	191	668	522	364	305
ENTPD2	9	18	0	0	4	0
LY75	10903	5741	12383	11044	6723	7918
ARID4B	8050	5227	9273	7904	4773	5751
OPN3	967	367	953	836	751	587
SDCCAG8	1697	704	1439	1157	970	1322
PTPRN	12	5	10	8	70	11
HHAT	473	165	591	549	401	575
KIF1B	4356	3506	6638	4778	3952	3916
FOXC1	9	12	4	9	11	4
TBC1D22A	3276	2231	4396	2516	1976	1848
SYNE2	49319	28308	65964	58290	27726	36655
PLEKHH1	10	10	39	19	17	13
ATP9A	1094	816	531	1443	111	962
SPO11	0	0	0	0	0	0
CBLN4	0	0	0	0	0	0
CHRDL2	0	0	0	0	0	0
FAM168A	3981	2079	5338	4988	3020	3112
RELT	4872	5507	9419	4773	4788	3963
GALC	3483	1975	3765	3629	2004	2420
NOP58	2704	1653	3672	3060	1723	1971
SZRD1	1675	1068	2394	1685	2149	3204
KCNH2	78	56	86	73	68	55
CUL1	4014	2073	4623	4137	2303	2802
FAM114A2	1372	674	1484	1223	684	1127
CYFIP2	23008	11655	27997	25715	13507	15640
TAB2	4700	3467	6991	5319	4406	4911
GINM1	1405	1001	1728	1443	1138	1012
EIF2AK2	7688	3988	11175	8575	5437	5804
USP36	4442	3079	6609	5583	4824	3264
KMT2C	33470	24068	42479	35130	27024	26549
MCOLN3	36	11	75	36	23	46
CCDC85A	14	0	7	0	2	0
PUM2	14532	8256	18874	15309	10273	12572

MRPL43	598	357	695	354	397	430
ITIH4	698	410	616	972	605	799
ITIH1	35	3	13	18	5	16
HPF1	403	171	395	339	205	299
ZFR	5456	2865	6403	7245	4078	4781
ZNF280C	578	231	697	460	378	480
NPFFR2	0	0	0	0	0	0
PHF21B	0	0	0	0	0	0
TRAF1	6003	3162	8397	6789	3752	5853
RC3H2	10385	5453	12602	10191	7903	7886
IL17RB	11	5	17	24	9	25
TRAF3IP2	470	242	406	364	238	293
GYG2	0	0	0	0	0	0
DCBLD2	109	104	145	105	86	116
SERPINB3	0	0	0	0	0	0
SOAT1	7198	3916	8959	7287	4816	6113
PKP2	135	71	121	133	140	182
MSH4	34	23	20	34	8	27
F7	0	4	10	19	2	4
GDI2	11910	5877	11417	10365	8472	9665
PRDM1	4164	2316	4965	4256	2264	2653
ATG5	2702	1339	2831	2911	1801	2061
TMCC3	1767	2231	3417	2039	1346	854
PITHD1	1527	1101	2036	1864	1141	1320
MTA3	985	515	1057	910	585	1008
USP13	1188	570	964	1135	571	1009
ATP11B	13877	8081	17184	13918	8325	10393
LAMC2	0	0	0	0	0	0
CDK14	1415	992	1770	957	1114	855
SEC61A1	3596	3212	7562	3954	4828	2689
PPP1R12A	11422	6576	13793	11222	7116	8197
RASGRF1	23	8	38	16	18	18
CAMK2B	1	0	10	2	7	0
CROCC	1653	857	2288	1767	1003	957
POLR3E	3074	2241	4430	3920	2634	2381
ATP2B4	19910	11628	32631	28700	14472	16051
ZC3H11A	5031	804	3564	924	992	746
RIOK2	1126	501	1142	1132	557	969
YIPF1	783	487	1099	827	516	570
NDC1	1930	808	1892	1824	1074	1466
DGKG	1343	885	1909	1409	1289	1082
FLYWCH1	2893	713	3683	2676	923	2824
UNKL	1611	1235	2375	1610	1441	1141
TBXAS1	5325	5137	8889	5028	5654	4056
PARP12	4442	2757	6604	5451	3802	3827
ALDH18A1	1379	674	1597	1628	789	1015
TARBP1	5249	2390	4858	4190	3128	3733
GATB	723	324	861	634	427	605
MXD1	1228	2090	2843	883	743	547
CDK17	7670	4852	9726	8910	5300	5795
DNAJC25	203	274	339	247	154	203
SLC2A3	7588	9690	19158	11145	9300	6563
PSD	97	53	108	80	32	44
CTDP1	2602	1674	3207	2862	1493	1658
YBX3	2972	2098	3867	3830	2528	2484
STYK1	58	37	162	196	65	69
WNK1	14444	10095	19447	15042	9888	11513
CCAR1	4321	2338	4911	3964	2507	3151

OGFR	3157	2171	5012	2872	2359	2182
GNA15	793	624	1261	811	1001	560
CREB3L3	2	2	0	0	0	0
PIGV	518	317	584	515	374	551
PTPRU	19	15	19	15	2	4
SNRNP40	1964	925	2052	1675	1052	1141
RIMBP2	17	19	36	0	4	22
COL11A1	0	0	0	0	0	0
QSER1	2777	1569	4079	2468	1919	2601
MPC1	516	371	693	559	499	418
ACAA1	2525	1600	3309	2483	1741	1922
BCAT1	1380	577	703	874	770	1045
HDAC7	4834	3317	6288	4822	2952	4282
LZTS1	7	12	22	17	4	61
PRDM6	3	4	0	0	0	0
WNT8A	0	0	2	0	0	0
SPAG4	23	49	69	67	34	13
NCKAP1	1042	624	2509	1118	1320	811
MRPS35	1597	794	1753	1656	953	1126
GUCY1B1	791	1069	1328	774	1919	553
SFSWAP	3773	2112	4723	3571	2325	2571
TNK2	6359	3581	8365	6492	4810	4785
MON2	10650	6083	12665	14327	6328	8907
CDH3	5	0	9	12	7	4
ARSF	0	0	0	0	0	0
GPBP1	8807	5886	11004	7999	5620	6071
DGAT2	636	2228	1784	447	454	298
ZNF112	50	16	44	42	18	26
CS	4850	3088	6295	5161	3703	3838
LTK	403	426	407	568	427	697
MRPS24	405	237	733	369	208	382
ELMO2	3672	1963	3602	4082	1991	2064
WAPL	9132	5282	10975	8119	5538	7029
VMP1	21527	10810	17359	11540	10446	10907
APPBP2	3994	2014	3960	3731	2231	3078
POLD1	993	519	1203	1104	670	810
SEZ6	8	4	15	7	10	5
EIF4B	31170	16380	16212	13666	20213	13234
SLC6A16	567	265	838	503	385	511
BICRA	1066	561	1337	1017	585	689
SPHK2	930	515	1231	894	929	606
RPL18	18160	11042	20396	17440	13187	14158
CA11	121	49	121	101	43	110
ISOC2	246	123	241	196	157	173
U2AF2	3825	2250	5203	3820	2344	2632
EPN1	4448	2227	4734	3724	3043	3088
MED29	1897	1174	2572	1722	1514	1310
AHRR	13	17	35	39	22	17
GSC2	0	0	0	0	0	0
ZNF275	2090	1148	2729	2084	1104	1585
MTMR1	4285	2359	4186	4185	2527	3010
GPC1	36	47	43	53	29	35
ADCK1	457	260	512	513	363	331
HAGH	1228	546	1354	1112	626	663
RNF4	2276	2732	4386	4395	2772	1739
CASP8	6976	4725	9814	6679	4698	6842
LIMCH1	59	14	11	26	26	16
INTS13	900	441	960	863	676	778

TM7SF3	1938	1076	2569	1957	1867	1600
DLX3	0	0	0	0	0	0
SPA17	31	12	26	20	16	13
TSPAN32	4119	2488	6070	4570	3037	2999
WISP2	2	0	0	0	0	0
DMRT3	0	0	0	0	0	0
ST3GAL6	764	627	811	355	706	861
ATP2C2	8	9	12	9	6	16
NGFR	13	7	56	24	8	19
CDON	117	44	176	107	77	143
TAF2	3622	1735	4244	3367	2263	2579
HIPK2	12796	7920	15863	14361	10334	10099
TNPO3	4606	2560	5730	4811	3080	3555
BORCS8-M	80	126	184	67	57	47
RFXANK	411	257	449	413	233	286
TMEM161A	298	137	327	240	223	216
LPAR2	1546	1367	2519	1334	896	1108
CTSA	3544	2939	4549	3601	5321	3017
SUGP2	7296	4171	9924	7739	5876	4686
SLC12A2	1955	1075	2447	1889	996	1415
SNX24	556	163	389	315	362	329
EYA2	12	10	9	5	4	6
CNN2	4083	3124	5155	3786	2673	3435
ABCA7	7761	4830	9915	6591	4405	4960
SNCAIP	0	0	11	25	0	5
DDX20	818	524	1053	898	445	612
BTBD1	3470	1680	4286	3280	2385	2405
FAR2	879	846	1566	654	847	792
BCAS1	11	12	23	16	4	16
POU1F1	0	0	4	0	0	2
CHI3L2	756	291	515	408	248	299
SBNO2	4531	4382	8005	3831	2686	3009
PMS1	2041	912	2079	1403	943	1354
HMG20B	597	462	1014	606	559	474
CALCRL	334	101	285	261	220	210
TAF11	1263	951	1961	1442	986	992
ANKS1A	1979	1314	2426	1762	1401	1647
AP3D1	4089	2506	4827	4095	2644	2781
ZNF76	1893	913	2144	1583	1182	1461
SLC9A3R2	77	21	49	69	39	41
NTHL1	167	69	138	81	68	69
UHRF1BP1	4189	2303	4814	3563	3228	3564
GNAI3	11176	9201	12242	10116	5355	8023
IPO5	4864	2544	5037	5162	3425	3611
OAT	1319	909	1856	1345	848	1122
WDR3	1937	827	1864	1648	890	1436
PKN2	6678	4874	7483	5681	3856	4522
WDR18	207	147	401	275	237	217
TRAM2	3182	1426	3178	2484	1503	1442
NTN1	7	10	20	18	23	12
GLP2R	2	0	0	0	0	0
MCM10	33	11	81	55	18	20
DGKA	9821	5139	12147	8764	5874	8320
ERBB3	48	7	37	40	8	54
ROPN1	0	0	0	0	0	0
ANKRD44	37034	21239	40065	36115	20986	25223
KARS	3465	2025	4040	4115	2712	2929
ADAT1	1955	1064	2280	1728	1535	1783

PDIA5	268	132	248	206	151	171
TBC1D22B	873	516	1102	852	539	699
NDUFB4	802	499	1236	936	697	678
SPEN	12674	8443	15940	11982	8409	9151
MYLK	657	870	1291	893	2043	676
ZC3H15	1743	1119	2316	2309	1259	1389
MAP2K4	2743	1825	2971	2565	1457	1591
TMEM206	794	449	1135	977	743	784
SNAP91	0	0	0	0	0	0
SLK	5801	3713	6078	6543	3352	4627
CYB5R4	5447	3530	6749	4869	4033	4215
COL17A1	28	14	42	6	20	31
GSTO2	57	21	34	51	42	14
SEC61A2	419	463	709	556	394	393
PRKCQ	4005	2251	4654	4725	2346	2993
TLE2	306	144	298	245	140	159
ASB1	2438	1235	527	2911	1504	1958
FAM107B	14422	6623	14214	13631	7700	9435
ME1	191	142	140	174	161	279
TBC1D1	5758	4002	6854	5520	3777	4067
CDK13	12909	6811	13907	11612	7592	9355
MTHFD2	2116	889	1734	2270	1209	1839
SLC9A7	2707	1389	2407	2130	1629	1362
FOXJ2	2672	1846	3550	2812	1835	2212
YBX1	4265	2435	4274	3900	2679	2830
PDE4A	634	317	1035	727	562	339
PPP2R5A	6760	4001	9588	6929	5232	4597
CTNNA2	4	10	5	11	0	6
ELAVL1	3973	1765	4395	3678	2476	2451
TIE1	34	22	41	59	31	29
DIP2B	8687	6263	11608	7803	5431	5994
SMARCD1	1222	783	1747	1490	781	902
KDM4A	4006	2027	4659	4112	2644	2856
NFYC	2259	1244	2384	1664	1076	1531
ZMYND12	30	31	27	12	34	26
SLC9A3	428	200	476	434	247	332
NGEF	0	0	0	1	0	0
ASPM	332	149	339	218	260	226
CD84	9817	4553	15066	9595	7163	6840
ELOVL1	876	511	1147	1008	735	665
SPI1	3404	3731	6247	2871	2798	2309
ZNRD1	484	294	502	438	284	317
MPPED2	50	54	83	59	49	22
CLDN18	0	0	7	0	0	0
ZBTB11	6862	4644	8978	7105	4713	4976
ATXN3	3918	2016	4387	3793	2643	3034
GOLGA5	1220	622	1287	1109	652	845
FGFR2	74	37	147	216	88	56
LRRC40	1294	719	1625	1405	893	1077
ISOC1	543	393	840	778	278	517
EML1	0	0	0	0	0	0
TRMT11	1082	443	1030	971	522	835
THUMPD1	4940	3198	6824	6327	3464	4302
MSANTD3	397	239	491	487	422	263
KIF26A	4	12	24	22	4	6
ATG2B	8794	4700	9900	8465	5482	6621
ARFGEF1	14196	7970	16420	14580	8777	10941
ACSM2B	0	0	0	0	0	0

ZFAT	1617	996	2239	2265	1626	1179
MTFR1	634	256	631	685	382	443
STAG3	957	167	1112	1029	567	584
FECH	1023	339	1235	1096	714	992
MYO9A	5437	2572	6854	5485	3146	4263
DDX3Y	8192	0	12758	11296	6652	0
PFKP	1655	933	2874	2462	1417	1772
IDI1	1489	1383	2350	2201	2007	1379
SP100	13977	7667	17631	11812	7892	9093
KLF6	3864	7424	9867	6560	4247	4159
PLPP1	253	134	233	201	142	139
NEO1	671	497	516	847	446	544
TRAM1	8388	4186	9429	8134	6510	6906
PHKA1	10	12	3	0	13	4
TNFRSF1A	3464	2505	3772	3326	1901	2567
CACNB1	421	277	696	661	424	432
EVI5	3155	1473	2929	2415	1964	2239
STOML1	247	126	235	212	110	173
PKM	13589	5977	15565	14310	14940	10756
DHX29	1912	1018	2282	1971	1280	1648
DNTTIP2	1932	1427	2613	1213	1491	1488
METTL22	887	1026	2098	1496	584	1274
TP53BP1	3488	1982	4177	3398	2082	2500
TRO	13	16	58	49	14	19
RRP15	1513	622	1150	1292	737	1008
RHOA	19896	13404	26129	19133	20496	16882
DHX8	4979	3317	6849	5389	3714	3815
PRKCZ	666	514	988	756	466	526
ZFY	602	0	726	663	925	0
IARS2	4093	1983	4868	4527	2696	3157
SYT1	32	1	15	5	53	16
NAV3	4	32	18	8	2	0
IDH3G	938	493	1153	807	761	672
ROGDI	497	195	582	303	253	385
PDZD4	483	815	1150	2458	846	758
ATP2B3	0	0	0	0	0	2
ROCK1	15082	9275	18673	15524	9618	11479
CBFB	3609	2043	4292	3529	2272	2813
PDK3	3477	2047	3781	3251	2363	2805
HYAL2	279	160	274	177	170	173
HDAC4	6162	3681	7366	6178	3809	4337
RASSF1	3183	2069	5661	4224	2276	2722
FGFR3	2	2	0	0	0	0
IFI35	823	382	1066	869	507	565
HEATR6	1560	562	1529	1372	840	1173
COASY	1258	581	1508	1308	753	851
PLEKHH3	4	4	17	24	19	8
MEF2A	3874	2140	3269	2578	2149	4454
OTUD5	2079	1891	3032	2395	1595	1897
TFE3	2000	2050	3187	2080	1753	1629
TBC1D25	1369	910	1894	535	1012	285
ACSL4	3227	3593	7806	5709	4939	4619
INPP5A	1382	1019	1770	1287	1114	944
GPKOW	427	270	553	445	306	378
GRIPAP1	2934	2088	3904	2788	2323	2330
FTSJ1	803	460	1118	855	599	602
PRR11	274	136	295	276	191	235
REEP1	4	0	9	5	24	9

ATP11A	7024	4157	11345	8089	7735	4542
POLR1A	4463	2179	4846	2406	2709	3199
LAPTM4A	3686	2306	5319	4149	3146	2937
TTC7A	3603	3034	6186	3798	2962	2747
IP6K2	2018	1534	2767	2150	1366	1573
STON1-GT	1	20	16	21	28	9
SRBD1	2086	1081	2125	1811	1190	1389
KIF2A	8550	5438	10947	8218	12402	7114
RASGRP2	11872	7508	14462	10748	7226	8247
PSME4	10003	6601	14721	12869	8100	8056
IFT80	1870	1088	2153	1950	1007	1626
SIRT2	1607	1423	2482	1914	1458	1131
ERLEC1	2004	1036	2357	2054	1312	1679
PPP2R5B	622	360	1077	806	639	516
PYGM	445	348	514	440	205	287
PAGE1	0	0	0	0	0	0
PITX1	0	0	10	0	0	4
TRPC7	0	0	0	0	0	0
MAST4	2133	1341	2589	1611	1679	1489
ADGRF5	0	0	0	0	2	0
SDK2	415	556	490	530	225	462
ADAM7	0	0	0	0	0	0
NUP133	4653	2156	5230	4839	2874	3394
NUCKS1	12306	5330	11648	11670	7003	8711
VPS35	8192	4287	8691	7644	5713	6103
DNAJA2	3741	2622	5376	4174	2993	3174
BCL3	563	1421	2092	783	739	428
KCNAB2	8833	5707	14939	11769	7446	7436
ABCC9	0	0	0	0	0	0
GAL	0	0	0	0	0	0
CLEC2D	7301	3848	22158	7412	3733	15161
FUNDC1	144	80	173	102	71	119
MAOB	44	50	26	10	247	7
RORA	7645	11764	28918	29968	15152	20309
DRD4	43	13	24	17	8	17
TGFBR3	7006	3379	9477	11147	5424	4135
PLA2G10	0	3	0	0	3	0
HES2	0	0	0	0	0	0
ATP1B3	2458	1238	3041	2735	2590	1651
NEDD4	834	511	1380	1137	659	695
PIGB	1475	1033	1890	1264	970	989
MAPK6	2093	1775	3912	2447	2186	1765
GNB5	2471	1415	3083	2131	3107	1790
RAB27A	5775	3161	7504	6422	3216	5428
HDHD5	1119	453	1380	1317	809	669
UFD1	2578	1960	3877	2768	1713	1849
LRP6	570	230	472	505	196	657
GUCY2C	3	4	1	8	4	3
SCT	2	5	6	10	7	5
PHRF1	4005	2201	4849	3715	2314	2698
ELP1	4435	2280	5057	4703	2489	3417
NUCB2	3315	1667	2893	2543	1226	1964
PFN2	203	89	130	165	102	161
PTPN3	15	0	31	8	4	4
SPTB	530	570	857	516	1455	468
DAPP1	4963	3492	6818	3761	8375	3920
FGF10	0	0	0	0	0	0
SLC44A1	3752	2178	4452	3234	3296	3027

TMEM260	1669	905	1631	1424	954	1561
SMG6	3497	1966	4880	3681	2699	2827
EXOC5	3916	1890	4169	4034	2323	2905
CLTCL1	593	343	1022	621	576	705
FGF22	3	16	3	15	3	4
FSTL3	95	6	64	84	70	112
DGCR2	3724	2721	5645	3828	2662	2748
RNF126	1627	940	2093	1572	1002	1055
MNT	2741	2717	4568	3167	2478	2139
ZXDC	4435	3182	7010	5437	3460	3469
JMJD6	1221	1277	2607	2074	1012	1050
POLB	1162	943	1743	1178	875	888
ST6GALNA	64	35	39	34	21	44
WIPI1	655	369	910	823	538	610
FRMPD1	4	3	0	2	0	2
GBA2	2524	1694	3642	2837	1889	2043
NDST1	2266	2340	5236	1490	2994	2124
ASNS	1275	544	1257	1133	708	1134
AP3M2	1221	1182	1877	1391	1025	1240
CNGB1	0	0	0	0	0	0
ST6GALNA	206	361	406	192	163	125
CHAT	0	0	0	0	0	0
PABPC1	41572	23858	42362	38022	28332	34282
TESK2	710	542	827	676	487	409
CFAP20	465	336	669	466	301	331
CSNK2A2	4717	2735	5947	5241	3369	4138
PTPN21	9	0	8	5	5	0
EIF2B3	904	385	1068	830	543	622
CAMK2A	0	0	5	5	7	0
TCOF1	2674	1602	3212	2403	1596	2011
CDC42	3927	3937	9585	6048	4424	3502
OSBPL3	3420	2206	4997	4532	2424	3606
EPHA8	0	0	0	0	0	0
SLC12A3	17	22	36	89	114	29
RAD18	1335	598	1618	1339	619	1007
ATP2B1	15804	10406	18931	17140	12205	11074
TRPM5	16	5	8	29	5	5
NCK2	2547	1640	2925	1196	2446	1700
MAP4K4	9353	7750	12663	9481	6906	7990
MGAT4A	7227	10537	20770	21323	11195	5766
RPL31	6568	4072	6645	6159	3565	5449
WDR1	14385	7019	18710	9829	12198	10790
SNX13	8501	4560	10132	8080	5521	6642
MS4A12	0	0	0	0	0	0
ARHGAP1(	1956	952	2868	2485	1578	1498
RPS6KA2	682	281	641	529	367	350
ING3	1210	1157	2000	1506	907	1115
VASH1	2311	1673	2780	3557	3424	922
LMCD1	41	13	33	9	14	30
BUD23	1351	1162	2386	1909	1290	1098
SEL1L	10463	6436	12284	11023	6843	7934
TRIP13	33	29	27	19	28	29
ATP6AP1	2987	1800	3699	2931	2177	1607
TCF3	1986	1052	1491	1155	1101	1311
TRIB2	6268	3215	7340	5296	3609	4392
DAZAP1	5471	3091	8195	5858	3747	4346
MBD3	1792	980	2347	1860	1294	1306
PRLH	0	0	0	0	0	0

HLTF	1205	628	1574	1177	771	929
FAM50A	676	401	941	742	510	527
FAM3A	707	369	557	506	341	325
CPSF1	2800	1375	3498	5342	2632	1925
MYO3B	141	84	538	195	86	197
CYBRD1	1817	1246	2161	2494	2029	1470
CDH19	0	0	0	0	0	0
PDCD2	1709	897	1451	1256	858	1197
SLC6A15	2	0	0	0	6	0
RDH11	2399	1622	2889	2542	1946	2057
PRKACA	2369	1713	3182	2037	1524	1982
ADGRL1	1166	872	1796	1868	576	871
SPP2	0	0	0	0	0	0
ACTN1	7397	8078	10306	6105	9540	4893
ZFYVE26	5974	3146	7482	6253	4229	4486
RPS6KA6	24	3	9	37	12	7
EPN2	376	294	710	502	312	231
PTPN18	5328	3000	6821	5376	5251	5651
LIMS2	84	68	64	61	71	93
ASIC4	4	2	11	6	8	7
SPEG	242	141	227	234	186	204
LNX1	5	2	10	5	3	4
ALDH3A2	1347	637	2295	1277	1391	1279
TFRC	4601	3250	6398	5097	4547	3962
SREBF1	2117	1449	4006	2075	1411	1521
TRPC5	3	0	8	0	0	0
AFF4	12867	7324	15029	11797	7983	9114
UBE2D1	1555	1489	2693	2088	999	1705
MPP5	1111	703	1238	1160	868	950
RHOBTB1	473	536	1417	703	1557	435
SMC1A	7648	5120	8861	7549	4665	7634
HSD17B10	728	344	762	828	499	521
MARK2	3345	2334	4420	3469	1871	2402
HMMR	83	32	55	47	25	35
CHFR	5074	2654	7039	5293	3327	3747
TRHDE	10	17	25	53	190	16
P4HA2	29	28	30	25	41	22
FCGR2B	1582	883	1969	977	1441	1417
NFATC3	12478	7231	15199	13237	7095	9614
TRNT1	1935	938	2221	1574	981	1226
ACADVL	3780	2708	4356	3939	2971	2970
STK10	20960	12652	28810	21358	12806	14297
FBXW11	3813	2082	4381	4136	2761	2775
ACAP1	9593	5292	12672	10628	5504	8064
CRMP1	2	7	6	8	10	4
EVC	311	74	349	96	142	121
DERL2	2017	1230	2430	2034	1445	1558
SIDT1	4416	2343	5060	5029	2782	3156
NDE1	3324	2902	2354	3096	761	2290
MRVI1	738	984	1080	650	660	339
TMEM38A	140	87	201	116	129	142
AP1M1	4545	1281	3964	2449	1563	1456
PVR	413	394	416	453	323	457
XRCC1	651	420	895	756	446	612
SCARB1	732	526	1215	662	1209	664
CYP2W1	0	3	2	13	2	0
MCM2	488	307	649	573	348	377
MOV10L1	0	6	18	0	17	10

PANX2	68	152	162	31	41	30
SELENOO	1079	705	1692	1063	935	862
TP63	61	41	61	48	53	48
ALPK1	3376	3846	4565	2274	1595	2068
LLGL2	1712	1105	3220	2696	1456	1459
PDE8A	1901	1379	2324	2138	1559	1768
CLCN4	585	487	790	493	801	260
NLE1	650	319	414	684	362	323
SDHA	3633	2278	5062	4249	2843	3071
SMARCE1	2414	1364	3052	2548	1626	1927
FNDC8	5	0	2	7	0	0
GSDMB	1156	510	2075	2116	633	1155
KDM5A	22206	11296	23270	21500	12546	15573
ADAM11	33	17	39	17	11	11
PPP2R3A	101	45	129	97	50	69
FERMT2	6	14	25	10	12	17
ABCB11	4	8	0	12	0	0
DHRS9	358	210	374	266	109	177
CD5L	3	0	0	0	0	6
PTGS2	3275	13957	12724	2147	1553	690
IGF2BP2	616	381	677	496	730	367
MAP3K13	335	54	482	162	100	286
ST6GAL1	5262	3726	15241	12817	3753	4838
TBX21	3498	1867	5727	4304	1564	2447
FRY	5703	5312	11041	6241	5026	4647
PICALM	17972	12884	24536	16452	11597	13368
NSF	4237	1796	3729	2901	2158	2399
GLI2	0	0	0	0	0	0
CLASP1	7091	5581	11486	10058	6134	6606
MRPS34	366	188	476	447	210	286
NOTCH3	51	32	25	17	58	32
CLNS1A	2679	1597	3355	2748	1890	2400
PPP2R2C	5	0	0	3	5	0
TEAD2	46	13	40	37	39	42
EED	1899	1123	2693	1914	1554	1739
CDHR2	61	31	39	50	31	46
SNCB	0	0	0	0	0	0
TSG101	1663	1063	1958	1670	1064	1411
NCBP3	5349	1856	5848	5772	3288	4292
ATP2A3	13433	9325	18584	14714	13217	9923
CA12	0	0	8	0	0	0
MGLL	1249	1204	1452	697	2811	865
NTN4	31	82	93	33	94	70
BCS1L	471	244	425	348	216	364
NUAK1	28	95	410	308	96	35
DPP8	8317	4277	10058	8139	5188	6776
SLC24A1	414	305	563	442	267	394
ZNF532	1405	765	1604	1031	1019	680
SCARF1	501	720	875	489	475	375
LMAN1	4592	2593	4742	4592	3309	3267
HACD3	609	698	1460	1205	660	918
IPCEF1	8544	4358	8985	8553	4716	6351
ZZEF1	16089	9657	21206	17611	12264	12228
NOX3	0	0	0	0	0	0
ENO1	13890	7458	18197	14812	10086	10267
SLC12A1	0	2	2	0	0	0
MYDGF	519	360	794	633	464	409
ANO8	1326	643	1731	1169	637	825

TUBE1	894	470	855	715	434	832
ARHGEF10	2130	883	2940	1971	1463	1622
TXK	6835	3166	5631	6128	2481	4227
WSCD2	29	10	32	4	12	3
KCNQ2	0	1	6	3	0	3
TACR2	22	0	11	6	0	0
ACTR6	1018	460	1010	1005	569	813
TIPIN	179	81	143	129	73	140
SRI	1390	709	2039	1542	892	1167
EIF4G3	5390	3607	8671	5618	4531	4210
NUP37	645	278	577	550	287	441
SEMA3A	57	28	85	82	19	30
GTSE1	57	21	121	56	40	24
SEMA3C	479	400	841	653	364	574
TTC38	2010	1002	3785	3432	1509	1274
ACAT1	591	246	689	591	353	462
GRAMD4	2716	1541	2753	2466	1883	1598
CELSR1	747	350	605	488	543	360
WNT8B	24	3	16	4	0	0
ZNF638	11740	6444	13551	9727	6135	8784
SLC25A40	2403	1165	2790	2213	1507	2209
TIMM21	443	156	392	301	123	337
ADD2	1207	141	974	654	494	154
FGF4	0	0	0	0	0	0
RASAL2	63	70	66	69	75	31
VPS9D1	1228	747	1718	1182	804	752
ZNF37A	3755	1644	2963	2848	1763	2679
MARK3	7489	4701	10062	7703	5489	5740
SLC25A3	8797	5437	12504	10763	8001	5982
FNDC3B	7442	6448	10962	8439	5037	5126
FOSL2	11812	8392	16456	15168	6343	5014
CACNG5	0	0	0	0	0	0
CACNG4	0	0	6	2	0	0
FRYL	18156	9584	21358	19615	11347	13804
TMEM131	10019	5145	11187	9238	5867	7352
FSCN1	157	163	234	109	151	166
ACTB	114435	69802	128913	117881	80026	78898
MOCOS	12	10	10	10	6	6
PLD1	1118	547	1679	1178	879	1204
ATP12A	0	0	0	0	0	0
WDR62	165	82	141	183	167	123
DLG1	5698	2798	6477	5342	3670	3739
RAB7A	5291	3037	7216	5059	3481	3901
BCAP29	1724	814	2049	891	1192	1353
SEC31B	4398	1423	3737	3162	2089	2189
SART3	3133	2097	4433	3575	2176	2458
ARHGAP15	10345	6543	12564	9830	5684	7221
TUBA3D	2	0	2	0	0	3
PAX2	0	3	0	0	0	0
EXOSC7	934	555	1198	1058	719	680
KIFAP3	2375	1093	3174	2936	1829	1574
MKRN2	1419	1039	2191	1422	1229	571
MCM6	1430	786	2091	1419	1120	1202
REXO2	975	427	918	932	437	829
RBM7	2084	1592	3414	2264	1973	1518
RBMS2	1163	396	1683	1527	888	551
BAZ2A	11078	8820	17197	12981	9654	9510
PTPN23	2303	1229	2751	2257	1415	1486

MLH1	1567	840	2145	1905	1153	1173
UNG	501	240	612	626	272	381
FMO4	291	105	335	284	132	175
KLHL20	1436	742	1611	1472	897	1035
RGS11	5	0	0	0	0	0
SLC46A1	517	243	510	379	314	313
PLXNA2	471	229	724	400	372	404
SPAG5	323	233	378	322	274	214
ANKRD13A	7228	5961	9724	6838	5509	5226
TPD52	2409	1014	2368	1732	1162	1201
ACACB	1527	663	1592	1524	707	977
TRAF4	255	311	433	450	451	217
PAG1	20316	10694	18219	17516	10140	16551
GPATCH1	986	501	1275	1077	590	668
ICAM3	4699	4790	7733	4028	3992	3524
NT5C2	5372	4371	7002	4681	3797	3674
MCAM	5	17	25	32	11	22
GPC4	66	16	41	44	31	30
MBNL3	7458	3583	7883	7186	5245	5922
CAMSAP3	45	0	12	4	26	3
RAP1GAP	7	9	23	10	11	41
XAB2	2293	1637	3548	2801	1782	1811
ARHGEF1	21787	15109	29873	23533	15750	15672
STXBP2	4323	3471	6811	4315	3884	2924
MAP2K7	1521	1172	2295	1766	1116	1072
NMRK2	0	0	0	0	0	0
DGKD	14125	7547	16275	13174	9889	8422
CTTNBP2	41	4	24	20	102	23
ACTL6B	0	0	0	0	0	0
RARB	0	0	5	2	0	2
TOP2B	13199	6570	14452	13447	7119	10024
TM9SF3	11284	5777	12889	12274	7418	9147
NFKB2	3389	4632	6887	3581	2833	2528
UBE2T	27	5	24	19	21	31
PPP1R12B	2033	1440	3011	3709	3081	3006
DNAJC10	9453	4298	9564	8178	5557	7140
GTF3C1	5500	3093	7320	6736	3613	3932
IL4R	4017	3369	3015	3079	1043	1401
USP33	7261	3967	8140	7338	4672	5346
PAK3	19	21	43	15	10	51
CAPN6	0	0	0	0	0	0
DCX	0	0	0	0	0	0
SNRPA	919	495	882	583	612	614
SPAG6	3	2	5	9	6	8
EXOSC5	222	117	233	229	162	161
DYNC1I2	2414	1150	2414	2267	1389	1918
APBB1IP	7264	4679	8903	6268	3571	4958
LRCH4	5600	3907	7638	5003	3408	4214
FAM76B	2107	1496	2879	2211	1410	1555
SIRT6	370	293	634	439	340	250
TYR	0	0	0	0	0	0
POLD3	1097	598	1517	1088	696	863
ACTN2	0	0	2	1	0	0
CAPZB	8685	5303	10832	8712	6830	6163
GPR137B	869	468	1016	938	709	578
NAALAD2	25	0	10	17	18	16
JADE1	3006	2012	4002	3071	1685	2678
SLC25A43	419	371	249	631	475	409

UBE2A	1686	1661	2685	2442	1727	1816
FGFR1	459	179	598	417	193	381
FKBP6	0	6	4	0	0	0
SMC1B	4	0	8	13	2	3
FBLN1	0	0	0	0	9	0
ITGA8	9	0	3	0	0	6
CST7	1932	1104	3625	3266	1273	1281
MAP2	37	40	66	32	31	36
PIAS2	5701	2628	4499	4550	3214	3633
AMPH	16	2	9	22	0	9
ARAF	2676	1914	3701	3042	1939	1774
MCCC1	1255	606	1434	1131	798	1017
LAMP3	88	51	81	52	24	54
FAP	5	5	12	7	4	2
NEBL	29	8	8	0	9	16
ACER3	2510	1079	3373	3174	2081	1898
UBE2K	3044	670	2428	2786	4070	2138
PIK3C3	4746	2664	5469	4634	3098	3583
N4BP2	4165	2562	4159	3784	2464	3006
TIGAR	1001	483	1277	917	582	769
TULP3	270	136	283	256	150	224
SYNJ2	2086	1106	2344	2422	1371	1555
ADCY2	0	0	2	0	0	0
PPP2R5C	13922	8184	15913	20690	12190	10329
RBFOX1	0	0	0	0	0	0
GNB1	12951	8115	17444	14034	9801	10690
HOXA9	24	10	18	12	10	6
EDN1	41	68	53	44	25	56
MLLT10	4093	2119	5195	4252	2820	3134
ZCWPW1	274	160	260	234	171	225
ADCYAP1R	0	0	0	0	0	0
FGF20	0	0	0	0	0	4
P2RY10	729	434	961	741	520	617
ITM2A	1750	786	1243	1398	972	1230
NRDC	8463	5675	10439	7965	6423	6162
VDAC3	2659	1683	4251	2860	2636	2053
PCM1	14180	7547	17973	15427	8015	10630
TNRC6C	6434	3588	7378	7041	3367	4818
CBFA2T2	1657	799	1987	1706	1219	1409
BRINP1	0	0	0	0	0	0
ITCH	7518	4372	8194	7700	5053	5697
PKD2L2	5	0	6	0	4	0
TP53INP2	269	1062	1161	413	303	127
SDF4	2454	1582	3333	2442	1449	1654
MYH7B	59	21	48	25	10	30
BPIFB2	0	0	0	0	0	0
TP73	18	23	26	12	32	10
TOLLIP	2853	1689	3785	982	2319	1984
UBE2D4	670	36	790	706	64	94
CLUL1	0	0	0	5	0	8
RUNX1T1	0	0	0	0	8	0
CDH17	3	0	0	8	5	8
THOC1	3147	1829	4009	3325	2272	2558
FKBP7	26	26	20	11	14	6
OSBPL6	36	10	19	15	31	21
SLC1A3	64	41	60	37	51	85
XRCC5	11491	6200	12381	13280	8236	10425
LXN	140	127	152	129	60	153

SP140	3480	1722	4236	2768	2241	2450
MKNK1	2928	1847	3262	2287	1909	2313
TNS1	758	591	1488	1094	691	681
REXO1	2426	1579	3678	2382	1559	1637
SAR1A	6147	4149	9430	8456	4667	5146
CDC14A	5242	3859	4508	4453	3036	4944
RAPGEF3	71	12	47	31	20	17
CEACAM1	182	344	205	199	96	302
SENP1	1908	1262	2840	2227	1557	1891
DUSP13	2	10	9	0	0	0
CIC	4920	3877	7395	5025	3873	3754
LIPE	191	108	289	202	112	194
FDFT1	2668	1352	3852	2631	2112	2093
PAFAH1B3	234	138	234	257	137	148
OPHN1	366	232	471	456	569	354
AFM	0	0	0	0	0	0
KIF22	1198	759	1752	1371	794	1061
SCGN	0	0	0	0	0	0
CARMIL1	904	591	974	678	668	520
PGM1	886	580	1325	962	524	685
DDX1	2750	1306	2827	2585	1270	1877
DNM2	12747	8519	18500	12438	9293	9083
EPB41L2	789	428	1277	711	424	612
RIMS1	0	0	0	0	0	0
MOXD1	71	14	32	30	10	24
STX7	23032	11035	19766	15893	12410	14258
RABL2B	1114	740	1200	1242	598	841
KEAP1	752	456	1251	765	564	580
DDX43	5	16	128	74	88	99
PTPRH	12	6	0	6	13	10
DCT	60	29	30	15	35	24
SLC35C2	3115	1864	3855	2982	2004	2400
CRYBG3	3568	1688	4702	3428	2608	3380
EPHA6	0	0	0	0	0	0
SCTR	0	0	0	0	0	0
RFX3	3881	2177	4120	3220	2636	3083
RIF1	13788	6639	14885	12881	7810	10680
RAB21	7077	3989	6832	6209	4379	5068
SLC4A4	551	293	834	1062	305	521
SMARCA2	18125	10477	21188	10849	10534	13197
RDH8	0	0	0	0	0	0
SESN1	2771	1701	2791	2736	1335	2320
MID2	290	141	350	322	143	212
PIH1D3	0	0	0	0	0	0
COL5A3	286	328	178	138	82	507
SRCAP	10363	6982	12049	10680	6602	8328
PUM3	1734	812	1688	1514	933	1195
CPB2	0	0	0	3	3	0
CHRNA3	1	0	0	0	0	0
KCNN2	0	0	0	0	0	0
CNOT4	3191	1884	4078	3482	2083	2184
PSEN1	6714	5429	10711	7252	5851	6267
CPOX	1052	590	1195	1079	640	966
CLDND1	2611	2269	4914	3322	2718	3596
MOK	111	103	81	106	34	51
HSP90AA1	9869	11200	26702	17775	10348	7184
RBL1	2218	1212	2730	2382	1299	1855
DLGAP4	1661	735	1698	1465	724	579

IGSF9B	564	289	607	569	429	463
CFHR2	0	0	0	0	0	0
NDC80	249	115	328	216	173	193
AP4E1	2393	1520	3006	2598	1457	2714
RSBN1	4360	2921	5973	5155	2826	3668
MAGI3	342	183	379	363	163	392
CXCL2	63	111	557	120	76	25
AFP	0	0	0	0	0	0
COL4A4	440	278	445	201	578	336
TCF7	14178	6038	10187	9955	3763	7657
OSTM1	3457	1695	3897	3521	2676	2556
CDH7	0	0	0	0	0	0
IMPG2	292	138	243	285	165	253
PCNP	1040	666	1757	1167	957	1040
EXD2	793	348	726	719	353	493
ARG2	85	61	138	108	228	82
MEF2C	5503	2108	4051	3134	3001	3149
PTPRC	111419	68176	137470	110363	65113	77126
CACNA1S	0	0	0	0	0	0
PKP1	0	0	0	0	0	3
UBA5	1967	940	2311	1916	1072	1516
STK17B	42515	24470	47240	45725	25013	30031
CDC14B	1309	672	2319	1407	2938	745
ZNF510	2494	905	2045	1998	935	1964
LRP2	0	0	0	0	0	0
ZNF506	4315	2507	5214	4376	2627	3749
JMJD4	563	269	573	564	263	889
DUSP12	345	175	397	376	129	208
AACS	955	582	1525	1472	737	711
DELE1	3615	2231	4743	4726	2753	2930
SLC13A1	0	0	0	0	0	0
CADPS2	0	0	0	0	0	0
PCDHB4	2	0	0	0	0	0
PCDHA6	0	0	0	0	0	0
PCDHGA2	10	7	2	4	1	4
HSPB11	1118	428	1209	1058	591	881
PHLPP1	770	595	1119	767	507	627
ATP8B1	36	19	67	25	9	16
IL12RB2	553	305	519	453	409	330
SMARCD3	953	434	1303	740	758	613
WDR70	2859	1346	3570	2956	1941	2266
FYB1	28582	16878	30635	22993	14523	21782
MPP4	8	2	7	12	6	3
STRADB	854	471	1175	822	593	1037
BZW1	10718	7676	7768	13950	8362	7997
PGR	0	2	0	0	0	0
C1QTNF3	400	166	378	341	263	302
ME2	6834	2502	5944	4397	3861	3640
C5orf22	1293	622	1130	1166	901	1098
CCNT2	4978	2798	6247	4842	3166	3917
FAM135A	1883	927	1769	1595	1323	1550
COL19A1	1822	649	1197	846	486	477
EPB41L3	2159	700	1909	1680	1886	1472
COBLL1	2716	1396	2499	1553	1871	1517
DLG3	686	302	290	312	121	522
KCNK2	0	0	0	0	0	0
SERTAD4	0	0	0	0	0	0
TRAF5	6647	3226	6689	5736	3500	5440

MRPL22	720	374	1128	904	625	717
GEMIN5	1900	879	1841	1813	1038	1401
OPRK1	0	0	0	0	4	0
NFE2L1	2353	1950	3142	3562	2802	2737
SEMA5B	0	4	7	0	9	4
GSK3B	7314	4367	8288	7067	4815	5928
ITGB5	888	927	1475	990	2494	436
ERC1	2429	1875	2542	2131	2163	2018
XPO1	14113	7603	15604	13840	8629	10811
RNF13	1834	1854	2655	1837	1318	2957
TRPM3	0	0	0	0	0	0
PALB2	911	495	918	756	456	671
DOP1A	6923	3064	7398	6177	4105	5056
LYRM2	1643	796	1742	1539	937	1003
BCKDHB	919	420	1095	1046	504	768
KAT6A	18380	13750	26343	20444	10709	13741
TUT7	9696	6057	11829	8043	5476	6321
ULK2	2783	1170	2497	2039	959	1692
GRHL2	4	6	7	3	0	0
TNPO1	11486	6550	12562	10221	7556	8839
PLOD1	1572	939	2390	1527	1019	1055
P2RX5	917	660	972	490	912	569
ITGAE	676	357	634	599	562	539
DIS3	5344	3232	6279	5138	3654	4371
PIBF1	1883	984	2096	1787	942	1354
TDRD3	2045	947	2214	1939	1268	1644
NUFIP1	373	177	410	372	216	273
PDS5B	8176	4329	9390	8080	5221	6365
OXCT1	1693	933	1907	1704	914	1480
RRAGB	756	270	764	488	427	525
EPYC	0	0	0	0	0	0
CYLD	20684	12653	25264	19855	12472	15996
SLC27A5	207	104	215	177	84	157
ZNF324	764	516	1151	928	492	691
ZNF671	537	414	676	653	353	507
ZNF416	295	116	199	249	137	207
ZNF586	1982	1388	2806	1828	1338	1352
ZNF446	549	237	603	606	303	332
ZNF264	725	1672	556	665	340	314
RPS5	7083	4123	6176	6950	4424	6692
FAT1	0	2	5	18	4	0
YTHDC1	7012	4691	8696	7602	3898	5625
CHMP2B	1450	644	1047	1667	883	1171
SMAP2	14712	13764	17865	12394	8721	9140
PPIE	2542	1419	1650	2676	1634	1001
ZMPSTE24	2571	1396	3215	2609	1936	1987
STARD7	7606	3474	7981	7591	4871	5417
NOA1	1434	770	1523	1389	968	1198
REST	7555	4589	8558	7463	4503	5370
HAL	966	1058	1316	580	792	725
SSH1	4985	2963	7169	5890	4162	3558
GSTP1	1955	1043	2448	2067	1452	1537
APLP2	14575	8266	21132	13587	11142	9648
FAM234B	527	325	722	731	437	421
SLCO1A2	0	0	2	2	0	2
WBP11	3002	2078	4220	3978	2384	2295
EIF3I	2290	1281	2504	2120	1520	1532
NKAIN1	0	0	0	0	0	0

COL16A1	0	0	7	4	3	0
TXLNA	3553	1958	4519	3527	2375	2772
APOB	5	0	0	0	0	0
NCOA1	8037	6603	10991	8378	4967	5042
AGBL5	415	272	615	392	319	296
EFR3B	5	2	6	10	0	13
KIF3C	265	263	296	353	443	194
RAB10	8675	4834	9253	7214	6558	5547
GCKR	2	0	0	0	0	0
HADHA	7392	4283	8674	7522	5518	5849
MAPRE3	174	120	219	129	94	95
CAD	3056	1391	3082	2998	1849	2100
CD59	2232	1050	3017	2037	1070	1621
CD82	1328	1194	2009	1063	1550	840
BCORL1	645	717	1193	812	729	772
ATRX	12769	6425	14062	11734	7058	9566
AK6	280	141	277	57	136	68
FCN1	31041	13184	39447	26602	23904	28341
MYNN	1588	1130	2016	1819	1103	1200
MECOM	5	15	8	5	20	0
SCAMP1	1160	729	1441	1261	889	2058
PREP	3203	1725	4395	3581	2040	2422
HACE1	1485	696	1668	1432	1021	1208
SEH1L	2513	1115	3152	2057	1873	1786
WDR47	1434	1145	1705	1562	1006	1037
WDFY1	4974	2719	6266	5407	3715	3929
OVGP1	303	158	272	269	228	269
SLC25A24	3306	1461	3456	3328	2045	2209
MAP3K4	5128	2721	6214	5465	3201	4012
PILRA	1828	1804	2794	1627	1448	1389
IGSF9	7	0	5	2	7	0
ABCB1	1517	1125	2394	2379	805	1757
ZNF213	346	244	444	290	275	323
AKR1B1	1390	729	1640	1731	976	1049
CPNE3	6090	3026	6553	6175	3693	4942
RRN3	3125	1524	3695	2852	1919	2207
CTTN	1489	1305	2529	1379	3085	466
WNT11	11	10	28	16	18	6
MTIF2	1139	497	864	992	501	838
DDHD2	3296	1861	4074	3161	1912	2682
TTC39A	4	14	23	16	22	8
EPS15	12662	6760	16445	13793	9684	10610
ORC1	74	21	119	76	87	56
MGST2	346	172	342	327	228	262
CHERP	1521	1114	1884	1398	895	1214
ATG16L1	3279	1501	3341	3126	2724	2767
USP40	1525	781	1939	1314	1016	1238
POMGNT1	1029	462	1203	1034	718	746
RAD54L	54	49	87	63	20	27
MAST2	885	519	1380	1093	893	829
DNAJA1	3076	3563	6302	3269	2404	2418
B4GALT1	8590	6316	12041	9022	7569	7064
CHMP5	1150	736	1317	908	660	844
NFX1	4454	2317	4983	4375	2789	3230
AQP6	0	0	0	0	5	0
DIMT1	957	485	1207	1122	641	873
IPO11	2098	1058	2179	2028	1218	1614
FOLH1	3	0	0	0	0	0

EIF2AK1	4634	3017	5916	4170	4613	4028
NME8	345	337	660	494	221	345
EPDR1	76	78	33	84	110	32
SNX10	4478	2967	2354	4119	2878	1320
SEPHS1	1409	621	1528	1173	783	969
MRPL28	409	284	611	488	223	293
HBQ1	0	5	12	3	10	7
ITPKC	566	549	1022	680	449	547
CEACAM6	80	31	222	21	125	169
FAT2	18	0	12	15	16	4
RBM22	2700	2220	4315	3104	2025	2069
TMED2	2674	1539	3247	2981	1834	2220
ERO1B	2224	1309	2250	2145	1479	1677
ZFAND6	3133	2457	4457	3548	2911	2289
HSD17B2	0	0	0	0	0	2
TXLNG	1707	1268	1678	1548	966	1765
PPEF1	33	12	34	25	11	31
LAT2	2030	1368	2626	2565	2006	2015
HUWE1	26389	13944	31550	28252	17905	19777
ZW10	945	432	969	880	554	638
ALG9	1380	632	1581	1415	831	1034
MYBPC2	10	31	33	19	47	10
NOX4	0	0	0	0	0	0
ACOX3	1027	551	1202	1032	707	743
MTMR2	1674	765	1848	1355	992	1326
PPP1R15A	1879	5952	11987	4755	3676	1745
HSD17B14	8	4	11	3	0	18
TRIP6	278	190	276	232	279	192
ACHE	0	0	0	0	3	3
FTL	18432	11497	22942	17260	15052	12954
SRRT	2382	1477	3138	2498	1644	2038
BAX	1019	451	1329	871	662	584
NLK	2588	1567	3250	2725	2443	2086
PIGS	2142	1376	3146	2448	1549	1788
ADAMTS2	18	2	14	0	33	7
TMPRSS11	7	6	0	4	0	0
ATXN7L3	4238	2858	5322	4405	2984	3143
PGS1	3170	3336	5140	3098	2675	2141
PSMC5	1304	757	1503	1585	887	1116
UIMC1	2796	1945	3954	2759	2414	2313
CETP	28	44	53	29	103	24
MMP2	4	0	0	0	0	0
MT3	0	0	0	0	0	2
LPCAT2	1536	1508	2253	1524	1194	1096
GNAO1	264	239	557	403	405	259
OGFOD1	1387	826	1670	1699	1006	1247
SH3BP2	16392	9269	22014	16750	13019	11054
NOP14	1703	859	2015	1702	913	1305
ADD1	15568	8455	19779	16379	10627	10781
L2HGDH	598	287	666	480	312	421
TXNDC16	1545	779	1833	1456	1094	1132
RTRAF	2620	1577	3073	2595	1018	1797
NID2	52	26	74	41	84	32
GMCL1	2607	1810	3464	2704	1810	2175
SF3B2	3676	2214	4974	3583	2638	2395
KLHL42	447	588	508	357	239	364
GNAS	9662	6779	12079	9390	9714	8006
DNM1L	4158	2265	4961	3957	3734	3016

PTHLH	0	0	0	0	0	0
PHACTR3	21	3	39	8	28	0
ERGIC2	3335	1745	3227	3056	1953	2530
TFAP2C	0	0	0	0	0	0
AURKA	100	44	125	99	66	83
CASS4	933	1361	1440	762	703	509
PIR	0	2	2	0	0	3
AAMDC	71	30	74	65	25	59
RFX2	272	590	531	400	246	225
METTL2A	741	297	786	759	428	502
SULT2B1	0	0	0	2	0	0
ALG6	1673	867	1785	1588	956	1528
CNOT3	1223	808	1349	1025	565	780
GP6	382	238	430	263	631	170
PTPN4	17523	8281	16486	18941	7791	12195
DDX18	6009	3457	7752	7365	4322	4961
KHSRP	3234	1797	4135	3474	2149	2413
GNA11	328	65	264	85	130	67
ASAP3	71	51	58	35	116	24
EDEM2	1650	940	2034	1591	1107	1204
DNMT3B	68	35	64	46	28	32
REM1	0	0	0	0	0	0
TPX2	156	55	176	125	70	90
PDRG1	325	308	685	481	321	392
EPB41L1	5	13	4	13	12	10
SLC15A1	0	0	0	0	0	0
DOCK9	7061	3286	7515	6928	3877	5461
ANKRD10	5886	3256	7081	6311	4025	4490
TGDS	619	311	707	515	308	559
DOCK3	323	84	573	467	139	252
C3orf18	370	128	386	303	183	206
COQ9	568	320	605	617	361	477
TMEM40	365	360	622	267	904	239
KIF9	106	87	145	139	79	66
ARHGAP28	0	0	0	0	0	0
CRLS1	1308	458	1050	1321	695	739
DEFB127	0	0	0	0	0	0
PPP1R13B	1008	442	978	1077	442	709
ATRN	4483	2196	5245	4460	2923	3336
SMOX	535	445	833	585	1364	348
SIGLEC1	1145	247	2559	1320	1412	588
FKBP1A	4023	2470	4143	1925	1499	2962
NSFL1C	1789	1276	2438	2726	1178	1417
SLC4A11	23	10	13	15	6	7
C20orf194	2344	1262	3217	2704	2051	2006
ZNF343	541	251	690	472	260	461
EBF4	117	79	203	168	72	85
CPXM1	6	16	8	4	4	0
MAVS	13269	7043	16532	12700	9614	10453
LZTS3	145	167	277	135	102	106
F11	7	0	3	6	7	7
XRN2	6979	4648	8242	6428	4127	5130
KIZ	1513	861	1863	1072	757	1087
DYNLL1	1407	1193	2535	1713	2106	1316
TESC	325	195	498	305	316	280
SNX5	4325	2142	5267	4215	3174	3351
RPL6	13418	6864	13663	11604	6826	9078
SIRPG	599	332	549	572	235	451

MAPKAPK	4607	1824	4145	3777	2092	3122
P2RX7	1140	365	2288	857	572	789
ESF1	597	311	525	563	284	542
RBBP9	677	386	843	704	462	500
ANAPC5	9990	5121	12794	10221	7807	7694
SLC23A2	5205	3153	6913	5329	4326	4016
SLC8B1	3254	1791	3879	3243	2295	2163
TMEM230	2557	1314	2951	2684	1865	1955
DZANK1	267	99	395	311	134	166
KDM2B	4933	2511	6000	4682	3478	3510
CFAP61	6	2	0	4	0	10
LHX5	0	0	0	0	0	0
TASP1	730	359	751	662	504	546
OAS1	2006	994	2832	1786	1436	1353
GCN1	9386	4789	11590	10482	6250	7037
RPLP0	18786	9959	20651	16099	8794	14594
PXN	11198	7982	15563	10923	6176	7410
SIRT4	24	19	32	20	0	24
RPH3A	98	87	223	38	248	191
KIF16B	1408	387	1456	1088	724	540
TRMT6	980	521	1314	982	653	603
CHGB	0	0	0	0	0	0
PEBP1	2221	1228	2851	2578	1597	1578
TBX5	0	0	0	0	0	0
BRAP	2015	1359	2553	1963	1317	1786
ERP29	3419	1869	4304	3409	2238	2895
NOS1	0	0	0	0	0	0
FUS	17876	11994	25500	19658	11772	13667
IGBP1	2478	1431	2762	2318	1644	1880
FXYD5	2046	1656	3141	2562	2003	1873
ZNF302	956	655	1031	1707	846	648
GRAMD1A	3225	2455	4083	2839	2144	2608
FXYD3	0	0	5	0	2	0
HEPH	8	29	4	7	17	0
CDIP1	1517	936	1607	1661	1542	1015
CMTM1	31	32	50	36	34	22
KCNH4	4	13	21	7	8	2
GANAB	9677	5159	11453	11413	6809	7298
GMIP	6216	4918	9502	5878	3748	4419
RBM41	1660	763	1576	1129	761	1261
BIRC5	8	33	62	46	17	22
LAG3	285	168	502	377	239	237
MLF2	1929	1780	3323	2310	1522	1557
OTUB2	62	71	165	50	50	38
DDX24	6064	4539	9382	7738	4930	4866
ZBTB25	6613	3896	6548	5273	3830	5109
NECAP1	1059	1210	2030	1527	1342	998
ARHGAP4	8037	5164	12431	7196	5255	7403
ANKRD24	48	23	87	36	13	19
DHX32	1127	503	1047	1084	641	747
RCOR1	5575	3941	7131	5174	4415	4234
GPATCH2L	5698	3451	7679	5345	3783	4583
LTBP4	1079	604	1929	1151	994	1239
BLVRB	675	244	820	553	389	505
SLC9A1	1166	1077	1941	1271	1166	960
SPTLC1	2639	1451	3031	2567	1553	1966
PAPOLA	18987	6916	13953	12624	8070	9509
CCNK	3490	4228	8043	5169	3507	2832

PCBP4	230	202	395	405	186	207
RGS1	732	1146	1989	1359	747	719
YPEL3	1306	1326	1883	1380	938	1038
MRPS33	328	212	356	291	243	292
NDUFB2	839	431	907	823	531	551
NUDC	696	420	929	838	453	595
MAEA	1953	2250	4747	2891	1436	2597
ICAM1	1428	4148	5755	1935	2229	1101
STRN4	2088	1854	3835	2524	2007	1861
IRAK3	11311	7314	14848	12074	12209	11384
LYZ	150423	71929	240801	181744	148722	118780
SI	0	0	0	0	0	0
MUL1	857	572	1450	1209	762	549
TFAP4	699	371	724	556	366	594
PDCD7	1537	935	2011	1658	970	1397
SPG21	3869	2326	4891	3537	3000	3226
FETUB	0	0	0	0	0	0
DNAJB11	1593	2133	3765	2055	1829	1288
P3H2	20	21	48	46	64	49
THPO	0	0	0	0	0	0
CHRD	0	2	0	0	0	0
FLT3LG	756	378	840	653	342	573
RAB11FIP3	1627	763	2413	1579	1118	1396
GNPTG	1347	732	1709	1289	790	898
ZNF268	1110	808	1594	838	653	762
GOLGA3	7529	2904	6905	5684	4713	4479
PABPC4	5882	3166	6340	5504	3646	4593
CD209	80	16	59	79	58	20
CERS4	706	478	771	721	529	414
MCOLN1	671	473	891	621	484	447
USP48	7289	4214	8959	7461	4944	5964
EFNB1	479	273	501	400	418	236
PDPR	6807	2371	5589	5501	4928	2845
AARS	1868	799	2119	1755	1008	1150
GLG1	21014	11084	23655	20253	13290	14249
KIF4A	50	0	35	22	21	32
TNRC6A	6914	4251	9159	6917	4551	5341
PLEKHG2	1757	1171	1935	2048	1234	1265
DLL3	0	0	3	8	0	0
NAT14	56	47	106	57	38	30
PITPNM2	1836	1637	2842	2156	2656	1465
EXOC1	3409	1696	3630	2930	1683	2534
RBM27	6349	3207	7198	6124	3385	4660
POU4F3	3	0	0	5	4	9
OSBPL8	19559	12722	21607	17394	11125	14657
DTX2	889	739	1734	1030	768	958
NLRC4	2023	1143	1980	1339	1408	1755
PUS7	446	195	392	347	236	258
LAMB4	4	0	4	4	4	0
NRCAM	726	197	339	293	266	197
LAMB1	13	4	9	15	0	7
SLC26A4	24	8	22	18	31	7
SLC26A3	0	0	0	0	0	0
DLD	3551	2045	4172	3552	2471	2859
WDR7	7629	3646	8716	7596	4524	5321
TXNL1	1971	1487	2609	1717	1604	1365
IL5RA	65	193	425	365	92	86
ABCC6	198	121	372	234	279	170

CMTM6	13204	9725	17316	13698	13379	9638
ITGA6	5751	4081	4030	6051	4174	5439
RAPGEF4	17	15	27	21	9	19
MAP3K20	1904	1177	2138	1906	1724	1705
SMPX	0	0	0	0	0	0
FH	856	411	994	846	485	681
SEL1L3	6123	3578	7581	5248	4179	4819
TF	37	7	44	27	38	38
CDV3	6486	2505	6599	4291	4254	4603
MYO15A	49	39	55	52	45	46
ALKBH5	4675	2866	6674	5264	3408	3664
APOH	0	0	0	0	0	0
NLRP1	20572	12755	25700	19908	12600	14558
PITPNM3	27	31	37	58	51	38
SPAG7	600	350	738	601	405	425
ORC6	114	45	258	105	112	110
ZFHX4	0	0	0	0	0	0
SLC17A6	0	0	0	0	0	0
CPA1	0	0	0	0	0	0
ZC3HC1	525	225	543	461	275	394
ESR1	170	64	118	57	60	80
RGS17	104	116	102	137	60	124
ANGPT2	15	7	24	12	6	6
TMEM101	691	256	635	510	325	487
CD200	281	140	260	180	56	131
CCDC80	2	0	12	8	4	0
CMA1	0	0	0	0	0	0
PSME1	4258	2427	5083	4975	3124	2883
PPP2R3C	1465	1226	2077	1488	1220	1343
HAUS4	725	526	853	637	561	653
JPH4	16	27	35	24	28	44
MYH7	0	0	0	0	0	0
CEBPE	55	39	45	38	14	60
SLC7A8	87	44	126	88	50	69
OSGEP	1788	1274	2399	1962	1224	1523
SLC22A17	109	45	118	68	44	69
RNF31	1872	1151	2937	2275	1162	1337
SCFD1	4146	2229	4577	3887	2784	3078
G2E3	3169	1675	4084	3722	2234	2344
HECTD1	11213	6098	13301	11833	7664	9143
HNRNPC	18548	11414	24517	19615	12094	14482
RPGRIP1	157	137	262	144	175	177
SUPT16H	5569	2711	6305	5524	3438	4011
TOX4	4459	2219	6110	2453	2902	3315
GEMIN2	236	158	338	314	166	252
TGM1	139	39	134	93	82	69
TINF2	1315	816	1706	1413	724	909
DAZL	11	10	6	2	12	2
TBL1Y	0	0	0	0	0	0
SEMA6A	32	10	31	18	0	9
TRPM7	10071	5184	11082	9617	6439	7806
TYRO3	7	12	9	10	10	9
WDR76	695	363	965	854	399	586
CAPN3	841	395	981	862	511	645
SNAP23	2058	1214	2045	1443	1955	1168
TBX15	0	4	5	7	13	0
PHGDH	152	78	151	116	101	100
COL9A3	34	57	96	6	57	42

EZR	8754	4607	10402	9169	5647	5874
MYL6	4684	2995	6042	4902	4187	3649
AGO1	2638	1892	3352	2663	2275	2175
TEKT2	2	0	3	3	9	5
CLSPN	99	41	140	96	75	66
RFFL	5219	3201	6872	5219	3487	3917
UNC13D	6055	4399	9389	6978	4769	5019
MFSD11	1684	939	2227	1678	964	1344
DPYSL2	7541	3955	9368	7283	5696	5630
TGFB2	28	82	71	73	59	26
GPATCH2	1719	768	1809	1629	1057	1368
NUP50	7198	4401	9786	7836	4234	6576
CDC45	41	26	61	29	18	9
COMT	1237	774	1282	987	748	841
ADA2	18285	9180	19707	17743	14082	13153
VNN3	786	1294	1438	608	717	423
ECHDC1	2557	1129	2195	2285	1338	1874
LRRFIP2	3398	2558	5086	3704	2636	2497
SEC22C	2284	1420	3249	2753	1816	2119
XYLB	279	90	222	275	163	183
HDAC6	2171	1113	2960	1958	1614	1716
OR1I1	0	0	0	0	0	0
GABRP	0	0	0	0	0	0
KRT31	0	0	0	0	0	0
CDC6	59	28	70	58	40	46
UPRT	476	387	618	531	505	404
CDC23	1445	844	1833	1763	962	1329
AAAS	1139	488	1021	940	631	680
CBX5	12660	5616	11984	11382	7032	9408
FMO2	0	0	0	0	0	0
SUCO	4215	3468	6003	4588	2815	3512
MSH2	2686	1320	2274	2098	1144	1575
MAP3K1	25504	13766	26473	19801	14959	17799
DHPS	1059	689	1745	1333	817	955
HOOK2	379	377	966	427	287	302
NXPE1	0	0	0	0	0	0
ARCN1	5842	3344	6841	4771	2524	3384
EPB41L4B	0	0	0	0	0	0
TMEM38B	695	237	645	582	378	473
PSMD5	2072	1126	2387	2139	1465	1729
PTGS1	5848	4615	8973	6594	10382	1892
NUP188	3803	2139	4748	4290	2621	2826
CRAT	568	394	742	650	733	537
SH2D3C	3466	2293	4869	3355	1803	2649
NANS	597	632	1088	611	489	520
TBC1D2	1731	804	2294	1445	961	1184
WHRN	179	195	306	258	124	201
PDE6C	3	0	0	0	0	0
CWF19L1	2272	1323	2646	2465	1536	1590
SEMA4G	40	12	46	35	8	20
BTAF1	12715	7473	15788	13654	9948	10705
IKZF5	3062	2317	4231	3440	2328	2464
BLNK	679	415	800	526	533	429
TLL2	0	0	6	4	7	0
CYP26A1	3	9	0	2	4	0
TDRD1	19	7	14	8	38	66
SORBS1	117	62	192	129	46	82
CRTAC1	0	0	0	0	0	0

BAMBI	36	5	25	22	31	8
IL11	5	0	7	0	0	2
MYO3A	0	6	0	3	0	2
WAC	13204	7903	14881	13016	8028	9250
CREM	477	380	479	690	528	214
NUBP2	445	340	752	621	367	442
TPSD1	9	0	0	0	0	0
SMIM24	4	12	11	11	0	6
HIVEP1	1707	2651	2183	3793	2225	3236
TREM2	5	2	10	6	4	4
KCNK16	0	0	0	2	0	0
CRISP3	108	93	297	180	81	544
FKBP5	12158	7439	11300	11138	5540	6815
SRPK1	3635	2876	5324	3441	2195	3011
BRPF3	1561	1075	1469	1675	1104	1419
MRPS18A	273	160	396	271	160	234
PGC	3	0	0	4	2	0
TMEM14A	117	70	150	144	62	100
EFHC1	673	350	617	647	581	417
NCR2	4	0	0	2	0	0
HSP90AB1	15373	8914	18837	15216	9297	11393
MLN	0	0	0	0	0	0
CDC5L	2817	1846	3441	2613	1689	2113
ITPR3	6072	2971	6298	5970	3458	4669
ZNF184	854	454	942	812	370	720
DSP	430	175	360	3	93	122
SIRT1	3646	2598	4016	3777	2198	3013
HNRNPH3	5141	3159	6647	5596	3887	4179
IFT74	413	244	429	364	183	337
JAK2	13831	5417	13870	12543	7416	9372
IL12RB1	2588	1105	2958	2593	1513	1452
ABL1	2945	1396	3558	3167	1818	1755
ACOT7	210	152	382	290	474	181
SH3GLB1	8028	4763	9929	7801	5216	6100
CDC7	763	401	937	552	490	706
SYDE2	325	132	375	274	107	277
PCSK5	1496	765	1800	1462	854	1090
SCD	551	246	661	538	408	469
TMED1	231	145	332	236	150	186
ABLIM1	14980	7989	14965	13526	7716	9632
ERMP1	2573	1561	3907	3415	1794	2208
RAB18	4373	1209	2267	4041	3021	3804
NRP1	430	229	471	377	510	253
PRTFDC1	141	83	163	99	411	111
PALMD	0	0	0	0	0	0
TSPAN15	85	72	78	95	79	106
H2AFY2	140	57	146	91	62	86
WASHC2A	3527	2469	4976	3706	2326	2382
MAST3	7294	5931	11713	7903	4905	5162
MZF1	2224	935	2171	1691	1291	1501
OCEL1	142	85	204	154	154	118
MYO9B	13169	8610	18369	14638	8653	9189
KCNK6	2169	1503	2458	1944	1890	1773
CATSPERG	558	308	455	531	583	309
PSMD8	1279	822	1818	1417	894	1025
FBXL19	894	382	876	563	355	500
STX1B	64	23	68	70	45	63
HSD3B7	49	44	45	73	48	49

SETD1A	1724	1182	2281	2055	1216	1336
BCL7C	564	288	679	531	353	439
MAGEB2	0	0	0	0	0	2
EFNA2	0	0	0	0	0	0
CIRBP	3120	2267	4642	3605	2197	2088
ATP5F1D	696	455	529	382	545	545
CBARP	5	5	6	0	3	2
PCDH11Y	3	0	0	0	0	0
AMELY	0	0	0	0	0	0
IGFALS	37	10	12	21	22	4
HNRNPM	3846	2582	5893	4480	2843	3271
2-Mar	1450	1158	1939	1552	2871	1321
NDUFB7	331	151	455	261	180	211
TECR	1398	800	1739	1601	895	1069
TIMM13	496	281	721	461	377	325
CDC34	439	372	520	530	181	291
MTAP	2680	613	3320	3017	1717	1496
MISP	0	0	0	0	0	0
CEP170B	67	82	179	57	52	68
POLR2E	1367	876	1897	1276	1048	929
POLRMT	1987	976	2553	1956	957	1534
HCN2	85	52	87	40	15	29
CDHR5	24	14	36	22	28	18
IZUMO4	92	69	123	69	61	77
RASSF7	150	109	299	195	95	155
GADD45B	447	761	1896	608	678	404
PALM	12	10	16	4	22	7
MADCAM1	6	11	6	6	6	3
MKNK2	4319	3278	6213	4676	2799	2801
ARVCF	309	196	904	617	236	215
TRMT2A	766	582	1219	1111	637	968
RANBP1	620	268	737	589	327	501
ZDHHC8	1456	750	1879	1234	966	973
KLHL22	1346	854	1802	1535	1090	1250
MED15	6842	4360	9923	7743	4716	5464
SERPIND1	10	6	9	7	0	2
SNAP29	1862	859	1606	2148	1007	1436
CRKL	7486	4666	9927	8164	5630	5758
LZTR1	1745	964	2083	1479	1029	1330
MMP11	55	37	48	32	18	30
CECR2	20	39	68	27	54	59
SMARCB1	2595	1476	3388	3320	2210	2082
P2RX6	33	14	9	32	21	13
DERL3	107	112	281	94	168	146
SLC7A4	0	0	2	0	4	0
BCL2L13	3180	1371	3365	2526	2228	2587
DDTL	17	62	163	193	99	9
DDT	580	302	584	367	351	478
OSM	178	616	835	399	127	119
CABIN1	6314	3989	7429	6611	3726	4703
TBC1D10A	2443	1013	1968	2517	939	1255
SUSD2	86	68	39	109	41	70
SF3A1	7244	5158	9863	7829	5598	5534
GGT5	0	46	46	24	16	3
RNF215	375	190	419	314	297	188
SEC14L2	217	116	251	262	151	148
SEC14L3	0	0	0	0	0	0
SPECC1L	2179	1441	1223	2966	1992	1705

PPIL2	2227	943	2566	2514	1337	1754
UPB1	52	163	79	119	34	26
YPEL1	1985	1259	3430	3151	1539	1525
SNRPD3	1403	787	1770	1598	1104	1275
PES1	1328	681	1330	1063	746	871
MAPK1	17671	11207	22400	19035	13510	12889
GGT1	282	259	442	379	206	235
PRODH	0	0	0	0	0	0
PPM1F	6429	5234	9141	5937	5611	4573
SLC35E4	109	57	235	144	68	76
TOP3B	1281	776	2794	1326	960	903
CRYBB3	9	4	5	12	0	2
CYTH4	10190	5583	14253	9838	6542	7376
ESS2	634	448	1104	684	508	518
MFNG	1910	1123	2393	2104	1395	1363
CARD10	2	0	2	0	4	2
LRP5L	484	376	1090	585	400	555
SLC25A1	707	427	1066	826	501	496
GRK3	11348	4989	9552	8962	8919	6755
PLA2G3	0	0	0	0	0	0
LGALS2	689	296	228	450	344	912
GGA1	1557	1276	2781	1791	1582	1244
HIRA	3188	1791	4426	3362	2280	2316
SH3BP1	3596	1791	5315	4243	2026	3023
SEZ6L	233	77	246	97	153	148
LGALS1	1820	1210	3094	2307	1410	1874
HPS4	2726	1356	3023	2559	1654	1916
PIK3IP1	6797	3888	6371	5592	3520	3996
Z83844.1	0	138	0	0	0	0
SRRD	1372	777	1866	1553	1025	1098
PATZ1	2543	1565	3255	2609	1640	2021
TRIOBP	2189	1239	3305	1974	1603	1600
TFIP11	1512	1322	2693	1740	1035	1211
GCAT	4	18	9	16	2	17
GGTLC2	0	0	0	0	0	0
CRYBB1	7	0	4	5	0	0
ANKRD54	479	287	740	568	309	427
EIF3L	11884	6416	13275	12431	9039	8976
SNU13	1860	1135	2271	1656	1118	1514
MICALL1	1034	805	1441	1387	621	1004
POLR2F	294	141	307	284	157	235
SOX10	10	15	5	5	0	0
CCDC134	378	337	467	318	264	266
DEPDC5	3303	1607	4385	3454	2528	2408
PICK1	545	335	951	731	551	470
TTC28	471	228	327	392	268	240
SLC16A8	12	5	8	0	6	4
CENPM	54	25	117	71	83	26
3-Sep	14	2	8	15	10	22
SLC5A1	0	0	0	2	0	0
SLC5A4	0	8	0	5	4	0
KDELR3	5	4	0	8	0	0
CYP2D6	146	167	151	142	93	87
DDX17	83235	46711	98879	80062	51687	63286
DMC1	20	17	12	30	27	5
TCF20	1384	875	1776	1310	905	979
HSCB	263	94	292	169	115	194
CBY1	213	118	199	148	83	166

TOMM22	1294	724	1474	1286	753	888
RSPH14	14	8	11	10	22	0
XBP1	4893	2428	5055	5925	3176	3358
RTCB	2087	1016	2732	2192	1616	1604
JOSD1	2437	1786	3913	3167	2100	1769
FBXO7	7978	4511	10830	8927	5052	5920
GTPBP1	3058	4228	6529	4500	3674	2820
POLDIP3	3541	2428	3794	2871	3036	3008
RAB36	72	88	75	54	59	41
TIMP3	36	20	15	12	85	3
PPP6R2	4904	2647	5647	4972	3354	3346
SBF1	9910	5613	13512	11237	6337	7157
SUN2	26658	14009	40250	31482	12378	21209
CYB5R3	1331	978	1991	1494	1386	1047
DNAL4	292	168	319	228	189	185
C22orf31	0	0	0	0	0	0
MIOX	2	0	3	0	0	0
LMF2	1965	1174	2866	1952	1257	1277
RHBDD3	172	125	291	211	180	230
PACSIN2	3024	3035	4192	1552	1657	1115
TTLL1	215	108	320	297	148	179
RASL10A	28	4	18	16	11	13
AP1B1	4092	2283	4945	3673	3620	3056
HMGXB4	1358	770	1614	1320	896	906
TOM1	2120	1913	4649	2517	2311	1545
NEFH	44	11	37	23	16	14
CHKB	2242	1440	3452	2404	1489	1735
BIK	30	12	63	30	22	22
HMOX1	1700	767	1695	1432	1000	1072
MCAT	152	207	267	185	81	144
THOC5	2328	1127	2840	1936	1353	1471
MCM5	2699	1442	3478	2564	1888	2027
APOBEC3H	47	18	131	106	65	61
ARSA	1457	916	1627	1358	717	969
TSPO	2349	1289	4056	2420	1717	1699
RASD2	0	0	0	0	0	0
TTLL12	1084	636	1679	1410	863	805
CBX7	4638	3031	5867	4402	2921	3486
PDGFB	233	143	312	220	389	249
ACR	0	0	0	0	0	0
CABP7	16	5	11	26	5	0
RPL3	41083	22163	41660	35892	22901	31579
ZMAT5	365	189	372	308	190	211
RBFOX2	80	35	74	112	66	74
SYNGR1	640	264	1360	654	463	531
TAB1	1874	996	2326	1669	1201	1593
ASCC2	1997	1021	2656	2184	1336	1628
MTMR3	8539	6957	12497	9134	7473	6866
MIEF1	1592	1628	2321	1437	973	2278
APOL4	63	18	37	98	15	18
PNPLA5	0	0	0	0	0	0
APOL1	447	327	439	509	214	234
PNPLA3	3	0	0	0	0	3
MYH9	64504	47326	89089	65876	58446	48923
CACNA1I	1567	1052	1826	1085	499	1480
SAMM50	1855	796	2272	1931	1113	1467
TXN2	859	472	989	542	563	472
FOXRED2	164	98	178	189	129	95

GRAP2	9391	6261	12246	9788	11654	7956
EIF3D	5544	3353	6307	5312	3882	4114
TNRC6B	30198	18556	35748	27615	18969	22079
SGSM3	2116	1128	2401	2149	1309	1502
IFT27	472	259	986	1027	691	888
PVALB	52	38	78	48	224	17
KIAA0930	5159	2163	5810	5134	3760	3746
NCF4	1504	1911	3118	1122	974	956
CSF2RB	7393	13629	17209	8220	5144	4814
SLC25A17	684	387	743	734	465	507
UPK3A	44	27	37	52	29	37
FAM118A	6475	3294	8402	6943	5350	1339
KCTD17	449	181	784	422	259	317
ST13	4333	2132	4105	4076	2700	3124
IL2RB	7065	3606	10754	10838	3989	5156
RBX1	1382	888	2035	1483	1559	1246
EP300	18147	12905	24630	18244	12460	13592
L3MBTL2	1956	1007	2062	1821	1254	1372
CHADL	30	8	16	27	26	23
RANGAP1	2649	1546	3501	2629	1945	2225
ZC3H7B	4457	2129	5941	4121	2822	3187
PHF5A	414	268	568	542	338	291
ACO2	3064	1639	3631	2892	2046	2024
POLR3H	1609	838	1953	1507	934	1105
TRMU	1701	898	2034	1556	1094	1292
PMM1	502	236	512	476	423	354
DESI1	1603	1029	2103	1732	1260	1435
CERK	8013	3878	8983	8500	4887	5834
BRD1	3144	3272	4131	5582	2253	2913
ZBED4	3413	2057	4081	4357	2572	2634
MLC1	1003	522	2143	1868	701	518
HDAC10	1349	598	1389	1177	700	720
KCNK10	18	18	43	34	100	40
ABHD4	772	731	1119	768	794	579
KHNYN	6525	4059	9006	6945	4762	5342
FKBP3	1141	566	1155	954	641	839
SDR39U1	1085	603	797	1093	414	816
CTSG	17	38	84	8	32	22
GZMH	1471	726	3726	2706	1002	1080
GZMB	1650	1135	2941	2424	1265	1385
RBM23	6038	3498	6935	5653	3568	3763
PRMT5	528	455	897	571	385	499
COCH	249	120	161	40	154	206
AP4S1	1459	396	1278	1163	836	1126
POLE2	107	78	171	92	141	100
VCPKMT	1259	590	865	1061	502	506
SOS2	7324	5345	8935	7052	4846	5566
CDKL1	383	195	453	381	319	334
NIN	15564	9263	19241	15424	9998	10974
PYGL	3465	3652	5360	3074	2899	2994
TRIM9	55	74	80	51	22	42
PSMC6	2765	1722	3812	3263	1801	2119
GNPNAT1	468	435	1042	1000	481	836
DDHD1	7840	4138	8497	7583	4789	6335
CDKN3	31	14	67	22	26	10
CNIH1	1568	761	2709	1930	1091	1434
CGRRF1	617	498	857	710	492	509
ATP6V1D	1014	1008	1656	1228	819	775

CCDC198	0	0	4	0	2	0
PLEK2	13	17	7	14	10	17
PIGH	724	509	1098	893	611	565
LRRC74A	0	0	8	0	3	0
PSMA3	1772	1089	2359	1893	1486	1473
VTI1B	3720	1918	4074	3825	2713	2923
TIMM9	197	225	314	267	208	198
GSTZ1	646	225	513	507	334	429
KIAA0586	2590	1453	2950	2565	1438	1967
TMED8	3905	2355	4874	3385	3445	2991
SAMD15	13	9	7	10	6	0
AHSA1	949	628	1382	1035	465	746
DAAM1	1786	1169	2354	1789	2193	1487
ISM2	0	0	0	3	0	4
SPTLC2	11001	5087	11381	10770	6986	8059
RIN3	7416	4275	8451	6977	4348	4502
LGMN	262	199	338	332	322	210
ALKBH1	555	298	577	541	333	485
SNW1	2065	1278	2313	1828	1236	1468
CHGA	10	3	18	8	3	2
ITPK1	3371	3390	3768	2439	3072	2335
DHRS7	2042	1508	3381	2362	1685	1970
PPM1A	8277	5995	8373	8823	8492	6720
SIX4	2	3	0	0	0	0
GALNT16	3	0	3	4	3	0
ASB2	102	61	107	114	142	79
CEP128	1027	518	1002	917	551	985
ERH	1253	662	1534	1010	693	933
HIF1A	7598	8910	14767	7817	6791	5446
SUSD6	9068	8316	13154	10065	8028	6363
SRSF5	6856	5701	9884	8082	4749	5602
SLC10A1	8	1	0	0	0	2
EIF5	6045	10239	10589	8287	5252	4431
SERPINA4	0	0	0	0	0	0
SLC8A3	120	137	259	154	373	93
DICER1	12776	8216	15087	11619	10170	12152
ZFYVE21	549	422	785	758	627	503
MTHFD1	1737	771	1795	1583	1264	1238
TCL1A	671	276	800	424	164	191
ZC3H14	3240	1454	3279	3002	1565	1413
TELO2	1655	858	2047	1566	947	857
PCNX1	16751	15182	23433	20633	15039	13052
BDKRB1	0	0	0	0	0	0
GSKIP	950	393	661	607	309	801
VRK1	1555	713	1805	1483	889	1081
PSMC1	1862	1302	3111	2467	1541	1559
PAPLN	133	80	104	162	127	67
RPS6KA5	7046	4030	5836	5030	3697	4797
PPP4R3A	8222	5571	11409	8340	5536	6981
C14orf93	452	244	391	331	220	223
PSMB5	522	212	449	408	210	416
YY1	9333	5863	11226	9348	6496	7508
ACIN1	8588	5013	8726	6411	4535	6606
CCNB1IP1	467	327	718	470	511	417
TRIP11	4385	2284	4503	3921	2135	3524
APEX1	718	369	334	196	394	225
PABPN1	4651	2791	6152	4852	3725	3363
EFS	0	4	0	3	0	0

ARHGAP5	6191	3516	5331	5657	3130	5050
CINP	522	331	661	570	281	444
DHRS2	0	0	3	0	0	0
SRP54	2223	1175	2446	2131	1245	1785
CPNE6	7	0	7	10	0	0
CHD8	10403	6062	12376	10676	6344	8345
PCK2	836	460	934	853	509	604
KIAA0391	951	1069	2289	1039	1180	1748
DCAF11	2765	1897	4175	2899	2158	2056
PSMA6	1313	1510	3058	2155	1797	1684
NFKBIA	3399	14852	28299	8499	8080	2650
EMC9	52	34	105	69	47	68
PSME2	2595	1468	3829	2726	1679	2114
BRMS1L	291	188	335	197	165	208
REC8	829	990	2215	1444	986	724
TM9SF1	271	602	1061	275	493	563
SEC23A	3561	1885	4321	3605	2530	2750
GMPR2	1113	881	1616	1247	954	1110
PNN	3436	2344	4330	3538	2216	2904
RABGGTA	637	391	728	588	497	413
NFATC4	7	3	16	12	25	2
PLTP	24	17	53	52	54	20
PCIF1	2417	1630	3284	2829	1759	1765
GSS	773	419	918	601	473	583
MMP9	85	589	516	58	66	186
VSX1	0	0	0	0	0	0
TRPC4AP	6236	4009	8453	6923	4813	4625
PYGB	4984	2612	5417	4833	5257	3284
ABHD12	856	490	1194	1000	681	731
PROCR	91	22	54	64	21	44
GINS1	121	50	115	86	59	111
NINL	140	118	355	375	102	71
CD40	627	410	887	413	480	360
UQCC1	2404	1068	2911	2342	1379	1817
ZMYND8	4556	2477	4810	4102	2852	2782
SGK2	35	30	63	52	26	31
IFT52	733	358	849	761	440	508
MYBL2	111	60	141	181	99	64
R3HDML	0	0	0	0	0	0
HNF4A	0	0	0	0	3	0
NDRG3	1723	1243	2442	2207	1276	822
SLA2	2265	1585	3251	2844	4148	1763
RAB5IF	1697	1435	3017	2082	1299	1374
NFATC2	9525	4990	12780	10751	5586	6426
RIMS4	0	0	0	0	0	0
PABPC1L	1592	943	1425	1445	834	1098
STK4	14421	10826	19403	15028	10129	11339
SALL4	23	16	59	8	8	14
ADNP	5019	2682	6444	3389	3211	5115
PFDN4	259	136	276	284	110	61
DOK5	0	0	7	0	0	0
CSTF1	1422	429	1596	1420	872	1194
BMP7	0	0	0	0	0	0
RAE1	1388	756	2023	1482	993	1048
TPD52L2	3926	4033	6349	4299	3382	3116
DNAJC5	8627	4897	11368	8609	6398	6577
NELFCD	2773	1510	2683	2764	1929	1929
CTSZ	3929	2249	5721	3875	3331	3453

PRPF6	3494	1883	3867	3329	1989	2899
TUBB1	19053	20906	30503	19424	56481	17626
PRELID3B	1515	808	1620	1589	1013	1250
HRH3	0	2	0	0	0	0
MTG2	1090	594	1275	996	664	834
PSMA7	2902	1858	4246	4025	2309	2286
SLCO4A1	17	2	26	28	28	23
NTSR1	142	160	144	68	63	82
MRGBP	384	219	499	391	207	287
TCFL5	441	270	537	378	283	261
DIDO1	11640	6008	13404	11308	6561	8491
GID8	3035	1702	3683	3449	2250	2270
SLC17A9	851	369	1014	639	532	465
BIRC7	0	0	13	15	7	2
NKAIN4	0	0	0	0	0	0
ARFGAP1	2874	1560	3425	2759	2063	2135
AVP	0	0	0	0	0	0
COL20A1	0	2	2	7	0	2
CHRNA4	0	0	0	0	2	0
EEF1A2	0	12	17	30	13	12
PTK6	46	44	61	37	44	72
GMEB2	1490	925	1848	1597	838	1061
C20orf27	1342	679	1097	1071	1082	660
SPEF1	4	2	0	0	0	2
CDC25B	4001	3545	8429	3852	1895	5007
ISM1	22	45	43	47	36	38
RNF24	2940	6831	8364	3446	2510	2691
ARFRP1	2117	1215	3280	2550	1502	1788
NDUFAF5	914	368	896	883	450	320
SEL1L2	0	0	0	0	0	0
TRIB3	233	166	335	290	188	211
RASSF2	17475	16400	26552	17614	14722	4794
CSNK2A1	6271	3336	7013	6397	4000	5188
SLC52A3	2	0	0	0	0	0
ANGPT4	6	9	0	0	6	8
RSPO4	9	0	21	4	3	0
CDS2	10922	8079	13134	10938	9451	7921
PROKR2	0	0	7	0	0	0
HM13	2985	1879	6029	4651	3519	3433
SNPH	1199	385	765	947	476	444
MYLK2	0	0	0	0	0	0
SIRPB1	2462	2205	3574	2053	1820	1826
SEC23B	3381	1675	3460	3062	2264	2449
FERMT1	4	8	2	4	2	0
HAO1	0	0	0	0	0	3
PDYN	0	0	0	0	0	0
CCM2L	0	9	2	0	7	0
PLCB4	2	24	33	90	56	22
MYL9	627	837	593	526	3279	842
HCK	6764	5521	9485	5437	4640	4941
TM9SF4	2807	1804	3519	2808	2075	2322
TLDC2	93	21	81	88	46	36
CRNKL1	2463	1369	2910	2303	1304	1979
POFUT1	2408	1049	2516	2449	1584	1811
SAMHD1	30125	13348	29600	29536	19519	20384
PAK5	3	0	0	0	0	0
KIF3B	3056	1597	3808	3257	1942	2394
MROH8	149	35	119	98	69	85

NOP56	1495	840	2160	1698	940	1198
MANBAL	592	277	584	451	408	336
IDH3B	1102	711	1641	1345	806	873
MAPRE1	7082	4678	9326	7692	5599	5070
JAG1	255	339	659	380	270	327
CDK5RAP1	1871	927	2575	2161	1458	1598
SNTA1	161	69	157	149	139	101
OXT	6	0	3	1	1	0
TTI1	1563	898	1937	1529	879	1181
E2F1	140	61	163	222	122	115
RPRD1B	2530	1443	2789	2556	844	1841
PXMP4	732	264	863	787	420	533
CHMP4B	1992	1373	2760	1857	1377	1524
BPI	208	121	488	132	164	479
CST9L	0	0	0	0	0	0
SLC32A1	0	0	0	0	10	0
CST3	6031	2472	6407	5738	4782	3653
ASIP	2	0	0	0	0	0
CST4	0	0	0	0	0	0
ACTR5	756	403	1005	927	510	568
WFDC2	10	0	3	7	0	6
AHCY	1158	489	1363	1197	864	787
PPP1R16B	5443	3166	7358	6724	4533	4042
SPINT3	0	0	0	0	0	0
FAM83D	83	47	122	113	80	43
EPPIN	0	0	0	0	0	0
DHX35	1133	529	1317	1154	735	795
DNTTIP1	479	444	634	389	229	443
MAP1LC3A	16	88	93	27	31	18
SYNDIG1	0	0	0	0	0	0
PIGU	560	319	638	555	324	392
TNNC2	11	15	8	5	28	6
ACOT8	1085	602	1423	1025	777	914
APMAP	4764	3096	7059	6927	3574	3293
CELF4	2	5	0	0	0	0
ZNF516	6380	4957	8672	5771	4535	4577
CDH20	2	2	14	7	7	0
ADNP2	2409	1574	3277	2714	2069	1875
RBFA	557	285	549	465	356	365
USP14	4704	1377	5062	4776	2446	3472
VAPA	8223	6427	11786	9461	7397	6593
METTL4	1330	737	1053	895	730	842
LPIN2	8295	5921	11439	8582	4949	6737
SMCHD1	38613	36337	55728	34347	22459	25180
MYOM1	797	241	378	385	598	377
MYL12A	18278	10236	25340	18621	22178	13738
CEP76	391	203	396	394	234	330
ST8SIA5	17	0	10	18	0	5
CEP192	10553	5516	12904	10587	7020	7553
RNMT	1811	1766	2649	2234	1444	1456
SMAD7	1609	1022	3404	2882	1182	1091
LIPG	3	0	0	0	0	0
LAMA1	0	0	0	0	0	0
RNF125	9262	4941	10874	11098	5313	6879
ANKRD12	5456	3390	5931	6606	4897	5240
NOL4	0	0	0	0	0	0
POLI	2615	1028	1916	1892	1077	1680
MIB1	7026	3794	8067	7466	4670	5679

RBBP8	710	367	821	769	599	612
RIOK3	2833	2269	4480	3246	6467	2493
CSTF2	425	194	505	379	265	305
H2BFM	0	0	0	0	0	0
MXRA5	0	0	0	0	0	0
VSIG1	449	177	344	286	157	360
PSMD10	631	336	852	749	467	492
ATG4A	588	298	715	420	326	513
STS	713	517	896	693	470	664
TBL1X	4279	3778	5616	4514	3091	2957
GPR143	0	0	0	0	0	0
PGRMC1	2707	2586	4399	3032	7024	3072
POLA1	1554	760	2032	1652	906	1164
MID1	15	0	8	0	8	4
NKAP	942	649	1196	998	539	731
RHOXF1	4	0	11	9	15	2
NXT2	564	195	669	674	406	432
GUCY2F	0	0	6	0	0	0
ATP1B4	0	0	0	0	0	0
MCTS2P	4	3	7	8	4	6
ALG13	4576	2876	5137	4205	3217	4031
PRPS2	495	292	676	506	283	795
TLR8	5331	3712	6755	4444	3607	3798
MOSPD1	362	136	380	339	216	239
AMMECR1	1976	1054	2560	2341	1358	1688
CHRDL1	0	7	0	2	3	0
WDR13	1203	602	1354	1339	756	861
SUV39H1	226	188	316	198	134	180
PAGE4	0	0	0	0	0	0
SRPX	3	5	6	2	4	2
GLRA2	0	0	0	0	0	0
XIAP	982	455	1075	1031	3339	661
STAG2	12279	7940	14371	13923	7313	9531
ATP11C	3230	1723	3575	1971	1723	2669
MCF2	136	51	220	159	92	153
F9	0	0	0	0	0	0
ABCD1	1150	582	1576	1064	837	782
CCDC22	1187	432	1430	999	643	716
CACNA1F	164	74	186	147	84	114
SYP	10	17	25	33	19	3
PLP2	1438	1113	1912	1336	1301	1369
BMX	0	63	62	15	7	16
LUZP4	0	0	0	0	0	0
PLS3	28	6	50	47	53	51
NAA10	693	494	864	704	502	587
RENBP	565	320	574	398	277	315
ELF4	4982	3209	7170	5511	3261	3617
SMARCA1	66	33	65	40	17	48
MTMR8	491	264	555	503	311	427
ASB9	14	13	15	10	18	7
ZC3H12B	220	171	199	220	164	179
RBBP7	3110	2043	4398	4072	2306	2502
PPP1R2C	0	2	0	0	0	0
KCND1	141	109	199	187	169	122
OPN1LW	0	0	0	0	0	0
SLC25A14	397	267	567	352	273	287
FMR1	4117	2571	5984	4309	2587	3693
PIM2	6341	5530	8826	5725	4080	4564

SCML2	99	88	92	110	71	107
SLC35A2	327	460	306	274	293	192
PQBP1	599	368	798	628	403	492
RS1	2	0	0	4	0	4
PCSK1N	6	1	31	5	2	8
EMD	545	467	793	563	466	363
TAZ	1643	1045	2044	1500	1119	1000
RAB40AL	42	11	32	28	15	14
PGK1	12228	7125	18987	13811	10488	9528
GATA1	83	57	170	92	224	62
MAGT1	2553	1321	2897	2532	1775	1806
SMS	1700	919	2193	1717	1391	1288
PHEX	118	152	296	156	324	105
UBL4A	1067	594	1228	766	917	619
CD99L2	1480	811	1697	1678	1088	1159
EEA1	3719	1655	3045	3259	1786	2515
GPR50	0	0	0	0	0	0
RP2	3421	2461	4638	3416	2548	2490
JADE3	342	191	316	205	226	210
CDK16	1021	1164	1906	1266	791	1090
USP11	2115	1101	2332	2618	1398	1302
PCYT1B	340	229	538	511	863	304
BRS3	0	0	0	0	0	0
HTATSF1	1405	777	1621	1821	856	1230
VGLL1	0	0	0	0	0	0
CD40LG	887	509	1166	661	532	1135
TIMP1	1082	605	1198	946	1002	639
KLHL4	6	6	195	0	0	2
GABRE	0	0	0	2	5	0
PCDH11X	0	0	0	0	7	0
FGD1	11	5	13	9	8	9
PIN4	326	110	246	184	153	308
PORCN	345	203	474	379	285	244
ITIH6	0	0	0	0	0	0
MAGED2	1967	1292	2896	2390	2088	1748
RBM3	9405	6094	12759	9149	7591	7743
KLF8	332	227	454	304	346	544
SRPX2	0	2	0	0	0	0
SYTL4	354	285	328	250	606	189
ZDHHC15	38	8	31	36	40	27
CENPI	110	75	150	67	104	92
DRP2	0	0	25	2	0	4
TAF7L	2	0	8	0	4	0
PBDC1	573	251	621	442	269	379
GLA	626	545	1315	843	1108	509
ARMCX3	1424	192	1882	979	1123	192
BEX4	528	287	503	597	335	338
RUBCNL	2486	2280	2955	1213	1524	1163
NALCN	0	0	3	0	0	0
FGF14	0	2	12	0	4	6
HTR2A	4	9	4	4	20	2
NDFIP2	312	53	267	201	92	259
TNFSF13B	1497	854	1785	1146	1105	1104
FNDC3A	8110	4248	9717	7845	4965	6149
MLNR	2	5	2	4	0	3
CDADC1	664	518	883	638	377	428
CAB39L	316	184	458	364	264	232
KLF5	188	259	348	301	123	184

STK24	9196	5056	5710	7957	7808	4209
ACP5	386	217	591	312	403	396
DNAJC3	5922	3681	7214	6101	4243	4436
UGGT2	759	278	581	582	634	524
ARHGEF7	6019	3767	7786	6419	3936	4721
FGF9	80	61	66	47	34	125
SGCG	0	0	0	0	0	0
PARP4	13603	7863	16068	14648	9062	9638
SUPT20H	4410	2685	5353	4121	2339	3654
MRPS31	1022	508	958	747	429	763
SLC25A15	333	127	342	348	316	214
KPNA3	3924	1824	4558	4031	2588	2957
FLT1	112	95	131	36	28	34
RGCC	844	485	968	934	510	613
VWA8	4481	2413	5381	4283	2881	3499
DGKH	2839	1617	3488	3321	2209	3289
KATNAL1	1304	740	1976	1342	1160	1064
INTS6	10236	5479	10984	7785	5231	7611
ACOD1	0	4	11	0	6	2
DHRS12	446	371	528	430	282	287
MEDAG	7	2	0	2	0	0
TSC22D1	3722	3069	9000	5128	9392	5211
CLN5	1660	847	1360	1633	1022	1246
OLFM4	361	219	854	240	238	562
MSLN	0	0	1	4	4	2
MGRN1	1699	1521	2943	2510	1528	1643
ZNF629	480	262	438	366	220	394
TRADD	808	526	1218	758	543	804
HSF4	248	110	196	157	133	160
CORO1A	22116	12942	29132	22014	13176	15940
MAPK3	996	1038	805	1014	586	714
GDPD3	275	246	401	272	150	261
ELMO3	269	97	301	174	186	296
MT4	0	0	0	0	0	0
PHKB	7665	4092	7973	6549	6306	5439
LYRM1	444	145	340	184	237	437
NUTF2	592	327	699	430	443	540
NUP93	2247	1158	2345	2436	1535	1589
CENPT	1405	856	1858	1627	983	1190
TSNAXIP1	18	12	7	8	7	3
NFAT5	3756	2625	4343	4854	3003	4098
LONP2	9567	4259	9693	7840	5158	6392
N4BP1	5626	5043	7862	5491	3491	3935
CBLN1	0	0	0	0	0	0
ARL2BP	1176	1414	3161	1419	780	798
PLLP	97	42	51	59	31	45
ZNF423	0	2	3	8	0	0
CCL22	0	4	2	2	6	7
DHODH	337	102	458	211	129	193
CCL17	0	0	0	0	0	0
CTCF	2897	1526	3411	2795	1838	2439
ACD	432	260	486	409	202	336
POLR2C	1865	1334	2545	2224	1320	1405
PARD6A	86	51	80	81	48	44
ZNF821	180	148	307	173	155	136
MMP15	12	8	42	31	27	26
USB1	1712	1709	3275	2099	1449	1405
CYB5B	3029	1355	3324	1044	1479	2159

CCDC113	29	10	10	16	6	6
PRSS54	0	0	0	0	0	0
NME3	223	119	201	144	115	134
NDRG4	17	2	7	14	2	15
PSMD7	1432	1039	2380	1931	1531	1292
SETD6	718	399	856	613	198	231
SLC38A7	891	372	888	901	533	647
VAC14	2955	1675	4169	3067	2170	2065
HAS3	87	51	89	192	106	60
TANGO6	3052	1356	3478	3137	1906	2104
COG4	2232	1052	2347	2279	1314	1276
SMPD3	221	227	309	421	314	194
SLC7A6OS	2085	1041	2762	2016	1392	1583
SLC7A6	3665	2462	3785	3382	2150	3192
PLA2G15	327	319	364	315	293	269
ESRP2	28	22	79	31	19	29
FA2H	10	16	30	4	23	7
WDR59	2637	1516	3522	3070	1777	2080
MON1B	3967	1990	5136	4275	3042	3095
CMC2	1309	747	1832	985	1126	751
AXIN1	2894	1680	3174	3485	1993	1864
HCFC1R1	76	38	100	77	78	68
NPRL3	1395	828	1637	1428	1134	968
MLYCD	3883	1552	4200	3523	2080	2572
MPG	524	284	701	562	402	331
NECAB2	9	25	34	4	3	3
HSDL1	1351	630	858	1186	853	1197
TAF1C	1759	909	2533	1995	1207	1295
NAGPA	794	582	1117	1108	731	636
WFDC1	8	8	30	0	19	0
SEC14L5	336	607	731	464	1507	366
COTL1	17947	10537	22239	17060	14869	13818
USP10	3347	2314	4336	2686	2219	2554
CRISPLD2	1318	2260	3664	1714	1318	1275
TSC2	4420	2601	5282	4269	3196	3441
ZNF500	1161	529	1280	956	597	536
NME4	315	84	397	213	135	222
ABCC1	6430	3761	9035	7464	4895	5219
NOMO3	1231	1278	3808	3219	1841	1593
LMF1	1332	646	1503	1152	749	1008
FOXF1	0	0	0	0	0	0
CIAO3	1191	576	1436	1388	680	766
MTHFSD	951	519	1110	828	583	759
CLCN7	4454	2280	5716	4156	3537	2971
HAGHL	248	58	258	182	141	159
FAM173A	222	104	252	185	115	134
SLC7A5	625	596	1192	1475	899	478
METRN	144	53	182	204	75	118
FBXO31	1395	848	2103	1617	1006	1225
STUB1	623	371	728	712	370	443
RHBDL1	20	44	51	56	24	26
NUBP1	780	406	884	675	452	560
UBE2I	4378	3217	6073	4061	2771	3217
ZP2	0	0	0	0	0	0
MEFV	5711	5880	8087	5537	4966	4189
CRYM	6	13	8	31	41	9
EEF2K	2267	1227	2541	2212	1466	1649
CAPN15	4628	2246	6954	6026	3066	3491

PIEZO1	13702	6828	17386	13883	10070	8941
GSPT1	6793	3408	7107	6273	3987	4977
ZNF174	265	136	281	309	125	253
CLUAP1	498	279	455	451	400	480
UBFD1	676	459	1049	921	490	552
PRSS33	0	4	2	2	0	0
EARS2	687	316	780	614	441	442
ELOB	1102	743	1573	1254	769	921
GGA2	7566	4055	10532	7149	6859	5658
AQP8	8	0	8	3	12	4
CPPED1	7178	10447	13553	7809	6416	5524
USP31	1711	1059	2287	2009	1770	1314
HMOX2	1629	874	1971	1752	861	1159
DNAJA3	1681	816	1911	1137	760	1293
CORO7-P/	371	8	69	41	22	27
BFAR	1123	785	1934	1002	1024	1038
SALL1	0	0	0	0	0	0
TOX3	0	0	0	0	0	0
RBL2	23275	17632	41143	24963	18605	22559
QPRT	98	25	103	126	130	91
XYLT1	4586	2945	6867	5489	5140	3468
PYCARD	861	524	1274	668	571	452
RPGRIP1L	364	157	295	300	129	218
MAZ	1503	1166	1712	1482	1245	1819
STX4	1270	941	1699	1119	729	878
CDIPT	910	625	1308	1260	709	758
BCKDK	932	582	1352	790	688	630
KAT8	1899	1364	2509	1963	1408	1373
NOMO1	3289	1868	4291	4084	3370	2413
IL21R	2697	1468	3267	2275	1309	1585
SYT17	263	28	159	171	154	94
TMC5	0	0	0	0	8	2
CCP110	1087	1108	2557	2012	938	1313
VPS35L	3112	1555	3161	2848	1957	2110
SLC6A2	0	0	0	0	0	0
RNF40	2990	2277	3038	2736	2143	1893
KNOP1	1222	616	1202	1314	671	829
AQP9	2614	7792	8064	2351	1554	2057
AAGAB	1320	613	1481	1315	850	1262
IQCH	47	14	43	35	10	30
LACTB	1714	1349	2503	1771	1116	1329
CORO2B	90	71	154	44	22	42
CSK	9272	5831	12233	9018	6112	6750
HERC1	31171	18210	42244	34919	22566	25423
TRIP4	1484	854	2012	1554	1012	1144
MTFMT	484	295	526	452	306	375
RASL12	0	0	0	0	0	0
AP3B2	5	4	28	5	4	12
ACSBG1	89	80	132	58	98	55
IGDCC4	20	14	8	8	11	13
RAB11A	6760	4697	9429	6531	10599	5233
CTSH	2564	1659	3831	2365	2344	2528
TTC23	49	23	37	40	63	11
CD276	2	2	12	0	0	0
FAH	335	259	594	367	483	302
CEMIP	46	27	82	36	62	35
RPAP1	1301	638	1324	1263	708	957
HOMER2	326	294	466	259	560	300

EHD4	1637	1363	3432	2003	1396	1522
TMEM87A	3008	1875	4224	3571	2600	2403
ZNF106	12787	7992	15887	12988	11136	10448
CEP152	996	469	994	874	516	774
ATP8B4	3705	1716	4440	4808	2505	2553
OCA2	11	0	19	12	4	2
DTWD1	1364	677	1353	1101	744	1293
TGM5	0	0	0	0	0	0
FAM189A1	4	0	0	3	0	0
GABPB1	1404	750	1124	1287	700	878
TJP1	0	0	5	11	7	6
BMF	2704	1475	3502	2534	2614	2117
DMXL2	23401	14362	28127	21838	17879	18037
SCG3	0	0	0	0	0	0
DNAJC17	1025	494	1304	924	712	761
EIF3J	1443	906	1694	1363	831	1165
SPG11	14381	7839	16126	14166	8784	10604
RHOV	0	0	6	0	0	0
VPS18	1496	1116	2445	1886	1120	1042
OIP5	20	4	31	28	13	12
SLC30A4	1087	576	1524	1115	494	750
BLOC1S6	4637	769	6964	5210	5393	1685
MYEF2	1003	335	1032	655	564	583
SGK3	3018	1640	3767	2293	2374	2290
PDGFRL	0	0	0	0	0	0
CSPP1	1339	784	1570	1316	662	965
ZDHHC2	4386	2480	5066	4688	2938	4541
BRF2	404	256	420	447	267	355
TRIM35	1893	1045	2341	2169	1433	1674
ZFAND1	1013	769	1490	1113	1130	1154
RP1	0	0	0	0	0	0
CA2	970	798	2258	1443	3301	1000
FZD3	586	308	451	769	504	598
INTS9	1210	575	1457	1221	768	814
RIPK2	1191	1193	3110	1764	1403	1006
EYA1	0	2	0	0	0	2
NBN	5450	4144	6484	4911	3579	3508
TRPA1	2	0	0	2	0	0
CPQ	1831	2038	2724	2044	1320	1224
DECR1	2609	1420	2755	2302	1295	1764
CALB1	5	3	2	2	3	0
IMPAD1	6139	3017	7268	6535	4268	4711
SFRP1	0	2	2	4	0	0
LAPTM4B	230	207	245	386	168	90
UBE2W	4758	2597	4807	3888	2911	3395
POP1	515	233	338	287	108	359
NIPAL2	1715	780	1781	1576	1226	1070
IKBKB	7776	3778	8761	7390	5372	4958
PLAT	3	4	3	2	0	3
JPH1	0	0	0	6	0	0
DKK4	0	0	0	0	0	0
STK3	756	476	957	726	536	594
GDAP1	454	341	692	449	501	456
RAB2A	4531	2328	3599	3115	2413	2086
EIF3E	13604	7413	15261	12673	9119	10740
EMC2	1266	642	1362	926	694	1047
ESRP1	0	0	7	1	3	12
WISP1	2	2	2	2	0	0

NDRG1	4527	2885	6108	5499	3281	3019
ZC2HC1A	564	179	403	376	353	550
IL7	113	82	243	51	116	102
STMN2	0	0	0	0	0	2
ARMC1	2062	872	1902	1995	1072	1451
TRPS1	5502	2420	5354	5582	4150	4371
SPAG1	182	156	326	246	166	104
CHRAC1	356	274	473	486	480	320
NCALD	1058	910	1189	2742	1158	698
SNX16	566	337	457	466	372	554
GML	14	2	15	16	7	15
UBR5	17318	9976	20929	17994	11975	13459
GSDMD	1695	861	1938	1578	938	1173
TSTA3	427	289	538	463	227	356
PYCR3	246	134	206	201	132	160
EEF1D	7231	4207	8642	6872	4614	5129
ANXA13	0	0	0	0	0	0
SQLE	717	260	853	691	351	368
SH2D4A	4	0	16	2	0	2
INTS10	3480	1548	4481	3645	2043	2661
ERI1	1334	886	1588	1531	687	1074
SLC39A14	613	271	629	723	364	123
MTMR9	3921	1333	4461	3657	2281	2896
LEPROTL1	8425	4101	7397	6814	3481	5793
DCTN6	662	420	948	747	463	418
R3HCC1	482	231	646	505	302	300
GSR	3814	2277	5002	4264	2943	2901
TNFRSF10A	1185	941	1750	1360	1055	1176
UBXN8	273	82	258	234	146	190
PPP2CB	1439	833	1657	1519	1017	1194
ERICH1	3916	1777	4073	3296	2027	2819
NEFM	10	0	4	2	0	2
TUSC3	0	0	0	0	0	6
ARHGEF10	216	151	291	101	46	66
KLHDC4	3496	2684	6022	5577	3014	3920
MCM4	599	336	855	660	509	531
ADAM2	0	0	0	0	0	0
KCTD9	1738	975	2391	1990	1243	1419
FGL1	0	0	0	0	0	0
ASAH1	11379	7164	9290	7780	8785	6274
BNIP3L	6707	4645	9421	7071	5834	6287
MAN2B1	7622	3898	9249	7045	5826	4832
KCNN4	523	263	451	288	524	446
TULP2	3	3	3	2	2	2
NUCB1	3771	2291	4442	3247	2981	2535
DHDH	4	0	15	3	2	0
GYS1	1597	903	2219	1754	1090	1282
MAP4K1	2825	1461	3757	2969	2079	2171
CGB2	0	0	0	0	0	0
ECH1	1189	469	1371	1424	685	920
HNRNPL	10160	7777	16314	13463	8673	7750
NFKBIB	424	540	850	570	410	403
LHB	0	0	8	2	0	5
CGB3	0	0	0	0	0	0
TUBB4A	42	34	97	103	40	64
SARS2	298	183	345	281	235	219
KCNA7	0	0	0	0	0	0
SNRNP70	9903	5640	12012	8990	5665	7173

CLPTM1	1810	1133	2505	1989	1360	1360
RELB	830	1267	1898	920	852	474
CLASRP	2102	1433	2897	1966	1354	1468
LIN7B	54	33	92	90	38	38
PPP1R37	1003	609	1223	909	597	762
FCGRT	3894	2844	5323	3842	3218	3055
PIH1D1	1126	729	1251	1117	996	965
CKM	0	0	6	0	0	4
ARHGEF18	10260	6169	12366	8926	6305	8624
PPP1R13L	168	67	135	110	84	87
PEX11G	16	20	25	32	34	8
ERCC2	679	399	732	699	415	486
DOT1L	3088	1653	3846	2823	1643	1869
PLEKHJ1	480	497	570	386	251	249
SLC17A7	0	2	4	0	4	0
RNASEH2A	191	159	220	218	100	189
KLC3	4	2	7	0	0	3
CD37	6154	3561	7119	5135	3822	4165
SF3A2	1318	872	1947	1489	920	1028
AMH	25	15	56	20	25	4
DKKL1	0	0	0	0	0	0
LYL1	1051	575	1219	789	715	678
OAZ1	14913	9899	21077	14332	13382	10762
TRMT1	936	534	901	896	534	541
STX10	780	512	1125	726	563	759
RETN	232	18	86	138	44	217
FCER2	560	392	515	306	240	207
DMPK	682	420	1146	937	447	562
CLEC4M	0	0	0	0	0	0
RSPH6A	29	0	12	4	7	12
TBC1D17	1265	813	1821	1545	923	1079
IL4I1	105	103	154	111	50	63
TLE6	0	0	17	8	4	6
CCDC130	1255	545	1209	955	510	694
PTOV1	1158	910	1526	1032	789	934
AES	5860	2221	6936	5319	2929	3882
NOVA2	0	0	0	0	0	0
SGTA	834	550	1269	791	616	526
LILRB1	2906	1228	3445	2548	2369	2075
MED25	1839	2082	2757	1946	1387	1419
LILRA1	1694	1648	2438	1479	2212	2472
SNAPC2	310	122	370	171	194	203
C19orf53	99	79	155	122	40	86
TIMM44	673	513	1170	774	561	618
CCDC61	558	264	588	494	266	370
IL27RA	3309	1892	4718	3373	2295	2410
ASF1B	257	213	329	186	143	200
TNNT1	0	2	46	7	63	34
VRK3	2181	1571	3139	2312	1320	1660
FAM32A	1685	945	2245	1817	1393	1226
PPP6R1	7716	4719	10426	7869	5309	5664
C19orf44	139	62	166	109	65	85
MED26	410	213	902	224	404	491
OLFM2	133	59	96	109	37	126
RASAL3	4990	2471	8658	5979	2715	3437
AKAP8	2225	1621	3597	2954	1009	1803
EPHX3	19	20	13	10	6	11
ILVBL	710	522	1205	956	564	565

ZNF419	391	349	299	386	318	600
SYDE1	6	5	11	6	0	3
CASP14	0	0	0	0	0	0
SLC1A6	0	3	0	0	2	0
AURKC	36	15	39	26	40	16
POP4	709	334	854	741	455	496
CCNE1	105	53	121	69	58	43
URI1	4171	1911	3931	3520	1898	2856
PDCD5	574	426	747	578	395	544
ANKRD27	2876	1549	3551	3024	1864	2064
RPS16	7471	5089	8270	7033	4619	5030
TIMM50	1040	643	1098	1177	784	776
LGALS13	0	0	0	0	0	0
FBL	2050	1227	2064	2118	1226	1555
DYRK1B	464	369	644	592	327	418
CLC	942	814	1994	1908	340	801
CNTD2	15	10	18	24	19	12
GPI	4163	2313	5364	4049	3255	3557
AKT2	5591	3615	7884	5455	4545	4239
PLD3	1833	756	1827	1416	967	1161
PRX	147	159	285	246	101	109
PIAS4	742	593	1099	768	494	703
NUMBL	317	184	410	317	178	255
EBI3	23	13	4	22	27	16
YJU2	448	340	672	418	335	342
SHD	22	4	10	38	2	26
TBCB	1018	462	1196	1001	560	699
FSD1	68	76	118	108	38	66
POLR2I	78	38	51	94	36	67
OVOL3	0	0	0	0	0	0
CLIP3	19	24	28	41	7	35
ZFR2	42	24	31	45	36	8
SLC1A5	1577	1036	2627	2107	1273	1425
PRKD2	5045	3414	5891	4904	2999	3166
TJP3	173	65	213	218	90	169
APLP1	2	0	2	0	0	1
CACTIN	935	601	1266	1000	639	682
CCDC9	586	651	1056	666	537	443
HNRNPUL	6960	4651	8941	8148	5128	5052
FZR1	2258	1577	2869	2277	1485	1652
BBC3	257	293	454	154	267	156
TGFB1	9352	7024	14572	10522	10647	7031
DENND3	8755	11295	20782	9146	7629	5524
DMAC2	676	390	890	944	323	288
CEACAM4	281	440	618	229	256	213
PLIN3	1478	959	2270	648	1131	1043
MYH14	0	0	0	0	0	0
MRPL4	434	240	598	437	266	293
SIGLEC8	5	6	0	6	2	0
CD79A	1695	946	1677	952	1016	807
LIM2	23	14	56	10	6	25
ICAM4	69	66	103	63	71	37
RPS19	14320	10673	21974	19469	11731	14239
NOP53	5997	3989	5707	5572	2992	4269
NKG7	5249	2678	10581	7993	2893	3239
ICAM5	50	34	54	49	68	41
ETFB	933	502	1030	1345	547	665
CD33	1998	553	1716	1380	868	1713

CEACAM5	0	0	0	0	0	0
CRX	0	0	0	0	0	0
BABAM1	1197	759	1646	1449	995	1140
TYK2	8183	5213	12235	8434	5536	5621
SULT2A1	0	0	0	0	0	0
CDC37	1695	1213	2075	1812	1069	851
NAPA	2020	1699	4126	2242	1983	1430
RABAC1	514	372	567	711	316	447
ATP1A3	296	183	532	409	175	226
MEIS3	0	0	10	0	0	5
PTPRS	319	615	778	818	1355	457
CNFN	10	3	0	0	0	4
ZNRF4	0	0	0	0	0	0
MEGF8	1428	807	1897	1215	857	654
KDELR1	1746	939	2035	1619	1231	1148
CYTH2	938	687	1531	655	870	935
GRWD1	1013	623	1361	1087	844	886
GRIN2D	39	25	19	32	19	22
SYNGR4	0	0	0	0	0	0
CLEC11A	98	22	122	82	45	51
CCDC114	42	28	34	55	31	22
CARD8	10181	5140	9185	8327	4743	7156
LIG1	1392	969	1703	1316	869	1318
SIGLEC6	157	114	191	142	168	170
ZNF175	897	428	757	897	540	734
PLA2G4C	478	323	213	132	97	292
SIGLEC5	468	643	1408	664	853	685
CABP5	126	117	223	154	101	129
HAS1	0	0	0	5	4	2
RAB3D	6574	5928	11041	6837	4401	5135
DBP	644	347	799	611	558	636
TMEM205	274	160	401	248	198	204
CAPS	2219	1274	2483	2031	1216	1480
PLPPR2	946	817	1702	795	666	699
FAM83E	7	6	5	5	17	16
RASIP1	9	2	0	0	0	3
THEG	0	0	0	0	0	0
FGF21	0	0	0	0	0	0
BCAT2	431	184	543	402	223	345
MIER2	810	459	969	770	668	649
PLEKHA4	26	19	61	40	27	18
PPP2R1A	4088	2498	5846	5583	2946	2987
TNPO2	2141	1344	3079	2173	1735	1754
WDR83OS	163	81	238	165	116	74
CACNG7	0	0	0	0	0	0
GCDH	713	451	921	762	591	570
LILRB5	14	4	19	8	4	59
KLF1	6	3	8	0	6	8
DNASE2	986	532	1497	1076	793	712
MAST1	11	4	29	12	13	1
LENG1	119	82	166	169	83	103
PRPF31	1332	760	1695	1426	872	1079
TFPT	148	80	119	128	83	93
JAK3	13678	9909	16983	14068	7338	10896
RPL18A	9449	5352	11316	8721	6780	7128
SLC5A5	54	24	66	61	29	66
KCNN1	0	0	0	0	0	0
ARRDC2	3826	3522	5353	3896	2907	2843

PIK3R2	658	308	837	615	41	387
RAB3A	94	34	161	64	44	70
PDE4C	0	0	0	0	0	0
ISYNA1	378	229	509	386	245	288
ELL	1954	2126	3455	2234	1567	1424
CRTC1	1975	499	2372	1668	1296	1366
COMP	0	0	0	0	0	2
UPK1A	1	1	2	0	5	3
COPE	2212	1305	3162	2504	1448	1425
DDX49	737	429	1023	690	404	544
ETV2	0	2	3	3	8	2
ATP4A	0	0	0	0	0	0
ARMC6	942	345	1030	715	545	327
TMEM147	374	210	468	407	261	272
GAPDHS	7	0	8	0	3	12
MAG	9	0	6	6	6	0
TMEM59L	0	0	0	0	0	0
HAMP	33	10	22	32	24	28
USF2	3201	2162	4361	3241	2301	2152
LSR	261	173	323	252	185	234
KXD1	1279	678	1489	1176	841	985
FKBP8	4090	2809	5772	3856	3372	3220
SUGP1	884	592	1283	926	535	697
HPN	22	3	0	13	6	2
ZNF14	1410	1027	2039	1524	1015	1137
SCN1B	95	150	135	60	177	67
PBX4	446	190	467	304	157	303
ERF	565	791	1170	659	448	600
GSK3A	1343	920	1933	1588	1041	1167
ATP13A1	3168	1546	3672	2910	2069	2239
ZNF574	418	353	605	508	250	384
GRIK5	22	22	25	33	6	10
SIPA1L3	4266	2228	4530	3301	2555	2533
ZNF85	194	76	259	229	137	163
ETHE1	432	263	539	503	221	385
CADM4	20	24	58	50	32	32
SMG9	1525	826	1938	1296	1185	1074
AVL9	9568	3917	9194	9088	5886	5663
RUNDC3B	14	9	28	15	3	19
CFAP69	13	7	8	5	1	0
GTPBP10	927	373	667	695	634	497
RASA4	1113	880	3503	1971	1827	1037
CDK6	7567	3577	5748	7571	4860	4970
PMPCB	2771	1754	4140	3378	2279	2348
DNAJC2	1206	893	1673	1550	780	990
TFPI2	5	0	9	0	5	10
BET1	1205	557	1457	929	743	792
NAMPT	19237	73435	73521	22365	14810	10226
TWISTNB	1135	861	1669	1454	885	799
PIK3CG	7701	4360	9695	8121	6069	5649
PON3	1	2	0	0	3	2
PON2	462	212	502	431	341	423
ITGB8	100	167	205	212	68	182
HBP1	7075	5708	11667	7600	5789	5416
DUS4L	452	235	525	361	300	314
SP4	4952	2546	5216	4999	2694	3467
WDR91	1664	999	2147	1890	1314	1242
DNAH11	29	8	17	14	4	21

CBLL1	782	1173	2824	1914	534	1980
DLX5	0	0	0	0	0	0
MTPN	22113	17276	32801	23895	36011	19144
STEAP1B	325	138	212	82	131	118
PTN	0	0	0	0	0	0
MPP6	2103	1045	1180	1093	676	1656
GSDME	31	28	44	68	31	30
ATP6V0A4	0	0	0	0	0	0
ZC3HAV1	18014	10653	20677	18106	11248	14008
TTC26	97	57	91	128	68	75
OGDH	6253	3013	6930	6047	4404	4636
NPVF	0	0	0	0	0	0
ADAP1	2313	1307	2781	2767	1527	1252
TFEC	3115	1645	3132	3678	3037	3047
H2AFV	5724	3206	7530	6123	4352	4595
CAV2	23	65	30	92	89	53
CAV1	32	6	17	18	9	9
MET	10	0	8	2	14	5
RNF32	17	34	34	22	15	24
LMBR1	3080	1838	4113	3256	3361	2820
WNT2	0	0	0	0	0	0
HOXA1	48	11	35	46	27	12
DNAJB6	7261	7314	11292	8960	6722	4801
HOXA2	1	0	8	6	2	0
HOXA3	16	4	9	10	4	12
LFNG	7682	3265	9060	7131	4426	5516
HOXA5	6	11	6	12	16	5
HOXA6	0	0	4	3	0	7
BRAT1	1625	984	2832	1702	1281	1335
IQCE	982	413	660	441	458	565
ANKRD7	0	0	6	5	3	7
VIPR2	155	50	105	131	70	26
TSPAN12	2	0	0	0	0	2
SSBP1	1699	925	2124	1970	1297	1311
HOXA13	0	0	0	3	0	0
CPED1	1963	468	812	1424	926	903
EVX1	0	0	0	0	0	3
HIBADH	832	439	853	775	537	604
TAX1BP1	6659	4443	8805	7162	4170	4811
CPVL	7467	2573	8551	7046	5994	5127
CHN2	2230	801	1428	2212	1451	1105
GRB10	413	334	611	338	285	290
ABHD11	169	119	307	150	154	175
COBL	6	5	11	10	25	27
FKBP14	473	271	560	250	411	363
PLEKHA8	1781	1063	2350	2151	1376	1671
STX1A	106	99	172	124	125	124
NOD1	1796	988	2645	2075	1174	1303
GARS	1838	1266	2602	1944	1426	1476
CRHR2	5	0	5	0	1	0
EPHB6	1264	817	1414	1003	776	784
MINDY4	92	8	145	94	28	29
GHRHR	0	0	0	0	0	0
CASP2	3587	2243	4577	3580	1787	2954
CHCHD2	3328	2027	4639	4203	2531	2217
CCL24	0	0	0	0	0	0
HSPB1	196	197	228	144	173	167
NPTX2	2	9	4	9	13	6

PDAP1	994	657	1342	1041	626	779
BUD31	756	601	1017	971	460	525
PTCD1	565	315	706	687	447	496
CYP3A5	12	0	10	8	2	0
ZKSCAN1	1873	3987	7283	7364	4672	5907
EIF3B	4948	2774	6435	5588	3159	3967
SNX8	759	391	709	590	586	425
NUDT1	124	83	153	137	90	85
PTPRZ1	0	0	0	0	0	0
TAF6	989	564	1159	1039	582	775
WASL	2099	1006	2226	1631	1087	1570
HYAL4	0	2	0	0	9	0
SPAM1	0	0	0	0	0	0
AIMP2	396	188	399	360	238	280
TFR2	117	47	180	135	62	71
FSCN3	55	22	34	31	14	36
MOSPD3	81	80	116	112	56	92
PAX4	0	0	0	0	0	0
PCOLCE	124	41	106	79	61	37
FBXO24	33	22	45	37	29	7
PPP1R17	35	14	27	31	29	26
RBM28	4961	2306	5352	4676	2823	3756
USP42	1937	1553	2695	2253	1367	1633
IMPDH1	3049	2957	6308	3286	2542	2767
AGFG2	1495	667	947	872	729	700
LSM5	457	196	456	479	182	352
SERPINE1	145	82	136	84	369	56
AP1S1	260	171	333	364	196	176
MOGAT3	3	0	0	0	1	0
C1GALT1	6153	3250	6343	5190	3408	4579
PLOD3	891	699	1457	1195	741	826
RPA3	408	219	467	393	213	275
ZNHIT1	1313	930	1874	1487	1005	1044
CLDN15	696	484	982	683	307	645
NOBOX	0	0	0	0	0	0
GLCCI1	1693	1156	2220	2145	1251	1660
MYL10	0	0	0	0	0	0
PHF14	2467	1395	3117	2304	1317	2079
NRF1	1868	1100	1914	1937	1117	1205
TMEM106I	5531	2403	4705	4649	2218	4108
EZH2	785	558	1359	809	728	621
CEP41	724	304	692	500	351	418
ZNF862	3076	1748	3443	3235	2021	2393
SFRP4	0	0	0	0	0	0
MEST	516	231	495	394	754	319
MEOX2	0	0	0	0	0	0
ANKMY2	985	549	1124	1109	628	779
ACTR3C	640	268	812	669	384	510
POU6F2	0	4	0	0	0	0
TSPAN13	647	487	682	456	617	391
RARRES2	0	0	0	2	0	2
AGR2	5	0	0	5	0	0
AHR	6765	4621	11432	12258	6932	7693
CHCHD3	1530	780	1637	1539	1059	1027
GIMAP2	4234	1604	3385	3253	1758	2843
TMEM176I	305	1010	539	330	328	154
GLI3	46	38	47	127	19	22
PSMA2	2043	1340	2552	2254	1922	1404

MRPL32	1032	794	1234	1346	875	1070
COA1	4775	2369	5203	4189	3071	3270
BLVRA	905	374	1104	718	739	621
URGCP	1434	784	1746	1401	826	1169
TMEM248	7162	3651	8533	6844	4863	4905
RHEB	848	763	1938	1215	1109	967
PRKAG2	2516	1625	3676	2973	2310	2088
AEBP1	351	167	384	248	272	193
POLD2	426	289	476	399	260	308
MYL7	0	0	0	0	0	0
GCK	0	4	2	0	4	0
BCL7B	920	816	1963	1046	667	647
YKT6	1135	1807	3297	2836	1649	943
TBL2	554	319	879	606	435	610
GALNTL5	0	0	0	0	0	0
CLIP2	797	481	799	993	1076	549
EIF4H	9098	5905	13110	10946	7108	6756
LIMK1	1510	894	1920	1358	982	1092
SPATA6L	99	68	133	155	69	101
SLC1A1	23	6	15	7	5	4
LHX2	0	0	0	0	0	0
FKTN	1701	415	872	891	796	454
FSD1L	792	146	391	258	519	634
CNTNAP3	135	1478	613	33	20	17
SPIN1	649	560	650	1205	933	2293
NMRK1	1545	1285	1595	1275	1017	1643
TMEM245	7449	3493	6747	5342	4054	4606
PRUNE2	62	36	373	79	87	33
MEGF9	12310	12275	22777	13552	11465	11996
TRIM14	4803	2173	5796	4569	2688	3356
CORO2A	857	555	1234	884	750	810
TGFBR1	10810	1878	11393	4516	5367	2340
SEC61B	606	438	864	772	481	430
C5	520	346	627	354	399	559
OGN	8	2	4	8	2	13
ASPN	0	0	0	0	6	0
ECM2	4	4	7	8	0	0
TLE4	5624	3866	7724	5887	3732	3918
LHX6	0	5	0	6	0	0
PTGR1	25	5	12	8	6	11
SUSD1	3104	1719	4398	4106	3979	2606
AMBP	0	0	0	0	0	0
AKNA	30430	19172	39356	39625	25243	22156
TNFSF8	2255	1348	2631	2019	1706	2072
DNM1	250	122	229	136	282	129
ENG	881	323	954	862	960	539
AK1	151	101	341	183	87	293
CDC37L1	945	479	784	889	470	683
RLN2	13	17	7	23	13	14
RLN1	22	8	22	38	26	29
PLGRKT	390	198	405	349	217	333
TBC1D13	1669	1212	2563	2291	1558	1536
RIC1	8101	3711	8616	8024	6416	6311
KDM4C	10285	4927	10989	9398	6302	7300
DOCK8	43948	22402	48948	38040	21827	26722
KANK1	819	125	192	648	152	328
ELAVL2	0	0	0	0	0	0
NCS1	34	21	16	62	14	15

TESK1	851	518	955	855	421	563
KCNT1	25	8	7	42	10	21
CA9	0	0	0	0	0	0
FUBP3	2154	1048	2228	2215	1291	1578
TYRP1	0	0	0	0	0	0
CREB3	537	405	511	602	371	391
RGP1	3657	2142	4278	3477	2194	2888
MPDZ	0	8	2	0	0	3
LHX3	12	2	1	2	13	4
DDX58	4953	2926	6434	4841	2404	3294
EDF1	790	455	883	658	374	617
PIP5K1B	501	375	668	419	461	340
GLIS3	284	42	107	183	127	96
BAG1	1579	1538	3022	1850	1645	1175
RAPGEF1	11637	6701	15096	12304	8601	7233
NPDC1	223	139	304	333	215	323
APBA1	201	86	143	168	116	159
SETX	36645	19307	41104	32242	20976	26620
SH3GL2	0	0	0	0	0	0
PTGDS	587	366	689	1029	357	326
ABCA2	6665	4220	9261	9567	4359	4817
SHB	12	20	39	37	19	7
UBE2R2	4485	3063	5069	3648	2803	3228
ABHD17B	1708	836	1582	1601	899	939
EXOSC3	1183	638	1290	1073	651	839
ZFAND5	11271	6491	13146	10657	7331	9092
DVL1	882	576	1280	944	562	689
PDLIM1	1214	1212	1800	1193	3116	1001
CCNJ	685	574	1500	1032	760	601
DNTT	13	4	2	2	0	6
GATA3	1013	666	706	678	515	641
ATRNL1	26	13	40	11	14	6
HPS1	3124	1573	3677	3098	2027	2317
PHYH	260	116	278	245	181	227
RASSF4	5211	2713	6070	3296	3824	2698
DNMBP	1833	1000	2104	1390	1152	1123
RAB11FIP2	1612	960	1872	1599	1073	2108
CXCL12	9	0	8	0	0	0
ERLIN1	1369	731	1491	1396	735	1140
EIF3A	12476	7126	15669	13090	8126	10139
PKD2L1	2	0	4	1	0	0
CUBN	3082	598	1625	2034	642	1735
TRDMT1	3300	1299	2793	2692	1378	2418
DDX50	1883	1233	2355	2063	1321	1549
MAPK8	2013	1407	2502	2169	1473	2580
SEC23IP	4408	1927	4192	3663	2259	3122
ATE1	3112	1496	4313	3570	2081	1601
NSMCE4A	2038	824	2125	2086	1073	1535
PLEKHA1	9829	4259	9571	9326	4160	6737
PALD1	22	37	49	69	114	49
UNC5B	27	30	109	48	38	10
CDH23	2368	938	2598	1818	1489	1572
VSIR	17525	14711	23840	14609	12198	12521
SPOCK2	18116	9950	7721	20295	11607	6032
MICU1	2198	1274	2509	1961	1808	1664
PPP3CB	5900	2753	6099	5350	3456	4312
CCSER2	9040	4830	12774	10529	6612	6936
BMPR1A	730	577	1059	1129	437	845

MINPP1	627	245	575	547	270	416
ACTA2	123	131	361	134	140	165
LIPA	9523	3549	10607	6248	6981	4647
TLX1	0	0	0	4	0	0
TWNK	414	181	390	323	202	232
LZTS2	761	564	1142	684	438	735
SFXN3	1727	1141	2888	2227	1361	1440
KAZALD1	2	4	8	0	3	6
FBXW4	2191	1145	3025	2254	1508	1653
FGF8	5	0	0	0	4	2
NPM3	129	55	83	81	46	48
TNKS2	9792	5663	12318	10753	6862	8548
PITX3	0	0	0	0	0	2
GBF1	5142	3087	6475	5355	3625	3636
ARHGAP21	3831	1902	5389	3509	3990	2010
CPEB3	925	481	1285	1060	814	722
FBXL15	430	224	594	486	291	343
CUEDC2	551	291	626	531	351	399
SUFU	1958	966	2254	1596	1195	1388
ANKRD26	1369	680	1326	1174	512	1098
ACBD5	3324	1640	3784	3250	2053	2603
LHPP	771	278	587	562	351	414
LARP4B	10084	5351	11028	9450	7000	7389
GTPBP4	2035	1250	2811	2289	1384	1525
EDRF1	3401	1826	4261	3545	2101	2516
BCCIP	1353	882	1544	1408	827	1036
MTPAP	2240	1171	2642	2195	1403	1577
NEURL1	789	230	591	660	581	409
SH3PXD2A	1829	911	1258	2221	802	863
PITRM1	3054	1708	3553	2981	1726	2457
STN1	1021	663	1184	1158	527	853
MAP3K8	3213	1913	3003	3212	1931	1755
DKK1	16	0	3	0	6	0
EBF3	0	0	2	2	0	0
GLRX3	2300	1180	2783	2314	1605	1785
SORCS1	0	0	0	0	0	0
FAM208B	9323	4959	10840	9203	5633	6936
XPNPEP1	3028	1864	4599	3746	3171	2508
SMC3	3057	1815	3404	2839	1773	2398
SHOC2	6864	4200	5122	6437	5719	5298
TFAM	2922	1726	3921	3318	1854	2529
CCDC6	5228	2874	6067	5098	4096	4178
CUL2	2876	1409	3431	2988	1821	1751
CCNY	7090	5069	9175	7416	6500	5310
UBE2S	243	283	452	249	144	100
RPL28	8350	5288	9304	7725	5935	6650
ZMIZ1	5861	4675	8033	5656	5357	4299
DNAJC12	0	6	0	5	4	0
PPIF	1475	3893	5750	1500	2163	884
PBLD	241	139	247	170	149	201
TSPAN14	4185	1889	4700	3543	2127	2555
LGI1	0	0	0	0	0	0
TBC1D12	904	314	735	981	629	540
CYP2C18	0	0	0	0	2	2
KRT23	205	1310	464	124	61	20
CRYBA1	0	0	0	0	0	0
NUFIP2	20690	12832	25708	19955	13246	16541
GIT1	1571	906	2392	1671	1244	1132

RPL19	18107	10158	17705	14735	8990	12619
FBXL20	6289	4404	7567	5674	4263	4556
RUNDC3A	0	6	12	3	6	23
UBTF	4742	2432	5658	5083	2835	3663
CSF3	0	0	0	0	0	0
PSMD3	1988	1175	2784	2346	1378	1575
CASC3	5131	3884	7885	5606	3998	4232
RAPGEFL1	145	144	229	260	188	120
RGS9	424	269	838	1007	285	425
RNF43	176	65	232	186	98	143
WNT3	28	24	10	13	27	45
ASPA	0	0	0	0	0	0
RAD51C	464	214	437	338	262	353
4-Sep	48	46	142	84	85	62
MTMR4	5062	2920	6650	4891	3372	3746
TRIM37	1760	933	1862	1772	1094	1388
P2RX1	2065	1694	3500	1942	1975	1457
DHX40	2607	2062	3760	2867	2058	2241
KRT37	0	0	0	0	0	0
TUBD1	790	310	770	602	337	590
KPNB1	8243	7884	11681	8257	5868	6466
GOSR2	3457	1259	2985	2815	1141	1813
PNPO	836	318	732	1133	411	505
RPS6KB1	2982	2338	4536	3243	2057	2069
TRIM16L	113	54	73	76	96	55
CDK5RAP3	3117	2253	4057	3418	2013	2575
CBX1	1302	817	1613	1354	680	1185
RECQL5	1487	753	1529	1370	926	1357
PIGL	1278	568	1390	1265	845	1023
GALK1	279	215	420	337	190	181
INTS2	2719	1180	2854	2517	1659	1842
CAMTA2	2688	1493	2980	2416	1664	1962
MED13	18435	10577	21786	18109	12226	13605
HOXB6	2	0	2	2	0	0
ENO3	432	254	472	431	239	320
PFN1	15364	6993	23094	18911	8710	12071
RNF167	1834	1165	2603	1928	1075	1501
SLC25A11	1608	817	1942	1633	1062	1175
RASD1	20	12	33	20	23	12
CHRNE	174	104	298	305	55	195
RAI1	2230	1159	3511	2568	1915	1774
NUP88	2288	1436	2632	2112	1356	1556
C1QBP	1655	725	1619	1486	839	1093
SLC6A4	247	273	387	188	716	144
BLMH	1655	775	1972	1554	945	1353
CPD	9088	9541	15578	10821	7205	7469
GOSR1	3762	2171	4474	4035	2556	3015
CCDC47	2069	1306	2793	2076	1607	1564
MED31	515	231	495	518	232	390
DRG2	2042	1204	3115	2558	1615	1523
FTSJ3	1208	851	1645	1328	864	1041
AKAP10	4389	2531	4996	4254	2705	3336
ALDH3A1	0	2	0	0	0	0
SMARCD2	2454	1882	3494	2885	1958	1920
ICAM2	1971	896	2100	1759	943	1295
SYNGR2	2915	1813	4180	3024	2434	2226
B9D1	80	41	85	70	47	22
UTP6	2573	1251	2787	2338	1360	1769

DDX5	38635	22537	47931	43735	25049	27398
C17orf75	707	300	642	593	353	576
CYTH1	23990	14100	29895	24125	14899	15915
PSMD11	1921	1397	2967	3016	2105	2580
LGALS3BP	619	240	509	714	395	354
ASIC2	0	0	0	0	0	0
CCL7	0	0	0	2	0	0
CCL2	12	14	10	36	20	28
CCL8	0	0	7	6	9	0
CCL1	0	0	0	0	0	0
PEX12	188	94	135	164	62	142
KRT32	0	0	0	0	0	0
DHX58	1198	564	1295	1144	657	840
KAT2A	1433	853	1914	1340	1176	886
RAB5C	1480	1462	2282	2001	1155	993
NAGLU	748	453	1006	799	622	509
HSD17B1	92	49	40	89	63	19
MLX	2624	1332	2867	2512	1536	1934
CNTNAP1	187	128	331	176	127	328
ABI3	1812	698	1940	1684	1465	1176
EZH1	4855	3241	6617	4644	3464	3663
DLX4	19	10	19	15	31	28
PPP1R9B	9055	6054	12653	9173	6546	6700
COL1A1	0	9	2	0	0	0
SGCA	2	9	18	5	4	24
PTGES3L-A	4	3	167	9	5	1
MRPL27	412	334	618	699	386	326
VAT1	1307	855	1465	1417	937	963
LRRC59	1907	1330	2970	2165	1545	1436
RND2	16	2	5	5	6	8
ALOX12	442	636	985	443	1933	464
HDAC5	2871	2287	4204	2584	2291	2007
ABCC3	1230	992	2370	1915	2738	1267
LUC7L3	12897	6431	15501	11322	7547	8859
PPY	0	0	0	0	0	0
MPP2	61	23	67	86	41	60
SMURF2	3442	1692	3731	3185	1545	2224
DUSP3	449	897	1854	371	1817	1314
CACNG1	2	0	0	0	0	0
EFTUD2	5335	2851	6676	5800	4106	4165
HLF	105	55	64	94	91	115
SLC16A6	1681	891	1828	1331	891	1128
PRKAR1A	4379	5030	6072	4007	3370	4996
EFNB3	0	2	0	0	0	0
FAM20A	54	4	42	16	21	31
YWHAE	4293	2564	4359	3896	4698	3344
MMD	3382	3521	6923	4992	8036	3426
RANGRF	359	234	574	428	233	277
DPH1	1275	808	1635	1368	769	974
MAP2K6	1073	2282	5079	1326	2318	3942
DHRS7B	710	379	656	625	314	449
WSB1	11263	7675	14793	11305	8355	8540
RCVRN	42	28	43	38	29	9
MYH1	0	0	0	0	0	0
SLC9A3R1	3362	2227	6070	3940	2542	2944
MYH3	442	98	318	278	111	207
NAT9	788	438	977	843	449	546
TMEM104	1214	691	1673	1475	1180	859

VTN	11	8	13	13	14	2
TNFAIP1	787	497	979	827	502	804
IFT20	593	469	830	799	449	503
TMEM97	185	119	201	213	67	148
CDR2L	8	18	28	28	20	13
PMP22	9	22	39	24	25	7
FOXN1	0	0	0	0	0	0
UNC119	1593	1612	2875	1848	1370	1455
ALDOC	394	249	661	538	238	328
SUPT6H	5885	3567	7613	5151	3972	4381
RAB34	337	96	359	281	255	214
PHF12	4390	3519	6125	4796	3129	3372
PHOX2B	0	0	0	0	0	0
TMEM33	1690	1383	2570	1554	1022	3817
GABRA4	0	0	0	0	0	5
GNRHR	3	0	2	2	0	2
SLAIN2	4963	2782	5744	4667	3156	3628
OCIAD1	2589	1396	3497	3867	1842	2963
UGT2B10	0	0	0	0	0	0
CWH43	0	0	0	0	0	0
DCUN1D4	1256	715	1223	2072	1229	1653
USP46	1436	563	1550	1724	1076	1310
SULT1E1	0	0	0	0	0	0
ODAM	0	0	0	0	0	0
SMR3A	0	0	0	0	0	0
CHIC2	1396	925	1734	1343	864	988
NMU	0	0	0	0	0	0
KIAA1211	77	74	41	44	161	29
LAMTOR3	2025	998	1954	1724	1631	1434
PF4V1	243	328	491	51	1484	150
NFKB1	6820	4437	8926	6161	4239	4908
AREG	88	78	64	249	53	22
MANBA	6928	4075	9279	6844	5947	5590
UBE2D3	14823	10605	19809	14384	10353	11110
MAPK10	28	18	80	33	133	50
ELF2	5091	2928	5748	5482	4105	3819
NDUFC1	215	119	285	296	161	184
UCP1	0	0	0	0	0	0
TBC1D9	5828	2627	5952	4845	4838	3797
ZNF330	1262	736	1395	1297	903	1072
INPP4B	8208	3596	7465	7234	4179	7972
GAB1	1759	1292	1982	1348	1162	1191
KLHL2	1848	1460	2235	1825	1156	1307
IL2	0	2	4	5	9	9
CPE	6	0	0	0	0	0
RPL34	15975	9141	17378	16065	9768	12422
WFS1	104	43	132	129	26	109
ANXA10	0	0	0	0	0	0
GRPEL1	1014	738	1612	1257	716	501
GAR1	307	183	327	282	169	261
FRG1	360	274	493	419	247	296
CLCN3	6335	2992	8112	6406	9174	4946
AADAT	0	0	0	0	0	0
GALNT7	1735	1446	2165	1876	1088	1534
DHX15	11555	6666	14196	12526	8020	9091
SOD3	0	0	3	0	0	0
SEPSECS	2324	1056	2444	2095	1519	1754
CPZ	0	0	0	0	0	0

TRIM2	258	129	345	250	136	220
SLC2A9	608	314	1048	861	620	520
FBXW7	5433	3650	7446	6388	3779	4331
NEIL3	68	76	105	56	59	57
TBC1D19	982	469	1366	1058	501	748
CLNK	91	42	108	54	99	87
NSD2	2343	1192	2225	1734	1398	1517
SH3D19	51	57	115	60	53	51
STIM2	2521	1509	2877	3042	1453	1722
NKX3-2	0	3	0	0	0	0
MFSD10	1054	687	2046	1262	784	713
GLRB	0	0	0	8	13	5
BST1	1886	1308	2736	1747	1455	1503
RAPGEF2	3869	4332	6266	4201	2925	3093
HGFAC	2	0	0	8	2	0
SNX25	1341	679	1656	1091	843	913
LRP2BP	138	88	92	100	86	53
UFSP2	721	392	872	504	462	688
KLF3	16554	8506	16026	14102	9048	9728
KLHL5	2536	1732	3248	2280	2735	2614
FAM149A	3	8	14	34	7	18
NCAPG	123	74	124	58	56	81
UGDH	661	384	806	628	418	462
PPARGC1A	0	11	6	16	5	69
DDX25	10	0	3	11	14	1
CRYAB	0	0	0	0	0	0
DBX1	0	0	0	0	0	0
HTATIP2	1165	558	1319	1029	763	657
CTSC	11681	5640	14198	13927	9120	9765
CCDC34	31	26	15	24	8	26
ZBTB16	1621	1156	1401	2298	923	1284
ELP4	3925	2074	4269	3882	2249	2840
ZPR1	2342	1955	4236	3530	2293	2117
MTCH2	1749	729	2124	1782	1065	1305
FNBP4	9021	4978	10659	7979	5483	7164
TECTA	67	60	84	96	59	41
SC5D	671	755	678	633	721	480
CRTAM	392	108	294	362	121	376
JHY	216	103	150	182	116	132
B3GAT1	1443	526	1938	2532	812	935
HSPA8	19193	9821	26129	22551	12142	14569
P2RX3	0	0	0	0	0	0
VWA5A	448	346	680	539	469	373
DNAJC4	513	299	583	511	364	366
SIAE	487	474	700	551	772	481
SNX15	508	366	961	730	499	380
LPXN	2704	2104	3652	2877	1833	3286
DTX4	151	95	343	262	194	88
ATG2A	3331	4337	7242	3998	3181	2112
EHD1	3431	4887	6223	4013	2715	3447
OSBP	3963	2700	5141	4305	2834	2980
UNC93B1	2389	1895	3982	2615	2300	2280
PUS3	220	100	260	206	77	147
DCPS	669	319	704	649	436	435
KMT5B	3737	2810	3237	2814	2020	2773
FOXRED1	676	387	932	741	584	479
PPP6R3	8000	5470	9485	10874	6216	5900
NRXN2	38	5	56	21	26	11

MS4A6A	6545	2597	5867	6681	4613	5330
MS4A4A	218	79	174	200	98	162
ST3GAL4	557	478	920	860	499	297
CPT1A	5464	4491	5233	7675	5703	6777
CCND1	79	99	106	51	120	55
CCDC86	334	276	482	411	236	239
PRPF19	2234	1140	2780	2495	1571	1670
TMEM109	1686	937	2553	2134	1315	1298
CCKBR	0	0	0	0	0	0
HPX	22	12	21	34	22	23
TRIM3	418	272	809	453	327	308
CHORDC1	4951	4316	9676	5389	3250	3363
FOLR1	0	0	0	0	0	0
ANAPC15	267	153	246	239	160	149
FOLR3	118	72	64	90	21	106
PANX1	1184	824	1705	1155	1605	828
ARHGEF17	40	36	82	45	56	56
APOA5	0	0	0	0	0	0
APOA4	0	0	0	0	0	0
APOC3	0	0	0	0	0	0
CEP164	2322	1159	2984	2076	1632	1735
RNF141	4724	2628	4288	2718	2432	2534
CEP126	620	254	607	593	262	366
EIF4G2	19449	14265	27520	21342	16519	15617
IL10RA	23753	6701	24696	25205	9223	13665
GALNT18	8	7	6	12	2	4
BIRC2	3719	4001	3341	3364	4665	2423
UBE4A	9425	5412	11584	9076	6006	7512
DDX6	26711	16067	35271	29165	17026	19541
UPK2	9	0	17	8	5	8
CBL	21088	12396	23022	19854	13726	15116
NECTIN1	466	310	1753	467	347	436
HIPK3	17838	10631	19218	17289	12400	12853
KIAA1549L	0	0	0	0	0	0
FBXO3	5715	4362	9731	7710	5038	4868
PDHX	1080	544	1447	1009	542	680
SLC1A2	3	3	27	7	14	0
COMMD9	1358	833	1938	1579	1278	979
SLC15A3	2083	3118	5498	2040	2294	1540
CD5	3349	1862	4829	3241	1816	2529
ACCS	1241	1810	2748	2199	1930	1736
SCGB2A2	0	0	0	0	0	0
MDK	53	33	54	37	26	86
AMBRA1	3789	1917	4470	3940	2248	2558
MADD	8532	5325	11524	10222	7583	6104
PTPMT1	411	213	536	543	294	319
NAA40	2143	802	2920	2635	1075	1109
CARS	3253	2152	4627	3416	2159	2350
SLC22A18	709	489	692	466	315	722
CD81	3185	2227	5435	5020	2611	2801
SLC35F2	312	188	443	365	244	315
C11orf21	11414	4540	15300	12941	6224	7359
ELMOD1	0	0	0	0	0	0
CALCA	0	0	0	0	0	0
SOX6	5	13	28	18	21	12
C11orf58	5605	3969	8444	7419	5325	4050
PITPNM1	3126	2033	4690	3147	2176	2328
RPS13	11042	7092	13754	11600	8648	10602

AIP	1704	873	2032	1754	1129	1183
NUP98	8572	5893	10598	8122	5995	6804
NDUFS8	777	404	1039	914	583	523
TCIRG1	8496	5860	11493	8630	5977	5709
CHKA	645	482	1255	685	755	534
EXPH5	418	165	450	203	112	361
HPS5	3326	1516	3740	3378	2155	2335
GTF2H1	2300	1271	2265	1724	1186	1533
POU2AF1	1959	1052	1787	878	1506	1280
PTPN5	0	0	0	0	0	0
VWF	494	723	870	611	1895	467
PSMD9	921	588	1425	843	643	651
P3H3	21	51	47	23	26	46
PPFIBP1	347	160	372	373	208	233
PRPF40B	441	220	396	427	298	396
CD69	2944	5216	9077	5233	3455	3066
PRDM4	2198	1281	2557	2145	1556	1770
CLEC2B	3596	2164	4531	3277	2016	2500
COQ5	722	270	660	582	371	462
SELPLG	4318	2750	4736	3777	2496	3111
CORO1C	6195	4464	7645	6082	2804	4691
ASIC1	63	8	51	55	22	29
DAO	0	0	1	2	0	0
CAPRIN2	1925	1289	2355	1951	1392	1932
TSPAN11	6	0	0	0	0	0
KCTD10	2029	1486	2547	2103	2273	1745
SLC11A2	3108	1528	3845	2944	2050	2293
MLEC	4204	2887	8311	6857	5972	3336
MVK	425	238	572	372	231	341
CSRNP2	1288	832	1487	1365	892	1110
CAMKK2	4682	3720	6025	5218	4296	3429
BIN2	11464	7202	13298	10973	6961	7792
IL23A	94	84	124	69	37	83
ATP5F1B	9944	5438	12462	11139	6138	7451
PTGES3	6301	1693	7608	6244	2039	2328
SYT10	0	0	0	0	0	0
BCL7A	527	414	686	497	396	304
RSRC2	3778	3962	8105	5602	2662	3523
CYP27B1	17	10	36	18	11	6
MYF6	0	0	0	0	0	0
MYF5	0	0	0	0	0	0
LIN7A	830	1285	1539	853	646	654
KRT18	30	27	38	30	16	17
ACSS3	34	61	70	34	19	15
TNS2	41	24	64	47	23	38
GLI1	54	23	63	23	32	35
PPM1H	304	205	453	394	308	201
METAP2	1906	999	2432	2341	1368	1732
LTA4H	14477	6982	11905	10055	10576	13898
ELK3	3745	2142	4839	3806	3188	3627
SLC6A12	126	91	187	159	107	112
WNT5B	32	24	75	16	36	34
MAGOHB	1030	503	1091	946	690	860
TRPV4	49	15	102	14	45	18
ITFG2	2246	934	2288	1795	1143	1794
FOXM1	94	23	107	54	38	54
PRR4	46	8	74	33	38	69
PRMT8	0	0	0	0	0	0

PARP11	2470	1055	2451	2227	1278	1619
ARPC3	6558	4065	8195	6096	4466	4573
GPN3	358	208	444	314	287	264
VPS29	4119	1693	3593	3220	2461	2733
FGF6	0	0	0	0	0	0
MYL2	0	0	0	0	0	0
RAD51AP1	79	48	95	73	44	74
CUX2	48	91	78	135	245	57
SH2B3	9192	5454	11815	8936	8702	6216
AKAP3	38	31	47	54	49	40
MANSC1	109	200	264	72	55	68
KCNA1	0	2	0	0	0	0
DUSP16	2548	1331	2647	1957	1215	1963
CREBL2	4191	1903	3765	3613	2294	3067
ACAD10	2313	1278	2429	2012	1520	1675
ALDH2	2438	1920	5123	2785	2749	2107
CDKN1B	8067	3848	7536	6453	3498	6213
GPRC5D	18	8	9	4	6	10
NAA25	4925	2781	5466	4422	3551	3924
GSG1	0	0	0	0	0	0
SCNN1A	36	17	26	23	33	18
LTBR	1233	710	1373	696	825	597
OGFOD2	388	455	924	896	372	432
CDK2AP1	342	329	364	521	1208	493
OAS3	5390	2142	10388	6597	4396	3350
OAS2	6456	2736	9003	5445	4286	4966
ART4	0	0	0	0	0	0
MGP	23	21	35	52	15	33
RASAL1	15	0	23	3	20	11
ARHGDIB	13561	7736	15873	11245	7728	8576
GTF2H3	1468	584	1731	1277	499	358
EIF2B1	2620	1248	3156	2845	1784	1926
DDX55	1361	862	1693	1356	769	1101
SLC38A1	28664	16132	31206	29780	16518	22258
RERGL	0	0	0	0	0	0
ENDOU	0	0	3	0	1	0
C12orf49	2778	1341	3455	3362	1949	2585
VDR	684	726	1059	1011	1088	715
FZD10	0	0	0	0	0	0
RFC5	489	287	586	513	279	336
STX2	1957	1183	3323	2368	1520	1955
ADGRD1	629	268	511	429	390	413
COPZ1	2790	1433	3208	1700	2007	2167
TBC1D30	247	99	394	326	159	153
CAND1	10359	5042	10500	9966	6217	8848
IL26	0	0	2	11	0	0
IFNG	37	94	299	62	73	67
RAB5B	4243	3275	2638	768	3009	3545
MDM1	1382	960	1883	1308	1198	1079
NUP107	2881	1286	3201	2709	1643	2024
CNOT2	6552	3736	8041	6250	5315	4918
TIMELESS	648	290	884	801	415	489
CPSF6	9654	5343	5083	4219	6791	7580
KRR1	4433	2835	6157	5069	2988	3084
MRPL51	263	135	273	402	187	311
GAPDH	16585	11802	24090	16438	16866	14803
NOP2	1219	710	1385	1191	790	919
CHD4	9617	8122	14457	11269	6712	7547

ACRBP	518	366	908	480	1228	386
UHRF1BP1	5075	3633	6607	4881	3900	3967
COPS7A	905	499	990	881	621	603
ING4	794	479	941	695	523	640
GNB3	29	24	12	0	11	11
CDCA3	25	25	20	22	21	31
CHPT1	1810	940	1966	1392	1220	1245
USP5	1946	1027	2668	2380	1443	1661
TPI1	4284	2601	6435	4942	3917	3965
GNPTAB	10786	5014	12780	14416	6663	6670
SPSB2	325	101	189	164	87	127
ENO2	1646	994	2089	1111	1390	1274
ATN1	1180	846	2006	1380	977	1050
C12orf57	416	262	524	393	197	362
PTPN6	11175	6414	11860	8458	5535	8261
LPCAT3	1682	922	2001	1390	1052	1054
NT5DC3	706	359	886	870	526	514
SLCO1B3	0	0	0	0	0	0
APOBEC1	0	0	0	0	0	0
NANOG	0	0	4	0	7	0
SUDS3	3391	2215	4925	3503	2588	2693
GOLT1B	2273	327	2538	2224	617	1728
GYS2	7	3	9	26	3	0
LDHB	8120	3958	8418	6971	4287	6444
PRKAB1	1408	906	2017	1631	1013	1112
CMAS	769	427	954	804	718	585
HCFC2	2117	605	1628	1399	805	1125
ST8SIA1	677	252	693	610	315	770
CLEC4A	1136	650	1582	1018	970	986
C2CD5	5460	2552	5716	4819	2915	4617
AICDA	2	2	6	6	6	19
RAB35	2111	1509	3218	2392	1262	1587
PHC1	1463	670	1868	1248	827	974
COX6A1	1241	684	1399	1246	738	742
AL021546.	0	0	0	5	0	5
RFX4	0	0	0	2	0	0
RIC8B	1363	500	1324	1105	640	1072
SRSF9	4387	2890	7617	5356	3046	3667
FGFR1OP2	2841	1439	3295	2347	1785	2222
KLRB1	3669	2359	3221	4380	1594	2618
COL12A1	5	4	4	3	0	0
BTN3A3	5147	2673	8693	6284	2869	5870
TDP2	2143	1650	2677	2160	1343	1740
FRK	40	4	24	20	42	8
DSE	3353	1796	3446	2686	2938	2304
RWDD1	1124	523	1322	1059	732	858
RSPH4A	49	23	58	53	57	36
MAK	92	328	196	153	87	69
TMEM14C	657	323	743	554	757	404
PAK1IP1	404	194	475	360	212	274
GCNT2	1630	704	588	1584	933	1247
SMIM8	983	394	808	768	479	911
NEDD9	5766	4514	8029	5920	3198	3532
CEP85L	8673	4966	8734	7619	4786	6018
ADTRP	94	82	59	349	85	73
ASF1A	1599	644	1706	1580	764	1393
MCM9	3216	1812	4459	3636	2074	2601
FAM184A	181	93	110	95	55	127

RNGTT	3833	1815	4243	3638	2088	2539
MAN1A1	4855	3219	7178	5999	3744	3944
GABRR2	124	73	131	107	95	60
SERINC1	12709	8970	16509	14548	9453	9815
HDDC2	804	383	972	721	395	713
TPD52L1	7	5	15	4	0	0
HINT3	1171	681	1400	1149	714	1060
NCOA7	3936	2143	4331	4243	2748	3258
RIPOR2	49868	28208	49896	38779	22474	32031
SASH1	1407	436	1327	608	1575	485
UST	749	458	698	713	456	613
ULBP1	0	0	4	0	0	0
FBXO5	452	261	436	445	224	285
MTRF1L	1137	675	1066	952	1138	773
PPARD	1548	809	1659	1211	864	982
OPRM1	0	0	0	0	0	0
FANCE	246	186	377	299	244	269
TULP1	0	0	0	0	0	0
SLC26A8	50	116	207	39	21	39
MAPK14	8960	3201	6200	5018	7051	3513
RHAG	0	0	0	6	0	2
KCTD20	2775	2281	10783	4890	4024	6612
STK38	18890	10334	24030	18665	11400	14825
SRSF3	7582	6249	12648	10394	6315	6965
SOD2	7258	12634	23503	8015	9544	4783
MRPL18	709	275	753	648	276	375
IL17A	0	0	2	0	0	0
IL17F	0	0	0	0	0	0
MCM3	1853	784	2708	2060	1531	1519
RNF8	479	351	697	634	337	414
PHACTR1	1180	3246	3338	1238	1678	611
MDGA1	28	26	52	656	575	68
ICK	2380	825	2546	2343	1386	583
FBXO9	2813	1754	3393	2983	2117	2497
CD83	1114	3728	7303	2676	2804	728
MDN1	15480	7616	16819	14828	9883	11743
GLP1R	8	5	0	0	0	1
SAYSD1	547	245	623	688	364	409
BMP5	0	0	0	0	0	0
BACH2	7658	4104	6639	4370	2796	3535
RBM24	6	0	0	5	16	37
CAP2	7	0	0	0	2	0
TREML2	642	1300	1479	471	342	257
ZNF451	10331	6485	14113	11431	7818	8591
BAG2	593	287	546	497	269	504
RAB23	82	56	99	72	65	77
TSPO2	2	0	2	3	3	3
FHL5	0	0	0	0	0	0
GPR63	83	15	53	62	56	80
KHDRBS2	193	84	180	85	79	84
FBXL4	5023	2508	5085	3998	3603	3785
CCNC	1478	921	2867	2575	1358	1148
PRDM13	3	3	0	6	0	3
E2F3	3200	1836	3870	3430	2183	2008
PTP4A1	3022	3160	5878	3954	3169	2959
SIM1	0	0	4	0	2	0
ASCC3	8183	3957	10070	8683	5081	6784
HDGFL1	0	0	0	0	0	0

BVES	0	4	7	6	11	3
COL9A1	0	0	0	3	0	0
MED23	6921	3491	7472	5965	3703	4675
WASF1	95	76	238	154	108	99
GPLD1	110	38	86	45	26	56
ALDH5A1	1038	558	1208	909	506	979
CRYBG1	13862	6888	14917	12780	7408	9693
VNN1	386	439	782	333	983	436
VNN2	3541	4909	7703	3482	2469	2841
ACOT13	374	201	349	276	164	268
SMAP1	1798	981	2110	1776	1133	1539
RPS12	11278	6603	11462	10173	7214	9401
C6orf62	13669	8205	15838	12313	8502	10433
B3GAT2	12	10	35	31	4	12
GMNN	156	114	311	202	126	131
EYA4	0	0	0	0	0	3
SOBP	49	13	35	26	8	20
NR2E1	0	0	0	0	0	0
SNX3	2320	1377	2691	2109	1955	1782
SLC17A2	0	0	0	0	0	0
HBS1L	4628	2464	5243	4213	2911	3351
TRIM38	14109	6794	17734	12483	9256	11403
PEX7	333	130	292	232	159	229
ZBTB24	2280	844	2386	971	387	967
FIG4	2520	1361	2806	2525	1592	2016
PERP	145	85	308	179	128	212
ARFGEF3	18	6	38	20	8	8
SLC16A10	1606	572	891	914	484	900
HECA	15988	11014	20633	16538	10252	13145
ADGRG6	102	39	101	130	49	35
PHACTR2	4783	2309	4923	3976	3081	3864
EPM2A	1383	477	1080	775	720	952
OR12D3	0	0	0	0	0	0
SLC39A7	1071	741	1396	1192	751	891
CCR6	521	531	1012	388	614	977
UNC93A	0	0	0	0	0	0
SLC22A2	0	0	0	0	0	0
PHF1	2226	2042	3862	2459	1853	1918
CUTA	724	393	879	736	464	450
PACRG	8	9	5	14	9	1
QKI	6582	3562	6665	7181	5242	4983
C6orf118	0	0	0	0	0	0
PDE10A	0	0	0	0	0	0
MDFI	0	0	0	0	0	0
TFEB	1805	1187	2166	1413	787	1063
SMOC2	8	0	0	2	4	0
CCND3	4889	3777	7080	5125	4819	3109
BYSL	340	133	245	329	117	182
FAM120B	4996	2755	6129	4986	2863	3947
TBP	736	351	980	691	556	528
GUCA1B	57	28	71	63	52	54
PRPH2	14	5	23	17	7	2
BICRAL	6746	4174	7588	6926	3883	4838
PPP2R5D	1363	808	1939	1404	992	1009
MRPL2	372	183	362	367	195	305
PTK7	162	139	208	96	392	170
SRF	1732	1395	2759	1972	1199	1436
CUL9	4831	2529	5744	4850	3176	3272

DNPH1	43	29	62	55	32	40
DUSP22	1529	800	1549	1257	1066	1188
EXOC2	3863	1955	4353	3952	2283	2820
COX7A2	647	372	717	1123	413	426
TMEM30A	6038	3475	6583	6110	4395	4834
GMDS	877	458	976	806	580	633
SENP6	10623	5937	11493	8978	6004	7895
IMPG1	0	0	0	0	0	0
VEGFA	627	512	1323	712	400	519
PRPF4B	7265	4095	8479	7152	4553	6179
TTK	70	37	93	68	63	38
SLC29A1	246	105	496	335	230	154
WISP3	3	2	0	0	0	0
BTN2A1	4090	2565	5042	3708	2832	2520
LAMA4	0	0	0	0	0	0
TENT5A	2763	1434	4123	2954	1819	2180
CLIC5	270	153	528	196	237	361
FBRSL1	3191	2298	4755	3489	2545	2377
ENPP5	414	142	406	519	170	156
LY86	940	598	1415	1104	875	827
PRSS16	8	11	19	8	12	8
MEP1A	8	0	0	0	2	0
TBX18	0	0	6	0	0	0
ERBIN	19805	10929	22086	22304	12158	13656
PCDHB2	9	0	0	6	4	0
HARS2	1125	541	1571	1390	628	908
NUDT12	216	47	154	124	77	137
CEP72	569	290	642	516	235	448
MAN2A1	14309	6367	13921	15000	8748	10329
SEMA5A	71	196	91	94	59	65
C7	0	0	0	2	0	0
TENT4A	3436	2246	4626	3465	2770	2726
GHR	0	0	6	0	2	0
HMGCS1	1947	1169	1612	970	858	1307
DAP	2073	1280	2671	2360	2297	1869
NME5	4	0	0	0	0	0
BRD8	1334	827	1543	1283	696	1243
KIF20A	27	13	21	13	6	23
NNT	5712	2725	6159	6031	4099	4006
MRPS30	2971	1339	3047	2642	1541	2185
HSPA9	6082	5390	9218	7967	5441	4928
MRPS27	2513	1243	2543	2373	1433	1985
PFDN1	604	355	941	775	599	511
HBEGF	205	752	1273	553	515	214
SLC4A9	3	2	3	5	1	0
LOX	31	32	32	35	113	46
GZMK	1511	694	1478	1648	925	2046
CDH9	0	0	0	0	0	0
APBB3	1042	703	1547	1138	776	741
TMCO6	689	408	705	545	384	491
SPARC	5374	6283	9833	6896	16536	6110
IK	1659	1047	2176	1589	964	1335
HMGCR	2508	1907	3566	2856	1537	1939
COL4A3BP	7528	4888	9096	10023	7204	8102
FAF2	3155	1578	3421	2916	1655	2128
HAND1	0	0	0	0	0	0
PCDHB3	0	0	0	0	2	0
PCDHB5	0	0	0	2	0	0

PCDHB6	0	0	2	0	0	0
PCDHB7	0	0	0	0	0	0
PDE8B	0	2	53	24	72	10
CLK4	2317	1748	3828	2961	1554	2149
PCDHB15	8	0	0	3	2	3
HAVCR1	152	61	113	126	47	60
GRM6	0	0	0	0	0	0
ITK	17576	8901	17775	15910	8848	11883
RNF130	4916	3250	6590	4570	3826	3799
THG1L	444	201	509	383	266	405
ARSB	2552	1165	2523	2645	1649	1727
CLINT1	5626	3192	5789	5480	3928	3825
THBS4	29	10	31	19	22	29
CNOT6	5883	2748	6451	5280	3810	3973
IL12B	2	0	0	0	0	0
BTNL8	76	301	318	29	11	10
TTC1	976	560	1105	966	571	790
MSH3	2886	1233	3619	2288	1772	1857
RASGRF2	3437	1526	2866	2576	1597	2604
GABRG2	0	0	0	0	0	0
CCNG1	2295	1352	3243	2522	2581	2181
POLR3G	26	46	76	92	37	60
DROSHA	2458	1225	2618	2160	1243	1769
CDH6	0	0	0	34	0	4
LMNB1	1824	1707	3488	1800	1525	1805
ARRDC3	9794	4817	9290	7181	4007	5544
GOLPH3	4776	2720	5516	4718	2943	3485
SUB1	6275	6176	10909	8424	5074	4522
NPR3	29	33	38	29	59	41
FAM172A	2810	1361	2587	2499	1470	1995
SLC27A6	0	0	0	0	0	0
TARS	1759	1131	2700	2646	1623	1445
IRX4	0	0	0	0	0	0
LNPEP	42378	20618	48348	45558	24853	31650
PDE4D	5007	2666	6029	6192	4909	3432
RAD1	1181	714	1782	1157	844	524
BRIX1	741	338	791	894	331	584
AGXT2	0	0	0	0	2	2
PRLR	213	232	461	295	48	333
SLC12A7	6546	3614	6009	7550	3537	1829
IL4	5	6	17	20	0	2
RAD50	1348	729	1618	1400	1291	993
IL5	0	1	2	1	0	0
ST8SIA4	7415	5358	9578	6680	4302	5832
GNPDA1	1323	530	1413	1283	846	982
PCDH12	134	39	112	71	33	69
SKP1	6153	6791	11240	8420	7397	6558
NUP155	4274	2161	4713	4577	2777	3403
PPP2CA	6968	5474	10748	8704	5672	5709
FGF1	0	0	0	0	0	0
NR3C1	12880	6972	15935	14183	8584	9332
C5orf15	1543	718	1484	1212	879	1022
PPWD1	2641	1997	3690	2458	1877	2689
LIFR	0	0	5	6	0	0
TRIM23	1723	1053	2003	1716	979	1466
TRAPPC13	1811	814	1885	1573	1132	1474
C9	3	0	8	5	3	2
SEC24A	3236	1796	3906	3381	2328	2685

TXNDC15	1430	957	2171	1811	1300	1174
TTC33	846	608	770	697	701	631
RARS	2272	1076	2236	2149	1221	1606
WWC1	49	37	36	29	64	19
H2AFY	17566	10365	22776	16571	13036	14121
TCERG1	4592	2817	5234	4368	3818	3349
DPYSL3	8	6	15	7	0	10
SMAD5	3591	1592	3219	4050	2477	3040
CSNK1A1	10043	6354	11567	9631	6283	8450
HMGXB3	3250	1738	4232	3289	2539	2423
ERGIC1	5674	6332	8397	5916	4938	3811
PDGFRB	625	144	1578	706	494	266
CDX1	0	0	0	0	0	0
ATP6V0E1	2291	1411	2854	2677	1919	1655
BNIP1	248	192	457	414	194	205
STC2	0	0	0	0	0	0
CPEB4	2627	2374	3909	2702	2225	1694
HRH2	2492	2222	3480	1866	1601	2025
DBN1	227	224	259	413	277	153
ZNF346	378	273	402	405	260	330
UNC5A	23	18	39	31	27	14
EHHADH	237	48	251	188	62	140
CNTN3	0	0	0	0	0	0
SMC4	2694	1953	4365	3016	2022	2178
SELENOK	1380	1363	1928	2051	1380	1246
ACTR8	1761	977	1803	1835	965	1430
TBCCD1	892	478	1116	1175	529	877
TIMMDC1	1219	505	870	657	572	595
CRBN	5446	3175	6619	5356	3279	4389
KNG1	0	0	0	0	0	0
HRG	0	0	0	0	0	0
BCL6	2772	4327	7359	2638	3005	2178
HGD	130	268	370	210	447	180
CLDN16	0	2	14	4	25	6
ARL6	381	138	291	292	164	274
NPHP3	3051	1665	2690	2822	1668	2575
CD86	2175	997	2147	2019	1956	1848
AMOTL2	0	0	0	0	0	0
NIT2	2173	438	2400	1773	1228	1645
FAM162A	284	336	616	516	361	431
OGG1	1729	1016	1273	1891	561	1685
KPNA1	6772	3932	7603	6328	4223	4989
PCCB	1440	605	1553	1386	803	848
UBE3A	8714	4301	9267	8723	6063	6890
ARMC8	5658	2882	6346	5497	3889	4405
CEP70	700	384	823	722	304	542
RBP2	0	0	0	0	0	0
RBP1	0	0	0	7	0	0
SLC25A36	5769	1316	7372	6028	4317	1878
GRK7	21	12	16	16	25	22
RNF7	2315	1224	3134	2779	1868	1641
TFDP2	4708	2417	6492	5867	2806	3500
XRN1	19107	10359	21747	18486	11145	13843
KAT2B	6971	4164	9524	8322	5031	5967
BCHE	0	0	0	0	0	0
SERPINI2	68	68	47	59	91	106
PDCD10	1438	1021	2268	2129	1272	1346
LRRC31	0	0	0	0	0	0

WNT5A	2	2	14	4	13	2
PFKFB4	1528	1652	2582	1568	1243	1094
COL7A1	32	37	67	47	30	21
FGF12	0	0	0	2	0	0
PRKAR2A	3479	2051	4849	4371	2953	2878
HES1	23	14	39	4	12	8
USP4	6349	5401	9911	6378	4490	4588
ACAP2	18885	12365	24464	18475	12851	14948
ECT2	524	243	480	428	299	406
GNAT1	0	0	0	0	0	0
GNAI2	15031	10367	21719	15825	11611	11453
TFG	2206	1842	3412	2666	1543	2132
USP9Y	9384	0	10336	9703	5984	0
HYAL1	31	9	21	26	9	30
TUSC2	625	395	865	762	457	489
NPRL2	682	509	913	832	475	507
RPL24	4711	3009	5496	4783	2949	3713
CYB561D2	332	124	392	313	214	299
C3orf14	78	26	84	70	75	63
FXR1	5062	2624	5018	3755	2471	3741
CBLB	10559	5097	10992	10760	5990	6968
BBX	6932	4190	4242	4085	4822	5669
IFT57	781	349	776	564	420	452
GNB4	5693	2552	5685	4458	3852	3752
HHLA2	28	25	29	32	28	26
IQCG	562	228	557	433	289	426
GBE1	1090	585	1369	1193	835	871
MORC1	38	36	137	37	125	48
UMPS	1269	739	1440	1238	758	956
NCBP2	2356	1031	1339	1298	724	949
SNX4	1410	707	1471	1305	859	1029
C3orf52	120	50	134	56	43	36
FRMD4B	2168	1013	2648	1789	2914	1634
SLC41A3	733	353	957	778	476	538
ROPN1B	0	0	2	6	2	0
PLXNA1	865	517	1174	858	466	705
ATP6V1A	8205	6191	11844	7395	6550	6314
ABTB1	3613	4504	6737	3360	2611	3298
PODXL2	65	38	105	59	16	65
UPK1B	0	2	0	2	0	2
CSPG5	30	20	18	46	16	14
KLHL18	2725	1859	3523	2950	2284	2113
SCAP	4064	2409	5628	3963	2749	2882
EFCC1	11	6	6	10	6	3
KIAA1257	66	84	59	19	13	20
NEK11	116	50	118	167	44	189
MRPL3	1925	901	2186	1875	1017	1365
PLSCR4	25	14	21	22	46	17
HEMK1	3771	1055	1103	3004	2286	2219
CISH	1785	533	1024	1230	411	813
MAPKAPK	4148	2575	4857	3976	3299	3281
ACVR2B	2042	870	1895	1977	1236	1289
WDR48	3605	3079	4807	4327	2971	2925
COMMD2	1785	918	2189	1969	1052	1306
GORASP1	1310	920	1859	1273	875	1177
PEX5L	4	0	0	0	0	0
RRP9	319	195	470	447	252	229
ABCC5	3004	2248	4846	3582	2254	2877

AADAC	0	0	0	0	0	0
ABHD14B	511	268	499	652	320	458
EIF1B	1675	1317	2982	1991	1844	1381
ABHD14A-	97	11	98	60	15	9
ARHGEF26	17	5	27	20	0	0
KLHL24	9518	4921	9859	7100	5927	6684
PLCH1	84	105	246	116	199	29
VIPR1	2097	1177	2416	1570	1280	1563
DNAH1	8280	4524	10670	8095	5640	5835
SSR3	6435	3611	8006	6688	5058	5253
ZBTB47	421	303	626	358	284	245
TNNC1	11	7	3	2	3	8
NKTR	21543	13389	25177	21654	13397	17753
CLCN2	151	93	223	203	78	117
FOXP1	27725	15172	28870	24173	16028	18302
EIF4G1	8108	4698	9360	8319	4880	4955
SPCS1	729	498	1015	818	538	822
NEK4	2313	1288	2882	2296	1372	2044
SLC4A3	102	33	82	103	99	48
INO80D	14545	7302	15147	13085	7885	10004
EEF1B2	8901	4618	8342	7601	5911	6871
ADAM23	209	147	364	162	127	240
DGUOK	1100	500	1128	907	603	706
MOB1A	26984	16205	36077	28901	23748	21292
KANSL3	5449	3128	7893	5650	3561	4193
LMAN2L	468	284	514	473	280	307
RTKN	49	37	57	96	48	41
TTL	3144	1621	3780	3071	2298	2298
IL1A	2	11	115	17	26	0
CCL20	14	13	326	11	68	6
PIKFYVE	14313	8014	15810	12779	9343	10077
KCNIP3	4	2	4	6	0	4
FAHD2A	744	366	600	821	279	631
NCL	8014	5359	9577	9399	5149	6582
ACTR1B	2225	1230	2871	2435	1477	1697
SLC35F5	3667	2231	5003	3687	3061	3001
ZAP70	10020	5163	15293	12372	5846	7810
ACTR3	26817	15118	30905	25675	14940	18899
STEAP3	249	145	291	289	125	258
EPB41L5	804	319	486	489	303	562
TFCP2L1	161	64	152	135	212	64
SF3B6	694	552	842	861	465	615
TP53I3	212	95	179	151	91	108
DNAJC27	645	393	797	542	120	473
POMC	32	12	35	30	25	23
STAM2	3472	1817	3277	2745	1799	2507
OTOF	34	23	138	56	27	39
GPD2	1362	982	1743	2743	2835	2505
CENPA	33	18	30	7	10	7
CYTIP	14400	9123	14842	14415	7311	8806
ACVR1	1395	650	1607	1243	1326	1186
TANC1	68	27	161	45	49	68
SLC30A3	0	0	2	0	0	0
MPV17	1502	656	1522	1471	992	1092
GTF3C2	3483	1596	3772	3456	2035	2685
EIF2B4	1003	607	1241	1168	680	694
NRBP1	2886	2776	4931	3771	2299	2412
ITGB6	0	0	0	0	0	0

FNDC4	0	0	0	2	0	0
ITGA4	37643	13884	35800	27900	16448	25572
PSMD14	1704	750	1881	1778	1030	1167
SNX17	5038	2243	5632	5103	3303	3529
ASB3	1661	811	1971	1676	1083	1196
PPM1G	1976	1159	2552	2127	1272	1512
PDE1A	0	4	3	1	2	0
REEP6	45	13	41	37	19	54
PCSK4	63	43	47	39	29	28
GCG	0	0	0	0	0	0
APC2	62	37	87	84	62	28
IFIH1	2513	2014	3632	2099	1560	1840
RPS15	2168	1280	2896	2344	1092	1253
GCA	3998	5402	6426	3189	2517	3145
INO80B	424	175	588	355	175	300
MOGS	604	430	987	812	906	1133
TTC31	1077	587	1210	1123	562	650
NDUFS7	1016	575	1505	1168	775	836
PCGF1	196	126	219	180	122	154
GRB14	45	43	6	41	94	26
CLIP4	5210	1678	5009	5003	3093	2278
TLX2	2	0	9	13	4	3
SPTBN1	17335	11678	17659	17766	10083	13781
AUP1	2060	1417	3086	2540	1237	1536
RTN4	5548	4795	8119	6335	4301	4602
HTRA2	564	351	648	547	353	361
LOXL3	653	275	702	582	513	382
DOK1	1063	668	1413	994	775	778
GALNT3	1020	664	1704	1307	886	781
POLE4	479	232	581	413	227	249
TACR1	10	0	6	5	6	0
CCDC88A	7741	3867	8719	6598	6922	4997
ACADL	0	0	0	0	0	0
EVA1A	0	0	5	2	5	2
MRPL19	1769	682	2155	1767	336	1450
LANCL1	3432	1338	3731	3256	1736	2580
WDR75	2898	1625	3548	3012	1716	2466
EFEMP1	0	0	0	0	0	0
REG1A	0	0	0	0	0	0
FANCL	422	200	561	324	380	388
FN1	217	58	151	50	46	104
STAT1	19506	9879	23244	19292	10768	12773
GLS	16502	8526	17187	15976	10373	12673
PAPOLG	3889	2181	4341	3773	1966	3171
DNAH6	212	296	215	155	106	199
PECR	620	325	787	566	325	444
UNC50	1696	689	1654	1506	920	1266
IGFBP2	29	23	44	79	7	15
ELMOD3	1440	690	1832	1543	1141	1161
IGFBP5	0	0	0	0	0	0
USP34	33582	19288	41918	34688	23626	26868
EFHD1	13	21	6	16	5	10
KCNJ13	7	0	20	14	4	4
CCT4	4859	2529	5004	4707	2637	3343
GGCX	1860	1038	1955	1710	1023	1389
NEU2	0	0	0	0	0	0
EHBP1	1661	883	1856	1580	945	1251
OTX1	13	10	9	0	0	0

TXNDC9	976	539	1242	1041	619	756
COQ10B	1891	1965	3268	2583	1278	1630
GNLY	8903	5204	22452	20486	8313	11648
SF3B1	42615	23849	50574	40232	25820	32607
ST3GAL5	2496	966	2414	3043	1092	1523
CHST10	212	106	329	246	168	139
PDCL3	430	247	459	398	187	320
MOB4	2798	1314	1596	1605	957	1771
HSPE1	472	325	770	404	313	353
KDM3A	9997	7309	13400	11503	6385	7441
PLCD4	48	15	46	19	33	16
CHMP3	4649	2733	4266	3553	2931	3337
ZNF142	1808	1057	2411	1914	1064	1436
IL1R2	300	1450	873	113	89	44
PRKAG3	0	0	0	0	0	0
SMYD1	0	0	0	0	0	0
IL1R1	202	441	561	222	201	251
WNT6	11	0	10	0	3	16
IL1RL2	0	0	1	0	3	0
IL1RL1	131	84	132	304	54	57
IL18R1	1627	1149	1716	2461	1251	1126
IL18RAP	3370	2092	3009	4369	2435	2210
SLC9A2	0	0	0	8	0	0
FHL2	79	17	91	58	99	48
MLPH	2	0	0	0	0	0
CNPPD1	2503	1774	3703	3146	2303	2305
UXS1	2523	1435	2800	2225	1526	1673
ABCB6	224	145	238	152	127	170
STK16	648	378	735	746	500	468
SLC5A7	0	0	0	0	0	0
HDLBP	6720	3694	7635	6170	4246	4891
PPP1R7	1052	597	1309	1126	629	737
PASK	2937	1217	2232	1792	2036	2939
STK25	1857	1075	2428	1718	1295	1443
TPO	5	2	4	5	2	10
PROC	0	0	9	9	14	7
ID2	5732	2338	4297	5984	3136	3005
TAF1B	1909	869	1669	2104	1097	1193
HPCAL1	2823	1177	3445	2547	2037	1740
ODC1	2508	1918	3658	1969	4928	1836
BIRC6	44733	24006	54170	47453	30203	34038
NOL10	1886	904	2232	1841	1229	1396
PLEKHB2	3537	2264	4750	3833	2984	2466
GORASP2	1284	1089	2325	1929	1017	1176
STRN	7042	3768	8415	7012	4571	5291
CEBPZ	3165	2070	4085	3511	2175	2347
PRKD3	5152	2978	6039	5120	3430	4020
DCAF17	2726	1245	2656	2369	1341	2109
QPCT	831	667	1279	879	746	606
RAB3GAP1	3319	2071	3900	2924	2238	2766
SLC25A12	1363	771	1829	1679	1012	1211
RMDN2	430	245	584	474	318	348
DLX2	0	0	0	0	0	0
LCT	7	0	0	11	6	7
DARS	2572	1301	2451	2184	1526	1678
SRSF7	3667	2668	5319	5051	2754	3320
SDC1	10	4	8	0	0	0
PLCL1	1825	1197	2222	1512	622	1512

SLC1A4	813	420	943	854	569	525
SOS1	9191	4266	9435	8130	4755	7371
KYNU	4577	3310	4868	3589	5417	3620
WIPF1	27586	18299	33666	25857	20118	20402
ORC2	3466	1915	4297	3398	2134	2718
COX7A2L	1949	930	1315	1876	1276	1361
PNO1	618	379	851	709	453	496
ORC4	3169	1867	3155	2861	1892	2552
PLEK	14112	18730	34096	18305	16606	10866
RND3	0	0	0	0	0	2
ATF2	4874	2670	5744	4923	3207	3935
THADA	7953	3968	8881	7360	5025	6640
AAK1	27634	14348	32921	29446	16428	20331
TRAK2	6497	3360	6971	5868	3628	4958
C2orf42	811	304	909	757	440	507
TIA1	8112	3547	6817	6128	4299	5880
PCYOX1	2173	967	2231	1946	1153	1676
KISS1R	5	0	0	0	12	10
EPAS1	125	107	216	259	91	74
ARID3A	2280	1614	3149	1907	1977	1729
SUMO1	859	678	2014	872	1023	653
CD207	2	4	10	20	3	22
GRIN3B	21	18	38	27	17	9
VAX2	0	0	0	0	0	0
ATP6V1B1	0	0	0	0	0	0
NFE2L2	4407	2645	3430	3962	2373	3053
MSH6	2621	1575	2950	2312	1334	1959
PLEKHA3	5791	2903	6425	5862	3564	4346
SPR	50	14	65	29	36	14
EPHA4	1109	880	1772	1316	967	1590
PARD3B	61	4	27	41	52	28
FARSB	1709	772	1573	1597	915	1234
ALMS1	7064	3292	8208	5988	4371	4372
BCL9	837	442	976	731	429	569
PRRX1	0	0	0	0	0	0
DHCR24	472	204	520	387	427	320
DNAJC16	1539	1716	1610	2274	997	1268
MARK1	4	7	0	2	0	20
TNR	56	21	65	46	52	28
MORN1	541	294	517	451	322	386
GPX7	264	156	281	215	139	183
CACYBP	1359	850	1025	891	510	673
SCP2	3178	1934	4859	3799	3577	2666
TPSG1	0	2	3	0	0	0
PAPPA2	3	0	3	4	0	0
RALGPS2	4388	2235	4412	2611	3039	2458
ANGPTL1	10	0	14	4	10	0
CEP104	2842	1533	3249	2416	1919	1765
FAM20B	3982	1987	4221	4012	3124	3212
TCEANC2	1688	846	1590	1375	792	1182
TMEM59	4486	2844	5857	5228	3404	3568
LRRC42	317	130	354	292	223	247
WRAP73	1521	905	1983	1665	1042	1112
NPHS2	0	0	0	0	0	0
MRPL37	1025	532	1208	1121	660	803
ICMT	1558	373	1140	1606	1120	1194
RPL22	5272	2947	5298	4308	3258	4264
CHD5	10	23	35	47	6	14

QSOX1	2577	2182	4299	3038	2522	2204
STXBP3	4896	3355	5957	4585	3554	4021
PHF13	549	382	858	555	346	498
ERRFI1	101	39	107	101	46	49
PARK7	1969	1034	2306	1580	1475	1488
KIAA1324	228	214	422	316	239	317
OPRD1	0	0	0	0	0	0
AMPD2	3468	5950	6189	3514	2604	2216
SRSF4	7481	5739	11740	5600	2478	5697
MECR	290	121	292	198	186	197
KCNC4	294	866	1770	290	210	208
EDEM3	3091	1606	3071	2577	2100	4564
WDR77	1887	925	1677	1660	1199	1400
ATP5PB	5046	2255	5384	5065	3533	3478
RAP1A	6291	4108	7792	6938	6017	6174
HDAC1	5933	3108	7162	6322	3735	4365
CAPZA1	8781	6269	12863	10688	6209	8024
S100PBP	3135	1566	1907	1741	1543	2211
RNF19B	2123	3271	5579	2566	1737	1570
SCAMP3	828	384	784	690	524	573
TRIM62	901	545	1181	965	619	598
ASH1L	17852	10612	21357	16640	10488	13166
DLGAP3	32	24	57	32	39	29
SFPQ	19116	12986	28639	21801	15609	15030
RHOU	1495	731	1582	1433	882	1009
GON4L	5314	3331	6569	5777	3505	3870
ARHGEF2	7596	5051	9617	6818	4355	5667
LAMTOR2	326	193	402	251	210	262
MEF2D	6020	4562	9135	6765	5121	3916
DOCK7	1660	855	1796	1337	1117	1541
SRM	460	220	492	427	272	299
FBXO2	136	34	166	128	66	47
FBXO6	473	232	801	571	280	339
C1orf21	2763	1107	4624	3557	1326	1697
SWT1	907	503	1116	788	615	799
MAD2L2	427	222	457	410	249	368
DNAJC6	128	174	230	209	233	174
LEPR	687	678	1444	1058	1468	659
IVNS1ABP	15405	15548	24389	19139	10022	10294
KIAA2013	1628	1120	2494	1921	1231	1310
MFN2	4363	3425	6752	4372	4378	2881
PRG4	13	5	8	0	6	5
MIIP	773	480	1055	710	545	589
SMG7	4298	3770	6000	5579	4296	4495
NCF2	9806	10123	15674	8204	7204	7044
PDC	0	0	0	0	0	0
SLC35D1	3672	1956	4306	3816	2087	2672
PLA2G4A	638	238	680	509	477	545
GADD45A	101	125	228	106	168	111
PRAMEF1	0	0	0	0	0	0
PRAMEF12	0	0	0	0	0	0
WLS	592	1137	1763	732	573	458
PRDM2	10754	8193	15357	5701	3987	8451
RGS2	8245	12970	19180	8299	3860	6260
RPE65	0	0	0	0	0	0
TROVE2	8028	4554	8927	8083	1365	6665
AMPD1	2	2	0	2	3	0
UCHL5	2770	1277	2626	2320	1424	2212

BCAS2	895	620	1089	799	511	665
SRSF11	14841	7676	15506	14236	9243	10765
CTH	37	48	61	51	36	46
AGMAT	272	114	242	124	130	197
OLFML3	25	16	12	8	0	21
TNNI3K	5	3	1	6	7	47
CFHR3	0	0	0	0	0	0
PLEKHM2	2808	2035	4503	2914	2417	1815
CRYZ	904	456	973	977	682	566
PHTF1	810	998	1565	1148	963	800
ZBTB17	894	736	1345	1012	778	688
CD58	1359	1162	2172	1615	1018	1096
TFAP2E	150	84	219	205	134	89
CD2	4148	2263	4682	4620	1838	3731
TTF2	2340	640	2440	1395	1234	1579
NR5A2	2	4	0	6	0	28
KIF21B	10563	7450	15749	13380	6841	8514
TMEM9	494	237	676	537	385	252
ADPRHL2	451	310	578	605	374	402
MAP7D1	3276	3019	5258	4035	2438	2883
WARS2	695	375	682	600	285	435
HAO2	0	0	0	0	0	0
OSCP1	24	6	27	2	2	4
MRPS15	321	232	517	453	268	274
EXOC8	3324	2703	4351	3617	2118	2581
GNPAT	2710	1350	3291	2690	1803	2176
TSNAX	2942	1505	3252	2443	1637	2379
C1orf109	440	325	680	500	432	449
RRAGC	1662	1203	2354	1977	1168	1477
NID1	692	784	948	1215	860	1150
LGALS8	7112	4149	8043	7321	5043	5583
NT5C1A	0	0	3	6	5	4
HPCAL4	362	282	789	663	389	519
MTR	8458	4250	9013	7678	5053	6182
BMP8B	185	123	224	170	94	155
MYCL	1184	681	1623	1309	943	1024
SIPA1L2	1028	1219	1557	1049	785	661
ZP4	0	0	0	0	0	0
RLF	5276	3353	6567	5402	3787	3859
KMO	982	492	718	504	376	361
ZNF684	73	138	223	123	80	137
KCNQ4	30	11	29	15	34	15
RIMS3	319	185	408	426	375	323
AKT3	6178	3195	7753	7589	4125	6059
ETV3	3786	2762	5226	3994	2951	2612
ACADM	944	447	668	944	635	670
ST6GALNA	0	0	5	4	0	0
SLAMF1	1417	862	1404	1109	783	1465
CD48	12745	6962	15996	13570	9623	11115
ADGRL2	0	0	0	0	0	0
PADI2	716	2503	1961	1377	1123	1365
SDHB	1068	675	1322	1194	836	909
MFAP2	0	0	0	3	0	3
RPF1	1066	568	1305	1100	487	682
KDM5B	4760	3675	5750	4160	3147	3424
UAP1	1066	950	1950	1413	745	645
ACTL8	0	0	0	0	0	0
CTBS	3521	2972	5010	2965	2700	2628

RGS4	0	0	2	0	0	0
KLHL12	2198	1134	2502	2261	1412	1688
IGSF21	0	0	0	0	0	0
SSX2IP	1762	1208	2414	1589	2524	1258
ZNHIT6	2061	1076	2246	2038	950	1546
PLA2G2D	11	12	18	7	12	14
RBBP5	2513	1576	3404	2775	1566	2165
GBP3	2349	588	2485	2143	1261	1253
GBP1	4056	2036	5172	3833	1792	2689
KIF17	2	0	0	4	9	3
GPR89A	1901	923	1982	1320	1303	1474
CDK18	177	53	103	101	93	65
RAB29	3962	1270	4816	4429	1396	2646
CD160	553	238	441	709	105	210
ECE1	3477	4295	6721	3383	3535	2729
HMGCL	1223	732	1562	1323	935	924
GALE	208	85	282	229	145	141
ID3	134	73	127	71	59	97
CR2	1115	554	971	563	420	391
CD46	9607	7410	13435	9486	6377	7076
PRPF3	3798	2702	5634	4496	2682	3440
APH1A	2992	1288	3277	2358	1618	1816
P3H1	897	543	990	961	682	851
SLC2A1	1904	1371	3340	2360	1492	1831
EBNA1BP2	405	212	549	397	188	288
CDC20	30	16	22	37	9	14
MPL	216	263	315	108	809	165
ARTN	4	9	12	6	13	2
IPO13	952	471	1127	920	598	735
ATP6V0B	2114	2040	4009	2687	1883	1607
B4GALT2	93	35	89	86	36	65
ERI3	1173	577	1347	1093	825	889
PTCH2	49	36	83	57	60	48
AKR1A1	1358	656	1616	1534	1048	1035
PRDX1	3014	1216	3186	2658	1938	1938
PIK3R3	410	178	439	369	293	343
TSPAN1	0	3	1	0	0	0
BLZF1	1568	980	2196	1574	1091	1189
CCDC181	0	0	0	2	0	0
SLC19A2	320	449	600	446	280	378
FAAH	408	277	696	468	402	451
NSUN4	1432	774	1864	1409	513	1183
TMED5	6172	4941	9558	7413	5034	5272
MROH9	0	0	0	0	0	0
DR1	10868	5120	11335	10290	2799	8084
CNN3	51	39	97	58	42	53
PRRC2C	21178	14379	26523	23718	16051	18834
F3	13	28	76	9	6	2
ABCD3	3522	1713	3768	3769	2417	2784
VAMP4	3027	1060	3209	2140	1883	2435
DPH5	749	294	752	686	344	682
FASLG	629	351	769	655	242	462
PTBP2	1940	754	1646	1345	879	943
TNFSF4	1138	1101	1940	1309	2551	982
PRDX6	3407	2658	4607	3206	5657	2546
DARS2	1091	514	1177	1072	528	755
HSD11B1	3	6	22	0	3	7
IRF6	44	46	82	291	49	74

UTP25	2877	1438	2710	1829	1537	2092
PLPPR5	0	0	0	0	0	0
PLPPR4	4	2	0	2	13	19
SERPINC1	9	1	5	23	6	9
RCAN3	10113	6107	8565	7084	5249	8789
SYF2	1155	951	1660	1391	846	861
RSRP1	4100	2568	5348	4019	3102	2887
SLC35A3	4914	2030	4698	4541	2883	3262
RCOR3	4914	3132	5209	4564	3265	3891
STMN1	785	441	783	759	375	315
MTFR1L	1623	982	2073	1531	1580	1330
MAN1C1	1993	1206	2233	1531	927	1293
NEK2	23	17	35	25	10	14
RPS6KA1	5120	3684	7759	5439	3730	4363
DHDDS	1274	638	1923	1548	1019	1177
NENF	281	140	343	242	297	165
NSL1	1835	916	1929	1604	965	1298
PROX1	17	6	34	12	17	11
ARID1A	17014	10435	20293	16703	10485	11985
CENPF	285	145	280	227	124	174
RPA2	1565	777	2233	2095	879	1051
PPP1R8	716	816	973	654	314	1330
STX12	3536	1887	4191	3102	2513	2542
2-Mar	21	10	10	15	16	34
SLC5A9	9	16	10	4	10	6
OSBPL9	4581	2268	5436	4657	2986	3464
TXNDC12	1573	1013	2002	1525	1102	1356
ESYT2	14771	8776	18890	16628	9435	11586
CD3EAP	30	8	41	82	14	38
MESD	2192	1073	2646	2388	1358	1966
RCN2	1868	891	2707	1992	1257	1218
CHRNB4	0	0	0	0	0	0
MUC5B	19	2	39	13	14	1
CTSD	11973	5953	12283	9807	7128	5787
COLEC11	30	5	18	0	0	3
STAG1	6103	3627	7927	6906	4150	5002
A4GNT	0	0	0	10	0	0
STK11	2476	1507	3253	2325	1649	1780
KMT2A	22341	11312	23964	19624	11962	15691
TREH	0	0	2	0	0	0
IFT46	324	183	428	394	169	228
MMP8	172	169	274	231	99	613
APOA1	3	0	7	0	3	4
ZNF541	35	13	23	33	25	26
SLC8A2	3	0	6	2	3	0
KPTN	148	65	174	91	86	68
RPS25	9824	5103	9855	7768	4518	6897
KIF14	123	89	148	92	89	101
TNNT2	0	0	0	0	0	3
DDX59	1117	670	1059	1150	727	790
CAMSAP2	893	243	488	646	352	738
ATF6	7985	4518	9613	6721	4704	6275
CRYGD	0	0	0	0	0	4
MREG	283	161	334	341	214	284
TNP1	0	0	0	0	0	0
FASTKD2	2559	1112	2810	2668	1841	1985
NRP2	168	82	86	123	131	133
CREB1	2241	1559	2337	2964	1773	1588

KLF7	4551	3011	6907	5038	2717	2592
TTR	0	0	0	0	0	0
B4GALT6	501	281	747	553	581	315
C1orf54	64	34	73	75	38	63
CA14	17	0	2	6	0	2
CASC1	19	4	10	4	4	2
LRMP	3620	2736	4992	3099	2407	2658
ATP10B	0	0	0	0	0	0
SPCS2	1369	1247	1934	1488	1283	990
USP35	584	310	854	585	363	355
ELOVL4	92	88	209	112	56	197
FILIP1	0	2	0	4	0	0
CASP8AP2	4201	1633	4276	3363	1597	2932
HMGN3	827	432	852	892	527	664
UBE3D	874	477	889	767	439	646
CNR1	87	37	38	32	24	41
SPACA1	0	0	0	0	0	0
ANKRD13(	2203	1166	2496	2305	1424	1657
SGIP1	0	5	3	0	0	0
PHF3	14634	8006	12809	12487	7503	11041
ZC2HC1B	9	7	15	13	7	11
ADGB	0	0	5	4	13	6
PLAGL1	607	808	879	832	947	391
FBXO30	2781	1338	2885	2737	1528	2271
TNFAIP3	8934	18893	36034	20444	17061	5214
AKAP7	877	340	639	732	388	500
RAB32	1201	886	1741	1370	1753	1030
MYB	309	213	283	315	231	273
ALDH8A1	142	43	151	50	54	105
SGK1	2196	5762	10069	5757	4814	1675
RNF146	2241	1126	1878	1806	978	1876
ARG1	66	109	116	51	52	137
CTGF	12	4	13	13	6	13
TCF21	0	0	0	0	0	0
PMFBP1	78	46	43	45	25	55
FBXL5	15347	9527	18960	13435	9261	11513
MED28	11572	6145	13294	10123	8517	8454
SLC16A7	2167	2213	5845	5586	3496	4505
RXYLT1	463	192	383	358	234	304
ZNF430	2744	1575	3358	2761	1982	2032
VAMP8	2252	759	1486	1182	897	961
DCLRE1B	447	72	591	393	311	394
MYL12B	7517	4765	11185	8776	6182	6032
FOXO3	5789	5423	9181	6621	4630	4890
ARMC2	469	275	591	454	240	334
GHRH	0	0	0	0	0	0
RPN2	5164	2572	6149	5644	3656	3695
TGIF2	467	361	689	601	438	327
CASQ2	0	0	0	0	0	0
OLFM3	0	0	0	0	0	0
PKD2	1115	440	1718	1462	759	1066
ABCG2	29	5	59	98	13	38
SPP1	0	2	14	0	0	0
STBD1	125	63	144	160	105	172
CCNI	22400	13136	27262	23461	17501	19863
RARRES1	3	0	3	4	9	3
MFSD1	7297	4167	9377	6634	10315	5527
RAB3GAP2	6551	3524	7575	6317	4190	5123

EEF2KMT	267	99	262	274	166	178
PPL	17	17	23	6	10	0
UBN1	2481	2858	4517	2694	2948	2639
KLF12	15196	8006	15347	16124	7245	11454
UCHL3	653	337	665	685	421	566
PCDH17	0	0	0	6	0	0
HS1BP3	1606	838	2064	1535	1104	1310
LDAH	1078	448	1054	768	724	791
WDR35	844	449	1135	971	382	672
CCND2	15657	8659	23024	19386	10891	12789
FGF23	0	0	0	0	0	0
ELL2	1519	1350	1906	1441	981	1093
DNAH7	20	19	60	21	22	12
CYP20A1	2212	1070	2472	2052	1331	1617
NDUFB3	497	274	674	476	288	375
GTF3C3	2635	1107	2699	2477	1479	2114
SATB2	82	64	212	127	96	153
UBE2B	1236	3024	4736	2669	812	1447
TRPM6	251	478	929	419	72	126
GDA	2	0	0	0	0	0
KLF9	3420	2593	4664	3820	2654	2027
TJP2	1546	724	1054	1237	1070	765
C2orf40	48	4	4	26	6	18
ITGB1BP1	1332	741	1283	1233	731	940
CPSF3	1408	717	1784	1392	908	1124
PIGZ	102	17	81	90	65	64
SENP5	6934	4417	9075	7209	4797	5027
CCDC92	776	434	717	1050	806	692
C1orf198	963	896	1654	1109	2176	1033
TRIM67	3	3	0	0	0	0
HEATR1	7097	3153	7585	6681	3866	5312
PTBP3	11722	12749	18489	14371	10482	10123
RAD23B	4886	3125	5907	4734	2975	3588
FKBP15	8193	3894	8599	6534	4550	5907
CTNNAL1	106	146	355	149	304	109
FAM206A	480	253	575	470	211	337
WDR34	172	95	187	83	104	103
SET	11501	6137	13625	11520	7404	8585
PTPA	2077	983	3026	2179	1284	1708
GLE1	2431	1177	3223	2285	1558	2034
RAB14	8146	4476	10084	8536	5964	6126
CNTRL	10542	5395	11365	7879	5632	8134
TRIM32	937	356	950	392	258	737
FBXW2	9117	4583	10673	9345	6539	7154
PHF19	2132	1119	2678	2106	1409	1867
NEK6	2707	1771	4104	2960	1979	1767
BSPRY	76	28	67	70	35	26
PPP6C	4780	2539	5293	4469	2933	3497
NDUFA8	321	203	289	271	181	242
HDHD3	386	258	479	467	212	264
RBM18	1851	1129	2581	1922	1336	1482
SLC46A2	561	436	848	873	762	551
HSDL2	1462	1141	1839	1355	822	925
MAPKAP1	4143	2171	3625	3777	2345	2703
NR4A3	36	251	178	152	158	24
INVS	2208	938	2298	2177	1299	1336
GALNT12	377	227	397	343	261	342
DENND1A	4197	2022	4960	3999	2766	2503

ALG2	1019	768	1531	1479	994	963
CSF3R	10645	20830	25742	8652	8769	7131
KDSR	1072	720	1271	1140	760	936
VPS4B	5159	3065	6173	5000	2965	3610
ONECUT2	0	0	0	2	0	0
C19orf25	867	612	779	964	869	920
ZBTB45	380	198	433	293	169	228
YLPM1	10618	5725	11770	9415	6022	6977
DCAF4	640	299	499	619	385	301
PROX2	46	14	51	50	19	15
VSX2	0	0	0	0	0	0
FCF1	1634	1063	2175	1810	1159	1442
PGF	0	5	2	0	0	3
IFI27L2	118	70	173	60	50	56
BBOF1	138	86	130	143	102	110
NEK9	7111	4061	8114	7959	5206	5457
ACYP1	357	191	414	352	166	239
IFT43	237	113	198	191	117	145
NPC2	2045	1344	3978	1585	2444	1204
DNAL1	359	457	774	848	502	607
IRF2BPL	1453	1205	2307	1741	854	1061
ACOT2	185	116	181	172	113	127
LTBP2	131	144	156	136	71	123
AREL1	5240	3951	7171	5860	3951	4087
MLH3	996	1469	1311	2850	2011	2272
TTLL5	1342	821	1830	1433	906	978
FLVCR2	1043	562	1193	851	745	777
ABCD4	2094	1360	2938	2156	1470	1961
DLST	3813	1970	4906	3744	2742	2500
PPP4R4	9	27	34	24	22	50
TGFB3	266	112	269	180	122	159
ZC2HC1C	2	0	8	11	6	3
SLIRP	364	201	370	355	168	238
RBM25	11383	7837	13982	12110	7210	9653
ALDH6A1	381	459	1194	1204	563	865
GPR68	459	325	650	687	220	461
ESRRB	6	5	24	4	1	5
EIF2B2	989	523	3163	1240	747	797
NRDE2	3797	2019	4366	4110	2510	2608
COQ6	714	372	950	602	392	631
ZNF410	1796	1305	2576	2252	1376	1531
RHOQ	1311	1064	2268	1724	1004	990
GPR75	369	132	297	276	173	248
SUPT7L	1976	1090	2722	2040	1245	1447
KLHL29	172	117	103	88	52	94
DNMT3A	5812	2707	5143	4812	2896	3897
TMEM214	1440	837	1907	1921	975	1143
ATAD2B	9569	4944	11051	9449	6484	6922
FKBP1B	68	37	50	58	104	83
ATL2	2220	1451	2713	2431	1672	1861
YPEL5	6439	3248	8008	3621	3245	4008
FAM98A	722	515	778	642	404	517
YIPF4	9933	4538	9653	7837	5670	7416
AFTPH	6049	2371	3737	2412	3994	1518
LGALSL	381	1894	474	1847	1415	1217
CNRIP1	26	4	12	11	10	21
BCL11A	6536	3908	2942	3905	6128	3329
CRIPT	1645	1255	2151	1762	1260	1287

EPCAM	4	0	0	0	0	0
SLC17A5	1204	671	1509	1318	966	1171
OGFRL1	17737	9536	18690	15712	9634	15090
SLF2	6407	3020	6057	5831	3568	4575
IDE	2743	1302	2923	2398	1593	2059
TECTB	0	0	0	0	0	0
ELOVL3	2	5	25	9	11	13
IFIT3	1205	1381	3695	1036	838	639
NKX2-3	0	0	0	0	4	0
IFIT2	2454	3098	6692	2016	1376	1250
GPAM	933	417	981	1013	560	702
CUTC	780	455	953	927	506	582
PPP1R3C	0	0	0	0	0	0
PYROXD2	694	263	771	610	359	422
CNNM1	6	2	4	2	4	16
MXI1	1247	1160	1533	758	1290	894
SMNDC1	2299	1802	3422	2650	1953	1857
C10orf88	469	200	509	514	280	462
HELLS	1704	740	1868	1467	954	1064
PRLHR	0	0	0	0	0	0
TCTN3	914	433	943	819	617	667
FAM45A	1495	624	1776	1235	820	851
AVPI1	126	77	107	136	134	40
WDR11	9395	4154	10049	8675	6642	6921
ARMH3	3768	1768	4117	3374	2342	2510
KCNIP2	366	154	248	128	141	174
CFAP58	14	30	39	11	10	2
GOT1	421	258	426	351	230	285
CPN1	0	0	0	0	0	0
C10orf95	25	4	19	18	8	14
SFRP5	64	2	40	117	4	31
GNA13	14533	9943	20318	16500	11994	11179
HOXB8	0	0	0	0	0	0
KANSL1	15827	11569	24148	19743	12715	15608
HOXB5	0	0	0	0	0	0
CRHR1	0	0	0	0	0	0
HOXB3	359	171	464	332	181	157
HOXB1	0	0	0	0	0	0
DUSP1	9707	26593	48662	20286	12729	7452
PANK3	12942	6622	15002	12912	9139	9868
MSX2	0	0	0	0	0	0
TEK	2	43	24	9	0	0
RCL1	788	486	869	727	518	565
CAAP1	588	356	630	542	423	529
EQTN	7	7	2	2	4	8
MOB3B	818	347	984	551	605	495
INSL6	0	3	2	2	0	0
INSL4	2	0	3	0	3	0
MLANA	11	2	17	4	3	12
CD274	403	355	547	348	253	340
IFNA6	0	0	0	0	0	0
IFNA8	0	0	0	0	4	0
GRIA2	0	0	0	0	0	0
NUP43	4024	1480	3521	3283	2295	2900
MTHFD1L	420	196	309	348	223	302
LRP11	13	6	28	3	13	41
CCDC170	323	215	219	296	194	240
PCMT1	1372	1097	1548	1923	1498	1060

PLEKHG1	1045	574	2072	1192	1167	548
MYCT1	232	242	419	332	707	153
CXorf21	1464	728	1407	945	921	1002
MAGEB4	0	0	0	0	0	0
CYSTM1	96	270	239	142	113	90
WDR55	2782	1652	3334	3021	1996	1982
ARAP3	1088	1655	2038	991	745	849
PCDHB8	6	0	0	4	0	0
PCDHB10	0	0	0	0	5	2
PCDHB14	0	0	2	0	4	12
PCDHB12	0	0	0	0	0	0
SLC25A2	77	79	130	101	97	55
TNN	0	0	11	0	0	0
MRPS14	746	302	607	620	428	578
CENPL	438	274	591	464	432	316
TNFSF18	5	6	11	5	8	3
SEC16B	68	27	77	55	49	48
GORAB	263	262	692	354	192	444
GPR31	2	8	5	0	0	0
ACAT2	677	330	845	594	506	491
TCP1	3551	3035	6502	4614	2980	2815
TTLL2	0	0	0	0	0	0
SNX19	5994	3340	5345	6264	3403	4272
KCNJ5	2	0	0	4	4	0
MSANTD2	1059	617	1281	812	658	917
TP53AIP1	0	0	4	0	4	3
TEX11	0	0	0	0	0	0
ARR3	3	0	2	0	0	0
PDZD11	150	97	178	202	71	101
SLC10A7	1155	587	1322	1201	807	974
NUDCD1	1355	589	1487	1306	885	1078
ENY2	1154	914	1533	1281	1032	1049
MASTL	827	544	1053	799	577	1003
KIAA1217	7	9	5	7	7	42
LYZL1	0	0	0	0	0	0
PLXDC2	13516	7529	14445	11677	11567	9317
EPC1	8890	5095	9723	8930	4867	7230
IQSEC3	23	18	168	80	4	14
CCDC77	312	258	370	366	274	224
TAF12	586	345	714	512	332	459
ENOX1	0	0	0	3	5	0
TNFSF11	12	16	46	28	38	22
MTRF1	1052	473	1262	930	419	745
SOHLH2	0	0	0	0	0	0
DNAJC15	1726	628	2229	1929	1309	1615
PROSER1	2800	1232	3372	2475	1528	2157
UFM1	3724	2171	4465	3954	2450	2958
WBP4	371	244	394	455	201	310
ELF1	13244	7709	15920	14202	9676	9153
SMAD9	4	0	6	0	0	0
HSPH1	2979	1649	3867	2391	1287	1854
KBTBD7	994	641	985	697	376	888
ALG5	734	404	905	759	560	586
EXOSC8	1185	570	1194	978	617	865
ETF1	4743	4565	7479	5542	3926	3385
TGFBI	7210	4956	7997	9028	5252	6109
FAM53C	2338	3754	5168	2788	2001	1777
SIL1	616	270	734	576	472	407

PAIP2	5358	3977	7473	5522	4711	4013
MYOT	2	0	4	0	4	0
KDM3B	12354	7503	16740	12546	9172	9537
EGR1	314	3832	4784	3309	458	231
SERP1	7164	3625	6859	5486	4367	4580
PLS1	127	32	116	140	54	60
ZFP30	906	501	344	1111	470	620
NR2C1	1939	962	2221	2150	1200	1632
UTP20	3737	1699	3769	3442	1945	2553
TMPO	6815	4087	9689	5826	4808	6860
ARL1	1524	850	1819	1595	981	1378
GLT8D2	2	0	0	2	0	0
MTERF2	652	255	827	848	438	414
SOCS2	288	216	943	1180	164	218
NFYB	825	389	1068	897	493	705
WASHC3	1027	404	938	759	476	724
APAF1	7665	4667	13940	9554	6592	7962
DUSP4	130	148	243	201	144	167
CLU	1675	2230	2702	1693	5903	1721
TNFRSF10I	4252	2686	6190	4182	3975	3391
SORBS3	721	416	796	643	395	443
PTK2B	12717	7112	18390	13676	9169	9572
CHRNA2	52	51	62	22	134	26
ADRA1A	0	0	0	4	0	0
PPP3CC	3516	1883	4390	3554	1997	2604
PDLIM2	2256	2101	3972	2789	1632	2210
EPHX2	938	514	896	856	398	578
RNF170	1103	636	1217	954	745	794
NPPB	0	0	0	0	0	0
UBIAD1	1428	737	1712	1342	869	1191
TARDBP	2915	1737	4008	2875	2251	2223
TNFRSF8	715	263	597	394	408	313
PRAMEF2	0	0	0	0	0	0
ZNF706	3697	2181	4440	3067	930	2545
LYPLA1	2855	1904	3262	2739	1936	2330
CRISPLD1	0	2	2	0	4	5
COPS5	2449	1438	3070	2826	1521	1799
RDH10	467	271	581	481	332	303
EPX	0	0	6	5	6	4
AKAP1	1171	635	1303	834	976	819
COIL	796	445	1026	789	456	554
TRIM25	7691	5526	9939	6621	4923	5024
SCPEP1	3114	1663	4098	2740	2593	2622
SPOP	3879	2230	4374	3740	2213	2782
TBX2	0	5	0	7	3	0
SLC35B1	1017	620	1425	1300	588	859
TBX4	0	0	0	0	0	0
TEX14	32	9	24	27	25	22
FAM117A	2356	1592	3178	2688	1407	1841
NCAPH	100	46	164	101	82	60
LRAT	0	0	0	0	0	0
TMEM131I	11083	5702	11595	9225	6322	7736
MND1	17	0	7	7	6	3
TRIM6	20	23	38	26	25	30
ABCC11	21	10	22	13	15	5
TENT4B	1629	926	3980	2001	1825	1469
ADCY7	12996	7578	20924	16339	10996	10096
CEP89	664	322	634	774	367	425

TSHZ3	576	376	896	617	325	530
ECHDC2	1711	1328	3535	2426	1198	1590
TAS2R8	8	4	4	3	0	10
PLBD1	5499	3604	8551	5045	3656	4779
TAS2R10	117	16	75	78	23	81
PRB2	0	0	0	0	0	0
PYROXD1	2245	1117	3188	2174	1759	1513
IAPP	0	0	0	0	0	0
KCNJ8	0	0	2	0	4	0
TAS2R7	3	0	2	4	1	2
BCL2L14	11	7	28	31	2	8
TAS2R9	6	0	1	2	5	11
PSPC1	4119	2089	4832	4125	2629	3005
ZNF549	1302	697	1235	1249	649	1013
A1BG	147	71	161	133	125	106
ZSCAN18	636	390	554	512	563	449
ZNF211	1175	830	1514	1346	799	823
PDZRN3	0	2	0	0	0	0
RGSL1	2	4	2	0	2	5
LHX4	31	18	39	34	12	17
RNF2	1757	972	1807	1628	1090	1582
TRMT1L	1979	975	1570	1490	893	1260
SEC22A	985	582	1194	1356	773	1106
CSTA	808	446	753	544	456	591
DPPA4	146	83	59	31	41	55
POPDC2	119	101	147	159	123	83
B4GALT4	1720	895	2821	1462	1113	1079
NAA50	6569	3434	7627	3541	4508	4937
CD80	159	80	152	122	150	121
KIF18A	138	99	210	200	116	114
GJA8	0	0	0	0	0	0
DESI2	2553	1360	3049	3017	1762	2028
MAPK8IP1	67	18	87	70	37	27
CRY2	2040	1447	3067	2756	1455	1719
PEX16	709	483	984	742	607	529
DEPDC7	77	56	63	76	34	58
CAT	3082	1966	3314	3070	1899	2640
PILRB	4493	2756	6099	5270	3008	3485
ZMYM2	12850	7023	14848	12379	7989	8376
GJB6	27	5	10	42	0	6
GJA3	62	21	24	25	21	17
TBC1D15	4245	1975	4889	3562	2811	2995
ADGRB2	126	72	236	195	74	54
HCRTR1	2	2	18	6	3	0
ZCCHC17	871	574	1388	1143	834	726
FABP3	0	0	0	2	0	0
KHDRBS1	3418	2093	4417	3649	2351	2858
TMEM39B	567	311	692	635	414	466
CCRL2	242	217	532	206	286	111
CCR2	2594	1016	3542	6355	1474	3273
POLR3GL	532	277	627	617	317	461
GHSR	0	0	0	0	7	17
TNFSF10	4864	2473	4832	3535	2161	3353
ZNF639	1642	771	2378	2178	1166	1632
SLITRK3	0	0	0	0	0	0
PIK3CA	7281	3978	7788	6707	3955	5106
PDS5A	14235	7350	16344	14026	9411	10953
TMEM156	946	434	846	570	570	711

LIAS	921	400	821	756	512	688
CPXM2	2	0	9	0	2	3
TMEM54	1	6	0	8	0	2
ZSCAN20	246	127	309	280	138	200
CSMD2	0	0	0	0	0	0
HPCA	6	0	0	4	8	0
LRIF1	904	585	992	898	403	723
TMIGD3	32	7	14	16	7	12
CLCC1	2175	1105	2848	1830	1344	2115
GPSM2	277	241	428	246	178	248
GTDC1	1843	1099	2144	1959	1589	1324
CXCR4	17942	16454	30169	26998	14359	11236
ZRANB3	368	217	502	466	368	345
ACVR2A	1100	612	1653	1059	924	926
POLK	3219	2051	4083	3456	1883	3070
SV2C	18	2	9	4	7	6
FLT3	538	316	485	698	604	519
RPL21	21686	12129	21840	18505	11867	17788
MTIF3	543	316	664	460	383	479
GTF3A	2852	1408	3138	2359	1828	2265
RASL11A	32	21	20	34	14	27
UBL3	3720	2507	4811	3672	2686	2990
FYTTD1	1172	606	4546	1291	744	869
MTERF4	3011	1595	3261	2476	1903	2458
XPNPEP2	26	25	101	49	26	34
SASH3	8738	6031	14394	10128	6060	6915
OCRL	641	292	656	567	459	537
PAEP	0	0	0	0	0	0
OBP2A	0	0	0	0	0	0
MRPS2	62	134	236	267	104	216
TBX22	0	0	0	0	0	0
FMOD	0	0	0	0	0	0
MYOG	0	0	0	0	0	0
LAX1	1599	672	1684	1493	674	951
PLG	0	0	0	2	0	0
KIAA1191	2148	1229	2840	1617	2069	1835
COPA	12405	6550	15548	12920	10259	9815
CD244	3112	1832	5338	4911	2123	3290
LY9	2652	1472	3008	2067	1373	2556
HS3ST2	0	0	0	0	0	0
RBBP6	5587	3958	7907	6139	3982	4925
ZC3H7A	4209	2919	5203	3574	3797	3285
PRM2	0	0	0	0	2	0
SERAC1	587	338	819	624	525	559
ANXA11	7346	5876	10256	7395	5886	5904
LDB3	3	9	4	13	4	6
OPN4	0	0	0	0	0	0
SHLD2	2053	1186	2358	2182	1361	2117
PRXL2A	306	177	334	330	228	168
ZNF205	38	14	49	37	6	10
NAA60	1260	1093	1426	1390	1158	1002
RPL5	10823	6610	12678	10881	7290	8552
ODF2L	4197	1981	5192	3936	2439	3606
PTGFR	16	8	10	14	6	17
SPATA1	84	37	34	47	14	35
TRMT13	2348	921	2076	1790	940	1716
LRRC39	88	31	82	52	46	48
RWDD3	713	283	727	631	364	569

ZNF644	4806	3629	6640	6326	3485	3643
CCDC18	662	381	746	601	550	478
RPAP2	4168	1993	4510	4250	2248	3421
PQLC1	1136	665	1405	1078	756	965
BBS9	2285	1163	2541	2544	1396	1494
PMS2	1241	647	1457	968	659	998
ZMIZ2	3382	1918	4551	2932	2419	2823
OCM	55	36	42	43	24	35
7-Sep	9567	5918	11302	9969	7368	7663
EEPD1	533	816	1354	545	566	475
KLHL7	733	628	934	873	455	674
HERPUD2	3447	2318	5014	4323	2572	3053
CBX3	2802	1701	3757	2906	1579	3606
HNRNPA2	16687	11099	21187	17020	12019	13999
WIPF3	0	0	0	0	0	0
NXPH1	0	0	0	0	0	0
NPY	0	0	0	0	0	0
FAM126A	4891	2238	6221	4595	2689	3795
HOXA7	4	0	4	6	2	6
INHBA	25	23	94	18	24	48
FKBP9	137	139	171	113	138	124
NT5C3A	2578	1819	4445	2497	3526	2287
ARL4A	242	435	1125	646	149	231
CCZ1	2269	955	3371	2389	1627	1904
POLM	1614	776	2097	1442	1209	1086
RAMP3	0	31	2	4	34	0
MRM2	809	402	859	731	558	275
TWIST1	0	0	0	0	0	0
SMU1	4997	3155	6999	5772	4017	4241
GLIPR2	4415	3163	7544	4907	3176	3900
SLC25A51	1143	657	1566	1482	734	911
CLTA	1281	719	1630	1183	766	1188
RECK	1021	495	1017	1130	627	790
SPINK4	0	0	3	0	0	0
TAF1L	7	5	10	0	12	6
ACO1	1339	595	1494	1404	793	996
PHF24	0	44	4	0	0	0
DNAI1	0	0	4	0	0	0
DCAF10	3364	1597	3681	2690	1922	2725
CNTFR	0	0	0	0	0	0
KIAA1549	24	33	19	25	57	19
TRIM24	2507	1307	2486	2169	1561	1834
CYREN	1298	578	1457	1248	717	945
CALD1	186	236	183	140	531	144
AKR1D1	0	0	0	0	0	1
NUDT10	6	5	16	19	8	2
SFTPA1	0	0	0	0	3	0
NEUROG3	0	0	0	0	0	0
PLAU	11	33	44	20	23	22
SRGN	20673	24330	39211	21333	18855	13314
CHST3	0	0	0	0	0	0
BICC1	42	11	18	53	36	35
CISD1	224	72	177	238	110	228
EGR2	90	364	303	126	64	40
ECD	1797	1399	2606	2183	1532	1392
P4HA1	2137	1214	2432	2113	1617	1803
SLC25A16	2121	1042	3320	2255	1461	1840
ZWINT	67	47	54	52	59	23

VPS26A	1683	943	3956	3006	1977	2260
RBM19	3416	1733	4000	3258	2009	2375
CIT	171	90	240	201	75	112
IFT81	86	86	167	87	104	66
ACADS	562	251	371	535	318	332
HVCN1	2079	1206	1683	1614	767	851
DDX54	1609	922	1892	1534	1019	1270
MED13L	25985	18071	34951	26945	21593	17718
CDKN2C	180	96	279	198	183	135
RNF11	5099	4772	7148	5375	12041	5041
RASSF8	32	26	14	17	52	23
BHLHE41	144	71	98	70	128	70
SSPN	60	50	59	76	93	45
ITPR2	13141	7933	16521	13096	8954	8951
CCDC91	3240	1902	3567	3212	2043	2982
NECAB1	2	0	0	0	3	0
WWP1	6898	3509	7810	7170	4384	6056
ACOT9	2328	1224	3176	2546	1869	1695
PRDX4	355	160	479	355	242	222
DDX39A	1750	1305	2906	2287	1470	1163
PKN1	5894	3113	7618	6026	3456	3979
TRIR	1182	878	1624	1448	660	1055
ADGRE5	15377	13119	22319	18067	10383	9502
WDR83	110	101	185	161	99	107
GIPC1	593	220	639	462	389	377
ACTRT1	0	0	0	0	0	0
CCDC70	0	0	0	0	0	0
SPRYD7	252	145	314	209	151	255
EBPL	272	112	118	155	58	136
ATP7B	77	86	139	104	89	53
ZC3H13	4556	2113	4575	3681	2168	3271
NLN	1052	444	1153	1296	915	529
CENPK	391	641	2207	241	835	1711
OPTN	2386	1473	4256	2994	1772	2267
ITIH5	0	0	0	0	0	0
ATF1	1382	788	1468	1205	620	952
TSFM	581	261	553	545	312	378
NEUROD4	0	0	8	2	3	0
ARHGAP9	3858	2871	6311	4046	2209	2584
NCKAP1L	15974	13029	20763	19337	14592	13348
MMP19	39	16	15	4	15	11
PFDN5	3334	1961	4398	3059	1954	2654
SPATS2	682	270	639	627	488	440
ORMDL2	834	442	805	836	519	583
NR4A1	636	570	1924	765	1021	435
PDE1B	689	595	1059	884	876	537
HOXC13	0	0	0	0	0	0
CDK2	392	378	672	633	360	335
LRP1	40040	18100	48845	34692	33005	31307
HOXC11	0	0	0	0	0	0
ATG101	438	329	605	420	333	283
NFE2	960	743	2001	748	763	880
HOXC12	0	0	0	0	0	0
IKZF4	90	166	259	243	165	256
SMUG1	333	104	428	408	225	399
TUBA1B	5166	3766	7989	5693	5714	4305
EEF1AKMT	133	83	193	54	88	243
KBTBD4	704	431	1198	862	670	498

SARDH	165	118	190	229	53	136
DBH	20	2	12	6	2	5
ATPAF1	1224	597	1066	1127	737	922
STIL	276	211	389	224	286	240
HJURP	40	29	66	52	35	36
IL13RA2	0	0	0	0	0	0
COL10A1	13	38	22	35	96	21
AMD1	4942	3801	12612	6055	4721	4212
NDUFAF4	341	167	377	351	104	274
USP45	1611	712	1512	1263	813	1083
PLP1	4	0	0	0	10	0
SERPINA7	0	0	0	0	0	0
MORF4L2	2030	1590	2940	2159	1458	1546
H2BFWT	0	0	0	0	0	0
RAB9B	79	59	62	51	60	71
NRK	0	0	0	0	0	0
FAM199X	6244	3048	7078	6289	3749	4575
ESX1	0	0	0	0	0	0
MAGEA9	0	0	0	0	0	0
ATXN3L	0	0	0	0	0	0
RAB9A	597	362	918	791	426	701
METTL8	2129	961	1983	351	1301	1383
TTC21B	3613	1663	4035	3929	2428	2776
NMI	2198	1492	2559	1665	994	1350
TNFAIP6	41	379	384	43	131	37
ACVR1C	383	301	346	322	196	529
BAZ2B	9892	7529	12860	9434	6061	6900
SLC36A1	2000	434	2764	1399	1173	1842
LPGAT1	10137	1569	3449	9512	1760	7812
BATF3	140	44	160	161	116	94
G0S2	48	2363	1545	106	78	41
KCNJ2	694	1891	1765	387	338	751
RAP2C	4107	2656	5603	4452	3034	3047
EXOSC9	1512	831	2102	1313	1030	1001
PLA2G12A	1934	1450	2518	1855	2763	1613
B9D2	198	211	378	257	193	122
COQ8B	1212	706	1477	1011	837	976
PFKFB2	1322	700	1395	1369	1283	959
C4BPA	4	6	2	0	0	0
C4BPB	15	13	14	7	9	12
RAB38	71	45	178	143	78	73
GPR83	49	14	20	32	39	18
AGO2	12849	8116	13907	12053	9951	10211
MXD4	4135	2860	6362	5236	3247	3731
CKS2	44	40	76	38	33	46
DAW1	2	0	0	0	0	0
ACSL3	2421	1651	3839	2990	1947	2078
CHPF	108	85	177	137	76	88
DNPEP	1612	973	2126	1882	1271	1199
INHA	0	0	0	0	0	21
MOGAT1	0	6	9	0	0	9
OBSL1	24	20	45	9	25	155
FAM124B	58	62	84	105	40	86
SLC12A4	1320	894	2090	1423	923	989
ENKD1	91	68	158	72	53	84
MC3R	0	0	0	0	0	0
GCNT7	7	10	24	15	3	0
CTCFL	0	0	0	0	0	0

FAM210B	1296	616	1678	1469	1090	1392
PI3	74	735	123	39	14	7
FAM209A	87	63	103	126	75	66
SNX21	93	66	103	232	104	181
SLPI	52	167	42	3	11	35
WFDC3	2	8	5	7	4	2
TTPAL	2196	1108	1037	2329	776	880
PREX1	20445	18652	34585	21772	16063	15236
KCNS1	6	46	8	0	2	0
SLC12A5	0	2	0	0	0	1
ARHGAP4(	0	2	0	0	0	0
SDC4	275	302	630	266	754	204
NCOA3	9785	7087	8914	9057	6008	5979
PIGT	1988	1462	2637	2713	1585	1449
SEMG2	0	2	0	0	0	0
MATN4	0	0	0	0	0	0
NCOA5	1832	909	1805	1709	827	1249
VAPB	1407	1139	1565	1175	854	1705
PARD6B	415	248	511	478	262	323
ATP5F1E	2257	1463	2951	2621	1943	1873
CHD6	8691	4191	9370	8148	5089	6394
PLCG1	8280	4069	8475	7557	4317	5275
TOX2	25	29	98	21	34	23
SRSF6	16076	11201	22803	19260	14416	12831
GDAP1L1	8	0	5	4	0	0
GTSF1L	10	6	21	11	9	6
ARFGEF2	8537	4163	9657	8929	6052	6358
ZNFX1	8259	6259	12440	8852	6024	6458
ZNF831	8919	4223	10268	11399	4983	6550
EDN3	24	0	22	27	13	7
CSE1L	3285	1789	3561	3228	1964	2670
TMEM189-	0	0	0	0	0	0
RAB22A	5848	2559	5530	5108	2857	3900
PTGIS	0	0	2	0	0	0
STAU1	3229	1946	2621	2891	2179	1485
CDH26	204	106	228	201	187	139
SNAI1	28	33	123	104	59	29
MOCS3	471	195	381	368	166	291
STX16	2064	1408	3641	2069	1072	2315
PMEPA1	400	214	269	237	285	197
RNF114	3391	2350	3934	4105	2292	3243
ANKRD60	2	0	0	0	0	0
DDX27	1426	1215	2304	1769	1222	1091
RBPJL	0	0	0	0	0	0
SEMG1	8	10	8	0	0	0
C20orf85	0	0	0	0	0	0
BCAS4	2675	1419	2024	1996	1335	1442
KCNK15	0	0	0	0	0	0
TP53TG5	6	15	14	20	5	3
PCK1	0	0	0	0	0	0
ZBP1	1364	841	2131	1665	1112	886
NEURL2	23	13	62	11	47	34
MAGEA10	0	0	0	0	0	0
MTRR	2155	971	1669	1439	995	1604
FASTKD3	414	190	527	438	176	408
PEPD	1170	644	1509	1348	944	891
CHST8	29	5	6	6	14	5
IQSEC2	664	438	981	784	519	498

VAMP7	1594	774	1519	1270	1912	860
IL9R	10	35	90	52	79	15
XG	14	3	8	15	9	6
STAMBP	1628	1015	2024	1638	1064	1465
NAGK	5096	3225	5589	4243	3562	3021
MCEE	239	122	325	132	130	154
PAIP2B	857	442	938	676	401	662
SNRNP27	787	564	1050	923	407	741
MPHOSPH	878	541	1155	1022	539	821
IL17C	18	14	10	9	12	23
ATP8A1	15081	6756	14866	12986	8281	8999
USP22	8433	5156	10138	8508	7427	6690
POF1B	40	2	26	17	15	20
HIF3A	0	0	0	0	0	0
ZNF576	215	176	345	270	225	206
IRGC	0	8	0	0	2	0
ZNF45	693	280	672	571	408	838
LYPD3	31	20	75	49	13	15
PSG8	0	0	0	0	0	0
CEACAM8	179	87	349	101	103	324
NDP	0	0	0	0	0	0
USP9X	19972	13957	23271	19917	13321	16619
CRISP2	2	0	3	0	0	23
F13A1	14373	22572	33095	16579	56927	20252
GRM4	2	0	9	2	17	4
TRERF1	3871	2190	5191	4576	2705	3018
PACSIN1	104	97	196	165	202	121
BTN2A2	1777	585	1431	1127	1247	545
SIRT5	1135	538	1256	960	542	865
MRS2	2051	844	2087	1666	1250	1333
WRNIP1	1543	949	1993	1660	1489	1319
RRP36	776	460	1116	823	449	627
BTN1A1	11	11	7	16	8	4
SNRPC	498	187	564	482	297	265
SLC17A3	25	9	22	24	22	27
SLC17A1	1	4	0	2	0	4
SERPINB6	5288	2091	5946	4916	2982	2749
XPO5	3114	1590	3517	3360	2066	2111
ABCC10	3388	1629	3948	3168	2077	2630
HIST1H1D	4069	1745	4325	3902	2467	2575
PEX6	1398	719	1427	980	590	909
NQO2	886	1071	2269	453	1012	613
AL365205.	255	136	299	239	187	156
OARD1	1362	677	1226	1227	823	1091
UNC5CL	311	144	291	211	197	200
AARS2	1158	622	1485	1344	825	982
HIST1H1A	10	7	24	11	0	13
ZNF391	138	27	81	59	61	98
RPS10	18842	10460	20463	18568	13432	14488
MOCS1	53	13	53	268	40	40
HIST1H2BJ	328	319	684	450	797	394
MED20	470	299	478	680	282	313
OR2B6	2	1	2	6	15	0
TBCC	1410	814	2057	1925	887	1135
SPDEF	9	2	6	9	5	5
TCP11	0	0	1	0	0	0
MAD2L1BP	447	369	865	579	328	608
APOBEC2	3	0	1	5	5	3

KLHDC3	2306	1188	2458	2253	1483	1683
GNMT	47	42	79	55	76	34
DNAH8	103	84	51	75	52	142
TREM1	2814	7590	9966	3937	3056	2154
MEA1	537	168	388	229	179	209
KLHL31	15	4	15	8	0	5
COL21A1	0	0	10	4	0	4
CDKN1A	1460	1665	3998	1717	2391	1169
SOX4	694	644	1112	765	442	844
GLO1	1974	973	2294	2089	1226	1218
CPNE5	759	622	891	448	1044	563
KCNK17	0	28	9	30	29	0
RREB1	9268	4948	10103	7180	6123	6293
SSR1	13090	4113	6520	7033	5836	8050
RIOK1	889	619	1182	964	573	774
NRN1	5	10	11	3	3	2
SLC35B3	1130	318	1136	880	499	674
RPP40	126	88	132	157	49	97
ATXN1	9320	6147	13362	10267	6479	7522
NUP153	8413	4927	9668	7987	4841	6116
DEK	6382	2769	2694	6500	4097	5120
EEF1E1	378	184	426	407	226	354
CRISP1	0	0	0	0	0	0
RUNX2	3052	589	1326	895	1713	615
OPN5	0	0	0	0	0	0
GCM2	0	0	0	0	0	0
LRRFIP1	20042	12536	24653	21033	14315	14397
RAB17	12	0	7	4	2	0
CXCL6	5	38	13	0	4	3
EREG	206	193	799	1023	476	120
TRIM51	0	0	0	0	0	0
MYRF	89	33	134	274	78	84
SCGB1D2	0	0	0	0	0	0
SCGB2A1	0	0	0	0	0	0
AHNAK	8236	172392	12129	399149	230490	249578
EMC3	1460	1228	2557	1484	2073	1364
SSUH2	2	0	4	0	2	4
WNT1	19	17	23	22	9	11
SH3TC1	3083	1822	3665	3667	3107	2283
CNOT1	22766	11593	25490	23064	13890	16548
LRRC29	134	83	266	107	107	130
BBS2	2154	1247	2487	2344	1328	1669
MT1G	0	2	0	0	0	0
MT2A	59	46	90	85	38	93
C16orf70	1498	832	2130	1378	1185	1169
GOT2	1262	629	1615	1377	864	1075
DOK4	53	53	77	66	30	71
PIWIL1	0	0	0	4	0	0
GPR18	411	184	468	328	250	248
CLYBL	440	205	320	309	261	231
TMTC4	901	551	1050	1500	785	1220
RAP2A	4087	1607	5334	4475	2802	2917
SLC10A2	0	0	0	0	0	0
ABCC4	1935	1875	2918	2677	6992	1823
EFNB2	37	35	57	46	42	21
SOX21	0	0	2	0	0	0
TM9SF2	10302	5833	11156	9066	6801	7241
C17orf53	22	17	40	53	34	16

KIF25	0	0	0	0	0	0
IRF1	18095	25700	49171	23536	19728	11790
UPF3B	536	297	419	467	358	403
RNF113A	385	235	487	437	212	326
6-Sep	8989	4961	9723	7197	5421	8151
TMEM255A	10	24	89	167	8	34
NDUFA1	426	286	437	474	286	325
AMELX	0	0	0	0	0	0
ATP5S	3244	1814	3643	498	1557	331
BMP4	2	2	7	6	0	0
PTGER2	2954	1450	4413	4694	1819	2545
FAM193A	2979	1788	3838	2829	2069	2226
GRK4	182	73	152	165	117	102
SOX9	0	0	0	0	2	0
TEKT3	0	5	0	2	1	0
MYH2	0	0	0	1	0	0
HS3ST3B1	2138	1011	1951	1823	806	1552
SLC25A35	279	139	426	319	137	207
MRPS7	635	421	816	756	495	441
GGA3	2905	1517	3210	2502	1765	1623
ARMC7	430	379	661	220	344	367
NUP85	1724	1109	2200	1903	1161	1485
SLC25A19	446	245	424	331	339	362
MIF4GD	407	355	605	529	339	350
NT5C	371	186	365	263	142	216
MSTO1	680	262	702	624	387	433
C1orf61	50	44	208	142	84	74
TTF1	782	484	1131	690	525	548
GTF3C4	2490	1324	2598	2506	1333	2118
DDX31	1182	486	1272	1030	641	673
BARHL1	4	0	0	2	0	2
KIR2DL1	137	73	399	226	270	75
PPP1R12C	3479	2983	5633	3422	2782	2395
MBOAT7	2461	4173	4773	2006	1701	1534
SRMS	0	0	2	0	0	0
OPRL1	489	249	507	347	323	366
SLC2A4RG	759	462	958	792	382	498
NPBWR2	0	0	0	0	0	0
FNDC11	32	23	36	35	15	36
BHLHE23	0	0	0	0	0	0
PPDPF	512	217	445	384	327	620
IL1B	1138	5829	18499	3223	6292	425
PLGLB2	441	254	383	406	420	407
IL37	0	0	0	0	0	0
CHCHD5	189	163	279	189	172	95
PAX8	4	6	93	38	31	20
INSIG2	891	536	1420	1623	624	1349
POLR1B	2085	854	2511	2234	1475	1302
CCDC93	4668	2877	5492	4528	3269	3746
PSD4	9862	6486	15079	11318	6507	7876
SLC25A23	312	148	370	308	264	255
PSPN	122	72	138	142	68	131
GTF2F1	1272	813	1782	1325	837	1009
ALKBH7	517	236	648	591	358	450
CLPP	303	209	380	283	185	246
TNFSF9	54	35	110	71	142	22
GRIA3	0	0	4	0	0	2
THOC2	7685	4101	8914	7620	5019	5842

MED1	3526	2583	5496	4323	2393	3161
RPL23	8703	4788	8436	7537	4647	5335
AC046185	0	0	0	0	0	0
ATG4C	1257	623	1048	877	609	877
CD70	26	10	30	11	44	19
C3	136	143	156	172	185	201
SH2D3A	827	565	939	873	363	933
TRIP10	99	67	192	117	137	67
GPR108	1448	873	1895	1552	1042	1131
TNFSF14	176	222	349	552	221	208
FOSB	246	1753	2007	3387	685	302
OPA3	1386	911	1782	1413	930	1029
SNRPD2	468	674	1396	478	771	1015
RTN2	57	95	182	78	161	61
EML2	1030	616	1424	1143	633	911
VASP	3678	3469	6028	3745	2483	2621
SYMPK	4960	3145	6780	4765	3566	3907
GPCPD1	19288	13140	25834	15517	13731	14615
SDCBP2	46	37	55	49	45	24
PANK2	2560	1550	3186	2538	1806	2162
TGM3	6	61	29	6	5	0
GNRH2	11	15	19	13	6	9
DEFB126	0	0	0	0	0	0
FOXA2	0	0	0	0	0	0
CD93	14799	11539	19708	12566	12537	11767
GZF1	944	636	909	634	882	435
PAX1	0	0	0	0	0	0
NAPB	1204	843	2457	2387	1445	1766
CST8	0	0	0	0	0	0
NKX2-4	0	0	0	0	0	0
CENPB	2511	1112	3281	2695	1581	1495
PSMF1	2705	1305	2729	2103	1515	1874
NKX2-2	0	0	0	0	0	0
DTD1	1086	486	1256	1053	730	852
CSTL1	0	0	0	0	0	0
RBCK1	1865	1223	3086	2129	1276	2012
TMX4	8110	6082	13013	9717	6069	6868
CST11	0	0	0	0	0	0
STK35	2241	1586	3034	2246	1459	1740
SNRPB	2154	1657	3999	2771	1986	1732
NRSN2	34	11	59	33	17	39
AP5S1	758	464	724	640	517	416
RRBP1	1891	1118	2261	1989	1338	1260
BMP2	6	32	4	20	2	2
ZNF133	296	168	351	200	157	340
FLRT3	0	0	0	0	0	0
OVOL2	0	0	0	0	0	0
PCSK2	0	0	0	0	0	0
GFRA4	0	0	0	0	0	2
MKKS	1173	563	1060	1032	726	646
BFSP1	35	34	63	77	14	35
DSTN	1931	892	2405	2232	1871	1502
LAMP5	38	58	71	91	123	30
SNRPB2	897	439	869	709	469	577
MGME1	455	303	645	450	266	328
LRRN4	0	0	0	0	0	0
TBC1D20	1868	1473	2682	1358	1252	1681
ITPA	875	408	1052	829	494	535

TCF15	0	0	0	0	0	0
OTOR	0	0	0	4	0	0
MCM8	1017	457	1502	1111	564	842
BANF2	0	0	2	0	0	0
TMEM74B	6	10	12	2	10	6
FAM110A	321	814	820	1373	444	1038
SIRPD	72	163	257	183	32	133
MRPS26	353	232	477	422	257	340
DEFB129	0	0	0	0	0	0
S1PR4	2780	1671	3224	2398	1206	1913
NCLN	2046	1328	2862	2400	1683	1889
CITED1	2	0	2	2	2	2
HNRNPR	8234	3309	7057	6820	3633	5943
ZNF436	797	422	826	789	479	582
MAX	4507	3951	6945	5189	6022	3793
CHURC1-F	19	26	31	44	20	24
ARMCX5	910	210	291	887	463	239
GDF5	0	0	0	8	0	0
MMP24	49	32	84	37	24	22
NECAB3	246	102	272	308	163	211
ID1	3	51	106	52	10	10
RALY	5334	3653	7221	6052	4005	4036
DYNLRB1	387	247	590	406	442	339
C20orf173	0	0	2	3	0	0
EIF2S2	1830	909	1793	1692	971	1256
ERGIC3	3030	1529	3798	2823	2228	1895
ROMO1	111	82	213	164	76	109
FAM83C	0	0	0	0	0	0
BPIFB1	0	0	0	0	0	0
CEP250	2764	1610	3283	2619	1554	2114
PLAGL2	3493	2127	5051	3289	2151	2728
MMP24OS	1478	1007	1379	1651	963	852
GRPR	21	19	18	8	17	22
KDM5C	6130	6441	8979	6845	4319	7585
AMOT	510	184	724	589	248	414
TMEM115	991	671	1547	1096	587	757
PSMB2	2449	1312	3375	2746	1867	2153
AGO3	7957	5222	3678	7199	3467	6319
UROD	551	330	732	664	401	389
ST3GAL3	1918	1104	2060	1850	1453	1183
TMEM53	90	50	117	68	34	39
HECTD3	1699	937	2202	1979	1008	1290
KLC1	8444	4737	10180	9422	5448	6220
XRCC3	432	249	649	408	273	350
TUBGCP3	4226	2371	5221	4203	3041	3246
MCF2L	546	375	648	432	301	388
F10	0	0	3	2	0	0
PCID2	2285	1345	3654	2644	1489	2034
PROZ	0	2	0	0	0	0
SLURP1	0	0	0	0	0	0
LRFN3	169	114	237	214	115	162
IGFLR1	652	258	812	702	502	493
CAPNS1	5983	3459	8313	6138	5284	4355
PDCD2L	72	42	88	49	29	59
GPR42	1	10	14	1	2	0
RBM42	733	448	1065	911	483	594
KIRREL2	0	0	5	6	10	2
UBA2	3824	2202	4110	3756	2307	2724

FFAR2	787	4285	5511	477	455	129
HCST	710	422	885	680	453	487
FFAR1	17	24	140	35	22	24
COX6B1	522	378	631	537	375	447
KRT36	5	3	0	0	3	5
THRA	1524	1044	1972	1416	1094	1358
CCR7	5034	3011	3231	2932	1685	3626
NR1D1	348	321	690	468	416	413
FRMD8	2279	1759	3581	2669	2118	1789
PRDX5	475	366	625	458	355	413
BCL2L12	161	72	243	165	119	143
IRF3	2553	1388	3570	1794	1624	2035
PRMT1	1780	1155	2132	1894	1104	1234
RRAS	276	133	224	340	205	202
PRRG2	10	10	12	4	16	16
SCAF1	1988	1108	2675	1873	1048	1390
PRR12	3686	2192	4764	3492	2335	2684
TSKS	47	49	18	39	35	57
FLRT1	3	4	6	2	3	7
ASL	590	478	774	658	408	508
SBDS	1168	1526	2942	1976	1279	1139
CSN1S1	0	0	0	0	0	0
STATH	0	0	0	0	0	0
HTN1	0	0	0	0	0	0
STAT5A	5095	3344	6441	2777	3602	2319
WNK4	10	8	17	4	8	5
BECN1	2435	1724	3315	2323	1680	1601
PRKCG	5	9	6	6	2	3
TRAP1	1782	870	1952	1586	1111	1320
GLIS2	2	15	5	0	11	0
NSRP1	1072	421	985	823	643	668
DNAJC8	810	559	1182	2430	660	1592
AHDC1	1324	739	2048	1343	803	968
IFI6	700	461	1727	1010	626	413
DACH2	0	0	9	0	0	0
ZNF384	1341	1190	2086	1553	708	1324
EMG1	1836	954	1999	1879	1229	1399
SSX1	0	0	0	0	0	0
UXT	1527	756	1742	1478	910	1103
CFP	2599	1669	3643	2082	1964	1789
ELK1	866	460	1155	862	597	692
TIMM17B	413	320	677	597	341	369
PCNX4	5725	2606	5583	4678	2901	4259
ATG14	2801	1322	3381	2401	1661	2031
KTN1	7241	3720	7911	6832	4059	5580
SIX1	0	0	0	0	0	4
RHOJ	0	0	0	0	0	0
DLGAP5	56	14	63	58	37	41
L3HYPDH	770	285	777	452	371	560
HSPA2	32	18	36	27	25	25
ZBTB1	4365	3494	7539	5744	3392	3517
TRMT5	672	193	524	353	233	398
SGPP1	2097	1076	1998	1866	1320	1328
PLEKHG3	5108	4960	11950	9114	4146	4498
PZP	42	27	79	53	33	43
PRDM7	0	0	0	0	0	0
RHOT1	3065	1721	3807	2707	2320	2521
EVI2A	3038	2093	3134	2103	2767	2537

OMG	58	88	94	71	57	65
WDR60	1069	412	947	739	621	736
AIF1L	0	2	3	8	0	0
FAM78A	7780	3522	9131	7398	2129	5642
NUP214	5439	2901	6187	5035	3861	3515
CTAG2	0	45	0	0	0	0
AVPR2	26	37	33	24	13	19
SLC10A3	533	394	296	601	554	328
MAP2K2	2533	1696	4244	2591	2379	2470
HNRNPH2	3103	56	57	52	61	2292
ARMCX1	96	38	58	65	46	44
TMEM35A	0	0	0	0	0	0
NXF5	6	3	7	3	0	2
TIMM8A	315	140	368	252	171	224
ZC4H2	283	265	327	356	168	322
CANX	17095	9204	19858	17400	12875	15585
INTS11	1716	1327	2809	2163	1407	1543
RGS13	22	3	28	35	11	14
IPPK	877	415	930	762	496	583
ZNF484	1778	992	2137	2278	785	1431
OMD	6	0	0	2	0	0
FGD3	9953	7232	14137	10336	5950	7132
HIVEP3	2533	830	2252	2082	1236	1491
PPCS	1032	783	1765	1002	723	1004
EDN2	0	0	0	0	1	0
BCL11B	20573	8895	18647	16446	7823	12927
COX7C	1954	797	2082	2092	1317	1552
TRAF2	652	405	1002	746	463	548
ABHD8	337	216	448	316	234	297
MASP1	3	2	3	0	0	0
ATP13A4	254	112	374	190	147	152
HRASLS	19	25	31	27	125	41
HELB	4669	4392	12571	11221	5144	10124
RAP1B	31462	13545	35111	28215	22852	19337
IL22	0	0	0	0	2	0
TSPAN8	0	0	0	0	0	0
BEST3	9	2	17	17	18	26
RAB3IP	1679	948	1328	1453	871	1201
PTPRB	123	11	82	59	99	48
DYRK2	13251	4789	14287	13458	6725	10862
YEATS4	423	281	491	610	272	154
TAS2R3	187	48	91	90	52	115
TAS2R4	345	146	195	222	108	297
TAS2R5	170	48	85	84	71	116
CRYGN	20	17	18	26	27	0
LRRC61	286	192	222	356	134	119
TRPV5	3	2	5	19	6	0
IDUA	711	431	881	553	467	425
FGFRL1	448	402	625	433	416	332
TMEM175	1114	627	1561	1071	800	737
AUNIP	18	13	10	13	14	8
PIN1	1216	796	2022	1607	828	1044
FBXL12	414	265	638	479	340	461
EMC1	3529	1529	3328	3092	1892	2385
PLA2G5	0	0	0	0	0	0
UBR4	30186	19417	40269	33011	23447	23158
HP1BP3	12630	7327	15779	12938	8000	10460
ADGRE2	2960	3341	4101	2410	2306	2291

SIN3B	4507	2569	5901	4200	2975	3391
OR7A10	0	0	0	0	0	0
SLC35E1	2450	2156	1751	1467	1258	1776
EPS15L1	3007	2988	4695	3761	2335	2172
KLF2	10470	4257	10074	8670	2951	4670
OR7C2	0	0	0	0	0	0
OR7C1	0	0	0	0	0	0
F2RL3	97	77	110	45	148	62
UQCR11	800	461	1000	775	564	569
GFER	257	159	410	329	255	179
SYNGR3	26	13	81	26	13	17
PKMYT1	33	9	56	24	25	21
WFIKKN1	63	42	100	39	46	67
WDR24	475	355	671	639	346	387
FBXL16	168	99	248	142	89	185
CHTF18	468	208	468	393	266	283
GNG13	2	0	0	0	0	0
MACF1	58973	29418	68135	66688	37543	39558
SMARCA4	3827	2358	5031	3566	2330	2594
KDM4B	4788	5024	8376	5244	3889	3513
TICAM1	681	652	1348	722	597	515
METTL25	985	442	990	1075	576	815
IL17B	0	0	0	0	0	0
EMC6	196	143	277	237	185	169
OR1E2	0	0	0	2	2	6
METTL16	1590	690	1489	1624	993	1276
TUBA4A	2462	2320	4577	1850	2622	2570
VIL1	209	220	341	245	579	246
AAMP	1055	770	1586	1244	943	969
PNKD	969	716	1591	1232	1268	756
TNFRSF19	12	6	17	23	26	18
RNF6	1598	1620	3342	2802	1778	2170
ECHS1	1150	547	1492	1318	951	718
ZNF835	129	25	29	142	56	71
AKAP9	12634	6699	13243	11793	6733	9219
GNG11	351	431	673	290	1112	455
SEM1	1220	514	1109	1045	490	944
GNGT1	0	0	0	0	0	0
HIP1	2148	2012	3494	2423	1505	1492
PTPN12	7861	5816	9957	7729	6720	5306
POR	1962	1100	2672	1902	1410	1375
FGL2	33965	15304	33037	27936	22217	24466
STYXL1	367	231	486	400	267	270
STEAP4	2792	6038	8889	2069	1044	2307
GNAI1	100	74	109	67	59	94
PEX1	2277	1052	2186	2056	1107	1644
MTERF1	1328	403	1310	776	560	1048
SGCE	113	61	82	95	61	157
RBM48	1665	1132	2169	1708	1047	1185
CASD1	3557	1649	3701	3301	2185	2704
ZNF780B	6607	2027	4751	4328	2827	4259
LRFN1	646	459	746	512	266	295
ZFP36	2286	4898	2774	3517	1978	1781
SRD5A3	336	136	291	285	133	286
SPINK2	53	17	32	21	19	31
RASL11B	2	0	0	3	7	0
PAICS	1890	1007	1883	1799	1055	1299
KDR	0	3	0	2	0	0

PPAT	940	475	874	741	530	664
TUBGCP6	6627	3977	8932	6957	4451	4677
ADM2	37	45	62	29	11	23
DGCR6L	493	208	428	456	326	232
DGCR8	1693	910	2296	1862	1218	1601
ASPHD2	434	248	564	477	368	355
VPREB3	113	74	184	48	49	50
SDF2L1	126	85	208	146	115	113
GAL3ST1	3	7	10	6	10	11
YWHAH	2519	1802	3390	2587	3711	2313
RFPL1	6	5	3	6	0	0
RFPL2	25	21	74	47	33	70
GNAZ	1305	1495	2006	1271	4455	1039
MGAT3	17	13	14	11	14	14
ADORA2A	1065	1214	1904	948	1041	680
ATF4	5320	4702	9188	6887	5948	4557
A4GALT	0	0	4	0	0	0
RFPL3	0	0	0	0	0	0
CDC42EP1	151	31	52	81	75	141
APOL3	3023	1646	4473	3352	2293	2203
MCHR1	4	0	0	2	0	0
TPST2	4779	2819	6996	7922	3674	4290
BAIAP2L2	34	16	46	34	13	22
MPST	397	341	908	445	354	276
GALR3	0	0	0	0	0	0
TST	262	284	541	359	533	240
APOL5	4	0	2	0	0	0
IGLL1	1	0	0	0	5	5
APOL2	1939	1259	2125	1810	907	1297
RAC2	7098	5000	9098	6508	4312	5207
LIF	12	16	27	5	19	4
C22orf23	9	1	8	2	0	0
APOBEC3A	791	1414	3116	1274	1128	986
APOBEC3F	999	513	1266	1037	622	731
RIBC2	8	0	4	4	2	6
KRT17	0	0	0	0	0	0
EMC4	945	617	1486	1545	809	494
RNF112	36	32	48	30	16	19
SPECC1	1546	797	2024	1785	1553	1250
CPA4	0	0	0	0	0	0
DOCK4	361	814	1009	224	451	424
POT1	1350	556	1041	1086	543	939
TAS2R16	0	0	0	0	0	0
ATP6V1F	1056	570	1537	1226	761	858
LSM8	3186	1620	2647	3345	1993	1740
CDHR3	644	339	924	595	354	410
PRKRIP1	1531	962	1934	1449	1078	1139
VGF	0	0	2	0	0	0
PODXL	87	68	123	105	78	100
FOXP2	0	0	4	0	0	2
STRIP2	97	86	141	135	224	50
IFT22	52	23	65	45	23	40
MKLN1	5741	3397	16386	5249	3743	4460
DNAJB9	1562	1501	2152	2018	1212	1264
FLNC	0	0	4	13	0	2
LRRC4	200	678	677	128	105	141
CALU	2488	904	2326	2224	1729	1332
CCDC136	232	99	321	342	144	242

SMO	8	10	10	8	12	16
IRF5	2162	1465	2516	1423	1473	1549
LRRC17	13	11	12	21	13	14
KLHDC10	3220	1672	3710	3231	2141	2422
NDUFA5	1215	1240	1866	1793	894	1064
FEZF1	0	0	0	0	0	0
OPN1SW	0	0	1	6	2	0
MRPS12	419	205	448	366	205	258
MYO1B	243	65	141	99	41	75
HOXD1	0	0	0	0	0	0
HOXD3	0	0	0	0	0	0
MTX2	338	158	371	289	167	252
PDE11A	0	0	5	0	0	0
CHN1	83	42	81	109	48	102
GAD1	7	7	2	4	0	0
OSGEPL1	409	224	474	378	221	424
ORMDL1	3651	1814	4056	3532	2482	2984
HAT1	1566	1091	1897	1843	902	1116
HOXD9	0	0	0	0	0	0
HOXD10	0	0	0	0	0	0
HOXD11	0	0	0	0	0	0
HOXD13	0	0	0	0	0	0
HERC2	10006	4139	9904	9072	6001	6146
SNRPN	2232	1151	2557	2441	1728	1911
PSMG2	1433	790	1868	1586	1026	1274
TWSG1	805	441	941	1053	849	589
ARHGAP2	338	51	291	171	153	119
WDFY4	12927	6696	16670	9591	10904	6838
EIF2AK4	2929	1333	3017	3029	1727	1980
MYO5C	102	51	95	105	90	27
CGNL1	0	0	3	2	2	0
TMOD2	5391	2594	5872	3509	2564	3492
TTBK2	5672	2831	6233	5399	3268	4203
ELL3	69	53	61	80	46	58
CCDC32	2763	1357	2763	1858	1501	1653
INO80	4931	2656	5975	5128	3491	3513
ICE2	4572	1718	4437	3422	2379	3611
DLL4	0	2	10	2	2	6
ALDH1A2	17	48	107	23	23	15
MINDY2	891	1331	850	995	1944	638
IVD	3180	1010	3372	3171	2111	2418
KNSTRN	260	79	296	184	88	198
DUT	640	390	770	473	338	526
CHAC1	12	6	3	9	2	7
CLN6	656	458	1061	840	529	622
ARPP19	9425	6302	12264	9809	8053	6931
VPS13C	53826	26998	68272	60622	36704	40729
CALML4	582	250	443	82	387	438
ISLR	0	0	0	0	0	0
THAP10	16	4	8	8	10	4
LOXL1	9	26	47	7	3	24
ACKR4	4	9	22	10	7	12
ANAPC13	835	406	654	540	412	531
MBD4	1899	1169	2308	1732	1321	1172
COPB1	6944	4094	8778	8193	4872	5467
PSMA1	2598	1538	3571	2836	2409	2138
SUMF2	2939	1239	4672	2275	1536	2094
PALLD	915	250	1364	928	347	546

SPCS3	15946	9314	19477	17641	12406	13496
BBOX1	0	0	0	0	0	0
MYOD1	0	0	0	0	0	0
SERGEF	1367	682	1631	1415	715	1012
KCNC1	14	5	5	7	0	5
TPH1	284	74	245	178	115	136
CSRP3	0	0	0	0	0	0
E2F8	29	23	48	37	18	28
DCTD	1239	819	1708	1185	1184	948
SOX15	12	0	13	10	4	6
PIMREG	8	0	16	8	10	5
RPAIN	2526	1514	3514	2783	1531	2143
USP6	8	11	16	8	2	6
SHBG	1	0	0	0	0	2
PLD2	927	578	951	997	839	744
AIPL1	0	0	0	0	0	0
CD68	2423	1237	3023	1885	1973	1824
TXNDC17	260	123	327	345	143	155
ATP1B2	0	10	13	0	0	5
FXR2	1152	844	1870	1205	859	1011
KIF1C	1460	853	1856	1504	982	1175
MPDU1	364	301	486	612	424	369
PHF20L1	9679	6546	11118	9239	6658	7501
LRRC6	39	94	45	48	67	91
CCNT1	4763	3175	6196	5484	3700	3674
PUS7L	5918	2868	5898	4842	3181	4529
KRI1	839	744	1103	1065	650	686
ILF3	13487	7838	17719	9941	7111	10558
SLC44A2	9983	7241	13578	8900	7326	6781
AP1M2	32	48	37	15	68	17
CDKN2D	1150	1304	2111	1400	2066	862
MTUS1	302	120	367	411	74	353
KLK14	16	2	10	8	9	6
SIGLEC9	2069	1135	2309	1355	1154	1285
KLK10	0	0	0	0	0	0
KLK8	0	0	0	0	0	0
NGDN	824	722	1442	1239	689	628
RIPK3	950	636	1223	1121	660	830
ADCY4	254	174	454	245	264	224
RAB2B	1464	941	2064	1956	1118	1411
BCL2L2	979	567	1239	96	963	736
AJUBA	65	37	60	29	37	45
DTD2	674	348	711	678	355	452
PARP2	285	206	519	340	212	220
HEATR5A	3153	1503	3769	3025	2186	2549
FOXA1	0	0	0	0	0	0
SNX6	4384	2388	5105	4281	2860	3428
EAPP	1690	992	2228	1683	923	1239
EGLN3	217	225	354	200	528	229
MIS18BP1	5052	2433	5447	4341	3041	4215
NRL	58	64	138	111	111	72
RNASE1	32	6	7	0	12	0
NEDD8	1086	579	1029	832	619	571
DAD1	976	712	634	499	1100	679
TEP1	12289	6379	14496	13291	9622	8906
EPB41L4A	322	321	739	625	429	519
CDO1	12	4	12	21	1	0
REEP5	5713	3020	6865	5147	4304	4961

ITFG1	3143	1595	3212	2734	2175	2312
QRICH2	247	175	313	246	136	247
FOXJ1	28	5	12	15	12	8
SEC14L1	7514	11727	14984	7546	7497	4590
RHBDF2	4290	2264	6116	4049	3360	2598
AANAT	10	5	16	3	12	3
ARHGEF6	11741	6718	15087	13184	8134	9071
MAP7D3	522	270	526	592	314	442
FGF13	17	42	52	16	11	22
ASH2L	2393	1251	2831	2325	1644	1877
TTI2	492	291	559	581	303	523
ART1	0	0	0	0	0	0
CHRNA10	93	38	62	34	28	45
CDKN1C	661	148	324	367	480	441
SGO1	73	26	85	29	22	36
RPS4Y1	5665	0	6166	5333	3370	0
VCY1B	0	0	0	0	0	0
VCY	0	0	0	0	0	0
CDY2B	0	0	0	0	0	0
CDH15	0	0	0	0	0	0
KLF16	1117	918	1365	1008	787	841
TMEM8A	2101	1211	3025	2621	1573	1566
DOHH	180	104	207	116	76	97
MAU2	3120	2017	4320	3427	2436	2466
SHC2	15	0	7	40	2	19
PLPPR3	22	12	42	13	3	14
INS-IGF2	0	0	0	0	0	0
ABHD17A	5213	2717	8683	7813	3474	3503
LBP	1	0	0	0	0	0
SYT5	0	4	16	3	0	0
TNNI3	0	0	0	0	0	0
CBFA2T3	1492	773	1269	849	869	784
GAMT	100	66	100	64	57	72
PUDP	1028	636	874	726	551	997
ERMARD	1716	626	1850	1416	1066	1197
PHF10	5482	3086	6270	4939	3308	4495
PRRG3	0	0	0	0	0	0
GALNT8	61	37	62	50	28	107
KCNA5	3	6	17	25	9	7
CRACR2A	3015	1836	4418	3982	1789	2362
NXNL2	2	0	0	0	0	0
STARD8	995	342	988	767	742	493
FAM155B	0	0	0	2	0	0
GDPD2	0	0	0	0	0	0
SAT1	11369	15181	24264	9378	8392	7363
GNL3L	2468	1430	3181	2781	1694	1770
SH3BP4	191	97	176	262	203	166
MOSPD2	2114	2341	4170	2749	1813	2419
DOCK6	80	50	366	66	31	41
ECSIT	499	243	473	446	332	306
LDLR	1435	1246	2895	2091	1248	1149
ELOF1	467	318	512	417	301	320
TSPAN16	0	2	15	0	4	0
ANGPTL8	0	0	0	0	0	0
PRKCSH	3607	2265	4234	3581	2268	2748
CNN1	7	10	13	9	60	15
CDC16	3589	2014	4799	3550	2738	2968
ZSCAN10	0	2	4	8	0	4

THEM6	419	240	559	527	254	289
NECTIN2	105	230	214	94	216	80
APOE	0	1	8	20	15	10
TOMM40	762	383	977	864	501	532
APOC1	0	0	0	2	0	3
GADD45G	0	4	9	10	0	7
LRCH2	0	0	0	0	0	2
DPP6	0	0	0	0	0	0
XPO7	5640	3319	6660	5478	4457	4238
ACE2	0	0	0	0	0	0
FAM98C	639	401	804	534	267	607
SAFB2	3522	2874	5389	3975	2554	3232
RPL36	898	800	807	947	405	647
ATP8B3	191	86	330	281	168	166
GDF1	0	0	0	0	0	0
NCAN	2	0	0	6	0	0
KIF1A	0	0	0	0	0	0
GTPBP3	578	173	537	445	310	429
PLVAP	22	7	20	57	22	13
BST2	2299	1081	3300	2447	1476	1741
SLC27A1	1304	552	1485	922	788	723
NSUN5	746	489	1086	772	521	752
USHBP1	0	4	2	0	2	4
COLGALT1	6223	3354	7500	5584	5167	4308
DDA1	975	826	1628	222	870	888
MRPL34	214	121	209	201	111	160
PGLS	844	723	1179	682	705	572
LSM7	312	221	480	255	256	215
TULP4	4899	2563	6691	6952	3858	4328
SNX9	2310	1264	2231	1907	1398	1308
RTN4IP1	416	180	443	325	244	301
QRSL1	2214	1011	2072	1529	1362	1191
C6orf203	402	141	365	316	196	297
RSPH3	739	472	689	673	561	534
MAS1	3	4	2	0	16	0
ACSBG2	0	3	0	0	0	0
MLLT1	1797	1127	2427	1817	997	1356
FUT5	0	4	4	1	3	2
BMP15	0	0	0	0	0	0
AFDN	1095	410	1876	1068	529	592
ACTN4	5754	4357	8959	6956	4095	4351
STK33	181	30	99	79	37	95
NDUFA10	6484	2904	7159	5466	4311	4265
EPO	0	0	2	0	0	0
ARPC1B	5785	4193	7271	6874	6610	4773
CACNG6	5	10	13	27	4	22
ZSWIM6	4311	2266	4874	3877	2590	2873
FCHO1	1776	1197	2479	1854	1166	1468
UNC13A	10	2	10	0	0	7
MAP1S	398	297	529	387	211	371
KLHDC7B	145	93	183	161	65	102
SCO2	312	566	518	869	495	45
PXDN	34	14	126	56	10	4
SSBP4	1804	944	2851	2087	1410	1346
GDF15	6	5	2	11	6	9
PGPEP1	2114	1218	3060	4092	2616	2898
IQCN	941	350	611	491	395	454
LSM4	730	359	374	777	411	332

JUND	2687	2807	6419	2881	2118	1722
HRC	0	0	0	0	0	0
TRPM4	142	36	38	38	86	20
OR11H1	0	0	0	0	0	0
SULT4A1	0	2	0	0	0	0
ZNF557	2498	1212	2463	2289	984	1772
CRB3	31	36	28	40	17	20
OLFM1	165	45	287	147	143	51
CAMSAP1	2777	1349	3365	2703	1932	2096
UBAC1	1022	598	1191	871	701	640
SAG	10	6	10	10	2	0
ZBTB46	197	103	211	161	129	151
HELZ2	4578	3889	10240	6540	4024	3785
SAMD10	261	93	147	209	68	214
LSP1	13830	10504	26658	14547	8271	9921
TNNT3	105	110	96	110	98	88
TNNI2	77	56	69	57	38	39
COL5A1	35	78	38	79	32	47
ATXN10	4125	2050	4332	3880	2763	2859
TUBGCP2	3228	1922	4313	3516	2756	2516
CALY	13	8	11	1	3	19
CYP2E1	55	42	57	53	37	65
PNPLA7	303	294	470	264	276	266
HBZ	0	0	0	0	0	0
PAK4	310	199	380	561	167	181
MNX1	0	0	0	0	0	0
ZNF337	2279	1269	2832	2365	1380	2031
CEP85	1267	687	1419	1283	866	982
TAF4	2034	1277	2528	2117	1130	1555
GATA5	0	0	0	0	0	0
RBBP8NL	0	0	0	0	0	0
LAMA5	426	285	491	294	422	130
OSBPL2	2695	3881	5233	4341	2335	2191
ADRM1	1029	577	1492	1221	715	796
ASS1	6	0	0	0	0	0
PRDM12	0	0	2	0	0	0
EXOSC2	1884	1153	2575	2243	1420	1554
POMT1	1499	749	1691	1368	954	1048
UCK1	494	430	834	655	514	476
FIBCD1	9	4	0	15	5	2
PRRC2B	12563	7143	15881	11928	8195	8833
CHMP2A	1013	1117	1454	937	744	690
UBE2M	466	379	682	548	469	376
TRIM28	3626	2631	4935	4116	3154	3387
METTL26	220	142	284	218	132	208
YIPF2	369	198	541	553	218	276
ATG4D	812	511	1344	1084	595	555
EIF2S3	14591	10438	15167	13019	9176	14757
TMEM160	150	77	312	162	112	146
ZC3H4	4283	2390	4896	3897	2427	3023
NPAS1	4	0	6	2	0	5
GMFG	2200	1875	2909	2207	1387	1732
MAP3K10	738	321	986	726	354	399
ARHGEF16	0	0	0	0	0	0
LRRC47	1992	1078	2617	2130	1262	1459
SESN2	520	587	1270	757	403	432
SMPDL3B	7	35	29	12	0	3
ATP5IF1	408	245	589	529	394	400

MED18	137	89	201	122	118	147
THEMIS2	9010	7566	13668	10003	5793	5021
CLIP1	5893	3679	7416	6131	4139	4710
CCDC62	111	29	67	82	64	61
HIP1R	3211	1785	4496	3008	2155	2163
ZNF317	1281	915	1858	1392	1062	1062
PPAN	1046	502	442	849	743	776
EIF3G	2536	1521	3056	2721	1584	2044
ANGPTL6	79	34	140	48	57	65
C19orf66	1596	948	2651	1915	1091	1477
DNMT1	4891	2767	6517	5100	3405	3868
ZNF426	2046	915	1892	1873	939	1585
SLC6A8	41	55	143	57	53	108
PNCK	6	7	0	4	8	2
DKC1	1148	682	1352	1163	779	816
PLXNA3	1596	1200	2160	1932	1356	1634
DUSP9	0	0	0	0	0	0
MPP1	2030	2302	3458	2861	3988	2323
ZNF331	1010	932	1512	1062	1053	821
ZNF236	3521	1798	3885	3313	2117	2451
SLC7A10	2	0	2	0	10	0
LRP3	165	146	363	255	130	252
C12orf65	650	458	1023	621	381	596
NOL11	2534	1405	2631	2429	1260	1958
UBE4B	4470	2672	5542	4441	3218	3277
CASZ1	879	473	1172	928	624	476
PKDREJ	27	5	17	25	16	18
HSD17B3	26	20	16	58	33	13
NUTM2F	12	0	0	6	0	3
HABP4	635	349	865	659	497	651
FBP2	0	0	0	5	0	0
SLC35D2	801	483	913	874	824	586
PRRG1	31	14	46	28	17	74
UBA1	8632	6941	11646	9500	6141	8188
RGN	2	2	3	10	6	8
POLN	158	102	220	194	88	138
PPIL4	1728	1012	1966	1596	1068	1256
ULBP2	3	5	12	14	3	10
AKAP12	140	203	406	355	78	184
SYNE1	45685	23366	63524	66480	26655	30759
ULBP3	27	5	17	19	4	12
LATS1	7398	3681	7654	7381	4342	5299
EPS8L1	71	29	57	99	27	26
LILRB2	5730	3683	5219	3930	2518	4253
AAR2	1005	612	1319	1240	633	869
TTLL9	16	6	11	14	11	7
BPIFA2	0	0	0	0	0	0
RBM39	18268	16234	26467	25919	14175	16403
COX4I2	0	0	0	0	0	0
BPIFA3	0	0	0	0	0	0
ZNF341	396	251	629	400	293	381
GGT7	830	391	1051	767	354	415
DEFB118	0	0	0	0	0	0
ACSS2	1466	931	2025	1360	1192	1208
EDA2R	5	0	22	12	5	8
ARHGEF9	1958	904	1760	1844	908	1191
C1QL1	0	0	0	0	0	0
GFAP	6	6	6	2	4	0

PYY	0	1	4	4	0	1
HIGD1B	2	0	0	0	0	0
ATP6V1E1	2408	956	2846	1441	1836	1613
ZNF227	1262	685	1512	530	547	649
ZNF428	62	185	77	339	198	54
TEX101	10	5	0	14	0	0
ZNF141	3073	1111	2386	2413	1495	2349
CCL25	0	0	0	0	0	0
COX4I1	2874	1651	3658	3292	2228	2168
EMC8	846	548	1280	1072	670	732
GSE1	2680	1548	3549	3114	1931	1603
AC010531	11	0	0	41	2	0
GINS2	64	50	51	61	35	42
CHMP1A	1924	1384	3051	2346	1534	1482
SH3BGRL	7924	4965	9916	8181	9126	7031
COX7B	848	589	1077	1048	592	542
SLC34A1	2	9	15	21	15	18
F12	22	38	37	31	27	23
PRR7	245	162	436	186	354	170
NFATC1	1903	1106	3290	2476	1279	985
IDO1	17	14	44	33	60	16
GJA9	8	0	0	0	0	0
CAP1	20364	12883	26704	21120	14045	14932
PPT1	5850	5619	6319	5774	5716	5890
RAB11FIP4	3331	2200	4129	3647	2842	3264
RLIM	9614	7401	14393	11043	7663	7348
CDX4	0	0	0	0	0	0
ABCB7	1839	951	1816	1669	1109	1344
TRAF3	1236	776	1428	1074	882	1043
HAUS8	367	246	476	195	227	261
ADGRE3	959	2567	2610	771	556	474
MRPS25	3556	1740	3853	1666	1746	1874
SH3BP5	3645	1558	4731	3928	3131	2713
HACL1	1228	665	1368	1347	809	865
TBC1D5	8519	4372	10252	8996	5953	6477
CAPN7	5059	2717	5681	4803	3334	3879
RFTN1	3357	1838	4081	4438	2545	2309
C3orf20	82	37	42	70	42	68
RBSN	3037	1927	4155	3391	2153	1853
GALNT15	3	7	10	2	3	3
SLC6A6	9284	3625	5404	3111	7847	6812
KCNC3	553	209	553	371	413	319
NAPSA	72	50	55	58	12	74
NR1H2	1520	1534	2535	1784	1362	1185
LRRC4B	8	0	0	4	0	0
PDLIM4	0	13	0	0	0	2
KIF3A	1056	603	1163	1129	507	819
MGAT1	10950	5675	10779	9578	6895	6536
GFPT2	91	20	35	59	44	56
TUBG1	151	91	162	171	107	120
PSME3	3444	936	5103	2192	773	926
RPL27	1217	703	1078	1314	649	748
PSMC3IP	82	43	100	32	47	51
AOC3	95	148	143	34	40	34
ACLY	7591	3817	9651	8290	4672	5487
VPS25	630	284	723	582	330	324
RAMP2	0	0	0	0	0	0
AOC2	156	225	286	111	111	94

G6PC	0	0	0	0	0	0
NDUFA2	449	193	559	444	253	332
ANKHD1	6217	5733	6378	5969	5256	3722
DIAPH1	25093	15376	35547	29858	21712	19351
NDFIP1	9376	4712	9204	8135	5184	6594
UBE2D2	4270	2375	4560	3992	2265	3148
EXOC4	4499	2393	4687	4474	2939	3251
ACAP3	2579	1567	3822	2806	2127	1903
C1orf159	558	251	668	545	302	361
ANO1	0	0	0	0	0	0
PPFIA1	2792	1966	3541	2748	2021	2166
TMEM204	946	590	792	1056	372	968
KREMEN2	12	7	1	1	6	8
THOC6	494	224	649	404	289	358
TRAF7	1782	1074	2281	1751	1389	1341
BARX1	0	0	0	0	0	0
NINJ1	1138	2667	4589	1492	1580	735
CA6	78	11	13	81	9	4
NPHP4	958	532	1012	927	658	686
MAP1B	232	188	66	127	314	190
RHOXF2	0	0	0	0	0	0
IL13RA1	3950	3838	4680	3198	2998	2744
WDR44	2248	1502	3366	2263	2238	1944
CKMT2	5	4	10	4	9	5
ZCCHC9	399	358	515	516	332	428
KRT34	0	0	0	0	0	0
KRT33B	0	0	0	0	0	0
TNS4	9	24	29	25	9	28
TOP2A	396	157	523	336	417	251
STARD3	1462	1071	1866	1692	910	1139
RARA	2540	2290	3762	2180	1406	1320
PPP1R1B	0	0	0	2	0	5
KHDRBS3	4	23	16	25	7	0
CHD1L	2240	1286	2136	2194	1672	1692
PEX11B	367	312	801	623	366	447
FMO5	625	407	769	724	597	482
PIAS3	985	694	1545	1192	737	868
PRKAB2	2140	1314	2785	2363	1468	2097
FSHB	0	0	0	0	0	0
PDHA1	1139	952	1858	1625	1027	1314
RAI2	0	10	6	19	0	12
MCCC2	2604	1228	3268	2628	1915	2021
ZNF304	857	465	728	723	537	616
ZSCAN5A	319	114	286	336	198	231
ZNF132	377	103	215	291	128	271
USP29	0	0	0	0	0	0
SELENOS	927	559	1234	1198	671	649
CHSY1	3699	3326	4619	3755	2399	2506
SNRPA1	2131	1680	3407	2561	1600	1398
LLGL1	1186	720	2091	1565	976	1045
NR0B2	0	0	0	0	3	0
LIN28A	2	0	0	0	0	0
THAP1	558	329	498	505	310	420
RHPN2	16	2	48	16	19	29
C19orf12	1342	427	2237	1634	1209	1057
FAAP24	50	11	101	55	27	35
LRRC9	4	3	0	0	0	4
ACTR10	1965	1121	2223	1857	1261	1477

ABHD12B	0	0	9	4	0	0
GCH1	1476	792	2237	1477	1141	1065
LGALS3	1043	774	1503	1115	742	1038
PODNL1	15	6	5	15	1	15
DNAJB1	4069	3752	7296	4243	2546	3408
ZSWIM4	313	180	472	336	239	167
FBXW9	119	73	142	129	68	85
RFX1	1301	817	1812	1415	810	926
ZNF20	329	198	385	253	125	257
C19orf57	26	43	48	46	15	32
DCAF15	1410	872	1744	1428	840	1075
CC2D1A	1019	606	1433	1180	796	802
RTBDN	0	0	0	0	0	0
MATN3	0	0	0	0	3	0
TRIM21	1553	928	1877	1222	690	1074
SPATA6	550	421	633	517	452	627
LRRC41	1802	1166	2380	1738	1352	1342
CCT6B	175	64	189	198	113	121
DHX30	2960	1452	3622	3002	1721	2171
RAF1	8379	7503	13439	8742	6209	5951
SLC6A11	4	0	0	0	2	6
PPARG	44	54	86	45	45	25
NUP210	20175	9688	26332	21348	12551	14513
FCRLA	502	549	690	715	651	619
HSD17B7	705	389	779	729	473	568
ENOSF1	2933	1196	3078	2487	1317	2655
EMILIN2	6195	2928	7725	5707	5245	4631
SLX1A	1437	1124	1837	1148	961	800
ARFIP2	729	375	932	773	535	572
TRIM5	1282	490	1250	991	1073	722
CNGA4	7	4	21	16	4	10
TRIM22	16214	8176	22226	17896	13901	12702
RRP8	2158	1131	2667	2275	1250	1795
TIMM10B	2445	1613	3896	2995	2367	2382
EFR3A	9403	4321	7150	10339	6315	4309
HHLA1	0	0	0	0	0	0
PTCD3	6375	3437	7069	5551	3783	5432
IMMT	2753	1358	3448	2745	1655	1614
MRPL35	975	261	656	607	240	507
IQCA1	10	0	19	4	2	11
ILKAP	2448	1839	4399	3487	1900	2031
PER2	910	717	1409	973	852	837
RAMP1	31	15	15	18	12	12
SCLY	1244	542	1420	1089	590	930
PTPRE	13164	15471	22340	14810	11229	8814
RAN	4148	2395	4553	4970	2362	3195
PRKAA1	6920	3866	7555	6791	4178	5349
CARD6	1327	695	1504	1186	812	1030
RAP1GAP2	9819	5952	14448	11945	6748	6283
CLUH	1444	774	1865	1372	1042	1161
INPP5K	1930	1983	3826	2422	1889	1503
MYBBP1A	1779	852	1857	1787	1103	1184
RPA1	3853	1799	4825	4044	2690	3011
SERPINF1	103	106	118	179	364	151
UBE2G1	3789	2068	4102	3536	2438	2575
EEFSEC	789	342	965	806	541	487
TBC1D14	5958	5150	8403	6556	4264	4405
TMEM128	781	301	498	817	522	368

COQ3	121	58	130	98	59	92
PNISR	13642	10146	20478	13592	9220	12497
POPDC3	0	0	0	0	0	0
SEC61G	513	410	838	912	488	410
LANCL2	527	263	523	563	304	219
FIGNL1	805	464	752	739	361	562
DDC	0	0	0	2	0	0
FTHL17	0	0	0	0	0	0
GRSF1	3996	1501	4222	3986	2404	2815
ENAM	4	0	4	0	0	0
JCHAIN	8394	1823	3988	1903	2499	1965
ANKRD17	11484	5827	12168	10437	6531	8308
UTP3	1257	534	1178	1188	535	997
ITGB4	2	8	15	11	6	7
WBP2	2129	1293	2915	1956	2536	1763
H3F3B	9309	10532	12854	9448	8669	6239
UNK	2370	1374	3008	2346	1553	1779
TRIM47	36	21	32	23	24	45
ZRANB2	8910	4168	8821	7756	5050	6990
EIF5A	4201	2818	5693	4777	2965	3267
KDM6B	4262	7131	9008	4345	2889	2982
CLEC10A	1135	159	514	557	547	596
SLC52A1	6	6	7	11	2	3
GUCY2D	13	13	28	34	43	8
GPS2	627	516	1005	686	387	572
XAF1	3516	1796	6031	3850	1480	2920
DLG4	860	487	999	780	899	660
RIDA	88	45	103	104	65	111
VPS13B	21123	12404	26756	22347	13933	15753
RGS22	0	0	2	0	9	0
MATN2	32	18	45	46	15	37
REEP2	11	0	5	8	5	11
PCBD2	1520	731	1525	1319	1020	1183
SDF2	692	876	1605	1349	732	672
FLOT2	5032	5117	9310	6459	4683	4969
ERAL1	823	461	1108	945	476	654
PRMT7	1786	1030	2028	1601	956	1338
NIP7	980	545	1606	1368	687	902
TERF2	1384	573	2179	1940	1203	1532
VPS4A	2125	1223	2751	2241	1282	1629
MTSS1L	215	119	263	246	216	111
HSPA12B	7	5	4	8	3	0
ANKEF1	363	187	296	322	133	291
SCP2D1	0	0	0	2	0	0
PCED1A	1618	809	1762	1380	954	1187
SNAP25	0	0	4	3	4	0
BTBD3	406	204	782	273	306	117
PCNA	1058	548	1327	1002	498	936
NXT1	269	365	664	418	262	231
POLR3F	712	403	853	670	461	552
RIN2	2045	722	2059	1608	1163	1365
PTPRA	4361	2433	5548	4603	2892	2969
SSTR4	0	0	0	0	0	0
DAP3	2389	1394	2640	2402	1583	1665
RHBG	0	0	0	0	0	0
KHDC4	3423	1879	4408	3346	2757	2798
ATP1A4	37	85	4	38	62	175
NES	0	0	0	0	4	0

BCAN	0	0	0	4	0	2
CRP	0	0	2	0	0	0
ARHGEF11	3984	2385	5095	3539	2323	3138
RAB25	10	6	8	10	6	11
HAPLN2	2	0	4	3	6	3
APCS	0	0	0	0	0	0
FCRL2	3176	1923	3533	1578	1572	1349
DCAF8	8662	4796	10382	8190	6350	6332
SYT11	2486	1206	4339	3559	2002	2005
IGHMBP2	1562	747	1530	1461	800	708
ACY3	8	0	4	8	27	5
ALDH3B2	0	0	0	0	0	0
TESMIN	185	175	255	236	172	268
MMACHC	266	91	218	211	86	155
DPH2	657	345	874	757	377	502
TOE1	483	391	867	934	428	442
NASP	1835	1532	2638	2050	1713	1589
MUTYH	418	335	715	617	286	417
CTNNBL1	1806	1078	2331	2067	1341	1435
LPIN3	16	5	20	29	3	17
ZSWIM3	241	144	253	299	94	234
RBM38	2262	1776	2925	2961	3021	1927
VSTM2L	2	0	2	0	5	0
OSER1	1836	1662	2383	1651	1191	1195
SERINC3	8858	6126	11789	9438	7354	7371
PPP1R3D	1268	785	1543	1177	524	985
DMGDH	23	15	11	26	19	21
BHMT2	0	0	0	0	0	0
AP3B1	6675	3589	7509	5704	4438	4750
ZBED3	215	102	220	202	177	232
PATJ	4661	2366	4944	4434	2345	4076
KANK4	6	0	0	0	0	0
ANGPTL3	0	0	0	0	0	0
SYT4	0	0	0	0	0	0
SLC14A2	9	0	13	21	0	6
FBXO44	635	326	925	996	445	706
CPLANE2	136	65	150	110	74	58
CASP9	886	597	1046	980	889	517
NMUR2	0	0	0	0	0	0
DCTN4	3666	2779	5439	4266	3621	3027
PDE6A	6	0	0	1	0	2
ATP8A2	159	77	91	174	51	113
MTUS2	17	8	20	19	11	13
ZMYM5	1445	730	1488	1112	892	1214
USPL1	3181	2280	4602	3174	1904	2476
XPO4	6331	3016	5938	5537	3773	4543
TPTE2	6	2	9	15	11	1
POMP	1192	751	1620	1253	878	784
CDK8	1183	565	1337	1186	608	813
ALOX5AP	627	1314	1362	883	489	480
WASF3	280	439	372	208	667	207
RNF17	0	25	11	0	0	0
GPR12	10	0	2	2	0	4
CHRM3	28	29	19	12	16	29
MYH8	0	0	0	0	0	0
MYH10	93	37	143	62	73	30
PEMT	245	94	195	208	131	110
SCO1	3326	1522	3870	3193	1943	2799

MPRIP	15708	7759	16319	15720	9658	10935
CHI3L1	242	523	526	82	107	235
MYBPH	2	14	33	2	0	0
PIK3C2B	2485	1470	2876	2416	1303	1715
DSTYK	3550	2188	4565	3846	2702	2808
CHIT1	117	108	133	64	56	165
SLC41A1	1230	817	1693	1450	689	933
LGR6	1092	332	1985	1756	459	216
TMCC2	292	214	404	283	561	212
DCLK1	0	0	0	0	0	0
CCNA1	20	12	37	13	0	21
COG6	1812	973	1957	2030	1097	1364
SPART	2037	1057	2526	1978	1155	1316
RXFP2	0	0	0	0	0	0
EPSTI1	2127	875	4452	2422	2103	1651
TRPC4	0	0	0	0	0	0
POSTN	0	3	0	0	0	0
RFXAP	522	217	530	437	213	431
TPT1	25084	16943	30113	22009	15733	20012
GPALPP1	2396	927	2449	2252	1427	1870
STOML3	2	0	0	0	0	0
KL	67	12	55	56	58	50
RFC3	537	260	654	550	430	425
STARD13	100	16	73	71	73	29
IRS4	0	0	0	0	0	0
MORC4	309	253	445	360	195	293
BEX2	164	133	188	150	87	106
RNF128	0	2	0	0	0	0
TBC1D8B	116	66	114	118	70	158
TCEAL4	28	59	58	64	47	38
BEX1	2	7	20	6	0	6
FAM104A	1884	1033	2438	2906	1723	1711
SLC39A11	1568	780	1979	1440	1213	1016
EPHB2	307	77	519	59	87	131
SRRM1	5486	3781	7622	6206	3625	4743
BTBD2	2357	1321	2620	2176	935	1026
PRAM1	2432	1548	3123	1756	1761	1919
KMT5C	149	152	396	176	110	177
ZNF414	364	219	560	319	245	250
PDE6B	144	79	182	141	144	115
HSPBP1	413	144	472	435	216	226
CSNK1G2	4243	2649	5135	4280	2764	2816
SLF1	1881	1318	2173	2104	1286	1671
CNDP2	5703	2881	6290	5893	4346	3767
MACROD1	65	61	88	54	36	48
WDR74	860	588	1189	2531	1672	575
LGALS12	154	140	235	185	288	138
RTN3	6745	5774	7219	3961	3230	6137
RARRES3	1714	680	1918	1855	737	1009
HRASLS2	22	9	14	2	21	0
MYH11	67	78	98	45	25	63
FOPNL	1523	740	1547	1596	885	1289
MED10	1142	811	1804	1627	849	917
PDZD2	207	133	265	172	273	187
MORC2	2715	1391	2594	2567	1395	2187
LARGE1	768	274	565	289	211	202
GSTT2B	0	2	2	0	0	5
MYO18B	5	66	7	35	12	32

SLC2A11	534	174	680	398	400	408
C1QTNF6	1031	284	666	724	357	471
GGT2	0	0	0	0	2	0
FAM83F	42	45	85	107	55	36
SEC14L4	3	0	0	0	0	0
GIMAP6	7648	3310	8003	7673	3728	5809
GIMAP4	8475	2271	3869	7717	4090	6832
ADCK2	624	388	878	673	466	537
MKRN1	8365	5737	9378	8785	7040	6195
AGAP3	1480	1007	1990	1619	1152	1078
KRBA1	496	272	770	589	371	420
ACTR3B	751	360	850	648	660	556
NTS	0	0	0	0	0	0
BTG1	42290	27345	52545	50734	26375	29293
LRRIQ1	0	0	0	0	0	0
C12orf29	367	352	688	575	282	382
ATP13A3	6178	5021	7985	8961	4741	5314
SFTPD	34	6	1	22	17	14
DYDC2	0	0	0	0	0	0
TMEM254	423	213	524	449	299	444
TMTC1	1483	454	865	413	600	559
KRAS	6709	3473	8265	5960	3706	4702
IPO8	6139	3383	7478	6428	3639	4928
LARS	6163	3016	6730	6322	3789	5538
SPINK5	0	0	0	0	0	0
IMPA1	1129	823	1459	1360	716	936
LRRCC1	232	83	313	221	132	156
E2F5	503	294	676	357	423	390
CA1	4	13	46	23	32	169
CCDC59	1120	985	1783	1554	942	740
SWAP70	5323	2270	5294	3210	3083	2858
ARNTL	4136	2688	5252	4808	2792	2854
LYVE1	22	35	21	21	8	5
AMPD3	1670	910	1760	1413	1092	1103
SBF2	5049	3664	6277	4499	3688	3825
MICAL2	7383	4104	9900	7822	5669	4933
RRAS2	1347	915	1727	1795	1083	1229
HSD17B4	3122	1642	3515	3047	1889	2445
ZFC3H1	13704	7812	16349	12176	9074	10306
TEX15	0	0	3	0	2	6
SARAF	10853	6592	13881	11316	7078	7706
RNF122	629	447	755	498	456	529
DUSP26	0	0	0	0	0	0
DPF2	2328	1595	3269	2390	1670	1768
MEN1	1049	398	1047	930	513	681
ERG28	314	160	423	366	163	191
GSC	11	2	6	3	0	0
DGLUCY	4791	3279	5679	4411	3438	3332
UNC79	7	0	3	12	8	2
NUMB	5533	7412	8912	6723	4008	5729
CATSPERB	239	144	301	371	193	281
VRTN	0	0	0	0	0	0
COX16	501	215	733	599	272	328
TTC9	1487	760	932	912	702	852
MED6	1596	1179	2053	1978	1266	1438
EIF2S1	3185	1546	3626	3222	1801	2505
ADAM20	224	105	114	175	45	119
LOXL2	219	172	296	314	132	215

ELP3	2032	997	2053	2188	1133	1604
PEBP4	24	6	17	24	5	13
ADAMDEC	17	8	20	9	30	14
CTIF	494	356	943	633	654	451
MRO	8	4	4	0	4	3
MBD2	4012	2138	4353	3278	2286	2968
IER3IP1	1099	455	301	224	635	729
MRPS36	151	133	324	202	165	32
CCNB1	155	60	152	144	109	104
CDK7	661	374	744	762	536	469
CD180	2150	773	1711	1010	1211	1414
IRAK2	716	454	980	1057	493	419
CAMK1	610	260	777	597	559	428
THUMPD3	1088	515	1472	1302	562	843
VHL	1688	1104	2435	1830	1150	1313
BHLHE40	2739	2624	5897	4567	2265	1938
ARL8B	1348	1759	1837	4297	2511	3100
EDEM1	12036	7419	15989	12406	10169	9508
CNTN6	0	0	0	0	0	0
CHL1	241	54	62	30	40	70
MEIS2	6	11	6	4	0	28
DPH6	946	348	811	801	525	605
KATNBL1	2305	1450	2667	1776	1417	1633
EMC7	1254	844	1963	1590	1142	1100
TRPM1	0	2	0	0	0	0
GNAT2	2	5	0	0	2	2
GSTM1	324	29	38	28	308	25
PRPF38B	4659	3103	5832	4537	2816	3403
REG4	31	4	27	12	18	21
TSPAN2	800	1059	1710	1219	903	882
TSHB	0	0	0	0	0	0
GSTM5	11	3	3	0	18	6
GSTM3	275	148	294	144	148	203
SYT6	5	3	10	0	15	0
VAV3	4202	2966	6093	5704	3438	3017
CHIA	0	0	0	0	0	0
PSRC1	152	116	138	86	94	120
HMGCS2	0	0	0	0	0	0
PTPN22	5510	2978	6962	6688	3354	4405
SORT1	7117	3902	7075	5947	6650	5742
WNT2B	55	47	37	39	52	26
PTGFRN	361	113	231	221	110	195
LAMTOR5	674	486	1078	767	536	477
ADAM30	6	2	0	5	3	1
NOTCH2	43621	28585	49865	42821	35943	29319
TRIM45	29	22	29	30	10	16
CEPT1	5312	2973	5903	4914	2957	4704
CD101	2335	614	1697	2018	1218	1412
VTCN1	0	0	0	0	0	0
NGF	0	0	0	0	0	0
AP4B1	1825	987	2285	1928	1181	1365
NAPG	2601	2093	2443	3127	1917	2141
SPIRE1	364	160	498	425	399	262
PPHLN1	3484	1869	4307	3320	2391	2946
FKBP11	1674	992	1797	1322	1140	1185
ARF3	9302	6178	10942	8788	10080	6518
TMEM106C	394	168	658	521	331	328
SLC38A2	14076	9236	17409	14536	9038	10325

YWHAQ	6746	3497	9155	7438	4957	5174
KIDINS220	10358	6194	12299	9517	6759	8003
GRHL1	31	105	113	34	106	21
ROCK2	5277	2992	5798	4916	3878	3824
RSAD2	854	503	2687	1007	677	600
MYCN	12	7	18	3	12	0
LPIN1	4953	2507	5892	5822	3753	3783
CMPK2	862	377	2057	1359	1002	576
IAH1	1079	710	1655	1241	696	1101
LDHA	6495	3494	7041	5393	3524	3822
SAA2	7	4	0	5	0	5
ANO3	0	0	0	0	0	0
IL6ST	20026	11026	20044	10330	10202	13817
FST	0	9	12	3	5	0
CFHR4	0	0	0	0	0	0
NAV1	892	494	794	716	484	531
CDC73	6986	4132	8156	4258	2341	5273
TIMM17A	1177	887	2028	1673	917	959
CRB1	13	3	18	21	15	13
CFHR5	0	0	0	0	0	0
ERN2	0	0	0	0	0	0
RPS15A	9195	6824	13183	11852	8330	8081
RAX	0	0	0	0	0	0
NARS	5058	2511	5671	4922	3626	3874
GRP	0	0	0	0	0	0
RELCH	8585	4619	10157	8119	5478	6185
FBH1	3547	2008	5036	3704	2366	2575
RBM17	3075	1696	3534	3125	1674	2506
IL2RA	360	155	362	275	173	283
ANKRD16	229	113	246	214	151	152
ECHDC3	20	52	68	66	93	52
IL15RA	313	157	423	299	146	209
CCNH	5520	4007	7189	6299	4182	3927
HRH4	231	245	574	582	109	299
TMEM241	408	177	415	385	224	217
KCTD1	288	97	287	232	95	176
CABLES1	32	19	46	58	30	20
DOCK2	31268	18046	39619	32557	21978	22713
EMP1	125	56	273	284	161	155
SOX5	156	104	36	135	255	120
RERG	3	0	3	0	0	0
SLCO1B1	0	0	0	0	0	0
KLRD1	20438	10050	26451	30476	10373	12438
KLRC1	1278	344	419	601	528	698
SPX	392	233	529	233	1201	432
PRH2	5	0	7	2	0	5
LRP4	0	0	0	6	2	0
MYBPC3	202	160	302	114	137	132
DDB2	1704	527	1763	1381	590	865
ACP2	450	281	543	413	303	449
USP26	0	0	0	0	0	0
RTL8C	214	129	318	251	171	208
RAB33A	39	18	91	70	30	71
SOX3	0	0	0	0	0	0
RBMX2	255	111	290	216	168	313
STK26	1769	1705	2678	1887	1244	2595
PIWIL4	403	206	600	343	309	350
MTNR1B	0	0	0	0	0	0

PUM1	6619	3814	8043	6648	5378	5399
SPOCD1	100	87	183	70	214	91
YARS	3007	1650	4037	3661	2264	2197
PHC2	2504	3143	4465	2044	1736	1688
CDCA8	74	31	113	54	39	71
GNL2	1809	1205	2549	1903	1237	1146
AGO4	9214	7051	13728	9271	6448	8014
HOOK1	897	392	787	203	165	652
CYP2J2	44	24	27	15	19	24
BTF3L4	1532	993	2148	1179	1241	1497
TUT4	9985	5372	11722	8972	5671	7234
PRPF38A	3008	2156	4272	3227	2089	2413
DSC2	689	471	585	627	587	853
DSG3	14	6	24	10	0	10
RNF138	1799	2471	4463	3924	1359	2954
ELP2	6508	3572	5734	4877	3748	4692
DSG1	0	0	0	0	0	0
DSC3	0	0	0	0	0	0
DSC1	835	72	254	422	253	312
DTNA	106	38	87	82	109	46
FHOD3	7	8	2	0	10	0
TPGS2	1910	1144	2635	2499	1187	2116
DAGLA	482	120	418	285	211	135
SLC43A3	1392	992	1523	1526	1260	1542
TIMM10	177	91	235	209	123	108
GIF	0	0	0	0	0	0
DHX34	2029	2156	3200	1852	1123	1260
APLNR	0	0	4	0	1	0
FADS2	635	306	707	811	788	528
TMEM258	731	343	688	774	483	558
TCN1	173	186	358	181	114	295
C5AR2	1221	1508	1897	877	663	714
TMEM165	4527	2489	5002	4104	3282	3514
CLOCK	4096	1671	3883	3982	2324	2897
PDGFRA	33	48	85	79	168	39
GGACT	245	70	525	322	92	165
COL4A2	2	25	55	25	37	13
CLDN10	0	3	0	0	0	0
DZIP1	0	0	0	4	0	0
UBAC2	3737	2195	5002	4363	2434	3208
ARGLU1	15719	9354	18161	15552	8984	12384
BIVM	360	215	623	578	362	452
ERCC5	3766	1277	3162	5259	1326	2217
TPP2	11860	5955	13062	11296	7313	8404
KDELC1	11	2	38	28	20	46
CARS2	3189	1741	3527	2715	2296	2308
ARHGAP3	1608	688	1202	953	983	905
STT3A	2896	1535	2862	3085	1818	2167
ADAMTS8	3	3	8	0	0	4
ACRV1	0	0	3	0	0	0
ETS1	51662	27764	56885	51203	24990	37495
SLC37A2	2502	1002	2840	1967	1837	1935
KLB	2	0	5	0	0	0
TMED7	4677	2732	5339	4908	3506	3760
APC	2120	1400	2374	5248	1282	1512
NREP	772	330	955	595	504	551
WDR36	2748	1281	2696	2702	1414	2082
OSTF1	3343	2369	4984	4107	2503	2746

RFK	932	408	1170	1019	608	755
UBQLN1	7868	5365	11167	8587	5728	6462
NAA35	1844	951	2082	1798	1157	1360
C9orf40	156	74	249	168	85	146
ANXA1	16029	9219	24249	21058	11181	13516
CTSL	529	114	357	247	224	177
CEMIP2	9258	5440	10306	9751	5715	4885
AGTPBP1	11107	7242	14744	12318	8497	8755
GOLM1	755	387	2013	988	420	596
FAM189A2	0	0	0	0	0	2
PSAT1	228	88	132	163	109	102
ISCA1	1772	1392	2531	2186	1686	1297
ADAM19	5966	5221	9976	5148	4598	4940
HAVCR2	2290	932	2432	2085	1602	1254
CCNJL	363	1146	1339	502	184	120
TAOK3	6485	3998	7643	6354	4748	4585
USP30	257	218	418	292	267	191
SDS	13	4	17	5	16	5
MSI1	0	0	0	0	0	0
HNF1A	13	0	6	2	0	4
FBXO21	2488	1219	2311	2656	1473	1645
TBX3	2	0	0	5	3	0
OASL	431	382	1688	692	478	442
HRK	56	89	118	77	85	51
RNFT2	202	103	241	222	95	106
P2RX4	2348	1854	5005	2638	2116	1770
BICDL1	1077	676	1363	1065	635	1099
DTX1	352	315	596	310	302	262
TRAFD1	2999	1563	4040	2962	1837	2798
DMTF1	8159	4361	11010	8024	4876	6820
OCM2	0	0	0	0	0	0
TMEM243	2015	1438	2672	2401	1570	1679
CCDC146	477	253	779	744	397	620
TMEM60	306	218	421	302	258	244
CD36	13200	6438	15577	12683	8686	12302
UGT2A3	0	0	0	0	0	0
CSN2	0	0	0	0	0	0
UGT2B28	0	0	0	0	9	0
PNPLA8	2874	3264	4332	3590	2801	2402
HILPDA	103	71	156	101	33	88
FAM71F1	0	0	3	0	0	0
RINT1	1511	890	1606	1636	951	1343
SRPK2	4624	3073	5694	4700	2695	3018
KCP	46	12	45	33	51	14
TES	3037	1778	4146	3485	1784	2095
MDFIC	1279	657	6386	1862	4036	5028
MTO1	2355	925	1441	1273	1212	1171
ADGRB3	43	18	47	17	61	92
ANKRD6	362	123	187	266	126	106
HTR1B	2	0	2	5	0	4
KHDC1	32	19	78	72	28	40
CEP162	1198	648	1160	858	606	838
SYNCRIP	12145	6878	13071	12148	7696	9782
SNX14	5774	2755	6329	5609	3685	4135
NT5E	1267	412	862	737	500	621
MRAP2	6	0	5	2	0	2
EPHA7	0	0	0	0	0	0
AKIRIN2	2249	2135	4010	3383	2397	2077

ORC3	1529	816	1567	1412	770	1137
LCA5	44	22	46	27	84	48
MAP3K7	4107	1795	3839	3532	2024	3130
CGA	0	0	0	0	0	0
GJA10	0	0	0	0	0	0
PRR5L	1601	935	2462	2205	806	896
LMO2	1904	817	2333	1509	1392	1496
PHF21A	5790	3218	6716	5039	3774	3896
NAT10	3019	1418	3159	2925	1618	1959
EHF	30	2	16	15	15	9
ELF5	0	3	0	0	0	0
PRRG4	721	812	1203	645	455	560
CAPRIN1	10792	5564	12907	11034	6892	8472
ATP5MC2	1994	1070	1963	1491	1308	1797
DNAJC14	1289	826	1257	1897	936	1134
CD63	1914	1524	3207	2273	1540	1505
PRPH	0	0	2	2	5	0
AVIL	349	242	229	162	125	157
AMHR2	0	2	2	5	6	0
LACRT	0	0	0	0	0	0
GDF11	872	425	1103	903	471	709
GLS2	96	50	87	91	33	83
ITGA7	49	23	61	49	38	39
TESPA1	4486	1864	3022	3190	2322	2576
FAM186B	29	4	14	18	6	9
RDH5	84	71	157	73	94	161
AGAP2	3045	1914	4196	3003	1984	2403
BLOC1S1	650	412	893	585	398	595
KRT85	0	0	0	0	0	0
CDK4	829	425	981	854	474	590
PPP1R1A	3	0	0	2	0	0
TROAP	17	6	23	24	8	16
TSPAN31	997	412	908	910	559	642
B4GALNT1	0	0	0	0	0	0
TFCP2	3244	1450	3847	3234	1770	2217
COQ10A	374	266	472	676	253	487
FAIM2	0	0	12	11	3	0
PAN2	3644	1714	3909	3203	2098	2853
ESPL1	87	84	107	95	65	39
KRT7	1	0	19	18	0	0
ZC3H10	104	162	178	96	101	70
HNRNPA1	13341	9651	18406	18184	10426	11347
SLC26A10	2	0	0	0	0	4
ACVR1B	1219	699	1564	1365	600	1245
OS9	6032	4294	7747	6625	4763	4179
MIP	0	5	0	0	2	0
KCNH3	305	99	375	289	149	200
LTV1	875	509	1210	853	598	601
MAP7	73	102	99	80	38	71
CD164	5441	4424	17518	15068	12686	8611
AFG1L	370	189	434	426	302	367
NHSL1	279	80	272	191	214	160
AHI1	1005	603	961	372	626	314
HEY2	9	4	22	21	4	25
PKIB	38	11	22	15	8	14
TAAR5	0	0	0	0	0	0
NMBR	0	0	2	0	0	0
SMPD2	335	366	707	531	296	317

MICAL1	5621	4067	6570	5828	4152	3903
REPS1	5065	2572	4894	5016	2830	3505
STX11	2450	1882	3923	2398	1843	1552
TEC	513	300	686	486	238	418
PRADC1	193	109	265	305	136	164
SEMA4F	412	233	724	589	363	393
CCT7	2869	1430	3523	3167	1713	2220
EGR4	0	0	0	3	7	0
RAB11FIP5	641	394	1474	988	530	688
SMYD5	777	442	944	772	479	590
DYSF	3405	5976	11874	3822	2511	2775
CCDC142	831	332	571	492	417	671
EMX1	0	0	0	4	2	0
KCNMB4	293	58	96	102	82	143
USP15	24908	19193	29080	23863	16430	18071
GNS	15942	8300	19221	14026	9927	12398
CPM	664	363	1115	645	816	762
MDM2	2829	5925	11718	8988	7260	7817
KLHL36	5580	3055	6207	5350	3349	4476
BCO1	0	0	0	0	0	0
MPHOSPH	401	204	755	874	706	602
CHST5	3	0	0	2	0	4
KIAA0513	1331	1165	2050	1244	1569	1103
DYNC1LI2	7037	4262	9677	7922	4996	5269
FBXL8	129	118	278	255	168	315
FHOD1	1657	1072	2310	2014	1471	1361
CCDC102A	214	104	300	304	112	144
SLC9A5	94	61	123	86	89	81
AGT	0	0	0	0	0	0
ZNF670-Z	3	3	19	3	6	0
PCNX2	3534	2041	4860	4001	2418	3653
KCNK1	13	0	0	9	16	1
URB2	1444	810	1623	1556	927	1111
EGLN1	4125	4412	6518	3877	2309	3331
CAPN9	0	0	0	0	0	0
COG2	3311	1511	3164	3152	1469	2421
ABCB10	1950	953	1988	1907	1229	1557
NTPCR	1561	1052	1680	1799	1369	946
TAF5L	1553	1127	2024	1780	1133	1192
GLUL	11567	12226	20326	11451	6944	6726
STX6	2508	1397	3597	1948	1344	2257
RGS8	0	0	0	0	0	0
RNASEL	1756	1319	2215	1497	947	1622
DHX9	9428	5185	13307	11457	6598	7836
KIAA1614	37	26	55	57	89	33
CEP350	16725	8525	17455	16024	9044	11033
NPL	1867	1608	2343	1392	1181	1525
FAM129A	8535	16889	17406	9828	5900	6822
PIGC	1037	561	1281	1096	565	855
LAMC1	721	555	896	285	488	485
RC3H1	14609	9425	16940	13842	8801	10054
GPR55	151	99	108	250	181	194
SP110	6137	3600	6666	4896	3517	4192
MRPL44	835	621	1223	858	635	686
CHRND	4	4	0	2	3	4
PAX3	0	0	0	0	0	0
DOCK10	24238	10564	24438	21649	12465	16493
TTLL4	1901	1681	3035	1523	1579	1334

USP37	3030	1501	3160	2890	1805	2367
HTR2B	12	0	15	6	8	0
ITM2C	510	290	483	372	445	268
SLC19A3	0	0	0	0	0	0
SERPINE2	237	166	269	268	286	217
DNAJB2	1122	772	1315	1124	1086	922
WNT10A	31	67	81	82	43	69
TMBIM1	5552	3977	6112	5486	6205	2768
CYP27A1	742	567	1794	1059	464	787
EIF4E2	2315	1790	4215	3240	1632	2480
ARMC9	81	20	55	45	18	35
CAB39	11119	6758	13629	10783	7996	8438
COX5B	861	529	933	893	429	601
REV1	2764	1541	2981	2418	1547	2076
TSGA10	715	318	562	536	286	732
MFSD9	559	366	760	561	342	449
TMEM127	6413	5240	9384	6363	5429	4853
EDAR	597	366	542	374	162	227
TGFBRAP1	2476	1427	3141	2886	1782	1812
GCC2	6832	3339	6993	5431	3468	4890
MRPS9	823	316	776	700	421	557
GPR45	0	0	0	0	0	0
C2orf49	2048	1225	2310	2015	1623	1548
ANKRD36	6412	3755	7838	6490	4303	5717
EPC2	4979	2932	5298	4843	2671	3669
ARHGEF4	35	21	41	37	21	39
ISCU	1900	1298	3315	2383	1409	1540
ALDH1L2	39	28	68	46	68	33
STAB2	0	0	13	0	7	0
USP44	271	121	197	265	123	177
SCYL2	5329	3303	6623	4984	4309	4046
CKAP4	1500	1237	2966	1885	1306	1376
PLXNC1	13174	13224	17868	10855	8535	9126
APPL2	2023	1312	2723	2237	1469	1489
PWP1	1967	1111	2274	2210	1237	1410
DRAM1	361	330	677	372	426	328
WASHC4	13564	7622	15400	11866	9399	10504
SLC41A2	134	81	151	118	142	106
VILL	1383	776	1610	1470	807	1130
FLNB	6306	3027	8816	5128	3504	4025
NEK3	399	208	553	369	241	231
PCDH8	0	0	5	0	0	0
VPS36	5346	2692	5585	5089	3459	4356
RNASEH2B	8409	3755	8670	6783	4655	6831
CKAP2	685	510	1151	892	609	1112
CNMD	0	0	0	0	0	0
TBC1D4	4660	1021	4501	2886	2529	3763
THSD1	108	46	82	98	43	81
BORA	378	255	387	403	203	279
LRCH1	2891	1327	3205	2842	1726	1959
SUCLA2	1492	737	1513	1523	931	1138
RCBTB1	2132	1121	3127	2291	1683	1741
MED4	1704	1052	2425	1977	1196	1419
PHF11	2951	1394	3881	2479	1791	2944
COG3	3890	2154	4927	4140	2533	3086
LMO7	1755	763	1451	1457	789	1076
SCEL	0	0	0	0	0	0
ITM2B	21057	18114	27129	18942	15991	13627

SPRY2	48	103	142	83	68	59
NUDT15	246	145	358	336	172	164
EDNRB	4	0	18	4	0	18
RCBTB2	3299	1814	4209	2864	2146	2839
LCP1	70663	48002	98582	78946	47312	51083
SETDB2	3969	1980	4323	3322	2294	2788
SCRN1	2853	1217	2224	2617	2032	1838
C7orf25	311	150	189	149	163	243
TNS3	3867	1766	4998	3620	3199	2573
SPDYE1	14	2	12	8	8	7
CHST12	6769	2880	6407	3510	3525	3817
IGF2BP3	411	379	840	340	1200	345
GPNMB	44	63	43	33	38	21
RAPGEF5	72	39	152	59	73	56
RAC1	5225	3067	7072	4564	4414	3798
KDELR2	2334	1202	2640	2169	1597	1736
NUPL2	1177	576	1179	1112	844	924
IL6	25	27	34	10	38	20
ZDHHC4	671	361	759	747	437	602
AOAH	11957	6671	18629	14395	10647	7906
BZW2	1148	639	1335	1110	755	850
DGKB	2	0	0	0	0	0
TBRG4	1622	833	2002	1478	1024	1288
DDX56	2253	1174	2731	2272	1376	1501
HUS1	2168	1237	2958	2282	1393	1772
NACAD	12	4	20	29	15	8
DBNL	15846	10037	18076	15968	12846	12971
CCM2	4841	2752	6041	5099	2755	3845
MYO1G	14885	7313	23626	16949	11043	12064
TTYH3	4988	2153	6279	4795	4984	2919
MMD2	0	0	0	0	0	0
CIDEB	1020	646	1649	1296	895	826
TTC5	2210	1120	1829	1993	1204	1318
NKX2-8	0	0	0	0	0	0
NKX2-1	0	0	0	0	0	0
ZFHX2	83	11	62	41	31	33
MTHFS	377	429	626	448	329	336
ADAMTS7	0	2	5	0	3	0
ABHD17C	124	146	231	249	95	143
IREB2	10058	4463	11121	9066	6461	7451
ALPK3	83	61	115	72	50	96
TM6SF1	718	388	1188	348	744	593
CIB2	35	33	16	47	27	21
CALCOCO	3703	3382	5325	4020	4521	4554
RSAD1	1473	632	1649	1005	669	972
NMT1	2037	1182	2555	2516	1813	1978
MYCBPAP	89	18	60	65	33	66
SRSF1	6423	3355	5713	5628	3174	4824
VEZF1	4168	2562	5558	4392	2852	3208
CHAD	8	8	9	0	8	4
TACO1	282	166	357	233	178	214
TEX2	1548	956	1534	1410	1336	1106
DCAF7	6030	2808	7867	8123	3995	4726
GH2	0	0	0	0	0	2
CSH1	0	0	0	0	0	0
LIMD2	6326	4934	9510	6996	4264	5637
BRIP1	316	191	364	349	255	257
KAT7	8590	6598	13380	10360	6605	7140

RTP4	442	137	473	339	257	346
ACTL6A	1194	448	1132	1070	537	913
NDUFB5	1502	754	2062	1841	1011	1234
MRPL47	581	337	653	638	383	353
TRA2B	15588	14823	28620	20664	13039	12016
SCN2A	43	12	24	7	17	16
TBR1	14	6	4	4	8	3
7-Mar	8694	7350	9629	8366	5098	6649
ERMN	942	452	872	694	647	608
GALNT5	2	0	0	0	0	10
SCN7A	7	8	30	33	7	5
TANK	2642	2540	4203	2222	2123	2073
BLK	1538	1000	1495	771	1341	1173
GATA4	0	0	0	0	2	0
SKIL	2810	969	1776	1709	1466	1797
EPRS	6119	2817	6675	6098	3512	4719
HLX	296	584	991	498	335	321
VPS45	2312	1016	2320	1941	1415	1669
IL10	18	12	21	8	0	6
KCTD3	440	197	365	298	247	298
RPS6KC1	3090	1485	3526	3016	1793	2275
CBWD2	2847	1406	2368	2280	1888	2829
IL36G	0	0	0	0	0	0
IL1RN	355	1007	1680	425	435	343
IL36A	7	8	0	0	0	3
IL36RN	0	0	0	0	0	0
IL36B	0	0	0	0	0	0
IL1F10	0	0	0	0	0	0
CFC1	0	0	0	0	0	0
SMPD4	2027	1328	3263	2442	1677	2292
WDR33	11461	5638	11871	10334	7000	8581
CCDC115	1223	536	2101	1484	1024	1361
SAP130	1317	1215	1902	1460	966	1080
BIN1	2534	795	4469	2961	1408	2104
IMP4	939	562	1235	1034	623	1106
HS6ST1	1058	718	1518	1409	865	653
UGGT1	11541	6588	13703	11594	7725	8418
GYPC	1137	830	1470	995	811	888
STAM	1636	1090	2020	1891	1182	1521
GAD2	0	0	0	0	0	2
ABI1	6576	3075	8828	7053	3346	5084
YME1L1	8045	5397	11402	9013	6422	6199
DNAJC1	915	449	1069	1000	417	624
NIPSNAP3	1039	565	1475	1182	808	828
LRRC8A	1829	1236	2887	2476	1350	1321
CDK9	2763	1604	4083	3067	1985	1956
TXN	998	765	1563	1139	770	718
ODF2	1113	696	1470	1260	650	862
ECPAS	7931	4202	9626	8553	5546	6080
TOR1B	1278	943	2429	1531	946	766
C9orf78	1451	1019	1939	1726	959	1016
SMC2	916	335	1007	1080	438	641
KLF4	2287	1453	3708	4114	1693	1652
TOR1A	1479	868	1695	1405	1031	1044
RALGPS1	1284	732	1388	1036	786	794
FAM129B	1789	1089	2730	1783	1554	1507
OR1J1	0	0	0	0	0	0
OR13C9	3	0	0	0	0	1

ST6GALNA	357	220	529	385	328	293
TMOD1	208	139	274	218	138	271
DAB2IP	40	39	18	40	41	33
STXBP1	153	89	165	227	104	159
SLC2A8	169	118	433	254	170	130
ANGPTL2	9	2	2	5	0	3
CDK5RAP2	4359	2323	5190	4547	2668	3266
ZFP37	277	108	268	343	107	186
SLC31A2	2478	1979	3065	2881	2322	1556
SLC31A1	2028	1034	2582	2348	1793	1783
TLR4	16370	11470	23170	14275	10326	11017
ZNF189	1847	818	1479	1259	770	1235
ALDOB	0	0	0	0	0	0
STX17	1324	593	1203	1168	686	1283
PRPF4	1088	648	1600	1210	678	955
FPGS	1135	647	1555	1299	811	755
USP20	3290	1974	3861	3223	1912	2207
BAAT	0	10	1	2	7	0
KIF12	0	0	0	0	0	0
ATP6V1G1	1803	975	1899	1546	1077	1152
TEX10	2412	1113	2214	2094	1350	1562
GARNL3	95	49	179	164	88	103
MRPL50	1201	580	1149	1116	525	903
DPM2	772	414	574	504	381	509
WDR38	0	0	11	0	0	0
TSTD2	1545	713	1604	1489	966	1061
GABBR2	0	0	0	0	0	0
HEMGN	399	198	1238	244	905	198
PSMB7	1671	876	1944	1943	1249	1225
NR5A1	0	1	0	6	2	0
TRMO	1674	1331	2063	2206	1324	1177
RABEPK	488	295	716	455	310	346
GOLGA1	1932	999	2185	1832	1283	1443
XPA	1042	596	1199	1025	562	808
NCBP1	4827	2614	5761	5308	3097	3964
ANP32B	3216	1951	3602	2843	2261	2621
OR1L4	0	0	2	0	0	0
PDCL	904	453	1031	910	550	610
RPL35	3948	2167	3496	2578	1515	2331
CTSV	2	0	0	8	0	0
LMX1B	0	0	0	0	1	0
ARPC5L	1250	860	2357	1982	945	1122
ENPP2	149	80	159	148	52	119
DSCC1	43	18	47	46	16	11
DERL1	4187	3400	7515	6007	3334	3753
MYC	848	513	1045	585	338	145
NOV	49	111	140	29	11	7
IL33	0	0	0	0	0	0
DMAC1	737	299	659	581	349	502
RANBP6	3152	1683	3838	4007	1917	2505
POLR1E	729	506	986	910	465	699
PLAA	1981	1326	2739	2148	1383	1595
IL11RA	2844	2083	4040	3198	2383	2435
UBAP2	2353	1317	3261	2529	1777	1957
APTX	844	453	949	762	542	606
RNF38	7099	4159	8217	7065	5125	5299
TLN1	62605	48981	87789	64623	98003	45275
CCL21	0	0	0	0	0	0

SIT1	387	223	710	325	216	315
IFNA21	0	0	0	0	0	0
DMRT1	0	0	0	0	0	0
DNAJB5	44	67	51	58	48	26
SPAG8	79	28	85	70	31	59
DCTN3	861	539	1350	1183	654	635
CD72	647	359	560	375	316	333
TMEM8B	327	172	665	691	205	234
GRHPR	1057	747	1828	1160	1041	1050
ALDH1B1	288	163	293	383	185	238
HINT2	165	101	186	145	72	130
ARHGEF39	39	36	30	43	18	34
IGFBPL1	0	0	0	4	0	0
DENND4C	9483	5182	11445	10962	6968	7746
RPS6	23414	12063	19871	19950	10761	14377
CNPY3	2569	1830	3164	2172	1799	1751
FOXP4	389	268	477	385	295	318
PPIL1	328	112	461	387	174	327
KLC4	642	458	849	654	425	590
KIF13A	2390	2165	3569	2738	2072	1957
ZSCAN9	230	80	442	280	80	232
PIM1	7267	3776	6994	6823	2563	4926
GMPR	329	308	498	481	875	401
CMTR1	4262	2336	6088	4929	3276	3152
TFAP2A	0	0	0	1	0	0
SLC22A7	6	3	0	0	0	0
YIPF3	1338	1201	2120	1544	1257	1043
TMEM14B	1362	660	1579	1187	795	893
TMEM63B	673	453	1042	714	548	553
FRS3	192	109	239	143	79	147
TJAP1	1490	912	1853	1441	853	1167
CAPN11	14	13	5	7	48	4
TINAG	0	0	0	0	0	0
HCRTR2	0	0	0	0	0	0
KIAA0319	42	123	116	19	51	10
IRF4	4202	1786	3703	2632	2126	1862
SLC22A23	596	393	816	361	609	359
TUBB2A	33	59	51	48	113	22
LRRC1	309	138	296	337	160	175
GCM1	16	32	32	8	13	10
FOXF2	0	0	0	0	0	0
BPHL	400	109	358	349	300	118
RIPK1	3929	2027	4529	3601	1793	2755
TUBB2B	10	14	0	0	0	4
UQCC2	647	459	954	758	482	575
HMGA1	928	489	856	629	386	570
TCF19	378	289	701	540	240	381
FLOT1	2025	1804	3308	2185	1690	1626
IER3	769	1102	3345	1243	1012	591
MDC1	1680	867	1950	1376	779	1271
PGBD1	143	44	123	126	76	64
ATAT1	148	147	222	142	110	126
TPMT	1030	510	1272	1037	666	623
CLPS	0	0	0	0	0	0
RNF144B	4556	2773	5252	4957	3956	2812
NRM	187	149	350	266	267	168
MTCH1	3703	2842	5925	4423	3296	3056
VARS2	1354	520	1511	1353	994	984

TAF8	3766	2014	4160	3941	1524	2635
FAM8A1	4009	4367	7666	4431	2825	2821
C6orf52	3	2	8	0	0	0
FGFBP1	6	6	0	3	3	0
FGFBP2	1532	855	3180	2174	882	887
CPEB2	990	1063	1553	984	827	816
FHDC1	82	38	106	58	18	32
TLR2	3949	3999	5805	3767	2340	3064
MGARP	11	8	13	0	4	6
TTC29	0	0	0	0	0	0
MYO7A	422	113	518	248	224	234
FCHSD2	6061	3446	6657	5128	3710	4095
ARRB1	7482	4304	9068	8294	6324	5101
SLCO2B1	8	2	17	2	0	6
THAP12	4793	2655	6264	5234	2995	3980
ANKRD42	629	437	624	690	389	539
IL18BP	1357	882	1731	1510	940	1059
NUMA1	10242	5502	9984	7954	4679	6689
CCDC90B	1386	794	1280	1456	765	1041
SYTL2	4329	2993	6136	4797	2355	4465
RAB30	3961	1968	3186	2558	1712	1961
CREBZF	5844	3134	6617	5710	3348	4218
LRRC32	8	23	44	21	9	9
PRCP	4659	2328	4973	4693	2397	2873
NARS2	802	371	1101	834	590	537
RNF121	858	339	778	967	431	480
MRPL15	446	273	460	399	272	373
PI15	5	0	8	2	0	31
TTPA	0	0	0	0	0	0
GGH	54	46	61	115	32	35
SLCO5A1	110	33	88	12	29	17
SULF1	0	0	0	0	0	0
TGS1	2066	1060	2848	1883	975	1486
SDCBP	5934	6196	16594	6137	8592	6166
NEK1	2463	1053	2455	2273	1296	1944
DDX60	6270	2499	7761	6359	3640	4684
NXPE4	0	0	0	0	0	0
SORL1	69912	80005	113177	81543	46868	54985
TMPRSS4	0	0	0	6	0	0
BUD13	682	393	859	546	304	521
TRPC6	47	49	124	75	300	42
MMP7	0	0	0	0	0	0
MMP20	0	0	0	0	0	0
MMP27	0	0	0	0	0	0
CFAP300	0	0	0	0	0	0
DCUN1D5	457	259	438	550	269	462
YAP1	0	0	9	0	0	4
TRIM29	0	0	0	0	0	0
SLC37A4	378	264	467	472	250	413
BTG4	0	0	0	0	0	0
POU2F3	5	11	0	16	0	0
RDX	1598	808	1913	1484	1257	1463
PPP2R1B	3030	1551	3925	3100	1959	2471
FDX1	1027	539	1435	1193	760	835
C11orf1	87	39	74	76	16	84
FXYD6	111	62	261	101	88	111
ARHGAP2(	49	16	29	20	39	19
FXYD2	68	14	75	44	50	52

MMP13	0	0	0	4	0	0
TMPRSS13	267	117	245	220	149	156
CASP1	5880	3041	6939	5762	3945	4548
CASP5	133	144	90	76	41	75
ALKBH8	1025	392	1003	732	434	664
MAP2K5	1580	935	1696	1387	1047	1248
UNC13C	2	0	0	2	0	0
SQOR	2280	1355	2346	2031	1138	1503
CTDSPL2	6736	2920	6164	4574	3018	4290
SLTM	4284	2414	5234	4131	2547	3889
THBS1	8963	9151	10869	7732	42781	5737
MAPKBP1	1637	1125	2425	1809	1428	1424
NUSAP1	28	23	103	32	39	40
NDUFAF1	350	174	444	353	147	299
KIF23	102	56	130	55	55	38
ITGA11	4	0	0	0	0	3
KNL1	565	255	591	392	361	328
HAUS2	660	500	590	601	185	216
RTF1	2827	1716	3477	2508	1674	1995
PARP6	2792	1665	3955	2873	2065	2316
RPLP1	13459	7613	15753	12766	8127	9466
PAQR5	8	5	7	10	3	4
LRRC49	9	4	12	14	5	19
TUBGCP4	1982	1037	2337	1980	1539	1539
RMDN3	1240	738	1820	1561	858	1050
ITPKA	10	10	0	5	2	3
UACA	340	175	279	202	220	128
SMAD6	45	45	141	105	42	68
PLCB2	13794	6871	19008	11705	8413	9113
TMEM62	1072	701	1677	1355	870	895
PAK6	57	44	108	137	56	48
ADAM10	18546	10220	20995	17498	14144	13860
DUOX1	22	13	24	19	1	22
SLC28A2	0	0	0	0	0	3
STRA6	0	0	0	2	0	0
CYP19A1	0	0	12	0	16	4
ZNF280D	4085	2004	4239	3741	2550	3245
SEMA6D	0	0	0	0	0	0
BCL2L10	7	4	0	6	3	0
RSL24D1	2800	1984	3732	3104	1990	2476
SPTBN5	190	242	438	392	387	299
GCOM1	636	40	87	99	1257	288
GCHFR	142	85	176	128	63	114
BCAR3	127	75	96	116	76	75
TTLL7	83	104	195	232	272	139
FNBP1L	460	306	590	498	570	317
KYAT3	1411	792	1740	1251	1030	1112
GTF2B	1478	986	1878	1488	1139	1144
BRDT	0	0	0	2	3	2
RABGGTB	4358	2599	5419	4346	2809	2991
IFI44L	2693	1039	7696	3084	2732	1811
GIPC2	0	3	9	9	12	9
ARHGAP29	161	80	127	53	87	118
IFI44	1848	755	3633	1931	1700	1357
SLC44A5	3	0	2	0	0	2
CLCA2	0	0	0	0	0	0
DNASE2B	0	0	0	0	0	0
DBT	3248	1356	3307	2912	1927	2344

RTCA	1639	982	1850	1467	948	1287
IFT172	1067	582	1339	1059	666	811
SELENOI	3239	1709	3757	3298	2268	2505
CGREF1	4	0	0	0	2	7
HADHB	5810	3320	8029	6650	4988	4682
KHK	115	34	127	109	42	80
ADCY3	886	613	1219	860	955	756
PPM1B	6270	3671	7525	5932	4348	4828
PNPT1	2037	810	2061	1628	1199	1344
DYNC2LI1	220	87	222	217	115	194
LHCGR	0	0	0	1	0	0
THUMPD2	714	481	943	719	609	531
CYP1B1	4666	2085	5993	3505	2534	4333
SULT6B1	0	0	0	0	0	0
RAB1A	4096	3305	3092	4340	1647	1645
ACTR2	39277	21847	49583	38203	25844	25943
PREB	1168	902	1269	1205	600	993
SLC5A6	807	604	1340	1118	651	611
ABCG5	0	0	0	0	0	0
PREPL	3229	1462	3858	3438	2466	2932
SLC3A1	44	15	35	53	18	14
EMILIN1	33	50	65	39	81	27
FBXO11	9168	5349	10371	9141	6028	7187
SIX3	0	0	0	0	0	0
ATRAID	787	375	889	896	556	649
CENPO	856	324	455	589	288	452
LRPPRC	9479	4436	9877	8852	5944	7110
TRIM54	0	0	0	0	0	0
DTNB	855	563	1068	1001	554	730
ACTR1A	3651	2574	5444	3864	2796	2937
CYP2C9	0	0	0	0	0	0
MFSD13A	451	325	467	386	323	275
CYP2C8	24	13	8	12	15	24
MYOF	4950	919	3652	3204	2117	2112
LOXL4	21	1	8	28	18	14
STAMBPL1	1510	985	1956	1964	1072	1533
CH25H	0	0	0	3	0	0
LBX1	0	0	0	0	0	0
ATAD1	4124	1927	4098	3732	2364	3080
BTBD16	0	0	0	0	0	0
KIF11	333	148	420	323	188	238
CUZD1	235	108	161	197	113	134
TACC2	0	0	4	6	2	0
DUSP5	862	1007	1431	1390	1435	682
CALHM2	1390	718	1679	1320	832	1116
ARL3	251	187	296	216	177	282
CEP55	24	16	50	58	26	31
KIF20B	1096	718	1673	1164	726	889
ENTPD1	2226	3319	5862	3928	3523	2970
EXOC6	2143	1460	2717	1858	1151	1851
PLCE1	17	9	0	8	8	8
RBP4	0	0	0	0	4	2
DBR1	1101	550	1073	992	542	775
DNAJC13	10539	5075	11920	9861	6358	7708
GPR87	9	7	2	4	6	0
ANXA7	4000	2466	5835	4752	3245	3662
FAM149B1	1410	672	1331	1101	1021	913
ASCC1	703	468	900	803	516	689

PLA2G12B	0	0	0	0	0	0
ZNF365	272	220	509	433	152	345
OIT3	9	6	6	3	0	5
ADAMTS1	11	4	46	39	20	3
RPS24	6233	3442	5041	4847	3105	4365
TET1	843	342	783	725	381	524
DNA2	473	304	610	530	417	328
MYPN	0	0	4	0	0	0
AOX1	7	0	3	2	11	0
ATIC	1964	943	2076	1723	930	1360
SMARCAL	1649	740	1652	1221	765	1064
BARD1	1373	780	1432	1389	1147	1394
STAT4	7529	3953	9178	9680	4451	5474
MSTN	19	3	3	6	5	8
CARF	2010	1067	1470	1409	735	1462
ASNSD1	1275	746	1581	798	965	777
METTL5	519	264	542	408	240	417
SSB	1383	675	1441	1175	554	1014
NAB1	1975	1304	2081	1286	1113	948
CDK15	8	0	12	11	7	11
PPIG	4378	1322	1802	3259	2147	3214
FASTKD1	1559	869	1870	1366	969	1193
MDH1B	0	0	5	0	0	5
HECW2	62	123	135	72	49	38
IDH1	1863	907	2268	1899	1250	1474
OLA1	1658	796	1623	1621	995	1173
CIR1	1891	1772	3035	1849	1300	1292
ITPRID2	5165	3756	7568	5510	5024	4308
CHRNA1	0	0	0	0	0	0
FAM117B	6983	3697	6712	5608	4382	5142
WDR12	1588	726	1502	1345	829	1142
ABI2	1332	628	1002	1254	819	1114
ITGAV	2054	1002	2546	2458	1511	1899
SLC40A1	2904	3423	5251	3850	4241	3639
SLC35A5	1167	716	1190	911	1385	915
DIRC2	1912	1204	2309	1684	1642	1649
SENP7	6044	3974	7233	6257	3696	4771
GUCA1C	0	0	0	0	0	0
CCDC54	0	0	0	0	0	0
COX17	349	248	523	500	263	289
PARP9	6181	3749	9074	5961	4039	3890
MNS1	2	0	4	3	5	4
USP8	7444	3831	8037	7146	4595	5436
SECISBP2L	7309	3921	8135	6924	4114	5206
TMOD3	9404	6471	11202	9953	8618	7220
SPPL2A	5439	2698	6635	5581	3738	3900
GLCE	875	406	978	848	558	936
SHF	82	54	119	73	30	62
APH1B	760	345	786	581	561	488
INTS14	1058	573	1145	1045	590	784
CILP	44	40	70	45	33	33
PARP16	689	328	735	681	364	452
PPCDC	1062	1919	2376	1248	785	256
HCN4	0	0	0	4	0	0
SEMA7A	290	335	591	382	407	263
UBL7	976	478	1089	914	591	666
ARHGAP24	1037	657	1673	941	1060	919
FAM13A	1339	855	1539	1169	1022	973

HERC3	11341	7334	14213	10796	6771	8462
HERC6	1661	748	2319	1889	969	1402
HERC5	861	715	2219	1284	744	742
PCDH10	0	0	0	0	0	0
NDST4	0	0	0	0	0	0
ZGRF1	1357	622	1538	1220	679	728
AP1AR	1226	588	1379	1134	678	921
COPS4	1125	691	1221	1143	730	873
HNRNPD	8836	4954	9973	8894	5309	5690
PRKG2	12	9	128	28	21	17
RASGEF1B	5499	4669	14318	11106	7447	3157
SEC31A	6344	3942	8043	7093	4526	5029
FGF5	0	0	0	0	0	0
GPAT3	846	639	1142	1072	602	745
IL21	5	0	14	4	9	6
FGF2	90	35	77	62	198	24
BBS7	533	317	672	601	295	479
KIAA1109	26666	17523	40275	31283	18729	22854
BMPR1B	10	0	11	0	0	11
RAP1GDS1	3226	1581	3952	3573	2288	2658
LARP1B	757	372	849	482	447	615
MMRN1	2056	2038	2191	1194	4953	1064
PDE5A	3539	3498	5743	3358	8647	2870
PRDM5	83	70	291	78	53	44
TRPC3	18	44	254	10	9	24
NAAA	4092	1562	3874	3366	3019	2834
NUP54	1463	774	2086	1688	867	1138
CXCL9	13	28	42	17	22	19
BMP2K	6850	3051	7054	4915	3698	4531
G3BP2	5701	4029	7477	7009	4202	4667
11-Sep	3395	2288	4711	4301	3457	2729
FRAS1	4	2	13	10	8	5
SCARB2	5797	3060	5976	5131	4379	4121
CCNG2	4002	2345	4595	3746	1898	2957
CNOT6L	21937	11202	21622	21093	12683	15880
USO1	5853	2703	5914	5368	3288	4005
CDKL2	23	18	25	20	6	8
SHROOM3	15	0	21	2	2	0
ANXA3	217	329	672	156	675	215
PPA2	1970	956	2228	1871	1399	1532
CENPE	236	167	294	233	141	208
GSTCD	542	193	631	513	184	422
INTS12	352	276	567	592	381	340
ENPEP	0	0	8	3	0	3
CASP6	324	199	391	322	215	374
LEF1	7620	3887	6170	5244	2651	4166
HADH	1319	674	1078	1228	618	1029
EGF	711	763	1238	960	2700	664
PAPSS1	1597	1376	2280	1301	985	1305
SEC24B	4760	2939	5557	4638	2767	3528
C4orf17	0	0	0	0	2	0
PPP3CA	4928	2885	5647	4456	2860	3403
SLC39A8	1298	770	1855	1594	937	1353
MTTP	4	0	2	0	0	0
FBN2	1425	751	1551	1383	1572	1347
MAPK8IP3	7039	3857	8837	6737	5006	5095
RGS3	2464	1301	3568	3242	1387	1904
GUCD1	2646	1848	3633	2381	1873	1745

TTLL8	0	0	0	0	0	0
RNF185	649	437	2256	1765	551	1318
SHISAL1	0	0	8	0	3	0
PARVG	8736	3959	9466	7344	5978	5132
B4GALNT3	178	6	81	210	27	246
PDE6H	4	13	9	15	15	8
ERP27	1649	944	1623	1478	1061	1104
ETV6	4748	3886	7596	5099	4611	4125
GABARAPL	968	1210	2151	2609	1372	1337
KIF21A	1481	718	1643	1789	798	1038
CPNE8	1389	658	1795	1505	1172	1178
YARS2	813	388	994	765	440	685
FGD4	2116	1134	4481	2446	2595	1624
ALG10	1232	631	1407	1096	901	934
PIK3C2G	0	0	0	0	0	0
SINHCAF	3624	2086	5260	3630	2969	2957
PLCZ1	0	0	4	0	0	0
AEBP2	3772	1680	3746	3333	2055	2980
SLCO1C1	0	2	0	0	0	0
ETFBKMT	177	80	52	122	30	34
ETNK1	9957	4280	9426	9119	5550	7440
ZCRB1	536	307	700	469	307	425
TMEM117	327	151	343	369	182	202
PRICKLE1	450	213	458	301	221	609
C1RL	1470	977	1823	1018	742	815
NDUFA9	2193	1220	2461	2404	1266	1783
CLSTN3	1742	1364	5062	2596	1912	2301
KLRG1	2203	2066	2855	2947	1695	2765
VAMP1	2071	1240	3085	1477	1212	1910
TAPBPL	1906	847	2183	1321	966	1237
CD27	958	568	1088	703	501	847
RBP5	16	5	33	6	14	9
PEX5	636	316	1227	694	358	965
PIANP	0	10	11	7	8	14
SLC38A4	5	0	0	3	0	0
AMIGO2	1043	359	1123	1103	721	859
SCAF11	15938	6586	17753	15506	9994	11844
COL2A1	0	5	0	0	0	0
PPFIA2	0	0	0	0	0	0
ANP32D	0	1	0	0	4	2
LLPH	1584	702	1569	1584	959	1080
LRIG3	0	0	0	0	0	2
9-Mar	1086	733	1528	1138	772	975
INHBE	0	0	2	3	0	0
GLIPR1	9931	5598	11118	9800	6825	9437
TPH2	0	0	2	6	4	0
PHLDA1	302	296	569	316	190	363
TMEM19	2650	1068	2030	2052	1366	1361
LGR5	0	0	0	0	0	0
PTPRQ	0	0	3	0	0	0
DUSP6	8804	5268	9711	11231	5370	4901
POC1B	2923	1636	3474	2972	1941	2045
TMTC3	1315	689	1483	1218	717	1070
LUM	8	0	72	113	2	18
KERA	0	0	0	0	0	0
SNRPF	648	450	918	850	463	453
AMDHD1	131	37	86	124	29	84
NEDD1	1873	1081	2126	1949	1083	1484

SYCP3	147	35	83	131	38	75
ASCL1	0	0	0	0	0	0
GAS2L3	94	56	147	130	51	95
TMEM132I	0	4	0	17	11	5
SLC15A4	3717	4086	6589	5033	3248	2517
TDG	1041	521	2699	1926	615	1405
RITA1	299	198	472	351	171	210
SDSL	31	39	35	54	9	18
MMAB	577	238	540	446	270	347
GLTP	1690	1155	2497	1740	1452	1373
GIT2	9677	5784	11676	9071	6910	7639
TCHP	1157	670	1601	1323	976	977
FAM222A	9	9	13	25	12	18
FOXN4	0	0	0	3	0	0
NUP58	5030	3209	5357	4359	2860	4149
MTMR6	4679	2793	5833	4753	2897	3333
SLC46A3	1637	761	2039	1957	1038	1372
SLC7A1	2459	1637	3246	3085	1848	1887
PDX1	0	0	0	0	0	0
LNX2	1108	608	1031	983	566	927
SUOX	385	103	439	129	157	113
CCDC65	109	99	164	190	36	127
SLC39A5	11	5	16	2	6	4
TARBP2	356	208	529	261	269	268
RDH16	79	28	93	89	70	62
DHH	2	0	2	0	3	18
ACVRL1	94	16	158	65	40	52
GPR84	52	90	157	106	101	67
NPFF	0	0	0	0	0	0
NABP2	372	187	512	450	328	314
N4BP2L1	2614	1028	2483	2001	1413	1638
CELA1	4	0	5	0	0	3
SMARCC2	4886	2717	5667	4922	2676	3695
BRCA2	858	421	875	570	489	517
KANSL2	1307	1110	1902	1816	972	1133
CERS5	1927	1188	2110	1971	923	1157
MAP3K12	1145	507	1443	891	683	798
ITGB7	4252	2049	6267	5223	2953	3092
GALNT6	1191	583	1456	1302	739	723
CSAD	963	875	1321	939	553	804
LMBR1L	2596	2047	4561	3071	2280	2230
C12orf10	465	258	519	385	311	365
ESYT1	10008	5013	12502	11322	6083	8317
TMBIM6	8279	5450	12215	9470	6536	7910
ANKRD52	3450	2168	4522	3920	2155	2754
KRT71	0	0	0	0	0	0
ZNF740	5521	2548	5627	4371	2833	3703
SMIM2	0	0	0	0	0	0
WDFY2	9834	5769	10978	10846	7644	7816
HNRNPA1	378	224	427	340	203	343
LPAR6	1385	1620	912	668	575	993
ESD	1604	743	1675	1700	1221	1229
RB1	4686	2640	5335	3877	2616	3123
SBNO1	10040	5201	10465	9852	6073	7649
MORN3	220	173	240	178	117	145
SETD1B	7246	5646	9463	7401	4357	5277
VPS33A	2401	1496	3184	2609	1639	2249
VPS37B	4030	3589	6476	4769	3670	2867

RHOF	4038	2129	4760	4311	2639	2843
DENR	2877	1544	3481	2648	1705	2284
DIAPH3	51	29	66	55	45	53
SLAIN1	1114	616	1196	1223	645	919
RBM26	11821	5650	10717	9860	6039	8354
SRRM4	0	0	0	0	0	0
METTL21C	0	0	0	0	2	0
MBNL2	3292	1875	4354	3561	2623	2583
RNF113B	0	0	0	0	0	0
ZIC5	0	0	0	0	0	0
ABHD13	3835	2229	4166	3873	2421	2848
RAB20	259	304	575	253	267	141
GRTP1	38	12	36	32	29	17
CUL4A	4480	2149	6763	4132	2538	4309
TTC6	0	0	0	0	0	0
SSTR1	0	0	0	0	0	0
CDH24	139	72	122	70	43	45
REM2	103	253	374	131	99	116
CBLN3	149	87	195	112	80	94
TSSK4	20	16	27	9	8	25
NOVA1	2	0	15	7	0	2
FITM1	20	16	64	35	29	27
MDGA2	4	2	0	0	0	0
TMX1	2994	1405	3359	2970	2266	2255
FRMD6	77	15	85	34	27	39
PELI2	4435	3465	5516	4214	3864	3485
RTN1	2641	747	1661	2354	1982	1857
ARMH4	157	91	199	165	81	117
SYT16	6	6	6	0	2	0
SLC38A6	750	315	715	587	412	542
NAA30	2617	1389	2799	2693	1392	2150
ADAM21	5	0	6	8	4	0
RDH12	3	0	0	0	0	6
DCAF5	6259	2800	6967	6866	3151	4410
RAB15	464	93	242	135	231	165
WDR89	1301	407	1105	1180	507	1046
ESR2	133	74	120	73	67	38
KCNH5	0	0	0	1	0	0
STON2	1829	1329	2756	1956	4129	1542
EFCAB11	205	148	273	261	142	159
GPR65	4954	3300	5046	5121	2748	3735
PTGR2	161	146	269	201	135	278
JDP2	427	272	442	406	464	281
AK7	3	0	5	10	0	5
FAM181A	0	0	0	0	0	0
SLC24A4	5962	3095	8282	5812	5384	4753
FBLN5	118	33	79	105	32	191
SERPINA1(	0	0	0	0	0	0
CLBA1	74	45	36	27	27	46
WARS	4562	3643	8616	4806	4210	4252
SLC25A47	14	11	3	8	1	2
WDR20	1621	1008	2223	1793	1005	1205
NIPA2	1597	1297	2895	2053	1569	1724
SLC12A6	11814	9514	13897	10265	7157	7859
DUOXA1	7	0	2	5	0	4
MFAP1	530	288	627	468	245	385
TCF12	5390	1760	6162	3479	3001	3962
SORD	458	169	312	536	311	209

SERF2	3310	3011	4514	3873	2987	2900
ZSCAN29	1772	1090	2403	2101	1121	1725
DUOXA2	0	0	3	0	0	0
DUOX2	2	0	14	5	0	0
LYSMD2	1411	972	1006	716	468	1007
SLC27A2	21	19	64	49	53	42
FGF7	2	3	4	4	3	4
HDC	691	425	973	1105	326	345
GCNT3	0	0	0	0	0	0
BNIP2	9736	5365	11840	9133	7336	7367
GTF2A2	922	491	1285	1194	705	713
SRP14	628	813	1110	878	416	564
BAHD1	1166	706	1657	1498	806	940
DISP2	105	27	49	64	14	22
CDAN1	995	719	1704	1285	644	820
TLE3	4780	6137	9287	4360	2951	2680
ANP32A	5811	4026	7202	5458	4127	5221
COMMD4	490	232	417	445	274	309
UBE2Q2	3401	896	2733	2261	2108	1555
PSTPIP1	4069	2694	6118	5208	2624	3034
ETFA	2193	1254	3105	2454	1896	1679
BCL2A1	1357	3338	3839	1277	1409	853
HMG20A	2912	1147	1605	2422	1416	1926
SCAPER	2609	1594	3589	2743	1693	2000
TSPAN3	2947	1123	2738	1972	1298	1572
WDR61	1131	652	1274	1358	921	1088
NCOA2	10990	7131	12009	10142	6928	7634
NEIL1	646	601	680	1163	455	500
MAN2C1	5065	2806	5482	5489	3128	3066
DNAJA4	1083	585	2110	1497	769	869
TLNRD1	1380	858	1808	1536	769	988
TPM1	616	364	1788	562	1772	1126
IGF1R	4673	4474	8003	6565	3486	4518
ARRDC4	2916	1466	3838	1801	2225	1957
PIF1	102	21	123	84	38	63
USP3	13620	8735	18206	13258	10949	11152
CYP11A1	2	4	0	7	0	2
BBS4	442	314	915	798	488	397
PML	2747	1925	5028	3166	2342	2197
CYP1A1	0	0	0	0	3	0
ADAMTS1	241	144	264	235	137	275
LINS1	4807	1797	4216	2906	2274	4061
ULK3	1321	815	2095	1262	1097	1009
GOLGA6D	0	0	0	2	0	0
PCSK6	1040	882	790	581	2339	498
CCDC33	0	0	0	0	0	0
CELF6	165	79	400	292	168	285
SCAMP2	2796	1498	3682	2854	2092	2245
CYP1A2	0	0	0	0	0	0
LMAN1L	11	7	24	15	7	13
HAPLN3	1301	884	1622	1218	723	1027
RHCG	0	0	0	0	0	0
POLG	3679	2373	5501	4790	2704	3112
RLBP1	5	2	0	4	4	0
FANCI	1104	488	1494	1163	754	801
ABHD2	12913	10368	24080	15253	8997	10113
WDR93	4	0	11	8	5	6
TICRR	44	44	52	31	48	31

NTRK3	6	0	0	0	0	2
DET1	1386	489	1178	1067	471	924
MFGE8	798	456	1089	907	383	587
ZNF710	3581	1784	3592	3040	2098	2255
UNC45A	1712	1111	2385	1800	1454	1222
ST8SIA2	0	0	0	0	0	0
MCTP2	7200	5760	12698	9544	4208	4461
FURIN	3610	3184	6038	3742	3050	2790
IQGAP1	31683	25856	48579	36339	21167	24088
CRTC3	5010	2902	5821	4485	2872	3714
EFL1	1744	765	1710	1421	809	1012
SH3GL3	0	2	0	0	0	0
SEC11A	2897	1677	3971	2843	2265	2592
12-Sep	0	0	0	2	0	0
GLYR1	4432	2495	5623	4089	2551	2668
PMM2	2130	1071	2863	2417	933	1802
SLC5A2	28	26	74	38	29	13
ITGAX	13302	13838	23819	13437	10589	10586
TGFB1I1	74	114	106	83	333	72
C16orf58	977	875	1914	1698	991	868
ARMC5	381	310	536	535	234	268
PARN	2668	1337	2845	2267	1602	1721
FTO	3147	1738	3308	3552	1962	2663
UQCRC2	4069	2675	5584	4640	3621	3532
CDR2	1711	1068	2279	1829	1371	1733
IGSF6	2934	2416	3903	2041	1836	1764
ARHGAP1	5794	2950	6870	5516	3999	4168
MYLK3	24	13	34	2	31	14
ABCC12	0	0	0	0	0	0
NKD1	389	265	490	351	168	314
DHX38	3416	1885	4336	3660	2278	2354
TXNL4B	842	379	1212	961	968	736
MARVELD	2	0	0	2	3	0
CHST4	0	6	0	0	0	0
ZFHX3	3064	1577	3674	3066	2813	2294
CLEC18B	31	46	45	40	22	73
CPNE2	660	547	1012	761	490	580
NLRC5	24189	12823	34607	27232	17274	15904
KATNB1	840	439	1106	883	600	572
KIFC3	428	350	1116	519	702	311
ADAMTS1	0	0	0	0	0	0
NUDT7	151	88	138	91	113	129
GCSH	93	33	59	108	34	38
CMTM3	1858	743	2587	1951	1667	2001
CMTM2	82	278	223	76	52	16
CDH11	0	0	0	0	0	0
NOL3	47	63	82	75	61	48
MAP1LC3B	4564	4669	8662	6192	5890	4250
MBTPS1	7812	3980	9489	7262	5232	5620
CDH13	0	2	0	0	6	0
ZCCHC14	2287	1449	2497	2344	1318	1412
TLDC1	1103	450	1296	482	762	379
ADAD2	0	0	0	0	0	0
OSGIN1	85	58	66	71	48	59
IRF8	2741	2956	3446	2663	2736	1731
RHOT2	2672	1550	3483	2671	1850	2076
RPL3L	0	0	0	0	0	0
ZSCAN32	761	462	857	784	429	723

RPS2	18751	9381	21178	12633	8984	11896
NDUFB10	286	190	376	287	140	215
PDPK1	6454	4012	4795	3815	3079	4663
TIGD7	424	183	361	319	176	344
DEF8	1610	2335	4453	2928	2584	1360
TCF25	6357	4148	8642	7888	5954	4277
GALNS	1868	1534	2544	1895	1120	1511
GAS8	100	76	154	61	53	73
MED9	710	415	1057	893	585	538
NCOR1	15208	8472	17662	14593	10326	10931
COPS3	1031	700	1658	1231	895	834
GID4	971	537	1326	1037	649	829
ZNF287	356	125	273	227	128	264
MYOCD	0	0	0	0	0	0
KSR1	2908	1876	3367	2763	2090	1757
UTP4	1132	676	1312	1251	725	799
RANBP10	1899	1189	2212	1636	1401	1443
CTRL	192	77	209	208	179	177
DPEP3	130	68	108	63	66	24
GFOD2	966	616	1436	1086	639	993
NOB1	1019	551	1028	887	551	626
PRPSAP2	1473	883	1784	1626	985	1239
UNC45B	140	22	124	150	74	53
PCTP	791	675	999	771	662	555
OR4D1	130	70	111	163	76	2
TOM1L1	22	19	30	5	56	25
KIF2B	0	0	0	0	0	0
C17orf80	312	124	440	277	618	379
TOB1	2174	1663	3002	2882	1326	1932
VPS53	7273	3827	7487	6872	4261	4590
SPATA22	2	0	0	40	5	18
SGSM2	2697	1778	3682	2638	1948	1766
NPEPPS	7090	4600	8479	7495	5187	5218
SKAP1	3097	1584	3924	3287	1557	2273
LRRC46	24	19	39	112	18	22
SCRN2	595	340	686	538	398	447
SSH2	25367	20197	29082	21852	15048	15562
RHBDL3	8	0	16	0	4	0
SPACA3	0	0	0	0	0	0
ARSG	2367	1429	2809	2112	1778	1461
ABCA8	0	0	0	0	0	0
G6PC3	384	228	596	499	422	320
CLTC	24059	12137	26081	24052	15897	17588
C17orf64	0	0	0	2	0	0
BCAS3	3108	1963	3871	2901	2072	2208
PTRH2	793	425	825	600	433	573
SS18	3904	2030	4266	3556	2091	3028
TAF4B	1288	658	1052	844	582	798
AFG3L2	2425	1230	2762	2478	1564	1744
PRELID3A	15	11	19	26	33	22
IMPA2	680	822	831	724	518	667
GNAL	47	59	255	289	391	41
SLC39A6	2015	1257	2408	2247	1369	1593
RPRD1A	3419	1937	3585	3018	2145	2634
C18orf21	402	213	444	350	177	234
GALNT1	3776	1602	3659	3503	1960	2019
ASXL3	0	0	0	0	0	2
ADCYAP1	0	0	5	0	0	0

MEP1B	11	2	1	0	6	0
SLC25A52	12	8	12	19	14	8
GAREM1	32	0	26	2	4	10
ESCO1	2864	2020	3716	2604	1493	2189
OSBPL1A	757	401	904	825	559	651
GATA6	26	13	15	7	17	8
GREB1L	8	0	10	0	4	3
RMC1	2155	1316	3070	2463	1625	1829
PELP1	1529	856	1759	1575	1012	1274
NPC1	5740	3401	7463	6908	4411	4146
SLC14A1	503	379	1376	1257	455	350
ARRB2	6292	4755	8726	6461	5048	4291
SLC13A5	6	2	7	0	2	0
ZMYND15	69	67	86	99	57	28
WRAP53	338	164	457	389	195	224
MINK1	3597	2773	5977	4671	3936	3374
SAT2	548	406	990	556	550	528
ASGR1	219	107	283	164	161	116
PIK3R5	8466	6922	13156	9478	5744	5392
TP53	2191	2340	1146	2184	1204	1406
CCDC40	43	4	8	25	9	10
ARHGDIA	3978	3033	6681	4932	3241	3044
TMC6	13668	6435	16332	12500	7900	10696
SLC16A3	4024	5492	10137	4525	3646	3195
CARD14	26	6	31	34	16	34
TTYH2	1717	924	2207	1635	1713	1209
RAB40B	148	83	179	128	91	123
EIF4A3	1435	1067	1845	1624	854	1189
CSNK1D	7373	6455	11331	8212	5485	5325
ANAPC11	286	178	390	367	236	247
TBCD	4240	2089	4433	4281	2793	2864
FN3KRP	415	338	622	389	255	404
NARF	1366	1073	1909	1419	889	838
RPTOR	3979	2087	6019	4300	3009	2884
FOXK2	2707	1434	2946	2478	1744	1604
TRIM65	1310	810	1970	1658	854	1204
CBX8	135	128	188	178	95	127
SECTM1	1761	1551	2125	1294	1181	984
RNF157	2092	1084	1769	1510	982	1659
CEP131	248	240	475	304	216	230
ZNF750	6	4	9	2	3	9
WDR45B	2555	1756	3602	2941	1914	1614
CBX4	848	954	1470	1239	614	756
RNF165	578	391	799	1359	434	370
DYM	4623	2932	5710	5122	3728	3922
MAPK4	0	0	0	0	0	0
ELAC1	417	170	364	341	210	314
MBD1	2197	1303	2609	2003	1178	1586
SMAD4	11853	5719	10990	10090	6335	8754
TNFRSF11A	118	79	172	164	109	54
ZCCHC2	2953	2215	5404	2811	2323	2379
FBXO15	23	52	78	61	38	28
CBLN2	0	0	0	0	0	0
PMAIP1	568	581	1356	231	571	345
P3H4	112	96	143	163	50	104
NT5C3B	157	119	249	369	224	351
RETREG3	5663	2968	6399	6577	3839	4233
ERBB2	1170	500	1931	1478	701	789

GRB7	0	0	4	0	0	0
MIEN1	316	212	428	368	330	212
PNMT	3	2	10	0	2	4
ARL5C	7	12	10	13	34	6
STAC2	4	2	0	3	0	0
IGFBP4	113	79	202	118	87	86
FKBP10	22	27	18	22	13	11
TXNL4A	1281	677	1819	1360	846	1158
CACNA1A	24	31	29	23	7	12
MISP3	21	14	51	35	21	28
SAMD1	723	416	947	662	429	579
BRD4	7288	4563	9101	7032	5016	5320
SLC39A3	748	512	1123	901	1033	611
NFIC	1142	493	1452	1701	468	1528
TPGS1	784	371	858	687	320	440
PLPP2	36	44	68	112	35	43
ZIM3	0	0	0	0	0	0
PRDM15	1005	669	1378	919	770	740
PFKL	5465	2880	6385	5039	4009	3682
FEM1A	2091	1388	3013	2597	1636	1762
VAV1	6405	4407	8933	6978	4603	4822
MVB12A	777	544	1159	791	530	718
CIB3	0	0	0	0	0	0
AC008764	2	126	10	169	2	2
SH3GL1	1121	892	1901	1087	1031	996
DUS3L	907	645	1033	907	773	595
DPP9	2935	1797	4191	3167	1865	1978
DMRTC2	0	0	19	2	6	0
CCDC97	1527	851	2004	1651	958	1093
TMEM91	597	407	749	639	658	445
ZFP14	2552	1119	2324	1870	1259	1898
SIRT3	569	246	669	436	398	373
IFITM3	1314	1258	2999	1626	971	1062
PGGHG	6106	5347	5846	4147	3616	8393
HUNK	0	7	14	2	2	11
COL6A1	210	38	176	167	96	46
IFNAR1	7412	4920	8704	6571	3596	4888
SOD1	1491	885	1745	1609	961	1119
COL6A2	1583	798	1730	2997	701	1137
SIK1	820	844	1348	1705	1363	594
DNMT3L	0	0	0	0	0	0
TRPM2	1407	920	1920	1451	1434	1321
SCYL1	1602	1310	2383	1681	1247	1197
TMEM50B	1216	785	1628	1706	770	1017
APP	3841	3209	5215	4186	5553	3983
DOP1B	4749	2745	6342	4412	3389	3784
URB1	3650	1633	3599	2807	1884	2295
AKT1	4174	3177	6270	2811	3099	3023
IL19	0	0	2	0	0	0
EMP3	2329	1044	3305	1626	1405	1613
SAE1	2088	1058	2501	2084	1197	1415
NTN5	28	20	44	39	18	11
LMTK3	287	148	519	326	189	257
GEMIN7	605	311	682	701	537	452
CBLC	1	0	0	0	1	0
WTIP	58	32	109	62	27	49
ADAMTS1(	1784	900	2451	2294	825	1322
SLC6A3	6	2	4	0	0	0

RNPEPL1	3294	1929	5007	3397	2540	2599
CAPN10	1714	939	2235	1864	1100	1435
MYO1F	18179	16283	30797	20324	13051	13950
ERVK3-1	2288	1891	3405	3048	1985	1901
NLRP12	2444	1916	3805	1961	2174	1938
CACNG8	30	24	74	69	17	65
ZNF787	966	673	1660	964	869	693
TIMM29	335	249	445	396	165	291
FBN3	0	0	0	0	0	0
CARM1	881	497	960	751	620	632
EVI5L	596	349	900	858	501	426
TM4SF5	0	0	0	0	2	0
SLC47A1	26	25	190	25	203	33
PSMB6	473	258	544	575	365	319
GPR32	0	0	0	0	0	0
SIGLEC10	1430	1116	1303	1130	1402	1140
ACP4	4	0	4	4	1	4
KLK3	0	0	0	0	0	0
ZNF473	681	407	946	766	370	546
FAM71E1	0	5	8	5	4	4
RPS11	8170	4624	7773	6115	4004	5732
PTH2	0	0	0	0	0	0
AC020909	0	0	0	0	0	0
RPL13A	34400	17296	34046	29272	17809	24217
CTU1	314	74	282	213	100	151
NOSIP	1951	1280	1982	1691	1060	1419
IGLON5	0	0	0	0	0	0
RCN3	544	585	741	433	465	440
ZNF614	643	426	688	743	335	517
SLC2A5	220	115	236	86	110	102
RERE	4347	4826	8035	5672	4239	4746
MMEL1	24	6	22	26	23	2
CFAP74	0	0	0	0	0	0
PRDM16	1	8	12	10	0	0
CELA2A	0	0	0	0	0	1
PADI3	0	0	0	0	0	0
FHAD1	10	10	30	16	59	18
PADI1	0	0	0	0	0	0
EPHA2	31	47	74	81	181	31
ARHGEF19	202	148	326	169	192	218
EFHD2	13002	9588	22886	17019	9494	8919
PEX14	727	343	853	568	423	481
PGD	4395	3683	7148	4319	4329	4410
MYOM3	0	0	0	0	0	0
SH3BGRL3	4642	3276	7422	5457	7194	4659
CNKSR1	103	72	94	69	64	49
RPL11	5937	3763	5757	6055	3611	5294
IL22RA1	6	0	2	4	0	0
ZNF593	138	88	232	110	65	106
C1orf216	439	226	766	534	336	292
KIAA0319L	4501	2736	5936	3960	3086	3502
EVA1B	57	43	117	97	40	57
C1orf94	0	0	0	0	0	0
DMRTA2	0	0	0	0	0	0
PLK4	220	118	232	206	108	150
MAP3K6	428	207	589	257	200	299
FCN3	0	3	0	0	0	0
GPN2	1441	915	2078	1564	1038	1165

SYTL1	5019	2798	6879	5881	3386	3968
WDTC1	4420	3104	6148	4725	2864	3188
CELA3A	0	0	0	0	0	0
NBPF3	373	289	407	365	444	349
HSPG2	339	267	308	385	386	93
ITGB3BP	911	508	974	685	449	530
SERBP1	8597	4153	8659	8091	4662	6210
BCL10	1686	2040	3042	1852	1337	1213
CYR61	0	0	0	0	0	0
PRKACB	14212	6938	15035	13072	8641	9797
PIGK	2354	1020	2535	2533	1167	1641
TINAGL1	0	0	2	6	3	0
AZIN2	237	129	291	270	147	91
RPS8	23163	13349	24643	21540	15001	18795
KIF2C	73	32	58	69	33	109
PTPRF	54	85	130	62	187	58
BEST4	17	9	16	26	12	6
MOB3C	2202	1733	3537	2448	1962	1819
CYP4B1	0	0	4	13	0	0
TMEM61	0	0	0	0	0	0
DMRTB1	0	0	0	0	0	0
LMO4	1749	879	2004	1619	1170	1318
SYPL2	0	0	7	0	2	0
BARHL2	0	0	0	0	0	0
MTF2	2432	1123	3773	2376	1977	1941
SLC44A3	17	0	8	0	4	5
IGSF3	20	6	22	24	20	10
ZNF697	427	338	991	418	407	605
CTTNBP2N	636	172	390	385	356	395
STRIP1	2735	1919	4016	2978	2153	1957
KCNA10	0	0	0	0	0	0
PSMA5	2262	1028	2374	2291	1242	1500
FNDC7	15	10	27	17	11	19
C1orf162	2933	1290	2604	2737	1911	2376
CD53	12907	8183	17640	12866	8259	8424
PROK1	0	0	0	0	0	0
CELSR2	765	284	889	777	397	522
ITGA10	236	107	250	178	84	162
GPR161	58	9	19	21	48	15
ALDH9A1	2882	1626	3657	3203	1973	1998
ATP1B1	211	61	193	231	158	204
TIPRL	2122	1019	2144	1960	1172	1829
NME7	473	217	546	416	272	259
POGK	4248	2219	5338	4650	3610	3570
MPC2	693	488	878	670	519	429
CREG1	3271	1546	3855	2908	2713	2448
DCAF6	2728	1441	3067	2635	1618	2045
GPA33	571	356	472	353	203	328
RXRG	2	0	0	0	0	0
TBX19	492	224	482	486	334	508
UCK2	335	144	345	304	177	238
TMCO1	2426	1104	3010	2796	2065	1878
XCL1	94	51	113	105	21	90
XCL2	255	278	254	462	146	155
POU2F1	7043	3795	7079	1876	4428	4859
MAEL	2	10	11	6	26	0
ILDR2	46	60	111	126	180	56
DPT	0	0	0	0	0	0

MGST3	1374	754	1868	1522	1020	1106
ADCY10	13	2	17	27	10	26
COP1	5864	4968	9030	5902	3967	4323
NECTIN4	0	2	18	6	7	0
UFC1	978	567	1203	1050	636	624
PPOX	832	348	915	800	518	599
FCGR2A	1927	6250	6402	2303	2437	2468
NUF2	111	49	122	65	73	74
RGS5	109	68	119	110	73	109
SDHC	4371	2239	4255	4020	2746	2992
PFDN2	103	68	134	134	69	85
NR1I3	11	3	7	8	4	4
USP21	1054	470	1056	1019	594	692
F13B	0	0	0	0	0	0
PRCC	1664	1081	2164	1802	923	1256
FCRL5	1266	920	3181	1112	1394	3193
RRNAD1	700	323	569	591	499	485
MRPL24	224	110	220	176	94	147
PIGM	1438	823	1321	1306	975	1084
CASQ1	28	56	0	39	47	68
ISG20L2	1136	1507	2528	1719	1074	1282
CRABP2	17	13	40	30	24	16
HDGF	2671	1987	3936	2669	2750	2201
ABL2	4060	1831	4141	3347	2006	2537
XPR1	3797	2016	4121	3674	3067	2819
RGS16	22	16	31	32	30	0
TOR1AIP1	5726	3464	7318	3122	2379	4687
FAM163A	0	4	0	0	0	0
HMCN1	32	13	51	46	10	14
RGL1	360	110	362	235	167	193
LYPLAL1	1288	774	1440	754	1142	770
LHX9	0	0	0	0	0	0
PRUNE1	489	476	622	763	494	1228
RORC	272	239	360	239	171	577
TUFT1	145	224	215	163	93	116
SF3B4	999	681	1446	973	736	731
ECM1	34	11	33	30	29	23
ZNF687	2794	2476	4920	3114	2550	2024
TARS2	804	469	1109	910	418	643
CGN	19	14	6	18	3	7
SNX27	4936	3434	6958	6022	4611	5536
SETDB1	2961	1797	3470	2854	1860	2326
ADAMTSL4	2023	1118	2615	1646	1220	864
MCL1	41481	38709	64939	52915	28992	30392
CTSK	704	375	886	736	690	613
RFX5	4099	2025	4721	3765	2557	2619
PI4KB	3221	2024	4172	3484	2304	2438
PIP5K1A	1831	1063	3568	1746	1387	1948
ANP32E	3472	1685	4449	3978	1793	3468
MINDY1	1276	1545	1925	1514	1797	951
ANXA9	31	7	53	19	29	18
SELENBP1	37	8	50	33	49	177
CERS2	5048	3864	7531	5263	4787	4219
ENSA	3700	2799	5225	4384	2774	2790
SEMA6C	204	163	233	218	149	191
MRPL9	393	277	657	563	218	348
ARNT	4929	2587	3218	4588	2599	2041
POGZ	3875	3154	6439	4118	3697	4900

C1orf56	75	55	80	56	33	49
OAZ3	23	3	15	13	11	3
HORMAD1	198	122	154	102	122	252
GOLPH3L	1275	526	1305	1203	632	1011
GABPB2	4569	2127	4597	4103	2179	2830
SYT14	3	2	2	0	0	5
KCNH1	5	0	6	0	0	0
DTL	73	46	131	78	113	72
DYRK3	12	20	31	48	26	14
EIF2D	2368	989	2271	1977	1182	1872
INTS7	1587	870	1941	1777	1147	1200
VASH2	4	11	14	4	18	11
TAF1A	543	267	560	443	291	385
SMYD2	1528	750	1827	1589	982	1225
SUSD4	198	69	214	89	122	140
DUSP10	593	617	1462	807	346	416
HHIPL2	23	8	32	18	16	18
TP53BP2	2483	2123	4175	2580	2154	2133
ATP8B2	10402	5953	13175	11449	6068	9080
FLG2	0	0	0	0	0	0
CRNN	0	0	0	0	0	0
ADAM15	1585	770	1926	1521	1261	1053
JTB	2004	1211	2294	2625	1551	1225
RAB13	1	46	87	1	60	7
S100A8	18733	20596	42156	17109	15639	20398
TPM3	6298	5695	9967	7483	5442	4834
NUP210L	31	9	24	21	18	9
SNAPIN	361	165	368	356	210	287
SLC27A3	1515	770	1725	1584	732	997
S100A7	0	0	0	0	0	0
UBAP2L	4575	2688	5709	4642	2807	3446
SLC39A1	508	541	1445	543	297	805
HAX1	965	589	1106	920	645	905
CREB3L4	224	110	224	136	112	158
EFNA3	21	21	44	45	26	17
AQP10	118	155	106	210	259	43
KCNN3	68	17	27	38	25	29
C1orf43	2159	1420	2881	2134	1842	1573
GATAD2B	7537	4418	8560	7035	4563	5664
ILF2	2627	1836	3982	3285	2041	2119
RIT1	2968	3430	5445	3509	4004	2520
INTS3	6037	3710	7446	5937	3854	4730
PKLR	0	0	2	3	0	0
HCN3	91	70	137	132	110	88
FLG	0	0	0	0	0	0
ACTA1	5	5	6	0	2	2
C1orf131	421	205	470	440	208	277
GALNT2	3298	1650	4358	3716	2615	2433
TTC13	3935	2372	5212	4525	2441	3133
SCCPDH	626	304	647	632	276	544
LYST	58614	32957	67324	48020	30906	41281
MAP3K21	345	137	432	189	205	210
CEP170	4263	1801	3600	2977	2240	2404
ACP1	1173	593	1466	1239	706	934
SNAP47	920	428	1053	979	493	657
SRP9	5986	2807	6494	6137	3866	4495
NVL	1440	614	1704	1332	778	1234
SDE2	2286	2097	3884	2938	1848	1864

DEGS1	1986	1100	3091	2410	1440	849
FBXO28	3240	1476	3065	1213	1700	863
ARF1	6526	5662	3483	2907	3946	2540
LEFTY2	12	0	4	9	9	0
CNIH4	1478	430	1015	768	670	1027
ITPKB	15741	8718	19504	15975	8750	11186
GUK1	1506	1594	2727	2553	1861	1381
CDC42BPA	267	217	323	370	401	338
CNIH3	57	32	33	58	29	17
C1orf35	339	180	333	241	138	202
MBOAT2	1038	1667	1986	972	1247	755
PARP1	5750	2790	7351	6161	3457	4360
PSEN2	413	146	373	395	179	278
PYCR2	1628	958	1886	1543	1238	1184
LBR	10164	7007	13772	9556	6465	7841
WNT9A	4	6	2	6	6	14
EPHX1	212	72	244	222	183	176
REN	0	0	0	0	0	0
SOX13	476	259	792	938	185	387
ETNK2	34	28	54	101	12	29
PPFIA4	54	68	124	122	40	120
PLEKHA6	34	21	48	53	48	26
PTPN7	1436	787	2166	1668	758	945
SYT2	27	34	29	10	2	5
ARL8A	965	668	1587	1009	645	627
OSR1	2	0	0	0	0	0
GDF7	117	118	221	42	209	100
PDIA6	4138	2157	4491	3940	2665	3014
RHOB	2109	1685	4539	1491	610	1426
ATP6V1C2	18	0	16	12	10	0
HNRNPLL	1946	1033	2790	1869	1824	2271
GALM	490	284	540	579	399	490
CAMKMT	850	455	1038	910	574	760
ABCG8	0	0	0	6	0	0
EML4	11220	7255	15517	12114	7411	9871
CALM2	11753	6473	12591	11240	9489	9282
CHAC2	33	10	24	26	15	24
RPS27A	12190	7770	12571	11193	6744	10037
WDPCP	1700	922	2020	1929	1164	1301
VPS54	3159	1493	3425	2910	1919	2429
REG3G	0	0	0	0	0	0
ASXL2	6632	3424	10122	6064	3605	5043
ETAA1	1304	557	1431	1126	631	903
SNRPG	779	581	1040	1068	576	518
ABHD1	51	18	45	53	24	37
MEIS1	313	312	625	410	572	260
TRIM43B	0	0	0	0	0	0
TRIM43	0	0	0	0	0	0
CIAO1	4539	2344	5908	4768	3239	3552
ZNF514	2401	1199	2651	1517	1102	790
SNRNP200	17443	10477	22976	20669	12272	13694
MRPS5	2031	1015	2502	1980	1383	1502
ANKRD53	10	6	11	16	11	4
TPRKB	440	217	483	478	252	361
NAT8	0	0	0	0	0	0
EXOC6B	2175	1190	2544	2113	1239	1743
SFXN5	1303	832	1790	1430	930	1172
TEX261	2435	1349	2754	2743	1752	2019

DQX1	6	5	13	8	8	6
DUSP11	1737	1157	2228	2033	1147	1402
ST6GAL2	2	13	26	18	9	20
NPHP1	70	6	44	59	17	33
MALL	11	12	29	0	46	22
THNSL2	197	53	143	18	114	185
RALB	1564	572	4622	2696	1948	1018
C1QL2	0	0	0	0	0	0
TMEM177	211	71	135	182	53	120
NT5DC4	16	13	21	9	18	6
RABL2A	1038	483	801	774	507	870
SLC20A1	8498	4827	11575	9257	5542	5526
FBLN7	194	98	244	146	114	188
ZC3H8	936	347	721	679	468	660
LIPT1	474	168	148	275	177	343
CNGA3	0	0	0	0	0	0
FAHD2B	113	81	211	160	109	151
LYG1	70	39	133	73	61	65
AFF3	2582	1722	2053	2164	1816	2284
UBXN4	8800	4973	11401	9149	5339	6912
NXPH2	0	0	0	0	0	0
SPOPL	7324	5408	9433	6960	5587	5423
THSD7B	0	0	0	0	0	0
GPR17	0	4	6	2	0	0
POLR2D	1264	1035	1623	1596	1050	1550
AMMECR1	1694	1129	2159	1636	949	1335
GALNT13	0	12	0	3	0	12
PKP4	855	469	822	744	503	729
SCN1A	0	0	0	0	0	0
SLC4A10	790	394	186	541	266	944
SCRN3	948	449	921	751	546	792
LNPK	3503	1770	3502	2824	2360	3235
ZNF385B	0	0	0	0	3	0
TMEFF2	2	0	0	0	0	0
CDCA7	199	123	225	205	160	225
DLX1	0	0	0	0	0	2
UBR3	7604	4252	9082	7497	4937	6197
PHOSPHO	125	101	219	127	117	105
GULP1	0	0	0	0	0	0
FAM171B	51	35	40	52	27	27
HSPD1	3808	2152	4394	3457	2118	2905
CCDC150	36	24	47	25	7	22
METTL21A	639	243	619	358	264	384
UNC80	3	2	0	0	8	5
PTH2R	46	42	21	36	26	41
CPO	2	4	9	5	40	5
NBEAL1	3500	1739	4181	3614	2232	2871
KANSL1L	1334	1019	1510	1267	633	1385
SPAG16	319	123	280	209	96	284
ABCA12	0	0	3	0	0	0
SUMF1	2218	1027	2647	2146	1749	1416
NYAP2	7	52	29	0	9	6
RHBDD1	3107	1291	3887	2187	2687	2280
ACKR3	247	82	276	264	48	166
TRPM8	2	2	2	12	2	0
HES6	66	18	104	35	53	31
ESPNL	19	16	18	9	23	17
ANKMY1	2727	1033	2796	2435	1501	2171

COPS7B	1585	878	2012	1327	906	1063
DIS3L2	3063	1571	3699	2940	1792	2307
CPNE9	21	10	12	15	14	13
FANCD2	1667	946	1847	1486	1060	1147
TAMM41	1724	718	1509	1850	807	1092
VGLL4	2127	1280	3138	2325	1894	1807
RAB5A	3017	1452	4171	1752	2225	2449
RETREG2	2841	1831	3852	5038	2358	2185
CTDSP1	3179	2038	9671	4018	5361	5729
CNOT9	1464	1526	3767	3159	2006	2077
4-Mar	2	0	0	0	2	2
STK11IP	1661	993	2194	1976	1379	1181
GMPPA	814	390	918	810	625	687
GRIP2	12	0	2	2	2	4
EAF1	3123	3107	6423	4906	3461	2498
CNTN4	0	0	2	0	0	0
DYNC1LI1	1748	1933	2825	1885	1165	2105
RBMS3	64	15	24	44	52	54
GADL1	0	0	0	0	0	0
OSBPL10	2293	1039	2262	1341	1945	1400
POMGNT2	157	74	248	247	121	154
ACKR2	15	6	11	7	15	17
FAM198A	10	4	6	28	5	8
CSRNP1	1891	6078	8327	4583	3577	1484
SLC25A38	1432	999	1986	1866	990	1100
ITGA9	105	100	214	101	145	110
SLC22A14	2	6	9	6	4	3
GOLGA4	4315	2536	5092	4411	2927	3453
CTDSPL	903	256	370	247	673	1222
STAC	1	10	19	20	15	2
IQSEC1	11766	7645	16989	11397	9216	8035
CAND2	169	26	97	118	46	60
RPL32	16012	8224	14198	13826	7104	10733
PTPRG	141	44	40	31	83	42
IL17RD	2	3	6	0	0	0
SHQ1	1410	595	1491	1308	895	1148
SLC25A26	1110	470	1111	1158	604	648
UBA3	3280	1927	3388	2727	1498	2559
ARL6IP5	9780	4842	11097	8985	7581	6386
TMF1	5385	3779	7526	6321	3940	4190
LRIG1	2410	1261	2978	2844	1780	2315
LRTM1	0	0	0	0	0	0
AC073896	26	0	54	0	29	26
LIMD1	8695	3795	8702	7318	6549	5481
ZNF660	16	12	26	296	17	25
NFKBIZ	7254	11357	20051	9427	6955	5717
COL8A1	0	0	0	0	0	0
NXPE3	5290	2667	6455	5596	3808	4507
ADGRG7	0	0	0	0	0	0
MYH15	0	4	6	8	3	6
PHLDB2	1122	709	1851	1816	658	793
ABHD10	1315	657	1337	1090	732	507
TAGLN3	0	2	3	0	0	4
PLA1A	6	3	12	5	2	2
RABL3	1014	790	1762	1662	965	1221
ADPRH	366	164	1008	869	521	227
IGSF11	74	3	8	16	20	45
ATG3	3742	4173	2561	3419	2553	2835

NR1I2	12	16	10	30	19	21
BOC	4	0	2	0	0	6
SRPRB	1459	760	1493	1484	709	965
TMEM108	2	10	19	13	6	4
AGTR1	0	0	0	0	0	0
MED12L	341	388	627	476	903	387
EIF2A	3112	1726	3067	3156	2019	2225
ALDH1L1	0	0	0	0	0	0
OSBPL11	3796	2306	4977	3103	2165	2743
TRPC1	225	166	360	171	119	347
NCEH1	1035	481	1018	957	721	735
SPATA16	0	0	0	0	0	0
FAM86B2	14	0	11	0	0	4
LPP	15138	4370	10343	10020	12216	11252
TMEM44	90	21	112	142	63	49
RUBCN	5509	3318	7204	5922	4116	4133
AMT	173	104	211	226	109	113
TCTA	1233	665	1437	1209	1007	402
NICN1	76	16	136	96	118	57
UCN2	3	12	3	0	5	5
DCAF1	4349	2092	4635	4408	2426	3087
MANF	566	298	662	627	278	454
CCDC39	3	0	0	5	2	0
STXBP5L	0	0	0	0	0	0
EAF2	1096	522	862	587	530	522
ILDR1	44	42	77	60	52	50
TM4SF19	121	15	459	186	107	127
MUC4	4	0	3	12	6	3
SLIT2	2	0	11	9	0	5
EIF2B5	2135	1104	2499	2242	1334	1742
AHSG	0	0	0	0	0	0
ECE2	0	0	0	0	0	0
VWA5B2	5	0	3	0	0	0
DGKQ	2936	1712	4792	2977	1626	1402
FIP1L1	3526	1974	4186	3549	2108	2593
SLC26A1	79	31	115	50	57	63
LYAR	723	332	710	618	427	583
CENPC	7079	3920	8083	6661	4402	5264
EPHA5	0	0	0	0	0	0
CORIN	8	27	22	11	7	5
ATP10D	2965	1364	3946	3080	1894	1882
OCIAD2	540	296	471	414	249	372
SLC10A4	14	6	9	6	4	12
SLC10A6	0	5	3	2	4	3
SCD5	198	161	389	212	159	241
PLAC8	12251	4675	11701	11946	7559	6367
ENOPH1	1146	600	1282	1025	701	835
CABS1	0	0	0	0	0	0
GC	0	0	0	0	0	0
TRMT10A	262	121	223	180	165	157
KLHL8	1885	1549	2783	1895	1387	2148
SNCA	649	584	596	504	1329	598
PYURF	1968	833	1977	2372	1184	1597
TBCK	3792	1769	3984	3467	1995	2486
CAMK2D	4621	1966	4057	3988	2215	3302
CISD2	842	383	952	906	580	667
DDIT4L	11	5	14	9	0	10
ANK2	14	0	6	30	27	6

TIFA	1384	791	1514	923	619	1129
SPATA5	2491	1168	2867	2618	1275	1798
FABP2	5	0	0	0	0	3
CCNA2	148	73	162	117	74	101
METTL14	1058	542	2104	826	534	658
USP53	2215	1126	2588	1546	932	2045
SETD7	2818	1689	3271	2917	2144	2894
NAF1	1056	646	1248	1091	801	918
1-Mar	4154	1589	4174	2728	2774	3389
SFRP2	0	2	0	3	0	0
RPS3A	38469	36245	40875	40177	32775	46629
RNF175	62	29	56	56	12	118
PDGFC	767	370	635	788	858	481
CBR4	2572	1224	2299	2221	1217	1915
GLRA3	26	10	21	18	11	8
CYP4V2	2209	865	2796	3216	1293	2264
ROPN1L	88	136	146	71	42	49
NDUFS6	180	127	304	188	128	159
6-Mar	20237	11003	21566	18464	14489	15027
NKD2	0	0	2	0	0	0
CDH18	0	0	0	0	0	0
ADAMTS1	0	0	0	0	0	0
SRD5A1	1372	425	727	526	827	529
MYO10	101	71	106	82	75	107
OTULINL	4598	1983	4877	4183	2745	3504
RPL37	4627	2455	4370	4078	2416	3318
SKP2	585	318	656	560	374	438
OSMR	9	5	6	8	5	5
UGT3A1	5	0	0	4	0	0
PLK2	120	156	135	158	80	56
SHISAL2B	0	0	0	0	0	0
GZMA	3003	1253	3245	4037	1369	1933
PIK3R1	10381	5256	11447	12030	7494	7032
HAPLN1	0	0	0	3	0	0
LHFPL2	1078	537	1308	984	1238	804
SSBP2	3941	1753	3196	2505	1810	2431
BHMT	0	0	0	0	0	0
ANKRD31	170	60	132	97	47	92
IQGAP2	11333	7728	16012	11270	8515	8647
CRHBP	26	14	38	19	25	32
RASA1	3761	1938	3852	3120	1938	2739
LIX1	11	0	4	0	9	3
GIN1	567	271	439	459	208	538
PPIP5K2	5911	2778	6279	5964	3651	4089
PAM	1995	1773	2100	1967	1402	1200
BDP1	8344	4426	9379	7625	4666	6334
GTF2H2	1254	493	1036	1517	536	778
SLC30A5	2662	1340	2985	2651	1749	2326
BTF3	6478	3998	7761	5999	4144	4801
FBXL17	2711	1425	3495	3112	1973	2165
SPATA9	25	11	16	17	7	12
TSLP	5	2	9	0	0	3
TNFAIP8	5091	6759	11869	12089	7160	9711
FEM1C	2807	2389	4230	3020	1925	2411
COMMD1(	1322	862	2140	1798	1130	1426
ATG12	3868	2248	5368	3899	2724	2967
MEGF10	4	0	3	2	0	3
ADAMTS1(	0	0	0	0	0	2

YIPF5	1333	723	1495	1255	791	1028
ARHGAP2(	8058	8646	13598	9337	6328	6141
CXCL14	0	0	0	0	0	0
LECT2	0	0	0	0	0	0
SLC25A48	0	0	0	0	0	0
DDX46	5826	3092	6722	4936	3119	4512
IL9	0	0	0	0	2	0
TIMD4	72	55	100	83	41	70
RNF145	2564	1550	3289	2452	2490	1678
C1QTNF2	0	0	0	0	0	0
GABRA6	0	0	0	0	0	0
GABRB2	2	8	12	0	2	2
FBXO38	5295	2834	5576	4776	2745	3905
SPINK7	2	0	0	0	0	0
PCYOX1L	1795	1094	2102	1983	1070	1660
GLRA1	2	0	0	0	0	0
TNIP1	3238	3359	5528	3076	3220	2398
G3BP1	16901	6954	16446	15986	9320	12752
ZNF300	467	258	673	276	78	259
N4BP3	355	296	479	247	531	250
NHP2	538	296	757	522	351	409
RMND5B	1694	845	1815	1428	1103	1220
BOD1	549	333	852	617	286	415
CPLX2	2	6	0	5	8	2
TENM2	0	0	0	2	0	0
KCNMB1	422	78	404	344	296	223
FAM50B	113	43	50	103	28	69
MYLK4	133	60	147	182	51	109
FAM217A	2	2	2	0	0	0
TBC1D7	728	669	1196	906	603	647
FARS2	1155	492	1358	1199	715	704
GFOD1	3183	1937	4149	5233	2549	2392
CDKAL1	3010	1500	3648	3090	1943	2245
PSD2	17	18	22	57	15	13
LRRTM2	13	2	20	15	3	4
ZMAT2	1758	1178	2461	1597	1427	1196
GFRA3	0	0	0	0	0	0
KLHL3	1531	731	1412	1203	794	995
DCDC2	6	3	8	2	5	4
SLC17A4	0	0	0	0	0	0
HIST1H2BA	0	0	0	0	0	0
KAAG1	0	0	0	0	0	0
TRIM7	145	97	161	130	79	174
TRIM41	1650	752	1589	1447	866	1260
HIGD2A	752	424	823	636	471	634
FAM193B	2813	1671	3742	2662	1956	2231
PLA2G7	402	221	541	392	374	158
TNFRSF21	64	139	204	239	330	86
RNF44	6403	4112	8143	5572	3653	4476
MUT	1374	689	1514	1557	1021	901
RASGEF1C	0	0	0	0	0	0
DOK3	2428	2911	4659	2245	2653	2432
ABT1	1988	1032	2107	2076	1312	1356
PPP1R18	1307	1189	4863	1116	613	5405
DAAM2	11	83	25	12	22	0
PRIM2	1272	609	1538	1366	714	971
MLIP	0	5	6	4	5	4
HMGCLL1	0	0	0	0	0	0

LGSN	2	10	12	24	0	14
FGD2	7939	2991	7716	5979	5464	5215
SCUBE3	59	23	133	30	39	62
ANO7	13	32	23	29	31	13
CRIP3	194	91	125	131	64	91
TTBK1	4	0	3	2	0	0
TCTE1	25	3	49	14	19	8
RPL7L1	4439	1185	3726	3216	2970	3564
NFKBIE	809	1376	2900	1238	1119	727
CYP39A1	0	0	0	0	0	0
TPBG	226	29	12	36	11	53
IRAK1BP1	336	121	301	130	107	273
PHIP	17035	10215	20313	16445	9967	12589
PRSS35	18	14	3	34	8	40
MMS22L	2506	1224	2820	2306	1625	1897
FAXC	0	0	0	0	5	0
GABRR1	8	0	0	0	0	0
PNRC1	15254	13323	23931	16720	10765	10796
PM20D2	1303	789	1638	1240	765	1132
RARS2	2004	1063	2183	1906	1070	1465
SCML4	4564	2648	4422	4995	2305	3777
TBC1D32	1296	652	1543	1248	722	875
CLVS2	0	0	0	0	0	0
GPR6	0	0	0	0	0	0
RNF217	832	352	303	531	542	296
RSPO3	0	0	0	0	0	0
ARHGAP18	2824	1938	3528	2788	4313	1858
TAAR2	0	0	0	0	0	0
TAAR6	0	0	0	0	0	0
TAAR8	0	0	0	0	0	0
ABRACL	893	427	924	1073	653	737
TAAR1	3	0	0	0	3	0
SLC18B1	1261	582	1213	1138	628	972
MTFR2	139	62	80	107	42	56
SLC2A12	8	12	22	10	13	18
SHPRH	6784	3373	7133	6022	3897	5456
AIG1	838	522	790	917	793	588
DYNLT1	3813	2357	5159	5082	2902	2956
TIAM2	816	382	817	579	447	539
TMEM181	6460	3444	8433	8047	4670	5198
PNLDC1	18	14	8	7	3	6
WTAP	3597	3359	5928	4376	3004	2957
ZMYM4	5365	2653	5229	4577	3213	4088
VIP	0	8	5	0	0	0
ARMT1	502	598	566	411	269	390
SLC22A3	0	0	0	4	3	3
VWDE	97	36	233	47	29	428
GNA12	2454	1524	2821	2686	2888	1732
C7orf50	1043	403	908	793	682	655
SDK1	77	36	40	50	33	22
CCZ1B	2638	1937	2484	2536	1714	1615
C7orf26	1219	786	1623	1477	842	931
RBAK	807	485	855	761	418	1202
CREB5	4194	5930	6730	3234	2109	3725
FERD3L	0	0	0	0	0	0
EGFR	0	0	0	0	0	0
CDCA5	61	53	42	45	33	19
IGFBP3	144	86	357	217	149	209

PURB	7321	4504	8303	7605	4828	5306
IGFBP1	0	0	0	0	0	0
SSC4D	16	3	14	8	4	8
MDH2	1663	931	2070	1826	1158	1277
POMZP3	177	161	318	258	191	219
NIPSNAP2	1664	1613	2661	1998	1520	1474
CCT6A	3037	1354	3136	2969	1538	2118
PSPH	145	51	154	170	127	131
TRIM50	0	0	0	5	0	0
ZNF92	1435	826	1562	1207	769	1026
ATXN7L1	2112	1107	2657	2008	1261	1649
TMEM168	4166	1858	2979	3142	2137	3222
ASB15	0	0	0	0	0	0
C7orf43	898	654	1359	1025	684	839
SLC12A9	5861	3868	7801	5327	4107	3891
GIGYF1	6514	4736	9329	6953	4011	5093
TRIM4	2981	1540	3514	3160	1615	2426
MEPCE	1916	1362	2476	1826	1150	1431
ZAN	0	0	0	0	0	0
TMEM209	1747	765	1741	1611	1027	1538
AGBL3	258	62	156	124	96	161
STRA8	0	0	0	0	0	0
ZC3HAV1L	136	100	140	102	185	129
TMEM140	1808	1896	2716	1716	1365	1316
TLK2	2364	1481	3922	2313	1709	1600
EPHA1	484	234	529	444	227	555
NOM1	2439	1375	2867	2432	1271	1895
CNPY1	2	2	0	0	0	0
NCAPG2	802	382	964	787	601	528
ASB10	0	0	0	0	0	0
NLGN4X	13	8	0	0	4	0
SHROOM2	4	4	0	0	6	0
RAB19	57	22	50	53	16	29
LUC7L2	6821	4078	8045	6566	4936	4236
DENND2A	4	0	0	0	8	4
CLTRN	9	8	6	11	11	8
SH3KBP1	7774	4502	9243	7988	4699	5805
TMEM47	0	0	0	0	0	0
LANCL3	387	230	562	481	475	462
SYTL5	0	0	4	5	19	7
CASK	3282	1262	3558	3042	1466	2632
KDM6A	4802	4971	6065	4791	3171	5813
SPIN2A	62	35	83	56	37	46
MSN	50126	31919	68644	54738	37725	37254
AKAP4	0	0	0	0	2	0
CCNB3	38	8	44	54	38	27
HDAC8	3355	1667	3637	3235	2095	2480
SLC16A2	7	12	4	2	6	4
CXorf36	0	3	2	0	2	0
ZNF157	87	36	88	109	18	72
ZNF182	1216	726	1306	1078	573	1004
CHST7	393	290	682	475	260	261
KRBOX4	816	415	931	770	485	658
NDUFB11	1118	573	1211	960	670	696
ZNF41	1434	799	1615	1496	879	1196
RAB41	0	0	1	0	0	0
ZMYM3	1856	908	2115	1919	1272	1463
TAF1	5904	3154	6416	5366	3452	4476

GPR174	8777	3906	10507	8357	3541	7618
NONO	5202	3265	6883	5055	3803	3887
CCDC120	315	237	544	325	227	196
LPAR4	3	20	55	2	70	8
EBP	299	229	528	504	448	264
AWAT2	0	0	0	0	0	0
OGT	60896	30234	74895	61079	38777	49245
SNX12	999	661	1798	1289	910	926
ITGB1BP2	134	88	128	140	110	81
IL2RG	3478	3114	5588	4318	2517	2776
GCNA	400	217	305	311	240	339
ZNF711	183	107	203	167	97	160
CPXCR1	0	0	0	0	0	0
DIAPH2	4066	1970	5144	3954	2235	2729
NXF3	0	6	0	2	2	0
RIPPLY1	0	0	0	0	0	0
PRPS1	1666	893	1692	1611	995	998
CXorf57	379	263	591	266	226	362
FRMPD3	342	238	769	587	245	305
HTR2C	0	0	0	4	0	3
DOCK11	23683	14278	28292	23692	14790	17011
IGSF1	0	0	0	0	0	0
ARHGAP3	0	0	0	0	0	0
GPC3	12	12	0	6	2	2
GPR119	0	0	0	0	0	0
RBMX	6872	5620	7924	6775	4661	5503
MCPH1	2839	1069	2951	2420	1264	1938
MFHAS1	2412	1481	3003	3052	1751	2203
FBXO25	2616	1063	2720	2094	1420	1881
FATE1	0	0	0	0	0	0
MAGEA4	0	0	0	0	0	0
NSDHL	234	108	262	229	112	185
ZNF185	2354	2593	4188	3419	6134	2019
CETN2	242	208	297	246	217	185
RPL10	39406	20936	43307	37923	25721	30483
CSGALNA	1995	1944	2415	1619	1640	1746
ATP6V1B2	14484	12227	19795	14108	12189	10940
CCDC25	985	322	711	677	621	601
HMBOX1	2669	2713	5197	4389	2528	3301
CHRNB3	1	0	0	0	0	0
CHRNA6	10	8	7	3	14	3
GNRH1	361	116	292	225	168	218
BIN3	1565	1505	2480	1538	1319	1211
DOK2	3071	1261	3653	2711	1937	1910
SLC25A37	3066	9357	6410	2846	2154	2708
CHMP7	5217	1938	5107	2845	2731	3159
DOCK5	10309	12980	19340	8362	8244	6776
STAR	10	5	8	3	2	0
PLPBP	1813	1019	2486	2023	1178	1545
ERLIN2	1999	1085	2141	1772	497	1688
SNTG1	0	0	0	0	0	0
PXDNL	47	14	24	37	22	23
ST18	91	26	34	79	45	39
RGS20	6	0	2	0	2	4
TACC1	11388	7650	13122	7064	11081	8216
GOLGA7	1132	1513	1548	2610	818	1810
PLPP5	912	887	866	1098	789	753
GINS4	155	81	309	193	159	67

NSD3	15637	5099	17075	13477	9481	7619
DNAJC5B	27	3	15	9	10	14
CRH	0	0	0	0	0	0
TRIM55	0	0	0	0	0	1
ADHFE1	647	258	709	911	506	475
MRPS28	252	219	421	256	167	197
PMP2	0	0	0	0	0	0
LACTB2	318	124	200	193	146	212
PRDM14	0	0	0	0	0	0
TERF1	2026	1627	3203	3158	1524	1542
RPL7	19937	10855	14831	16404	10813	15193
SLC26A7	10	13	30	11	13	23
PSKH2	0	0	0	0	0	0
ATP6V0D2	0	0	0	0	0	0
SYBU	88	21	25	25	39	28
DPYS	5	0	39	3	2	0
MTDH	8949	4135	10000	8425	5831	6131
LRP12	341	301	683	446	469	361
EBAG9	449	440	661	673	442	375
RSPO2	0	0	0	0	0	3
POLR2K	830	457	1074	940	583	570
MAL2	6	0	10	0	0	9
EIF3H	7006	4584	7884	6383	5409	5704
UTP23	1529	744	1712	1474	803	1325
NDUFB9	637	349	678	581	405	391
TATDN1	649	259	534	520	317	448
FAM83A	3	0	6	0	2	8
GSDMC	4	0	0	0	0	0
FAM135B	0	0	0	0	0	2
ZNF7	948	357	1088	461	241	969
ARHGAP39	20	17	72	13	7	16
SLC39A4	117	77	213	153	130	81
NAPRT	715	730	843	816	579	608
VLDLR	96	68	96	81	29	41
AK3	1776	794	1906	1662	1106	1227
UHRF2	8296	4736	9911	9020	5319	6462
NFIB	107	227	207	103	310	24
CER1	0	0	0	0	0	0
PLIN2	1397	1297	1864	1714	998	1249
IFNA5	16	0	4	10	2	7
HAUS6	3317	1621	3498	3131	1888	2818
CDKN2B	63	52	65	97	66	100
IFNA16	0	0	0	0	0	0
CDKN2A	69	46	71	58	77	83
C9orf72	9499	5262	12728	8114	6986	9099
IFNK	8	0	1	0	4	0
ZCCHC7	2722	1711	2930	2309	1033	1979
FBXO10	297	225	501	326	294	278
SIGMAR1	537	259	577	487	293	352
CBWD5	2249	963	3341	1986	1397	1901
CEP78	3061	1800	5710	4826	1933	2491
NTRK2	16	4	7	2	0	7
IDNK	283	81	257	304	87	178
SHC3	16	5	10	7	4	8
AUH	664	445	789	917	485	546
MFSD14B	6150	2421	5983	4804	4545	4637
C9orf3	1319	551	1162	1092	1009	731
PLPPR1	0	0	0	0	0	0

OR13C4	0	0	2	1	3	4
ZNF462	66	28	53	55	55	58
INIP	1993	719	1478	1623	1163	1252
UGCG	2856	2021	4306	3673	3285	2724
ACTL7B	8	12	22	6	4	2
SNX30	6086	3325	6809	6675	5462	5366
STOM	7529	5630	13301	11584	13425	8019
GSN	3493	3988	5356	3785	4212	2496
MRRF	2133	491	1949	1668	1322	755
NR6A1	192	291	388	182	201	181
CRB2	58	12	67	61	39	28
OR5C1	0	0	0	0	4	0
ALAD	1344	677	1621	1327	820	873
ASTN2	235	108	259	306	160	238
WDR31	23	6	57	39	27	25
POLE3	2152	1311	2901	2545	1751	1561
SURF4	4192	2896	5553	4485	3043	3341
GBGT1	922	281	901	736	484	429
SURF1	762	566	1186	905	636	666
SURF2	49	48	93	74	41	51
SURF6	1229	628	1469	1098	632	910
MED22	1813	1157	2537	2072	1370	1456
REXO4	814	331	894	746	424	573
RPL7A	28155	13856	30267	26175	17008	21727
GTF3C5	1123	547	1582	1001	663	933
ASB6	1059	963	1989	1553	835	1057
PTGES2	822	355	868	557	410	516
NTMT1	357	227	518	363	216	193
CIZ1	1325	679	1737	1480	890	1010
SLC25A25	955	715	1660	1209	691	914
SH3GLB2	1359	998	1854	1315	1448	1381
MIGA2	2001	1167	2916	2193	1631	1550
PTGES	17	0	32	0	5	2
LCN2	260	154	468	215	228	549
LRSAM1	1182	738	1490	972	907	950
HMCN2	0	0	0	0	0	5
GPR107	4906	3142	6363	5294	4020	3756
PAXX	650	347	837	792	409	534
IDI2	10	4	8	2	8	0
INPP5E	972	479	1401	989	665	741
LCN9	0	0	0	0	0	0
SEC16A	10609	6984	15110	12481	7392	7822
DPH7	1099	611	1643	1194	833	911
NOTCH1	9349	10361	17814	9978	6622	6023
CACNA1B	0	0	4	8	0	0
NACC2	5864	1272	7602	2088	1113	3783
PROSER2	177	161	270	168	341	114
USP6NL	3424	1920	3197	2593	2502	2108
COMMD3	1115	511	1224	948	780	772
MSRB2	278	204	305	230	213	205
PDSS1	332	226	537	333	278	286
FAM171A1	304	160	288	233	164	239
MINDY3	2401	1232	2682	2420	1468	1805
SLC39A12	0	0	0	0	0	0
TMEM236	25	66	51	54	26	35
RSU1	2628	3092	4374	2885	9049	3333
ST8SIA6	196	66	319	245	189	102
PARD3	255	181	427	280	821	222

ANKRD30A	0	0	0	0	0	0
ZEB1	2361	1758	2559	2338	1308	2051
FAM13C	0	0	0	0	0	0
NRBF2	794	1246	1495	893	518	650
A1CF	0	0	0	0	0	0
CDHR1	168	168	181	287	111	228
LRIT1	0	0	0	0	0	0
RGR	0	0	0	0	0	2
POLR3A	3032	1499	3831	3024	1952	2384
HERC4	10909	5803	11481	9782	6526	8227
LRMDA	320	191	442	237	331	252
CAMK2G	3943	3310	5842	4591	2782	3286
ADIRF	0	0	4	0	1	0
GLUD1	6523	3434	8593	7256	4653	5319
ANKRD1	0	0	0	0	0	0
HTR7	144	28	103	98	71	86
RPP30	858	455	1359	998	648	1022
FRA10AC1	2756	1188	2683	2195	1231	2178
ADD3	12169	6426	13549	10935	6777	8316
HABP2	0	1	2	2	0	3
VAX1	0	0	0	0	0	0
DNAJB12	1336	1150	2381	1713	1391	1027
EIF4EBP2	13096	6951	14688	14690	10011	10397
NPFFR1	0	0	0	3	0	0
PLEKHS1	12	0	15	15	9	2
TCF7L2	973	441	1017	808	1088	593
MKI67	482	250	650	387	388	398
CYP17A1	0	0	7	4	4	0
INA	0	0	0	0	0	0
FUOM	249	129	316	278	166	165
LRRC27	495	159	414	276	203	202
MTG1	1765	1003	1954	1633	1367	1283
NKX6-2	5	0	0	2	0	2
PAOX	429	216	431	328	368	276
GSTO1	2026	1467	3396	2361	2607	1873
TAF5	514	379	604	518	306	538
PPRC1	1708	1272	2427	1743	1132	1386
ITPRIP	4229	6481	9184	7101	4132	2988
CNNM2	1941	991	1864	1782	1263	1578
PDCD11	2582	1178	3098	2619	1808	1936
ADAM12	339	201	152	241	328	228
RGS10	1170	812	1546	984	753	859
BTBD10	1402	845	1765	1358	772	1121
ADM	70	575	437	86	75	46
GAS2	83	48	82	56	79	67
SLC5A12	0	0	0	2	0	0
LIN7C	4635	2683	4964	4660	3488	3648
LRRC4C	5	0	0	0	5	0
IMMP1L	536	259	631	484	318	341
SAA4	0	0	0	0	0	0
PGAP2	340	183	328	507	307	339
TUT1	292	430	386	520	379	672
SCGB1A1	0	0	0	0	0	0
SYT8	0	0	0	0	0	0
ZNF214	0	3	0	0	0	0
ZNF215	29	4	30	3	14	20
HSD17B12	2072	760	2296	2252	1704	1648
APIP	531	313	442	364	266	418

PAMR1	0	0	0	0	0	0
DGKZ	7402	4037	10706	8917	4825	5739
EIF3M	4585	1824	5340	4204	3136	2933
TNKS1BP1	339	305	571	484	295	267
GLYAT	0	0	0	3	0	0
SERPING1	116	78	276	112	74	37
OR5F1	0	0	0	0	0	0
SSRP1	2625	1312	3207	2698	1526	2045
SLC43A1	456	267	713	577	384	448
PTPRJ	23855	17171	32325	22663	25006	16664
C11orf49	534	316	631	486	371	207
ARFGAP2	4275	2978	6747	5963	3865	3359
CELF1	13204	6470	17350	12288	9996	9953
HIKESHI	939	430	960	619	534	738
CCDC81	38	33	60	71	17	35
SESN3	19803	9243	19246	15736	8132	11807
ENDOD1	2929	2541	3897	2831	6169	2561
CCDC82	3741	1839	4132	3485	2408	2584
KLHL35	25	14	26	45	20	45
TENM4	359	4	40	339	297	231
SERPINH1	307	154	312	226	97	210
CAPN5	196	139	278	276	91	145
INTS4	3121	1553	3677	3447	1965	2185
PAK1	4711	1958	5574	4229	2744	3156
RPS3	36420	16997	31932	27467	23231	25857
ZC3H12C	715	362	798	621	723	489
TTC12	1245	516	1184	1025	580	979
NCAM1	897	482	1616	2075	636	753
DRD2	0	0	0	0	0	0
C11orf52	0	0	0	0	0	0
HTR3B	0	0	0	0	0	0
NPAT	8896	4031	8079	7302	4268	6589
ATM	101375	45691	98221	92556	50709	71608
AASDHPPT	1104	631	1329	1097	646	919
GLB1L2	57	89	343	189	104	173
SLX4IP	1646	694	1446	1314	1082	1268
LAMTOR1	1054	715	1388	1173	1280	884
P4HA3	3	0	0	0	0	4
GRIK4	101	5	18	193	110	2
ST14	683	236	1100	975	912	934
HYOU1	3030	2068	4542	4249	2575	2297
GGTLC1	0	0	0	0	0	0
ADAM33	0	0	0	7	7	0
SLC22A8	0	0	0	0	0	0
KAT14	1442	654	1540	1360	993	1011
TKFC	729	496	1049	815	671	622
MTA2	4162	2353	5717	4170	2602	3527
TMEM138	1609	1186	2488	1938	1417	1332
FADS1	1143	539	1598	1166	1138	1075
TMC2	3	9	2	2	0	5
ROM1	37	14	34	54	28	26
EML3	4231	2360	5647	4592	2800	3023
INCENP	675	402	916	731	517	391
ZP1	6	6	0	0	4	2
OOSP2	0	0	0	0	0	0
MS4A3	134	221	395	272	254	225
PLCH2	1325	580	1107	2013	748	449
CPSF7	4658	3247	5945	4769	3458	3572

MS4A2	281	253	713	632	51	314
B3GAT3	1320	685	1674	1442	899	946
EI24	1226	553	1406	1166	783	1001
CCDC15	333	184	312	466	194	189
CHEK1	167	152	348	286	250	159
FEZ1	161	113	197	220	56	90
ESAM	441	450	808	542	1245	348
KIRREL3	27	8	36	19	8	13
MPZL2	396	93	356	252	276	239
SCN2B	0	2	6	0	0	0
SIDT2	4452	1606	4834	2101	2692	2884
TMEM25	314	177	196	305	160	207
TAGLN	1222	263	670	420	472	799
JPH2	0	0	0	0	0	0
DUSP15	4	0	0	2	0	0
COMMD7	1599	1030	2304	1911	1515	1325
C20orf144	10	2	6	0	3	4
KIAA1755	0	0	0	0	0	0
SPATA25	25	19	42	36	21	35
OCSTAMP	0	0	0	3	0	0
DSN1	583	353	699	523	348	353
SOGA1	3110	1458	3535	2733	2712	1952
CNBD2	55	35	70	74	47	40
SPINT4	0	0	0	0	0	0
CDH22	0	0	0	0	0	0
LSM14B	1651	1027	2191	1681	947	1429
YTHDF1	2206	1347	2693	2483	1331	1708
CABLES2	413	242	452	320	242	240
LTO1	1638	729	1096	1105	748	1281
GPHA2	6	0	12	0	0	0
SLC22A9	0	0	0	0	0	0
TRPT1	210	159	253	172	129	142
NUDT22	1058	546	1165	1021	696	660
FERMT3	6467	5004	9435	7042	9288	4976
PLCB3	951	512	1139	1028	759	663
MRPL49	530	351	1962	592	1091	323
CDC42EP2	510	948	354	316	234	248
FAU	3304	2156	3944	3020	1968	2405
TM7SF2	351	178	396	328	219	247
VPS51	2831	1509	3390	2926	1913	2015
TBX6	14	7	29	15	4	27
PPP4C	1990	1521	2881	2299	1440	1391
ALDOA	6682	5210	7387	5747	6042	4731
FAM57B	0	0	9	1	0	0
DOC2A	23	21	34	27	5	15
HIRIP3	156	138	206	190	122	153
TAOK2	2371	1420	2899	2442	1548	1979
TMEM219	1491	747	1536	1381	1047	1111
HMGA2	13	2	15	12	9	11
MMP3	0	0	0	0	0	0
CNKSR2	1428	628	1169	835	657	746
CNTN5	0	0	0	0	0	0
KLRF1	2062	1304	3126	4521	1135	2160
CLEC1A	113	53	139	98	105	120
MKX	0	0	2	2	0	0
MPP7	3378	1986	3115	3649	2189	2906
ITGB1	19066	11984	24863	20665	23983	18233
FXYD4	0	0	0	0	0	0

TRIM48	0	0	0	0	0	0
OR8K1	0	0	0	0	0	0
OR5M9	0	0	0	0	0	0
PCDH15	0	0	0	0	0	0
CTF1	16	0	8	5	6	6
CWC15	912	581	991	841	429	589
FCGR1A	725	404	708	482	253	498
ARID5B	5720	3655	7140	5673	3904	4492
KLHL1	0	0	0	0	0	0
CDH8	0	0	0	0	0	0
DCUN1D2	690	378	807	668	489	611
TMCO3	1770	959	1906	1573	1336	1405
TMEM218	748	265	701	651	492	601
TIRAP	789	576	1232	727	544	627
EEF1AKMT	94	36	53	88	37	59
LATS2	1640	998	2033	1647	1207	977
SAP18	1570	989	1931	1755	1202	1128
ADGRL3	0	3	0	9	3	6
KIAA1328	845	574	951	1161	807	928
FAM124A	2	3	0	5	3	16
MIA2	3903	2103	4783	3734	2102	2813
HNMT	1235	399	996	417	638	523
LYPD1	0	0	0	0	0	0
LYPD6B	23	3	7	12	20	23
PDCD4	9559	5835	10239	8913	6099	8562
ADRA2A	87	34	178	74	230	41
GPM6A	92	32	80	23	3	0
WDR17	219	65	169	168	128	128
SPATA4	0	0	0	0	0	0
VEGFC	28	24	37	22	56	14
CCDC102B	177	77	221	99	142	96
CD226	16290	9212	18746	16141	15181	12799
CNDP1	6	3	12	13	3	2
FSIP1	73	38	107	106	54	57
DLG2	85	44	76	77	55	54
CCDC83	0	0	0	2	0	0
RGS18	10162	8770	19770	7676	24429	7704
PRSS23	1251	620	3420	2349	815	1012
MTMR12	3444	2064	4267	3080	3414	2435
PPP1R1C	3	0	0	0	0	3
C11orf53	0	0	0	0	0	0
CCT5	3973	2290	5358	4013	2935	3131
FAM173B	544	263	599	564	318	469
DOCK1	172	21	79	161	129	61
DIXDC1	123	126	126	98	100	143
DLAT	1437	737	1667	1332	730	1155
PIH1D2	6	0	0	3	6	0
NKAPD1	1391	582	888	750	730	633
TIMM8B	284	124	247	271	164	160
IL18	318	191	327	362	297	197
TEX12	36	12	30	41	28	18
PTS	877	797	1725	1520	859	647
PIP4K2A	14044	8821	19290	18164	13498	11755
C2orf50	17	6	21	11	8	12
FREM2	0	0	0	0	0	0
FOXO1	10228	5757	10762	8534	5730	6642
CRIM1	639	474	1382	1538	584	594
SEC24D	2626	1521	3459	2874	1951	1873

ABCB9	249	126	321	222	110	171
RILPL2	1447	1360	2114	1272	1508	1064
DHX37	1616	815	2050	1756	1245	1070
UBC	2066	8770	12030	11939	3479	6001
ITPR1	16606	9529	20711	16637	10877	10075
TKTL2	38	19	41	47	69	13
PRSS53	377	225	534	369	195	396
SLC7A11	42	52	142	104	177	92
NOCT	181	243	366	187	234	137
ENKUR	438	367	1125	571	1024	405
GPR158	0	2	0	0	0	4
LYZL2	0	0	0	0	0	0
CACNA2D	754	319	786	553	309	471
DCP1B	773	312	821	635	384	614
CACNA1C	15	10	11	11	15	14
KCNA6	101	55	159	138	65	127
THRB	56	28	59	66	193	49
NGLY1	3764	2106	4143	3455	2200	2688
OXSM	153	98	218	250	122	198
UEVLD	1080	590	1263	1240	633	750
TMEM86A	416	240	471	360	296	270
C12orf45	2703	983	1469	3113	804	1854
TMEM263	321	508	1733	754	1114	600
BTBD11	918	813	1429	1981	897	1407
UBE3B	4048	2316	4667	3954	2629	3125
ANK3	2670	1021	3783	2200	2842	4114
IPMK	3215	1837	2886	2619	1651	2316
RAD9B	64	30	70	68	46	39
PLBD2	1358	740	1702	1621	1119	1074
DLG5	1263	707	1930	2206	690	608
MAT1A	0	0	0	0	0	0
SLC2A13	920	485	1089	1032	538	727
GXYLT1	2978	1709	3562	2858	1793	2482
TWF1	1815	1381	2798	2639	1516	1436
DIP2C	441	307	477	608	400	720
EIF4E	3961	1856	3877	3198	2282	2634
MAGI1	0	0	0	7	2	4
TEX30	170	139	261	211	75	176
CSNK1G3	3061	1747	4125	3124	2008	2330
SRFBP1	966	470	1020	913	559	834
AKAP6	239	179	325	240	199	193
NPAS3	0	0	0	0	0	0
FAM177A1	580	577	734	1007	980	526
MBIP	588	387	981	639	397	539
MIPOL1	5	0	9	13	5	4
EXT2	2172	1321	2710	2887	1632	1809
TMEM18	1009	465	1134	1004	713	721
ALLC	0	0	0	0	0	0
KCTD14	18	14	22	16	5	10
THRSP	3	0	0	0	0	0
NDUFC2	961	348	983	871	572	652
ME3	97	41	303	305	78	222
MSGN1	0	0	0	0	0	0
ADAMTS1	0	0	0	0	0	0
NUBPL	792	385	817	744	498	573
NEK7	7299	4257	7687	7330	4888	5769
ATP6V1G3	3	0	0	0	0	0
FER	948	490	1289	893	711	745

VIPAS39	1067	472	1122	977	544	916
ANKRD50	2062	938	1852	1626	1371	1542
UPF2	4431	2719	5401	3845	2632	3088
CDC123	1708	1175	2381	1922	1049	1261
SCLT1	4110	2736	4895	3309	2675	2963
CCDC3	20	30	47	24	24	5
C4orf33	846	453	872	677	462	610
FRMD4A	84	46	70	60	36	69
SLC25A31	0	0	0	0	0	0
PTPRO	616	183	510	447	205	351
EPS8	510	133	273	346	153	191
ACAD8	1515	1041	1891	1474	1059	1370
THYN1	681	254	701	538	328	538
VPS26B	3546	2138	5370	4069	2696	3189
NCAPD3	2561	1172	2918	2823	1786	1965
VTI1A	3783	2198	5052	3760	2677	2866
QDPR	363	270	503	443	293	394
FAM160B1	4308	2620	5941	4367	2928	3475
ANO4	2	0	0	0	0	0
TEX9	78	60	224	67	141	130
QTRT2	1388	944	1758	1357	1074	1337
DRD3	11	0	5	8	8	4
MMAA	271	198	347	321	211	229
ZNF827	1451	821	1853	1549	724	1220
POU4F2	0	0	0	0	0	0
EDNRA	0	0	0	0	0	0
NR3C2	2256	1026	2146	2177	1067	2003
AKR1C2	8	0	2	4	5	0
DPYSL4	14	4	43	9	17	21
VENTX	752	282	1042	492	656	387
ADAM8	4749	6898	13131	6671	3740	3771
ITIH2	0	0	0	0	0	0
KIN	1450	705	1438	1320	994	1337
PIGF	1225	564	1275	922	671	943
ANKAR	1120	505	1097	981	611	731
INPP1	357	178	464	412	293	270
MFSD6	3506	1430	3980	3720	2242	2600
RNF144A	3696	1704	3511	3585	1956	2796
ASAP2	955	819	1516	865	2445	740
ADAM17	5095	3268	6258	4820	3574	3946
FLI1	12956	7644	15983	11799	8467	10575
KCNJ1	4	4	9	8	12	6
TMEM45B	149	108	125	83	98	90
WWC2	662	207	840	631	407	444
CENPU	91	98	266	226	150	95
ACSL1	3533	12333	12465	5942	3969	4540
SLC25A4	181	116	337	243	121	117
AMN1	781	418	630	569	372	538
BICD1	1197	735	967	1362	724	1175
SAV1	1272	900	1609	1060	1203	947
CCDC122	380	68	106	82	52	216
SERP2	5	10	19	16	5	6
NBAS	7558	3650	8640	7934	5162	5748
ZNF385D	113	148	227	45	430	65
TDO2	0	0	0	4	0	0
GUF1	2654	1046	2498	2233	1298	1662
SLC35F4	0	0	0	0	0	0
GABRA2	0	0	0	0	0	0

SACS	6949	2983	6978	6719	3959	5713
CCDC175	29	38	49	18	37	24
PABPC3	33	42	41	51	28	49
CENPJ	673	375	821	647	341	395
FBXO4	420	239	448	412	293	359
TMEM267	683	308	497	680	385	516
CCL28	522	309	771	642	289	386
PARP8	21764	13203	27018	24350	9066	14516
GFRA1	0	0	0	0	0	0
CACUL1	8074	5141	9228	7680	6028	5645
DST	1932	768	2206	2969	2241	2089
BEND6	0	5	9	14	13	10
TIAL1	6448	3087	6651	6124	3963	5015
BAG3	225	111	419	298	127	108
GLT1D1	1943	2764	3401	1444	1186	1157
TMEM132I	0	0	0	0	0	0
RBM46	0	0	0	0	0	0
SCHIP1	9	6	3	8	11	8
MCHR2	0	0	0	0	0	0
KCNE4	0	3	0	0	0	0
AP1S3	256	129	241	225	276	202
RABGAP1L	8619	8881	17837	13237	12569	10119
CCDC74B	2	0	7	2	5	0
TMEM56	106	79	149	94	96	109
MZT2B	335	265	444	297	244	390
TUBA3E	0	0	0	0	0	0
ASTN1	0	0	0	0	0	0
CFC1B	0	0	0	0	0	0
FAM168B	6526	3679	8089	7056	4878	5061
PTPN14	15	6	32	10	14	4
MGAT5	7457	5133	8456	7612	5535	5848
TMEM163	122	52	51	53	92	76
GPATCH11	1370	639	1457	1474	913	1019
HSPB8	0	0	0	3	0	0
GEMIN6	296	177	97	270	159	212
TMEM178A	18	6	0	8	5	3
POU4F1	12	14	7	3	34	12
RNF219	1361	638	1261	1154	640	1202
CYSLTR2	866	262	815	657	699	716
GRID2	0	0	0	0	0	0
ARL11	1385	898	1271	638	814	801
RIT2	0	0	0	0	0	0
SETBP1	2807	1408	2970	2329	1936	1510
ARL14EP	1879	1028	1816	1914	719	1546
EPG5	10251	6342	14442	11928	6872	7879
PSTPIP2	2930	1799	3556	2510	2329	2099
ATP5F1A	12985	6501	15235	13837	10007	9401
HAUS1	427	214	463	392	226	308
C18orf25	6851	4332	8926	7013	4306	5364
SPC25	20	2	31	6	23	10
G6PC2	0	0	0	0	0	0
PDK1	9477	5842	8983	9045	5732	7732
PTH	0	0	0	0	0	0
PDE3B	14703	6687	14743	10399	7104	9058
TCF7L1	16	4	10	7	9	4
TGOLN2	22682	15065	28913	26304	16923	18863
SH2D6	4	0	7	0	8	4
KCNK13	77	39	88	49	48	55

UHMK1	8370	4079	10990	10157	5797	6039
ATG10	456	235	552	467	294	298
POC5	1090	530	1258	883	499	716
SPOCK1	60	34	151	101	85	77
FAM151B	223	107	312	139	133	222
TADA1	742	514	1254	865	449	728
GUCY1A2	23	0	5	2	4	0
CWF19L2	2573	1525	2749	2795	1396	1929
JMY	3912	2404	4239	3802	2473	3038
HOMER1	279	132	232	192	147	191
XRCC4	644	312	496	503	338	539
BOLL	0	0	0	0	0	0
ZNF547	98	2	1	29	90	70
ZNF773	142	221	100	255	252	119
ZNF776	1937	1221	1460	1646	1290	1411
ZNF256	354	239	408	500	225	292
SUV39H2	98	89	244	222	113	145
DCLRE1C	1859	948	2327	1879	1536	1641
OLAH	0	0	0	0	0	0
RPP38	220	175	281	184	107	168
NMT2	1762	807	1979	1751	857	1612
ZSCAN1	0	0	0	0	0	0
ZNF837	101	65	64	72	42	79
USP12	4096	2323	4887	3793	3773	3397
CCDC50	4761	2412	5315	4168	5888	4074
CAMK4	13211	6425	10768	8873	5489	9854
TRIM36	98	43	109	73	93	105
ZFP36L2	33063	17423	30158	34388	19445	19675
PAN3	11902	7513	14404	11404	7897	8883
PLEKHH2	130	99	89	147	78	146
PFKM	745	261	768	522	615	470
TMEM123	17198	9527	18357	15046	9966	13296
GRIA4	0	0	0	0	0	0
IGSF10	0	32	18	0	51	9
SPEF2	931	495	924	800	438	858
SPARCL1	0	0	0	2	2	0
DSPP	0	0	0	0	0	0
DMP1	0	0	0	0	0	0
MEPE	0	0	0	0	0	0
MBNL1	39273	25171	44637	46479	29296	26996
CAPSL	3	0	2	0	0	0
NADK2	1107	462	943	791	710	946
GPD1L	1390	455	1296	1100	788	826
GJA1	0	0	4	0	0	0
CCNO	0	0	0	0	0	0
DDX4	0	0	0	2	2	0
CLEC4F	617	129	20	261	160	381
SLC30A6	2355	810	2920	2745	885	1049
PELO	286	239	604	297	162	337
RASGRP3	1506	875	1571	1077	690	878
SAR1B	4647	2558	5333	4518	3086	3466
CATSPER3	15	17	26	24	15	27
GPR180	1455	615	1178	1509	643	1224
TCTEX1D1	16	15	46	31	80	14
WDR78	59	35	102	57	28	54
ANKRD22	62	70	136	70	52	71
FARP1	189	59	155	110	92	86
IFIT5	1883	1540	3870	1874	1392	1625

SLC16A12	0	0	0	0	0	0
PANK1	141	111	279	211	118	144
PRDM8	338	274	588	292	181	351
BMP3	6	18	66	29	13	21
HNRNPDL	12778	6407	12827	11758	7588	9972
HHEX	948	793	1551	826	761	430
UTRN	59119	30207	69522	63913	37180	40484
GRM1	0	0	0	2	0	0
PTPRK	687	340	492	505	256	312
GGPS1	1442	459	985	864	723	634
CNTNAP4	0	0	0	0	0	0
ZNF117	3278	2004	2903	2204	1240	1943
RAB3C	34	35	123	22	141	23
LMNTD1	0	0	0	0	0	0
MARVELD2	34	18	23	49	9	31
RAD17	2098	884	1947	1914	1097	1327
MED21	1435	774	1760	1254	1089	1254
PLOD2	174	140	192	184	333	134
STK32B	27	22	57	49	38	21
NRSN1	0	0	0	0	0	0
JAKMIP1	155	22	238	137	104	190
ZIC1	0	0	0	0	0	0
ADGRA3	327	241	169	303	181	141
CPB1	0	0	0	0	0	0
SREK1IP1	2377	1068	2603	2358	1390	2003
LGI2	0	0	6	0	0	3
CWC27	922	442	975	803	468	625
MR1	1053	1230	1391	1124	742	1650
SRP19	1125	507	1419	1096	580	744
CENPH	112	72	142	128	80	109
CDYL	1489	790	1642	1358	980	984
CARHSP1	934	612	1296	1043	766	970
TEKT5	0	5	4	0	0	0
BANK1	7253	3651	7106	3786	5532	3737
TXNDC11	2288	1580	3652	2491	1892	1495
DAB2	1747	1442	3513	2326	3161	1304
ACMSD	0	4	0	2	2	0
ACOXL	6	5	8	9	0	5
BCL2L11	1057	1422	4759	676	943	539
ANAPC1	6346	2892	6356	5871	3763	4417
CAST	11881	7302	21072	13985	9843	10483
SCOC	999	512	887	952	561	665
CLGN	0	2	0	0	3	3
CETN3	269	97	169	174	91	168
SMARCA5	6963	4407	8130	7143	4028	5544
SYCP2L	216	21	11	224	17	147
BMP6	362	444	859	610	855	471
RGPD3	202	147	21	22	6	160
RASSF3	11917	8587	14863	10253	6839	8231
HNRNPU	35696	12353	32367	27941	18157	18166
RANBP2	18010	9929	20118	18664	10948	13246
AHCTF1	7155	5944	10872	7638	4636	5594
MERTK	448	218	715	364	261	419
TMEM87B	4465	2177	4831	4188	3111	3493
OR14K1	0	0	0	0	0	0
PTPRR	14	0	0	12	0	10
NR4A2	744	1754	1115	1187	960	435
CCDC148	9	6	6	6	8	2

PLA2R1	0	5	0	0	2	0
RBMS1	9967	6478	12537	10642	6049	7589
SCN3A	513	350	575	278	118	147
FEZF2	0	0	0	0	0	0
CD96	4669	2292	5055	4596	2529	3937
SLC25A27	13	22	40	18	12	24
ADGRF1	0	0	0	0	0	0
ADGRF4	0	0	0	0	0	0
FRMD1	0	0	0	0	0	0
FAM49B	8542	6352	12823	9723	6407	5743
ASAP1	5631	5101	6861	5171	3454	4458
TRAPPC8	8113	4436	9925	7133	5105	5998
FAM81B	8	8	28	4	21	4
INO80C	313	201	437	397	253	196
LPCAT1	8760	5439	13111	7667	6382	5954
PLEKHG4B	0	9	3	16	2	0
NMRAL1	658	515	1101	716	606	635
UBALD1	463	446	909	686	330	355
C16orf89	0	0	2	2	0	0
TMEM251	130	182	475	386	238	332
ING1	806	554	1195	818	546	938
TEX29	14	6	10	22	9	13
SPACA7	0	0	0	0	0	0
ADPRHL1	46	24	39	22	20	16
CMTM7	1500	1063	1566	1168	1037	967
FBXL2	0	10	6	8	15	6
UBP1	5603	3013	6749	4874	3791	4424
RMND5A	7435	5230	10647	8712	5172	6084
CD8A	3825	2158	5157	6674	2046	3135
RPIA	1472	593	1723	1571	825	1022
GOLGA8F	0	0	0	0	0	0
PTPRD	10	6	15	5	11	0
LURAP1L	8	4	2	9	19	12
CNKSR3	30	16	7	19	39	22
GTF2E1	1117	499	1029	833	424	813
CFDP1	720	442	1003	769	531	603
TGIF2LX	0	0	0	0	0	0
ZDHHC7	4768	2698	5961	4680	3688	3799
FAM92B	0	4	0	0	0	0
C7orf31	258	145	311	273	132	257
TMPRSS11	0	0	5	0	0	0
JAZF1	2609	1313	3093	2901	1519	1588
CMIP	6407	5092	9588	7308	7846	5041
SPHKAP	0	0	0	0	0	0
KCNJ16	0	0	0	6	2	0
PID1	1563	424	986	826	990	735
TRIP12	23927	12270	27702	23861	15918	17202
FBXO36	90	59	165	109	65	69
CEBPG	2042	1364	2784	2141	1274	1757
KCTD15	553	239	717	627	459	424
ZNF599	443	136	277	266	168	307
MCOLN2	1352	483	1877	1601	970	963
LGI4	6	12	13	13	16	3
DDAH1	13	14	10	25	6	11
SREK1	13006	9334	17777	13491	11131	8567
CHD1	11615	8977	15750	11532	8197	9015
ANKFN1	0	0	0	0	0	0
DGKE	3500	1846	3461	3314	814	2623

HS2ST1	2691	1379	2926	2445	1749	2040
MSI2	7927	3645	7694	8317	4321	4372
CACNA2D	0	0	0	0	0	0
ZUP1	828	405	796	604	539	611
HS3ST3A1	55	51	57	72	16	50
GDPD1	197	120	170	178	113	133
NUS1	4041	2051	4786	4401	2622	3197
SEMA3D	42	8	32	6	20	8
PPP2R5E	5175	2858	6409	5598	3225	4076
ASB17	0	0	0	0	0	0
GRAP	1322	835	1506	1146	953	1015
SLC5A10	26	12	79	68	54	40
AK5	984	278	884	586	449	575
CABYR	55	14	23	18	33	26
IMPACT	519	269	746	769	274	537
ANKRD29	19	4	7	8	5	14
SDHAF4	190	76	212	203	91	200
CHST9	0	0	0	0	0	0
THY1	2	0	0	2	4	2
DNAAF1	26	25	147	27	99	0
C16orf74	79	177	426	270	135	234
TBCEL	1261	623	2536	1447	996	1014
JPH3	19	0	24	10	2	7
ANKH	4497	2743	4953	4373	2493	3420
OTULIN	7951	4642	9363	7641	5636	6029
UBASH3B	4601	2435	4665	3699	3127	2860
ROBO4	6	8	0	2	0	2
ROBO3	180	110	201	205	91	121
PANX3	0	0	0	0	0	0
TBRG1	4218	2337	4608	4601	1142	2994
NRGN	5651	7249	10550	6431	19378	6203
RETREG1	1376	767	1288	1063	642	1016
CDH12	0	0	0	0	0	0
GPR15	239	108	460	151	487	341
TOMM70	3078	1591	3425	2843	1530	2385
ABI3BP	3	0	7	0	0	0
ANGPT1	322	401	477	303	834	209
PITPNC1	6016	2932	6746	5462	1857	4071
CC2D1B	3025	2094	3626	2996	2405	2242
CERS3	72	14	73	72	30	82
PRKCA	6321	3419	7021	5841	4217	4821
LRRK1	2723	1455	3208	2380	1922	1971
CEP112	78	42	131	51	65	59
GAL3ST2	3	0	9	3	8	0
ABCA9	54	25	54	42	52	27
ABCA6	87	52	162	75	109	61
ABCA10	305	156	227	262	149	218
ABCA5	4345	2421	5525	4350	2429	3597
ENPP3	165	135	291	445	54	117
C4orf19	2	8	6	0	15	2
UCHL1	0	0	0	0	0	0
MIA3	3137	2214	3722	3206	2426	2572
DISP1	357	223	458	347	191	276
TNIK	5622	3016	7044	6215	3266	4017
FAM167A	267	116	254	128	148	92
NEIL2	435	266	555	348	257	372
PGM5	73	50	111	60	73	43
WNT3A	4	0	0	0	0	0

OBSCN	5910	3250	5686	4778	3204	5518
LONRF1	1038	1158	2208	1155	1028	809
TRIM11	2217	1868	4223	3331	2039	1998
ENAH	96	53	63	72	19	41
PPP1R3A	0	0	0	0	0	0
CCSAP	2455	1728	3135	494	1581	757
ASZ1	0	0	0	0	0	0
SH3RF1	531	142	407	396	200	335
GBP5	15063	7724	19254	14690	6261	10171
BUB3	7400	3795	9151	7521	4610	6060
GPR26	0	0	0	0	0	0
CCDC173	2	4	5	10	3	0
MMP21	34	13	11	43	12	22
C10orf90	0	0	0	0	0	2
FAM69A	1197	360	1138	919	410	559
ATP5MC3	1708	776	1684	1534	952	1111
CNTNAP3I	6	24	0	0	0	0
MAGED4	95	54	36	16	0	27
SRSF12	6	0	11	8	16	0
PDLIM3	0	0	0	0	0	0
SORBS2	45	15	105	18	80	24
ELOC	676	297	703	413	324	344
LY96	146	195	192	87	85	110
PSMA8	19	2	25	6	7	15
TMSB4Y	142	0	261	181	213	0
CXADR	32	22	19	39	18	13
BTG3	295	522	1271	685	463	381
C21orf91	4394	2156	4428	4197	2008	3833
CHODL	19	19	14	37	4	24
TMPRSS15	0	2	4	0	0	0
NCAM2	4	0	8	0	4	0
L3MBTL4	603	363	570	674	290	363
PDE1C	4	0	0	0	3	0
RABGEF1	1697	2115	2487	2526	1663	1229
MRPL39	449	245	577	371	271	366
JAM2	22	19	35	29	12	9
ATP5PF	292	195	449	376	253	293
GABPA	4178	1913	4107	3618	2179	2803
ADAMTS1	506	308	229	577	254	316
ADAMTS5	226	88	245	289	351	469
TSEN2	553	338	732	576	287	574
SLFN13	4400	1804	5714	4892	1461	3139
WNT7A	313	218	284	172	127	222
XPC	2940	2058	3586	3042	2051	2395
CCDC174	624	537	881	655	349	590
FGD5	0	4	2	0	0	0
FLCN	2897	1397	4282	3311	2247	2617
DPH3	1335	909	2026	1667	1110	908
OXNAD1	3225	1669	2327	3173	1400	1684
PLCL2	4894	2925	4906	5618	6167	3740
CXXC1	1376	872	1621	1472	888	1196
SKA1	45	11	50	17	24	28
PPP4R1	2993	3137	4925	2805	1873	2212
APCDD1	44	26	104	92	33	34
PIEZO2	3	0	3	0	0	0
MPPE1	2044	2041	3305	3060	1537	2038
USP43	44	29	58	67	19	61
RAB6B	390	503	480	410	1663	164

EME1	18	15	40	36	25	15
EPHB1	172	815	499	138	160	63
ACSS1	4785	2824	6813	5783	3661	3978
ANKRD40	2644	1494	3175	2637	1738	2225
ZNF18	481	573	827	615	456	599
CA10	3	0	2	0	0	0
VOPP1	5890	3380	7987	6636	4561	4331
14-Sep	0	0	0	0	0	0
APOOL	357	203	391	367	241	262
DKK2	5	6	23	0	3	10
CYP2U1	813	404	769	757	534	562
RSPH10B	19	5	10	4	6	2
FBXL18	345	256	493	468	256	335
CNTNAP5	0	0	0	0	0	0
PROM2	25	10	22	35	26	13
AK9	1224	589	944	658	506	610
ODF1	0	0	0	0	0	0
KLF10	3931	3036	5739	3348	3356	2728
PTPRN2	218	159	350	281	114	78
AZIN1	8903	7880	17006	10093	9188	7287
ATP6V1C1	3995	1792	4171	3302	2367	2863
PIP4P2	888	874	1165	768	1225	765
OTUD6B	635	490	868	594	439	503
CDK19	3533	2678	4513	3404	2849	2488
GTF3C6	624	269	732	686	456	465
TTC39B	5127	2947	6936	6127	3711	4018
AGPAT5	1822	836	830	1406	1009	1183
MMS19	3121	1646	4017	3314	2154	2573
OR4K1	0	0	0	0	0	0
PI4K2A	1671	1612	3570	2507	2097	1194
MARVELD1	574	254	635	604	495	441
ZFYVE27	1318	995	2147	1459	1152	1159
GOLGA7B	233	334	242	234	130	150
GPR78	0	0	0	0	0	0
TRMT44	911	535	1201	1193	644	693
SLC25A28	984	791	1466	1117	807	823
HSPA13	2418	1154	2268	2261	1376	1491
SAMSN1	2428	1934	3776	2936	2199	1417
USP25	9384	4982	10320	8818	5829	6644
GRAMD2B	486	241	437	310	218	270
ZCCHC10	667	358	719	655	394	562
C16orf87	882	586	1084	834	320	718
MOV10	2381	1105	2577	2297	1300	1633
RHOC	795	396	942	1060	606	602
PPM1J	44	52	39	72	69	43
DBI	370	261	585	468	277	305
SLC16A1	897	450	950	749	525	649
HEATR3	1789	943	1983	1251	1343	1601
TRIM74	97	121	116	105	79	86
NIFK	938	552	1047	851	598	618
OXA1L	3208	1727	3764	3120	2374	2363
SLC7A7	3528	1668	5267	3881	3530	3131
MAGEC1	0	0	0	0	0	0
LARP1	11861	5172	12133	10013	6961	8023
CNOT8	4966	1407	3242	2354	3558	3987
GRIA1	0	0	0	0	0	2
LRGUK	83	38	13	156	116	50
SETD9	41	82	255	158	135	145

MIER3	1770	970	2378	2010	1122	1459
NUP205	6449	3246	7848	6699	3918	4752
ZKSCAN2	624	365	730	591	476	619
C9orf85	605	290	543	576	378	470
XAGE2	0	0	0	0	0	0
PIK3AP1	13779	7358	16363	14297	9102	9305
RBM45	1139	283	863	656	386	591
TTN	39824	22166	33861	36872	14600	24354
VSIG4	104	40	149	128	86	92
PDIA4	3737	1842	4167	3662	2386	2594
KDM8	580	222	412	466	185	366
PDZD9	0	0	4	0	0	2
OTOA	36	18	17	25	28	7
KCTD18	1257	670	1460	1268	816	1024
FAM126B	8843	7174	11476	8984	5521	6279
ALS2CR12	180	99	118	139	88	112
C2CD6	10	10	2	9	2	8
TMEM237	265	160	220	215	106	186
FZD7	32	22	24	21	16	10
SPAG17	6	0	13	20	3	6
DEPTOR	79	31	84	56	62	52
FMN2	0	0	0	0	0	0
RNF20	3032	1458	3341	2738	1583	2348
CYLC2	0	0	0	0	0	0
PPARGC1B	3026	864	2339	2094	1588	1895
ELMO1	6455	4200	8544	7004	4718	5526
SLC26A2	3072	1348	3257	3141	1675	2474
LSM11	585	394	729	885	371	705
MED7	1123	468	1225	948	816	862
SAXO1	29	12	10	9	13	17
RRAGA	1373	710	1611	1319	752	1085
SLC24A2	3	9	2	2	3	17
TRIM42	0	0	0	0	0	0
PXYLP1	1444	781	1420	1380	670	842
ADCY8	0	0	0	0	0	0
RASA2	11418	6278	12254	11505	6188	7731
RMND1	625	323	911	725	442	718
RAET1L	0	0	0	0	0	0
SLA	8179	7488	13027	8198	8517	5587
TMBIM4	3571	1824	3308	3102	2120	2663
VBP1	1498	822	1709	1579	897	1047
RAB39B	594	306	723	539	265	418
CLIC2	330	117	262	393	241	213
AFF2	264	434	545	258	148	182
MICU3	436	116	267	540	87	274
GRIP1	170	71	72	101	71	81
VPS37A	2166	1050	2222	2148	834	1085
KIF5A	57	16	82	45	21	40
NAT2	0	0	0	0	0	0
MAGEA8	0	0	2	6	0	3
PSD3	548	353	679	346	1007	293
CARNMT1	2484	918	2784	2087	1266	1818
MCU	1049	725	1570	1034	1009	798
ELMSAN1	8508	7968	13895	9332	6730	7185
CFAP70	406	207	399	424	227	247
GNA14	4	7	9	21	5	3
FAM161B	467	140	549	358	160	377

GNAQ	10093	7964	12867	8935	10167	8188
WIF1	0	0	0	0	0	0
UGT2B4	0	0	0	0	0	0
GPR61	14	12	20	18	8	2
MMP16	2	0	0	0	0	2
ADK	2002	1286	2414	2701	1633	1905
KCNMA1	48	64	20	117	49	105
BATF	187	90	236	241	88	170
DCK	5055	2266	5218	4766	2879	3599
ADAMTS3	2	2	0	6	0	2
ALX3	4	0	6	0	0	0
DPY19L4	1449	751	1497	1517	880	1400
NDUFAF6	453	288	555	440	316	347
DRAM2	2712	1194	2085	1476	1578	1670
C8orf37	217	95	202	122	136	169
PPEF2	27	15	39	24	15	17
CFAP161	112	198	145	91	502	124
ADAMTSL3	0	0	1	2	0	0
ART3	0	0	0	0	0	0
SLC28A1	0	3	0	0	0	0
WHAMM	2107	2016	4052	2357	1453	1529
CXCL13	0	0	3	3	0	1
N6AMT1	1030	434	890	877	469	877
RWDD2B	265	126	217	310	228	158
USP16	4348	2989	6522	5239	3204	3506
CCT8	4252	2316	4259	4239	2488	3202
MAP3K7CL	1768	1307	7172	2403	4630	2315
NAA11	0	0	0	0	0	0
BACH1	13336	11121	17350	10906	9424	10610
CLDN17	0	0	0	0	0	0
CLDN8	0	0	0	0	0	0
TSPAN7	9	1	6	6	3	7
TIAM1	7351	2356	7538	6845	4055	5271
SCAF4	3104	2495	5129	3383	2322	2585
RPGR	1278	1219	1667	1313	1060	872
CDK20	127	100	244	211	93	162
PCGF6	333	217	429	405	251	311
ANKRD9	158	168	251	282	252	132
SFR1	487	269	575	445	366	304
SORCS3	127	57	80	93	48	40
SFXN2	1426	420	963	964	572	880
ATP5MPL	858	494	1207	791	611	500
FUT6	0	0	2	0	4	5
TDRD9	759	311	682	373	391	539
FGF18	2	5	8	1	2	6
PCDH1	323	100	911	193	141	128
SH3RF2	37	0	45	44	14	25
GDF6	0	0	0	0	0	0
UQCRB	1219	753	1324	1386	951	1052
MTERF3	503	160	511	287	235	411
PTDSS1	3807	2432	4872	4528	3041	3034
PPP2R2B	1336	719	2154	2499	1018	1062
RPL30	7075	4465	8650	7395	3705	4784
KCNS2	0	0	0	0	0	0
FAM122C	606	375	847	573	315	435
SUPV3L1	1359	902	1935	1754	1079	1155
FAM122B	2759	1701	3109	3086	2570	2071
EEF1A1	288753	136472	275116	312322	235373	256439

FBXO43	20	8	12	7	11	16
HKDC1	216	109	108	127	44	181
HK1	6664	4710	7718	7222	5774	6233
TYSND1	1899	615	2122	1138	1066	1377
PHF6	2907	1303	3004	2447	1732	2161
CD109	940	946	589	512	424	491
LRFN2	74	45	238	66	41	30
NODAL	0	0	0	0	0	2
PRG3	0	0	0	0	0	0
UBE2L6	2280	1372	2869	2410	1281	1591
ZDHHC5	5054	2924	6943	5395	3428	3956
MED19	156	133	264	280	97	132
ZFAND3	3900	2806	5959	4111	2227	2710
NPTN	3090	2152	4102	2521	3011	2539
KAT6B	7334	3614	10051	7779	5572	5310
SAMD8	3123	2266	3272	3065	2176	1799
RAB11FIP1	11105	13825	22602	17080	11480	9704
UNC5D	0	0	0	0	0	0
GLYATL2	5	2	12	13	11	6
UTP14A	411	229	440	437	233	351
AIFM1	709	379	799	767	452	536
MAPK13	2514	2325	4334	3441	1562	2092
BAG4	2911	1653	3315	2317	1934	2203
MS4A1	2639	1390	2629	1347	1930	1656
TBC1D31	2432	1364	2830	2954	1392	2173
WDYHV1	303	270	339	447	201	213
ATAD2	1873	1085	2589	1968	1172	1450
FBXO32	2548	1098	2614	2493	1106	1770
NSMCE2	844	407	1006	903	581	846
ZNF689	656	419	686	646	369	472
PRR14	737	705	1173	828	536	685
FBRS	3533	3943	6043	4061	2941	2657
FRRS1	310	174	323	252	201	226
PHKG2	1302	874	1935	1540	961	1105
MFSD14A	3111	2069	2507	1760	1432	2020
SASS6	541	334	667	531	292	368
COX6A2	0	0	0	0	0	2
ITGAD	36	20	389	70	11	289
ADGRG4	0	0	0	0	0	0
ZIC3	0	0	0	0	0	0
MALSU1	506	246	509	518	261	362
VPS8	8177	5842	11369	7352	5724	6184
GALK2	2126	959	2148	2423	1257	1585
LHFPL4	0	0	0	0	0	0
B3GNT7	145	187	245	274	164	126
MPV17L	28	11	16	27	0	22
BUB1B	94	31	93	46	39	60
PDE6D	558	299	760	608	375	472
EIF4A2	10863	6563	12084	11081	5232	8953
BRPF1	1590	1039	2408	1948	1153	1368
RPUSD3	642	340	790	668	375	514
SST	0	0	0	0	0	0
TATDN2	5999	3255	6348	4341	3485	2559
GHRL	71	95	58	65	68	44
SEC13	1469	1270	2435	1731	1527	1149
EXOG	1105	462	2364	2712	736	739
NTAN1	682	435	1034	734	613	582
SHCBP1L	0	0	0	2	0	0

NMNAT2	10	6	24	3	5	2
ZFYVE9	601	234	626	621	249	493
ATP2B2	0	0	24	2	13	2
LYZL4	0	0	0	0	0	0
SLC6A1	0	0	0	0	0	0
SMG1	37958	21923	48635	36301	23957	28007
FCHO2	2273	1429	2025	1669	1291	1081
RBPMS	49	13	20	28	19	32
TMEM171	18	11	0	3	12	12
KLHL40	0	0	0	0	0	0
C8A	0	0	0	0	0	0
TIMP4	0	0	0	2	0	0
SYN2	13	0	2	4	7	0
NRG1	241	229	1396	67	190	1122
ODR4	991	698	1355	1010	744	654
CPT2	856	360	896	722	523	557
NECAP2	4549	2175	5157	4333	2699	3177
LRP8	1247	479	1811	1191	984	438
CDCP2	9	0	0	3	0	0
PAXIP1	1257	620	1303	1181	721	877
STEAP2	0	0	0	0	5	0
SSBP3	2577	1147	3043	2804	1322	1572
HTR5A	0	0	0	0	0	0
CLDN12	114	20	122	49	50	89
MMP14	244	86	259	215	189	110
FZD1	734	353	781	723	527	614
GATAD1	2478	1181	2544	2190	1479	2057
SUSD3	403	406	370	580	261	334
TMED6	94	38	74	123	41	108
CLEC18A	77	105	101	142	159	65
DHRS4	453	312	446	461	359	314
C1orf158	0	0	0	3	0	0
CLEC18C	34	44	53	69	56	48
ARMC12	11	8	18	17	23	24
DDX19B	762	706	941	1227	827	880
ST3GAL2	4416	3208	5287	3759	2840	2753
FUK	1258	676	1836	1514	853	1021
IL34	4	0	18	7	2	2
DHRS1	656	452	910	681	572	523
CACNA1D	55	58	210	71	68	56
ARSE	0	0	0	0	0	0
KIT	181	119	203	121	88	122
HYDIN	2	73	9	13	119	6
AASDH	1548	686	1435	1404	869	1372
ZNF19	245	90	338	261	185	164
CACNA2D	206	132	383	227	241	215
RNF111	5024	2868	4505	4180	2300	3770
CCNB2	68	29	60	51	36	37
FAM81A	54	32	38	45	43	21
MYO1E	2422	765	1676	1691	972	1015
APPL1	6336	2768	6758	5612	3545	4443
MUM1L1	0	0	0	0	0	0
AFAP1L1	10	5	5	0	17	14
TSC22D3	8686	9242	21695	11901	9703	5630
VPS26C	5029	2682	6831	5145	3451	3808
DYRK1A	17419	8953	15879	16723	9998	11001
KCNJ6	0	0	0	0	0	0
KCNJ15	444	589	1197	106	37	17

ERG	37	36	85	39	71	49
ETS2	3009	2133	4184	3047	2056	1625
TSPAN18	981	818	1386	877	1011	1021
LCA5L	0	2	0	2	4	11
SLC35B2	758	533	1161	650	560	558
TMEM164	3391	4313	6049	5448	1689	2377
MX1	3682	2305	7104	3312	3742	2763
CREB3L1	0	0	0	19	0	0
C2CD2	1243	518	1081	975	690	714
TAB3	4562	2837	5534	5121	3727	3539
SLC38A10	6420	2965	7715	5753	3953	4138
C9orf43	25	13	16	25	16	24
PALM2-AK	3	2	4	2	3	1
ZNF618	196	212	224	376	235	101
DGKI	19	34	15	0	149	26
TMEM268	1548	651	1906	1118	815	857
SVOPL	3	0	0	0	0	6
SNX22	899	450	840	462	364	479
UBN2	7159	3902	7683	6633	4698	6015
BRAF	8528	5273	9594	8538	5169	6106
SLC34A2	0	0	0	0	0	0
ACAN	3	6	6	2	3	0
PSMG3	480	220	585	454	323	307
CABP1	2	3	13	3	2	2
WDR19	1286	704	1422	1065	701	998
SLC37A3	1347	885	1974	1381	804	1237
AP3S2	2069	1561	3306	2567	2552	1889
FMNL2	911	273	503	550	504	402
GAREM2	183	99	241	175	92	81
SPPL3	3742	2065	4522	3785	3484	2574
DPYSL5	0	0	0	0	0	0
DRC1	6	7	7	0	5	0
RAB28	976	373	681	816	393	712
PRXL2B	403	200	561	436	197	110
TNFRSF14	5502	3606	7212	5003	3760	3769
PANK4	1848	910	2186	1757	1224	1221
CIB4	0	0	0	0	0	0
MEGF11	11	0	5	4	1	3
C12orf43	548	316	613	573	414	429
PEX10	425	133	305	377	230	249
RER1	2535	1474	4220	4813	2096	3666
RADIL	2	0	5	6	11	0
SKI	5694	3649	8324	5834	3877	3825
WIPI2	3901	2663	5158	3952	2654	2819
LDLRAP1	5350	2819	5208	4956	3121	3683
AGAP1	997	377	1510	1862	684	573
KRTCAP3	97	42	56	77	36	43
ANKRD61	5	8	9	8	0	10
PAFAH2	1741	1034	2598	2265	1273	1308
EXTL1	0	0	4	0	0	0
SLC30A2	0	0	0	0	0	0
BABAM2	1583	821	1877	1588	1120	1210
TRIM63	0	2	0	0	0	0
WDR66	42	66	120	79	52	100
MRPL17	501	194	464	345	219	298
DUSP2	2361	2115	3636	3536	1906	1249
GRHL3	0	0	0	0	0	0
UBXN11	2426	1139	3386	2051	1916	1915

NLRP14	6	0	22	0	2	0
PTPDC1	481	247	451	308	129	215
GALNT14	40	32	63	7	11	25
NCK1	1465	1292	1387	1528	1222	1717
HPD	0	2	1	0	2	0
RHPN1	499	302	711	358	269	390
TPRG1L	1680	1314	2458	2038	1263	1260
LRRC43	61	51	85	34	48	33
PRXL2C	829	477	1322	998	660	690
XDH	0	2	0	0	3	3
XKR8	540	937	960	719	379	444
CNNM4	1104	660	1316	1059	895	611
EYA3	2789	1354	3192	2518	1539	1948
DZIP1L	68	11	74	57	48	21
TMSB15A	6	0	7	8	17	0
FANCC	731	329	868	778	437	505
MRAS	156	49	364	216	51	201
WASF2	16853	10947	22627	18020	13540	13345
ABHD3	2310	1924	3169	2440	1390	1759
ESYT3	3	3	0	5	0	4
FAIM	193	97	178	131	50	73
TENT5B	2	0	7	8	2	10
CLSTN2	8	0	2	8	11	2
COLEC12	47	8	47	22	3	26
RNF207	64	70	116	84	71	66
CUL4B	6194	3626	6433	5383	3681	4739
GPR153	203	186	384	410	144	131
SLC13A3	37	25	33	26	17	25
GPRASP2	73	74	107	18	87	86
RHBDL2	0	0	0	2	0	0
AUTS2	3031	1561	3608	3726	2187	2081
SHROOM4	78	84	156	82	276	83
HIST1H2BI	521	746	1202	873	677	613
CDC25C	9	2	33	4	7	2
HIST1H4H	1287	838	1687	1358	1161	1089
MITD1	683	409	1079	732	400	645
EIF5B	2690	1697	3625	3169	1869	2371
RIBC1	16	39	16	2	11	23
TMSB15B	182	97	268	209	145	153
CATIP	11	0	2	7	17	7
CNOT11	2236	1482	2959	2572	1461	1984
KCNB1	0	4	3	0	0	0
TSPAN33	1687	1174	2475	1514	2755	1119
NRG2	6	0	3	8	0	0
AHCYL2	1228	648	1748	1898	1255	1517
B4GALT5	3246	3053	6106	4028	2326	2456
CD1D	1953	1194	2929	1927	2178	1848
CD1A	91	45	94	91	33	46
SPATA2	554	619	1088	695	409	513
CD1C	1045	354	812	685	865	585
FAM86C1	60	57	172	85	96	100
CD1B	10	8	19	18	22	16
DNAH3	0	0	1	0	3	0
CD1E	68	8	50	67	61	23
HMHB1	0	0	0	0	2	0
CPA2	0	0	0	0	0	0
NCF1	2060	2620	3892	1380	1251	1377
CPA5	0	2	0	7	8	2

TSR2	605	435	860	799	437	522
PPP1R9A	118	62	146	187	106	81
ZC3H18	2585	1893	3420	2769	1758	1760
ZFAND2B	495	309	604	533	294	380
POM121L2	0	0	0	0	0	0
GDPD5	1631	1011	3263	2101	1862	1893
DYNC1I1	15	34	16	28	80	33
PFKFB1	40	19	45	26	28	24
ALAS2	179	117	349	212	165	1384
TMED4	4401	2627	5722	4933	3240	3772
PPP1R15B	9267	11114	17190	11602	8152	7220
COPG2	1407	470	1599	1496	934	1153
EMSY	2328	1086	2628	1904	997	1665
PAGE5	0	0	3	0	0	0
GPAT4	3140	2304	4525	3503	2802	2598
PKD1L1	110	60	133	104	26	73
ZSCAN12	700	314	746	655	327	678
TAGLN2	10295	15536	18053	12218	21400	9576
ELK4	21169	10305	22748	20146	13040	15857
SLAMF8	135	76	293	237	105	193
SLC45A3	403	411	807	657	286	315
DUSP23	130	38	102	90	70	67
RNF166	5501	3952	8020	5968	4475	4552
NBL1	98	19	62	36	14	49
HTR6	20	3	3	13	13	25
ITLN2	0	0	0	2	0	0
F11R	3272	3464	5846	3475	4557	2415
USF1	2149	1417	2714	2254	2057	1614
PLA2G2F	0	0	0	3	3	0
SPATA2L	204	410	721	397	279	223
NIT1	1076	534	1195	907	745	863
DEDD	1192	687	1631	1199	1016	949
ZNF276	6513	3421	8789	6676	1905	5306
NPM2	0	3	2	0	4	4
EDA	101	87	152	180	97	185
FGF17	4	7	12	2	0	14
VWA5B1	0	2	0	0	5	0
CDA	467	349	680	492	630	343
PINK1	1122	1082	1777	1171	845	908
B4GALT3	1460	787	1756	1680	971	950
DMTN	900	1073	1514	1010	2328	1013
ADAMTS4	63	38	109	138	50	94
FAM160B2	1239	819	1871	1412	772	1094
NDUFS2	1759	795	1999	1527	1092	1397
SLC5A11	46	7	53	8	4	6
FCER1G	1339	1271	2315	1482	2289	1730
APOA2	4	0	5	0	0	9
TOMM40L	315	252	484	529	384	316
MPZ	64	56	68	76	83	48
WFDC8	0	0	0	0	0	0
CCAR2	5061	2853	7032	5738	3700	4029
WNT9B	0	0	0	0	0	0
CACHD1	416	237	194	104	277	174
CDC42SE2	14192	10076	20617	16329	11664	10029
RAPGEF6	14260	8038	14961	13053	7364	10341
EPB41	13826	9762	18916	13919	9453	10675
MIS18A	219	111	265	174	95	186
ALG8	1007	441	1048	939	610	707

FBXW5	2849	1346	4016	3336	1923	1926
CFAP298	401	163	258	117	136	173
SYNJ1	4062	2109	4667	2758	2394	2880
PAXBP1	4502	2537	5455	4557	3071	3847
IFNAR2	3791	3018	5702	3958	3093	3691
MRPL10	1181	628	1797	1458	553	787
IFNGR2	3695	3671	5977	3852	3381	3184
GART	2908	1335	2892	2692	1662	2280
SON	39671	19302	41699	31893	20627	21823
DONSON	387	250	469	385	304	370
SV2A	89	70	220	183	95	145
LAD1	4	3	0	7	3	0
STC1	0	0	0	0	0	0
TNNI1	0	0	0	0	0	0
CSRP1	598	796	3089	2399	1176	632
PRAC1	0	0	0	0	0	0
HOXB13	0	0	0	0	0	0
C1QC	59	14	11	23	16	18
KCNE2	0	0	0	3	0	0
ATP5MC1	429	250	454	387	346	301
RCAN1	872	315	918	711	464	471
UBE2Z	4102	2305	2944	2321	2410	1685
CIART	3	9	19	15	9	2
SNF8	880	481	1248	993	808	734
CLIC6	6	12	20	18	6	16
CCDC24	60	33	77	68	48	37
RUNX1	7319	3720	8687	7942	4886	5574
IGF2BP1	0	0	0	0	2	0
GIP	0	0	0	0	0	0
CBR1	344	159	287	250	160	148
CBR3	36	42	60	15	17	40
AC005041	11	14	7	35	24	5
GJD2	0	0	0	0	0	0
ACTC1	0	0	0	0	0	0
MORC3	7373	4389	7892	6508	4561	5720
CHAF1B	207	103	305	235	151	165
CLDN14	0	0	0	0	0	0
SIM2	4	0	0	0	0	0
HLCS	1791	658	1314	1634	783	1278
GOLGA6A	11	0	6	0	0	0
SCUBE1	19	11	24	16	5	13
ARHGAP2	7503	4984	10902	6531	5210	5465
ADPGK	8064	4520	11263	9371	7408	6933
PTMS	137	111	264	209	136	93
PLA2G4D	0	0	0	0	0	0
PADI4	1406	1277	3337	1353	1355	1488
ADIPOR1	3374	3623	6536	4525	4505	3498
CYB5R1	987	680	1368	1163	912	827
PSMD4	2064	1310	2795	2377	1417	1630
ATP13A2	1402	713	1761	1527	1052	919
M1AP	23	24	18	24	38	27
PSMB4	2923	1754	4284	3299	2116	2285
IRX6	0	0	0	0	0	0
BTG2	9158	16009	23554	10425	5833	5858
CES5A	0	0	0	0	0	0
HK2	4579	2789	7524	5551	5667	4658
C1R	86	63	192	99	59	38
CELF3	0	0	0	1	0	0

ALDH4A1	170	98	370	244	244	152
STARD9	2436	1434	3463	2984	1683	1881
THEM4	2095	753	2490	1654	1107	1894
TCHH	0	0	3	0	8	0
LCE2B	0	0	0	0	0	0
UBR1	7540	3738	8405	7907	5207	5627
AMFR	3862	2303	5192	4737	4463	3147
MED8	950	552	1172	1013	588	787
TGM7	0	0	0	0	0	0
RGL4	145	237	257	158	96	156
SPRR2G	0	0	0	0	0	0
PGLYRP3	0	0	0	0	0	0
ISL2	8	32	70	14	6	8
RSPRY1	2406	1451	3257	2319	1571	2041
CCDC17	539	217	633	636	462	337
GPBP1L1	7031	4043	9428	6997	4774	5174
NAE1	1826	1139	2763	2111	1399	1538
TMEM69	693	331	762	557	464	581
ADGRG5	1158	831	2277	1711	901	1199
DRC7	6	30	44	0	35	12
ACE	180	65	285	114	316	241
TEPP	5	6	16	14	8	19
UROC1	5	0	0	5	2	0
EFCAB14	10657	5429	13918	11757	7535	8389
SPON2	3048	2029	6022	5874	2517	1899
CHCHD6	118	53	139	106	65	86
CTBP1	6611	4176	9272	8471	4585	4678
LRRC36	15	7	17	19	27	12
TPPP3	157	104	206	208	140	155
ZDHHC1	97	51	119	53	45	39
ATP6V0D1	4349	4512	6979	4684	4105	2619
AGRP	5	0	0	3	0	3
ZFYVE28	1488	798	2557	1982	934	1185
CARMIL2	2419	1481	2899	2221	1427	1926
C16orf86	127	59	119	111	79	83
PIP	0	0	0	1	0	0
FAM131B	114	90	208	150	76	77
RGS12	899	506	521	796	997	527
PSKH1	1678	1103	2345	2056	1046	1302
ZYX	5505	4980	7064	4818	4463	3525
ABR	7848	4359	10533	7843	5347	5250
LYPD5	10	8	6	0	3	8
CCDC117	550	1288	3724	3220	311	2363
ZNF230	545	308	578	473	221	437
CCDC107	192	137	287	230	131	180
ZNF222	181	109	175	151	51	102
NPR2	149	44	136	133	81	151
ZNF221	132	52	101	73	45	106
ZNF233	23	12	32	36	23	12
ZNF235	698	602	1223	1270	719	973
GNE	1426	753	1802	1463	980	1080
TNFRSF13(	2978	1807	3502	2058	2214	1632
OR3A3	2	0	2	2	2	4
ARHGAP35	5170	2531	5677	4950	2881	3366
PTGIR	569	260	952	417	515	216
CALM3	2363	1700	3158	2426	2825	1947
DFFA	1787	906	1966	1640	1096	1392
CCDC28B	139	112	215	162	108	111

IQCC	41	27	70	63	18	57
TMEM234	645	396	749	504	349	517
BSDC1	3650	2312	3861	3405	2638	3021
ZBTB8A	25	19	35	11	32	13
ATAD3B	1796	1228	2406	1428	1158	1228
SSU72	4724	3770	7617	5341	4371	3576
UBE2J2	1290	798	1914	1562	1165	1004
ZNF362	1067	543	1197	975	694	765
FNDC5	5	0	10	18	7	5
CPAMD8	598	382	836	397	424	486
NR2F6	73	57	111	80	58	75
ANKLE1	68	70	155	48	81	77
CCDC58	135	81	161	159	69	130
VMA21	3995	1900	3745	3468	2106	3013
KALRN	122	98	195	156	222	177
CILP2	0	8	5	5	3	0
ABCG1	1108	975	2857	1414	1013	695
TFF3	0	0	0	2	0	9
TFF2	0	0	0	0	0	0
TFF1	0	0	0	0	0	0
TMPRSS3	155	22	98	139	53	78
UBASH3A	1944	972	1587	2036	763	1114
RSPH1	6	9	16	3	13	3
SLC37A1	1537	981	1870	1614	1385	1014
PDE9A	244	144	202	148	60	69
WDR4	956	491	911	763	558	622
NDUFV3	2230	1004	2357	2210	1460	1705
PKNOX1	1526	774	718	1917	372	1237
CBS	0	26	33	3	10	0
U2AF1	5515	7372	9739	8346	6629	4288
CRYAA	0	0	0	0	0	0
HSF2BP	26	9	9	22	13	10
RRP1B	3326	1645	3973	3730	2012	2483
PDXK	3263	1763	7819	3634	4708	5061
G6PD	1892	1379	2655	2013	1568	1402
CSTB	394	239	559	381	285	358
RRP1	666	366	821	616	410	431
AGPAT3	3679	1830	4331	3588	3030	2789
TRAPPC10	10104	5608	13179	11969	7100	7001
GAB3	2387	1525	3675	3220	1777	3779
GATD3A	645	497	781	513	534	801
ICOSLG	801	629	1272	542	862	336
AIRE	8	2	7	0	10	6
CFAP410	1431	1212	1679	1622	1020	939
ZNF66	660	373	637	465	213	331
LRRC3	117	67	138	64	73	77
ITGB2	35525	25159	56054	33201	22463	24657
FAM207A	135	66	231	148	79	108
RALGDS	3149	1808	4710	3985	2001	2393
FTCD	17	2	27	15	6	24
SPATC1L	140	82	216	174	123	132
LSS	2195	1160	1779	2168	1304	1289
VAV2	1563	734	2086	1023	1185	1071
MCM3AP	9546	4944	12302	10969	6873	7647
C21orf58	268	106	372	236	144	180
PCNT	4402	2479	5559	4920	2936	3198
DIP2A	9833	7385	20663	15712	9839	9380
S100B	101	153	536	216	113	102

PRMT2	7125	3647	7455	7589	3917	4858
CLDND2	396	172	662	817	247	249
ZNF208	173	87	252	615	137	287
ADAMTS1	101	38	103	53	48	63
CACFD1	189	107	268	220	181	154
SLC2A6	1562	804	2988	1482	1627	1356
ZNF761	1758	613	1538	1703	872	1132
FCN2	0	0	0	0	0	0
C9orf116	8	7	10	0	3	5
LCN1	0	0	0	0	0	0
ZNF714	1144	751	1100	1009	659	822
GPSM1	265	104	3473	242	105	138
C19orf47	341	187	687	272	197	265
HIPK4	7	3	6	12	6	0
CFAP157	11	5	14	15	0	7
TOR2A	356	187	572	434	311	248
ST6GALNA	1637	818	1694	712	887	682
SHKBP1	3623	2646	5656	4010	2859	2699
RDH13	716	499	957	1080	491	503
ZER1	2155	1712	2727	2143	1472	1594
ZDHHC12	288	190	234	146	166	194
PKN3	101	68	128	142	74	88
SPTBN4	7	17	11	19	10	0
BRSK1	18	38	35	40	25	37
COX6B2	0	0	2	2	0	2
TMEM190	0	0	0	0	0	3
NLRP4	4	0	9	4	14	0
PLPP7	20	22	33	29	29	14
TAOK1	19095	11576	22525	18587	13159	14652
MED27	559	227	828	783	444	480
DEDD2	1245	1036	1755	1069	1015	1002
SIK3	7375	4150	7955	6981	4798	5464
MPZL3	1559	1486	2177	1334	1175	1258
JAML	15798	10431	19314	11410	10428	12715
NEK8	390	186	468	352	259	242
TLCD1	15	7	11	24	5	5
PCSK7	17910	10215	25033	18158	12801	14333
SAFB	3411	2852	5519	3286	2295	2456
CD3G	5730	2450	6101	5271	2862	4124
S100A1	7	2	6	4	0	0
CHTOP	4275	3125	6451	5155	3294	3276
CXCR5	1001	597	1144	546	600	582
ZBTB7B	1462	1104	4181	1770	965	1010
FLAD1	890	315	999	908	492	671
SHC1	1397	1343	1983	1444	959	1157
VPS11	2704	1766	3743	3455	2421	2061
NLRX1	832	434	900	726	621	528
ADAR	14668	10447	19353	16259	10121	16783
IL6R	7645	6925	11572	8222	5497	5854
UBE2Q1	2041	1291	2633	2181	1565	1562
CHRNB2	28	0	10	2	7	6
CRTC2	1370	1368	2031	1773	1440	1210
ANO10	901	639	1348	1239	853	904
FDPS	832	491	1199	745	559	695
RUSC1	443	316	489	504	354	348
FAM189B	223	163	474	386	219	244
PAQR6	153	76	104	132	89	64
PMF1	1197	796	1098	868	916	874

SLC25A44	2647	2677	3560	3237	2196	2104
LMNA	594	893	1051	757	1249	563
CCR5	1222	672	930	1602	731	1265
NBEAL2	17503	13641	28213	19827	15920	15270
CCDC12	843	463	1176	977	548	653
PTH1R	2	0	0	0	0	0
UBQLN4	1208	658	1573	1324	817	1039
MYL3	0	0	0	0	0	0
PPP1R35	364	186	456	283	163	223
GPATCH4	341	253	440	385	194	317
LRRC71	0	2	0	0	2	0
FCRL3	5272	1927	6369	5039	2288	3143
AZGP1	0	0	0	0	0	0
FGFR4	16	12	19	14	9	4
CYP3A4	0	0	3	0	0	0
CYP3A7	4	0	0	0	0	0
NACC1	1307	739	1941	1510	803	904
CYP11B1	0	0	2	0	0	5
HK3	5966	3145	8336	5636	5044	5087
LY6K	0	0	0	0	0	4
IER2	3421	6331	10502	4853	2472	2561
ZNF394	3170	3435	5653	4052	3077	2339
CPSF4	800	486	960	1081	657	698
LY6E	2043	537	3554	2098	1367	693
VPS28	1288	936	1667	1489	795	934
TONSL	193	129	363	290	141	172
PTGER1	5	9	3	0	0	3
MUM1	1752	842	2235	2135	923	1252
RECQL4	119	65	171	164	90	97
LRRC14	1335	774	2031	1717	1013	1133
ZNF333	2121	693	2142	1009	1018	999
COL26A1	0	15	0	40	0	17
PPP1R16A	217	109	451	238	151	189
FOXH1	27	13	29	30	19	5
ORAI2	394	300	6283	347	257	236
ALKBH4	308	170	290	253	139	196
CCDC105	0	0	0	0	0	0
SH2B2	460	760	849	323	401	283
MRNIP	1427	854	2005	1361	988	1207
SQSTM1	6942	5837	11054	7256	6175	5215
MGAT4B	2281	1481	4273	2870	3246	1586
RPL8	10087	6004	11893	9630	5951	8356
MAML1	6368	4184	8737	6634	4460	4592
PGLYRP2	5	2	5	6	0	2
LRWD1	655	512	1157	626	486	422
FBXL13	137	335	380	88	101	48
NAPEPLD	1320	563	1365	1177	485	884
SCGB3A1	7	0	0	2	0	0
PSMC2	1930	932	2646	2224	1391	1533
CELF5	13	0	7	2	6	6
MFSD12	1929	1145	2485	1741	1430	1720
USP41	13	10	28	4	16	12
YDJC	318	156	609	337	291	217
CCDC116	29	0	7	9	2	20
DVL3	1664	681	1275	1524	605	641
AP2M1	4011	2700	5400	4712	3534	3156
ABCF3	1926	1166	2332	2090	1309	1371
PCYT1A	5764	3410	7338	6020	3973	4573

FBXO27	2	0	4	0	5	0
DMKN	27	6	35	17	36	12
U2AF1L4	375	130	411	292	154	225
BDH1	931	570	1105	887	576	795
NPHS1	0	0	5	0	2	0
THAP8	50	63	99	48	41	59
COX7A1	7	0	12	5	3	8
ZNF382	381	44	213	427	34	219
LRRC56	167	98	242	103	116	109
PLXDC1	887	788	1078	1149	849	563
PGAP3	979	364	1468	1124	567	853
IKZF3	23393	11719	28830	26198	12596	18289
GRIN2C	26	9	32	42	23	14
FDXR	159	148	265	138	102	171
SAP30BP	1851	2293	3914	2555	1923	1359
ACOX1	5509	4418	7736	5154	3641	3848
PRPSAP1	1344	729	1638	1330	850	1039
CYGB	5	2	8	8	9	8
SRSF2	2952	1700	3774	2896	1475	2235
ZNF577	760	415	923	664	475	637
TMEM143	287	136	280	257	188	199
KLHL10	2	0	3	0	6	4
CCDC155	0	0	0	0	0	0
HCRT	0	3	0	0	0	0
ALDH16A1	1890	1004	3269	1989	1189	1435
DCD	0	0	0	0	0	0
ITGA5	7077	5496	10993	7965	4916	4952
SIGLEC11	64	22	77	67	69	13
ZNF385A	1372	926	1171	1105	1234	1121
MPP3	19	10	36	29	18	6
CD300LG	0	0	0	8	0	0
IZUMO2	0	0	0	0	0	0
NAGS	14	21	29	50	26	36
LSM12	929	623	1134	935	739	698
ASB16	20	13	47	21	7	7
EMC10	3266	1891	3996	3188	2066	2287
JOSD2	200	109	234	175	112	142
SHANK1	46	43	67	43	34	19
FAM171A2	9	6	0	3	2	20
DBF4B	330	92	363	189	171	212
PLCD3	67	53	162	60	66	41
FMNL3	6011	3399	6914	7112	3537	1818
AQP5	0	0	0	0	0	0
RACGAP1	518	312	656	422	290	370
OR7G1	0	0	0	0	0	0
LARP4	3045	1664	3231	1750	1988	2288
GRASP	388	676	960	837	579	221
RAVER1	916	1137	1631	1817	1204	1299
KRT84	0	0	0	0	0	0
KRT82	0	0	0	0	0	0
SYCE2	17	15	19	10	5	4
SPC24	37	41	59	42	17	26
IP6K3	0	0	0	0	0	0
LEMD2	3194	2204	5011	3471	2580	2493
ALOX15	5	17	5	21	12	14
TREML1	624	765	1204	748	2568	599
ZNF653	228	181	343	234	199	136
MED11	290	107	218	204	152	187

CXCL16	1064	932	1204	980	1044	701
SCIMP	4275	1624	4341	2965	2920	2946
RNASEK-C	274	246	324	220	191	275
BCL6B	1	2	5	0	0	2
ASGR2	323	170	491	296	253	250
TNFSF13	873	534	1328	944	1048	610
SENP3	1369	805	1333	1046	1046	1355
FGF11	49	51	56	86	98	26
EIF4A1	6879	5244	11299	9310	6513	5146
RPL26	10309	7872	10540	9998	6874	9923
CCDC42	7	0	9	0	0	7
POLR3K	402	186	448	349	272	267
SNRNP25	239	172	325	281	162	237
PRR35	4	0	0	0	0	0
WDR90	453	210	452	358	359	330
JMJD8	541	171	538	491	362	407
CCDC78	68	42	84	66	60	39
MSLNL	0	3	0	0	0	1
SSTR5	0	0	0	0	0	0
SPSB3	1322	981	1613	1526	732	966
MEIOB	0	0	0	0	0	2
HS3ST6	0	0	0	0	0	0
TEDC2	6	4	14	10	12	0
CCNF	223	173	475	348	207	243
TBC1D24	913	443	1173	933	658	718
AMDHD2	1603	960	2503	1091	1538	1068
NTN3	17	0	7	9	0	8
BICDL2	0	10	2	0	0	0
PAQR4	200	81	194	108	93	70
FLYWCH2	141	109	181	138	137	204
ZG16B	22	13	24	34	23	21
ZNF75A	1229	626	1307	1467	690	1131
ADCY9	2222	755	2706	2162	1050	1685
SHANK2	10	6	1	2	2	3
CLPB	1906	940	2248	1955	1022	1167
NEU3	2941	1487	2795	3357	2055	2041
CYB561A3	2779	1440	3245	2910	1747	1745
PPP1R32	215	89	346	154	117	137
ASRGL1	398	117	469	369	145	210
GNG3	2	7	7	0	0	4
UBXN1	919	603	1365	1069	625	718
LBHD1	1004	475	979	828	639	591
TTC9C	436	300	683	381	288	430
TAF6L	433	204	493	454	220	286
NXF1	3921	2932	7384	4131	2953	3871
STX5	1548	1261	2414	1628	1195	1089
SLC25A45	2104	1136	2475	1969	1203	1414
RPL29	1741	1440	3324	14553	1282	1662
ITIH3	8	0	1	6	4	1
SYVN1	1815	1287	2279	1427	1350	1534
ZFPL1	438	279	564	454	473	373
RPS6KA4	1457	858	1869	1550	1057	1115
LRP5	160	82	121	83	81	64
TPCN2	2433	1411	2931	2371	1983	1504
FGF19	0	0	0	0	0	0
CYP4A22	0	0	0	0	0	0
PDZK1IP1	15	55	117	55	67	26
TAL1	1440	1246	2234	1266	3220	982

CMPK1	8348	4730	9048	8039	7420	3054
BEND5	183	90	129	69	68	45
ELAVL4	8	2	0	0	0	0
COA7	433	179	537	396	264	291
ZYG11B	4390	2327	5508	3485	2753	3562
SLC1A7	87	0	433	113	23	86
C1orf123	859	416	1004	959	461	761
MAGOH	348	338	613	459	285	287
ACOT11	171	57	118	118	133	148
FAM151A	0	0	7	0	0	0
PARS2	122	44	97	116	34	101
LEXM	98	96	218	210	59	118
BSND	0	0	9	0	8	5
USP24	20700	10665	25393	22133	13565	14822
PLPP3	48	39	78	8	77	46
NOL9	4461	2535	5437	4178	2984	3734
PRKAA2	0	0	0	3	0	0
KLHL21	2418	2100	3832	2631	1845	1841
ZSWIM5	243	81	278	354	112	168
GMEB1	2219	1185	2602	2266	1216	1614
SLC45A1	39	16	47	31	32	24
SELENON	2085	1239	2100	1813	1849	1460
AK4	95	46	215	91	73	97
JAK1	34180	21637	42049	35634	21651	23616
RAVER2	216	136	342	288	184	286
CTRC	21	14	32	63	27	17
LZIC	1102	613	1313	1052	970	900
RBP7	263	139	410	267	166	250
KNCN	2	0	0	5	2	0
FBLIM1	0	0	0	0	0	0
TMEM82	0	0	0	0	0	0
SLC25A34	101	64	99	93	52	119
AKR7A3	68	21	58	62	34	24
DRAXIN	327	104	475	574	72	233
PDPN	0	0	0	0	0	0
LRRC38	0	0	4	0	0	0
DHRS3	1449	850	1693	1667	844	770
MATN1	23	30	41	40	18	13
LAPTM5	32184	23213	44223	31463	23232	23426
SDC3	186	63	167	198	111	123
PEF1	951	582	1658	1075	868	862
SYNC	16	6	14	0	2	5
RBBP4	5599	2895	6152	5825	8024	4533
KIAA1522	176	16	176	157	139	76
TSSK3	44	10	44	38	20	50
TMCO4	1176	524	1514	908	664	693
UBXN10	226	61	231	245	128	40
CAMK2N1	77	34	130	132	66	67
ALPL	378	2347	1397	106	84	27
WNT4	18	16	16	9	8	21
TTLL10	4	2	20	4	5	9
SCNN1D	251	114	268	208	122	166
MXRA8	83	49	55	88	33	33
FAAP20	714	571	1113	908	502	595
MEGF6	2031	1289	2360	1479	1126	1636
CCDC27	5	0	4	3	7	4
IL23R	88	77	37	70	57	227
DIRAS3	0	0	0	2	0	1

C1orf87	0	9	26	0	3	2
NFIA	422	163	486	443	220	355
OMA1	2782	1430	2943	2436	1568	2279
MYSM1	6805	3513	3166	2629	1601	2275
TM2D1	2529	1320	3042	2388	1718	2075
USP1	3720	2070	4402	3702	2035	2960
FUBP1	10229	5692	12441	9919	6982	7684
NEXN	112	110	196	70	521	55
DNAJB4	449	278	576	510	364	476
ADGRL4	0	0	0	0	0	0
LRRIQ3	18	18	30	19	18	34
LRRC53	0	0	0	0	0	0
TYW3	1227	589	1115	996	556	719
LHX8	0	0	0	0	0	0
SNX7	6	4	8	13	8	0
B3GALT2	116	25	82	62	70	171
NTNG1	64	16	14	10	27	26
FAM102B	3998	2183	4967	5021	3373	3270
HENMT1	929	346	1024	965	539	726
AKNAD1	0	0	0	0	0	0
C1orf52	1302	849	1554	1303	772	841
WDR63	33	7	21	30	16	15
GBP2	7135	5321	9820	6329	3282	4719
ATXN7L2	337	208	524	495	209	243
GBP4	8390	3432	8331	7579	4149	4694
ZNF326	3895	2373	4674	3480	3003	2944
HFM1	26	24	14	14	12	2
BRINP3	0	0	0	0	0	0
GFI1	921	610	1764	1153	569	867
KCNT2	2	0	19	2	28	5
AGL	3808	1808	4036	3793	1822	2782
VCAM1	81	2	29	83	48	9
EXTL2	299	139	289	364	189	153
SLC30A7	7933	3734	8482	7628	4797	6117
ZNF281	2846	2221	4295	2959	1849	2216
ARPC5	16025	9179	17421	14762	13368	11303
CADM3	3	0	8	3	0	3
NLRP3	2084	2030	7268	4231	3265	2112
ZNF496	1598	1023	1712	1890	503	1296
TRIM58	1729	1585	2066	1749	3511	2008
SLAMF9	0	8	2	0	0	3
OR2M5	0	0	0	2	0	2
KCNJ9	8	10	15	2	4	2
IGSF8	961	432	1291	919	744	752
DDR2	102	11	84	161	58	57
PEA15	2316	1218	2563	2158	1685	1558
PEX19	2417	1397	3420	2994	1229	1250
NCSTN	3735	2805	5548	4201	3007	2923
VANGL2	5	29	30	11	12	5
SLAMF6	4771	2519	5672	5239	2392	3626
OLFML2B	78	7	32	36	25	19
FCRLB	84	33	131	88	34	66
FCGR3B	1467	10626	7738	1663	252	256
SLC9C2	2	3	3	9	2	3
KLHDC9	9	7	2	2	4	0
C1orf74	201	58	177	180	69	105
LMX1A	0	0	0	0	0	0
LRRC52	0	0	0	0	0	0

FLVCR1	1565	880	1632	1343	950	1300
FAM71A	0	3	9	3	0	0
ATF3	133	131	594	298	306	95
RBM15	3486	2056	4578	3768	2310	2620
DENND2D	9639	4312	10336	8309	4272	7901
AXDND1	21	8	45	5	6	13
TDRD5	0	0	0	2	0	0
IER5	2153	2258	4511	2057	1907	1661
SNED1	3066	539	834	953	1013	989
BPNT1	729	313	700	750	416	599
SPATA17	0	2	1	0	0	0
C1orf115	79	66	168	116	81	98
BROX	4671	2972	5969	4773	3412	3798
NBPF20	1053	512	847	877	644	791
ACP6	1255	565	1083	1059	593	841
WDR64	16	0	18	15	10	15
KIF26B	99	17	61	151	32	42
TFB2M	477	299	632	532	346	366
CNST	7023	3715	7807	6003	7479	5100
PPP1R21	3441	1863	3980	3313	1987	2583
KLHDC8A	3	3	0	2	0	0
PM20D1	34	44	142	63	21	64
PKDCC	2	9	0	0	4	6
OXER1	131	89	258	173	116	113
HAAO	131	123	212	202	143	145
B3GALNT2	755	391	855	398	534	589
MAPKAPK	4377	4780	9034	6104	4906	3506
IL20	0	0	0	0	0	0
IL24	72	24	41	29	12	15
FCMR	5064	2466	4697	3872	1964	3619
PIGR	14	11	6	0	3	0
FCAMR	0	0	0	0	0	0
CAPN2	16398	8941	23187	20778	14200	13497
MRPL55	269	167	323	291	235	209
WDR26	16489	11773	23846	17965	13829	12805
REL	17755	11103	22420	15449	14470	11884
PUS10	986	396	1008	698	582	724
PEX13	1666	757	1737	1579	872	1476
KIAA1841	821	380	852	657	501	621
TRIM17	54	21	43	39	22	41
RFTN2	2	0	0	2	0	2
DISC1	2891	1591	2806	1920	2306	2823
CAPN13	4	1	0	0	0	0
LRRTM1	0	0	0	0	2	0
MEMO1	3060	1570	3436	2874	2060	2336
DPY30	477	240	496	427	160	351
TYW5	2127	879	2280	1822	1115	1257
MAIP1	264	192	328	298	133	221
KCNF1	0	0	0	0	0	0
PQLC3	1657	542	1975	1934	571	640
ARL5A	6657	3134	7383	5808	4272	5030
FAM84A	0	0	0	0	0	0
KCNJ3	2	2	0	0	2	4
NEUROD1	0	0	0	0	0	0
CLHC1	429	77	251	395	361	184
FRZB	3	0	0	0	0	3
DUSP19	223	113	364	175	261	221
CFAP36	527	244	507	383	194	367

NUP35	755	417	764	677	391	583
CCDC138	543	211	367	420	257	372
ZSWIM2	0	0	2	0	2	0
FBXO41	2178	1061	2552	2297	1423	1432
ACTG2	0	0	0	2	0	0
WDCP	819	369	815	746	345	654
SMC6	2926	1502	3253	2567	1802	2114
VSNL1	3	0	0	0	3	0
CCDC74A	7	3	0	19	6	0
H3F3A	19378	15533	31105	18445	16627	13248
ANKRD30B	0	0	0	0	0	0
COQ8A	2392	1403	2718	2153	1612	1966
SLC16A14	21	15	26	18	12	19
TEKT4	0	0	0	0	0	0
EN1	0	0	0	0	0	0
SGCB	251	152	453	319	206	292
SPATA18	15	5	18	2	8	3
NOSTRIN	5	12	2	12	3	5
CFAP221	0	0	0	0	0	0
CCDC140	0	0	0	0	0	0
SGPP2	115	81	203	123	65	155
INHBB	0	0	15	0	0	5
XIRP2	9	18	135	24	52	25
BBS5	169	57	199	148	70	124
BIRC8	0	0	0	0	0	0
SMARCAD	3698	1506	3612	3314	2054	2764
HPGDS	9	6	21	15	2	0
PDLIM5	2164	1370	4698	2409	1602	1624
PDHA2	0	0	0	0	0	0
STPG2	15	10	21	17	7	23
NEURL3	2	15	26	16	25	3
RPRD2	5250	2832	5616	5160	3284	3838
ANKRD23	234	86	285	188	131	213
CTSS	61698	33732	77168	56377	60237	48549
MSX1	0	0	0	0	0	0
PACRGL	370	205	422	353	286	482
BNIPL	99	98	144	104	51	83
C1QTNF7	6	0	7	0	0	2
TNFAIP8L2	1467	599	1339	923	611	1067
LYSMD1	106	42	94	84	38	26
SCNM1	450	239	529	467	330	375
TMOD4	37	11	34	103	16	16
VPS72	774	447	904	668	539	642
ERCC3	2470	1395	3349	2706	1692	2025
RNF149	14294	14936	20784	13822	9818	9942
IWS1	1822	966	1713	1455	861	1272
BOLA3	91	40	64	95	28	76
CDC42EP3	6654	5398	10635	6088	3692	6031
S100A11	1756	2381	2888	1842	1317	1838
LCE3D	0	0	0	0	0	0
SMCP	0	0	0	0	0	0
IVL	0	0	0	0	0	0
SPRR3	0	0	0	0	0	0
DHX57	2807	1274	3157	2516	1885	2175
SPRR2D	0	0	0	0	0	0
BMP10	2	0	0	0	0	0
PGLYRP4	0	0	5	0	3	0
ARHGAP25	5612	4245	8197	5029	3396	4141

S100A9	17062	18564	32693	13795	12664	18992
S100A12	523	677	1239	488	487	739
TGFA	306	483	631	436	181	241
TDRD10	0	0	0	4	2	2
CCNYL1	1247	709	1414	1320	962	1004
FZD5	162	99	216	206	106	110
CRYGC	0	0	0	0	0	0
DCAF16	4755	2510	6091	4940	3467	3360
C1orf189	6	5	5	9	3	4
NPPC	0	0	0	0	0	0
GNPDA2	764	426	981	800	530	694
ALPP	0	0	0	2	0	0
GABRG1	0	0	0	0	0	0
ALPG	0	0	0	0	0	0
GABRB1	3	0	0	0	0	2
PAQR3	1039	385	1101	900	568	910
NIPAL1	16	15	37	14	9	16
ALPI	0	0	0	0	0	0
ANTXR2	5490	4063	6657	5586	4698	4682
HELQ	1758	911	2022	1591	1136	1310
MRPS18C	708	322	838	828	438	602
CGGBP1	9258	4772	10128	9353	5809	8198
ABRAXAS1	1922	851	1313	946	1064	1229
GPR155	4364	1831	3484	3568	2383	2910
DAPL1	0	0	0	0	0	0
PMVK	458	174	420	382	239	270
PBXIP1	7002	5656	9821	7833	5188	5906
CLDN1	0	0	0	0	0	0
PYGO2	2190	1410	2828	2328	1356	1957
HIPK1	17663	12641	11746	9859	12797	6442
LENEP	1	0	1	6	4	9
DCST2	31	7	34	20	27	13
DCST1	13	7	30	5	9	9
COL6A3	190	350	476	485	900	121
INAVA	7	6	20	0	12	5
YY1AP1	3437	2591	5016	3721	2790	2819
KBTBD8	788	528	546	758	838	694
FAM19A4	0	1	0	0	0	4
EOGT	688	301	872	552	488	359
LMOD3	2	0	0	0	0	0
NAXE	394	214	546	473	244	380
POGLUT1	2259	1185	2381	2036	1154	1148
SLC22A15	1863	1575	3146	2028	1833	1630
CCKAR	0	0	0	0	0	0
IGFN1	0	0	0	0	0	0
ATP1A1	12586	7363	16516	14182	9068	8873
SLC15A2	2923	749	1878	752	1183	1236
EIF4E3	9064	3036	12079	12036	5423	9694
PROK2	419	1410	2132	425	433	257
C3orf30	0	0	0	0	7	0
LRRC58	5761	2903	6613	5633	3875	4509
FSTL1	482	907	1530	370	1090	481
LMOD1	0	0	0	0	0	0
ELF3	188	61	60	193	56	100
PDCL2	0	0	0	0	0	0
TMEM183A	3078	2015	4588	3736	2485	2532
TMEM169	158	76	157	104	93	132
IGFBP7	407	165	834	724	280	348

TRIM46	154	77	245	175	139	173
KRTCAP2	581	348	778	687	376	663
CXCR1	1363	5319	5084	824	364	336
ARPC2	18213	11127	27852	22668	12973	12952
TSACC	0	2	0	2	0	0
CCT3	3020	1493	3301	2783	1681	2307
TMEM79	384	199	367	299	157	208
SSR2	2728	2032	3901	3169	2339	1901
RNF25	273	148	373	244	198	193
STK36	832	392	741	730	472	522
ADORA1	29	4	8	17	17	18
NEK10	116	33	131	99	80	107
CCDC141	3526	1691	3083	3181	1214	1968
FEV	0	0	0	0	0	0
CRYBA2	0	0	0	0	0	0
IHH	9	5	0	14	3	6
CIP2A	410	192	450	361	258	320
EOMES	1965	958	1782	3099	795	1463
CWC22	2108	1126	2190	1774	1006	1558
AZI2	2225	1001	2136	1778	1197	1692
TGFBR2	20612	13530	23831	19859	12509	14277
RETNLB	0	0	0	0	0	0
ANKZF1	2903	1738	3493	2928	1759	2115
HDAC11	197	85	226	189	105	166
FCRL4	2	0	2	0	0	0
TRAT1	3537	1629	2775	2296	1482	2746
FBLN2	207	93	216	234	210	98
GLB1L	176	84	202	199	128	28
STT3B	12037	6208	15291	13065	7382	11038
CHCHD4	290	167	302	249	189	266
DPPA2	0	0	0	0	0	0
NFASC	9	15	17	0	6	0
FCRL1	3995	2688	3985	1916	2043	1995
SGO2	327	178	442	386	153	283
SERPINI1	141	86	181	180	125	102
CLASP2	7534	3461	8242	7425	5112	5245
SUCLG1	1480	897	1939	1743	912	1389
NUAK2	1908	1962	3360	1645	1191	1807
SPTA1	13	0	18	15	28	4
PRKCI	1088	685	1420	1295	663	846
MNDA	10434	10262	15972	8081	4920	6861
PYHIN1	4795	2365	6841	6218	2995	4063
IFI16	9487	5562	12714	9614	5249	7782
AIM2	598	191	526	259	537	280
EFHB	10	2	2	13	14	2
EIF5A2	696	305	800	899	325	449
SLC2A2	0	0	0	0	0	0
RPL22L1	699	281	1146	1157	622	524
FABP1	0	0	0	0	2	0
PPM1L	3804	2604	6212	4882	4690	3885
ICA1L	543	267	585	463	251	341
CTLA4	294	341	361	297	638	282
ICOS	1317	826	1626	973	754	1022
RYBP	6009	3633	6011	5321	4933	4105
PPP4R2	5838	3261	6278	5158	3452	4440
CD200R1	1040	564	1110	1104	516	1080
GTPBP8	391	309	531	476	227	320
NEPRO	3047	1602	3540	3236	2052	2149

SPICE1	2102	1013	2292	1961	1083	1473
CCDC191	649	313	783	475	449	456
CADPS	3	0	0	0	3	0
NKX6-1	0	0	0	0	0	0
CDS1	72	11	78	57	23	50
WDFY3	8369	8302	14310	7358	7207	6637
COX18	1321	591	1032	1003	681	712
PTPN13	661	300	1092	714	538	987
SYNPR	0	0	0	0	0	0
ALB	5	5	3	0	0	2
C3orf49	2	0	2	0	0	0
C4orf36	0	0	2	0	4	4
THOC7	570	305	747	543	346	455
ATXN7	9797	5736	12341	9169	5715	8235
PSMD6	3067	2545	5620	4152	2740	2518
PRICKLE2	84	33	68	124	73	22
ADAMTS9	0	0	2	0	0	2
PPM1K	7099	3589	8173	6665	4188	5353
ERICH6	15	0	9	6	0	4
CLRN1	0	0	2	0	0	0
GMPS	4317	2037	4831	4023	2749	3549
TIPARP	2809	2949	5519	4821	2628	2605
CCNL1	8116	12031	20707	11901	7947	8390
PTX3	33	146	492	149	84	74
HESX1	11	3	18	8	9	6
DCLK3	0	0	0	0	0	0
SLMAP	5111	3297	7287	5598	4340	3865
RPL9	12752	5119	8583	5471	4392	6183
SMIM14	3400	2089	3989	3206	2395	2625
RPP14	1069	611	1122	1050	778	892
ABHD6	435	205	455	439	338	270
DNASE1L3	21	40	46	102	96	53
C3orf67	8	5	25	2	8	6
RBM47	3547	3665	6276	3147	2525	2441
APBB2	44	35	68	83	17	30
IL17RE	53	42	42	44	45	59
IL17RC	113	45	90	123	71	90
CRELD1	606	261	640	531	380	520
PRRT3	178	93	213	203	186	153
FANCD2O	0	0	0	0	0	0
PCOLCE2	4	0	11	2	16	3
U2SURP	7972	4550	10396	8675	5341	6519
MTMR14	4433	3314	6978	4852	4333	3327
TTC14	5425	2431	6051	5460	3211	3770
CXCL3	15	21	80	27	24	7
CXCL5	695	862	1337	793	2398	1283
PPBP	17506	23489	24035	12604	66493	16584
PF4	1202	1752	2432	998	5762	1146
MTHFD2L	982	509	589	775	487	563
CXCL1	111	851	757	101	55	28
RCHY1	2260	1258	2913	2225	1606	1760
PLSCR2	27	3	20	14	19	12
CCDC158	0	0	0	0	10	0
CPA3	174	99	325	401	47	85
GYG1	1795	1189	3225	2852	1582	1937
HPS3	3975	1682	4920	3482	2546	3108
TM4SF18	0	0	0	0	0	0
TOPBP1	4523	2585	5535	4724	2952	3459

RYK	3131	1897	3992	3130	1824	2429
SNRK	3993	2503	4931	3777	2096	2569
TCF23	0	0	0	0	0	0
DNAJC5G	0	0	0	0	0	0
UCN	68	39	67	49	42	46
ZNF513	643	366	901	640	452	480
SLC4A1AP	1219	777	1509	1536	934	1198
PLB1	335	433	420	382	195	229
SPDYA	204	240	439	350	213	214
KIAA1143	2505	1353	2858	2549	1327	2060
KIF15	97	34	116	47	58	56
TGM4	0	0	2	4	0	0
WDR43	2476	1430	2680	2400	1460	1835
ZDHHC3	2637	1601	3541	3017	2163	2187
CDCP1	77	66	91	48	59	62
CLEC3B	23	26	32	32	15	21
SLC6A20	0	13	6	13	0	3
LZTFL1	866	480	897	683	524	534
FYCO1	3384	1943	4308	3611	2315	3120
CCR1	3714	2742	4922	3522	2074	1961
RTP3	0	0	0	0	0	0
LRRC2	20	5	7	22	6	15
ELP6	554	332	703	637	375	493
FBXO40	14	22	20	8	16	8
DTX3L	9877	5538	13364	10555	5538	7328
ZNF148	6149	3084	6020	5041	3092	4495
NMNAT3	160	114	189	179	106	193
SMIM12	985	633	1505	1337	704	825
ZMYM6	5567	2503	5289	4517	3331	4200
TPRA1	623	349	1098	560	508	427
YEATS2	3323	1865	3881	3135	2143	2644
GRIK3	0	0	0	0	6	0
ZC3H12A	831	1786	2879	1279	1253	699
MEAF6	981	577	1178	983	633	709
SNIP1	1413	1164	2033	1660	1023	1140
DNALI1	0	0	5	2	2	2
POLR2H	598	378	732	529	365	428
KLF15	6	0	20	0	3	0
CFAP100	2	0	4	3	2	0
CAMK2N2	6	2	5	0	0	0
LIPH	137	87	149	143	361	151
TMEM41A	1357	932	2018	1707	565	1266
RPN1	5304	3619	7372	5929	3858	3958
SENP2	2853	1936	3945	3009	2489	2221
HEYL	5	8	12	10	8	6
IFT122	935	459	1233	857	626	630
RHO	0	0	0	0	0	0
RFC4	291	151	290	262	131	230
RPL39L	46	9	43	53	21	24
BAP1	2378	1708	3615	2987	2142	1867
TKT	10207	7383	12963	8907	7914	8322
PRKCD	4269	3676	6276	3761	3022	3077
RFT1	1926	981	2491	2141	1351	1589
SFMBT1	1932	881	1848	1828	1159	1414
GNL3	1605	1012	2008	1848	1206	1247
PBRM1	7799	4006	8918	7770	4826	5707
UVSSA	5540	1509	6052	1917	1590	4489
FAM208A	13927	6833	13757	12970	7613	10747

ARHGEF3	6375	2653	7881	6735	3061	4172
SLBP	1542	686	1249	1273	1180	1210
LRPAP1	3126	2126	4241	2959	2334	2424
ZDHHC19	4	7	4	6	0	14
SLC51A	9	22	13	6	2	5
UBXN7	11190	6728	13590	11245	7622	8741
RNF168	3785	2103	4560	3579	2359	2619
PIGX	1040	470	1156	1089	815	683
MELTF	93	53	114	111	50	53
OTOP1	0	0	0	0	0	0
S100P	33	326	71	32	26	57
ABLIM2	89	69	124	95	79	67
EXO5	444	244	315	502	242	372
CLDN19	2	0	0	0	0	0
C1orf50	190	565	1208	966	18	625
ERMAP	1159	642	1498	1137	987	996
ZNF691	141	96	110	102	77	112
AIMP1	1228	618	1473	1194	820	961
SGMS2	1915	888	1674	1967	1164	1509
METAP1	2939	1565	3498	3138	1862	2103
DNAJB14	6666	3252	7702	6664	4194	6165
H2AFZ	2758	1986	4106	1971	2202	1289
EMCN	0	0	0	0	9	0
SLC9B1	182	99	138	137	84	99
SLC9B2	515	179	662	502	299	418
BDH2	473	262	407	481	279	261
PGRMC2	569	844	1777	1569	861	1111
CDC25A	36	23	35	33	14	21
CAMP	99	202	410	168	81	383
ZNF589	646	584	1555	777	733	906
FBXW12	0	0	1	0	0	0
PLXNB1	141	128	279	171	130	84
CCDC51	107	76	109	90	62	95
ATRIP	481	252	567	843	334	401
SHISA5	3473	2760	5527	3895	2356	2811
SPRY1	58	119	113	118	100	106
BSN	54	16	32	44	18	36
APEH	2295	1158	2503	2385	1572	1746
INTU	59	35	98	66	59	34
RNF123	2353	1301	3139	2617	1507	1827
HSPA4L	6	5	36	7	24	17
MFSD8	2719	1194	2658	2414	1418	2068
ABHD18	1888	834	1986	1649	1202	1035
CAMKV	0	0	0	0	0	0
MON1A	327	193	359	328	136	200
MST1R	28	18	30	51	30	28
RAD54L2	3934	3093	4677	6313	2573	4184
TEX264	1334	592	1190	1202	682	801
GRM2	218	147	146	177	62	77
DUSP7	1871	877	2258	1948	967	1605
POC1A	68	60	92	73	25	44
PPM1M	2452	1303	3187	2693	1701	1712
ETNPPL	0	0	0	5	0	0
WDR82	12172	7097	15387	13636	6901	9429
PITX2	0	0	0	0	0	0
C4orf3	4119	2241	4804	3866	3318	3218
PRSS12	3	0	2	4	0	0
NDST3	3	8	7	0	16	8

HMGB2	884	586	1039	824	582	633
SAP30	285	173	347	293	173	194
SCRG1	2	0	9	2	5	6
HAND2	0	0	0	0	0	0
MAD2L1	353	153	354	373	193	214
ANXA5	6245	3063	8342	6293	4546	5093
TMEM155	8	4	12	33	0	6
ADAD1	0	0	4	0	2	0
MAP9	809	254	726	572	282	545
GUCY1A1	720	838	610	517	1746	396
FBXO8	918	432	952	960	515	758
CEP44	1747	1136	2022	1810	1367	1538
HPGD	642	365	1023	459	853	591
ASB5	0	0	2	0	2	0
C4orf45	0	0	0	0	0	0
TMEM144	1498	275	1124	966	706	1206
FAM198B	6365	2631	4850	4790	3759	4254
NPY1R	0	0	0	0	0	0
NPY5R	0	0	0	0	0	0
NAA15	6976	3402	7052	6316	3977	5026
IL15	2590	998	2973	2229	2305	1817
FAM160A1	67	119	140	138	189	113
ARFIP1	1153	505	1414	1096	512	763
ICE1	7830	4048	9289	8722	4625	5953
HHIP	0	0	3	5	4	0
ANAPC10	394	288	515	436	301	311
ABCE1	4034	2011	4160	3926	2367	3510
OTUD4	8633	4667	10456	8644	5425	6413
LSM6	834	436	966	943	491	848
TMEM184(	1499	660	1694	1442	815	994
PRMT9	1027	524	1290	984	585	821
ITGA2	115	213	235	96	254	191
MOCS2	726	421	1626	888	504	597
SLC45A2	7	2	0	7	7	5
EDIL3	0	4	2	2	0	7
TMEM161(	3147	1715	3499	3373	1949	2586
ELOVL7	1889	1939	2754	1566	5430	1362
NDUFAF2	114	55	83	64	44	57
ZNF474	12	2	3	15	9	4
LMBRD2	3336	1598	3258	3097	1751	2485
RANBP3L	0	0	0	0	2	0
NIPBL	19566	12091	23028	18781	11098	14079
RNF180	0	0	0	0	0	0
ADGRV1	32	44	35	35	20	37
SLC25A46	4182	1779	3791	3319	1973	2780
STARD4	1827	1338	2841	2291	1742	1557
PGGT1B	6730	3156	6397	5817	3928	4677
F2RL2	13	9	34	19	17	12
CCDC112	151	135	219	171	97	166
ANKRD33E	1073	1104	1667	918	2277	856
CMBL	14	35	19	21	11	30
C5orf63	697	429	870	669	207	441
PRRC1	4202	2275	5493	4762	2690	3869
F2RL1	360	937	679	321	273	308
AGGF1	3040	1652	3111	2812	1598	2293
WDR41	2154	997	2032	2194	1452	1400
PRDM9	0	0	0	0	0	0
NDUFS4	919	448	677	788	523	546

SCGB3A2	4	6	10	7	0	9
SPINK1	0	0	0	0	0	0
HTR4	4	2	0	4	0	0
ESM1	53	14	22	30	29	90
GRPEL2	1882	852	1794	1701	957	1453
CDC20B	0	0	0	0	0	0
ARSK	363	207	478	399	264	324
RHOBTB3	982	533	1128	1059	697	760
GPX8	0	0	0	0	0	0
TIGD6	227	93	228	187	64	123
SPZ1	0	0	0	0	0	0
SERINC5	16566	8219	16647	12079	8718	12029
ENPP6	0	0	0	4	0	0
CAGE1	0	3	2	2	0	0
CASP3	2391	1243	2833	2056	1612	1778
PRIMPOL	677	370	520	632	411	478
ERAP1	9490	5148	12673	9257	6490	7934
ERAP2	4566	4706	5129	9502	5737	3304
CMYA5	83	39	185	60	60	35
EGFLAM	0	0	0	0	0	0
CFAP97	2597	1084	2440	2121	1148	2054
TMEM174	0	0	0	0	0	5
CARTPT	0	0	0	0	0	0
RICTOR	16842	13560	24427	17455	10368	12807
TENT2	5968	3195	7316	5710	3791	4610
EBF1	1067	544	892	610	657	616
ANKRA2	730	355	743	817	434	621
UBLCP1	2217	1077	2158	1784	1113	1329
FAM170A	3	0	5	4	0	3
UTP15	1445	542	1361	1358	661	1050
TLR3	252	63	323	314	145	246
KLKB1	180	57	114	66	47	144
NSA2	1190	710	1772	1519	819	1266
GFM2	1688	784	1924	1684	871	1384
TERT	9	12	0	10	7	10
SLC6A18	0	0	0	0	0	0
CCDC127	876	394	760	677	405	572
FOXQ1	0	0	0	0	0	0
ADGRF2	0	0	2	4	0	0
ACSL6	1447	639	1251	939	558	1229
IL3	0	0	0	0	0	0
CSF2	2	2	3	0	0	0
8-Sep	393	206	591	479	277	469
SHROOM1	320	211	210	137	265	273
GDF9	20	20	36	27	37	21
UQCRQ	481	197	530	528	336	374
LEAP2	155	68	126	106	105	90
GJB7	0	2	4	0	0	0
SLC35A1	2041	871	1996	1843	1034	1665
GRIK2	2	0	0	0	0	0
CGAS	1286	820	2197	1299	1035	1219
FABP7	0	0	0	0	0	0
TLX3	0	0	0	0	0	0
TXLNB	156	61	118	111	83	91
CITED2	2719	1154	2485	2682	1188	1798
CALHM4	0	0	0	0	0	0
TBXT	2	0	7	0	0	0
CREBRF	10968	6958	13033	9629	6706	7622

DCBLD1	599	158	497	531	307	482
SFXN1	3164	1654	3675	3102	2046	2374
SAMD3	5514	2236	4812	4858	2428	2922
TMEM200A	100	73	58	136	70	103
IL22RA2	1	0	0	0	0	0
DACT2	0	0	0	0	0	0
PDSS2	1166	547	1250	1085	647	754
SPATA48	0	0	0	0	0	0
STXBP5	6759	4627	8225	6932	4118	5310
HIST1H2AI	0	0	0	0	0	0
IL31RA	79	72	163	99	74	50
ANKRD55	245	229	224	90	148	211
RAET1E	0	0	0	0	0	0
PI16	76	50	186	83	54	77
TBX20	0	0	6	0	6	0
DAGLB	1843	1267	2252	1849	1351	1504
KIAA0895	104	12	50	30	12	49
STK17A	8942	5010	10495	9278	3959	6484
TRA2A	4968	4487	7858	5586	3604	4507
GALNT10	5590	2829	7819	7173	4575	4162
SAP30L	3121	1261	2930	2587	1746	2309
RPS14	23055	12416	22215	20918	14331	17080
HCN1	0	0	0	0	0	0
MYOZ3	4	0	2	0	3	2
COG5	5137	3518	7680	6806	4260	4130
NEUROD6	0	0	0	0	0	0
BMT2	1761	935	2063	1797	1042	1315
GPR85	9	9	6	15	20	9
SLU7	2671	2061	4511	3478	2170	2073
RP9	184	127	254	188	62	187
PTTG1	109	64	177	106	73	91
CAMLG	870	498	1223	920	625	804
BMPER	16	11	2	2	14	14
RELL2	328	194	368	386	237	262
KCNK5	41	22	65	50	35	57
KIF6	0	0	0	2	0	2
ZNF12	3671	1953	4076	3387	2057	3047
SLC29A4	2	4	9	1	6	7
TEX47	0	0	0	0	0	0
STEAP1	0	2	0	0	0	0
CDCA7L	1171	740	1142	784	468	501
SP8	0	0	0	0	0	0
MIOS	1525	808	2152	1534	1130	1237
KIAA1324L	569	362	865	482	225	588
USP49	234	201	1142	309	621	219
SYTL3	1807	1298	3212	2386	1691	1516
IQUB	17	13	17	22	23	18
HEY1	8	24	18	14	0	2
ZNF704	36	31	42	45	16	59
FABP5	141	53	96	100	57	91
SHH	0	0	0	4	0	0
TAGAP	6188	7666	7016	6048	2678	3760
COL1A2	0	0	4	8	14	7
FNDC1	0	0	0	0	0	0
CHMP4C	10	2	18	4	4	4
SLC13A4	13	12	16	5	3	10
PGAM2	63	35	64	49	22	33
BRI3	2469	1958	3868	2278	1965	1937

LMTK2	3788	2440	4184	3717	1532	2883
SLC35G3	0	1	0	0	1	4
CTSB	12344	4171	12889	10733	8763	9786
SOX17	0	0	0	0	0	0
DLC1	81	36	60	47	59	39
ADCY1	2	2	7	4	10	2
C8orf48	0	0	0	0	0	0
SUN3	5	0	4	7	5	6
C7orf57	5	0	6	0	4	0
HNF4G	0	0	0	0	0	0
PEX2	1308	562	1447	1355	816	1170
RAD21	10441	6839	14549	10822	7135	8216
SLC30A8	2	8	0	0	0	6
MED30	329	370	864	643	401	192
TNFRSF11	0	0	0	0	0	0
SBSPON	2	0	5	0	0	0
PHKG1	127	100	157	86	83	74
EN2	0	0	0	0	2	0
KCNV1	0	0	0	0	0	0
CSMD3	0	0	0	0	0	0
SPIDR	2834	1570	3336	2779	2269	2373
ORC5	1228	622	1297	1044	654	921
DEFA5	0	0	0	0	0	0
DNAAF5	703	221	692	545	366	461
DEFA4	68	50	227	38	115	89
DEFA6	0	0	0	0	0	0
OSGIN2	1394	1178	2255	1650	1108	1183
DEFB1	0	0	0	0	0	0
SUN1	5089	2689	5687	4605	3192	3975
OXR1	4607	2337	4688	3529	2862	3562
TMEM74	0	0	0	0	0	0
GPR146	125	67	98	53	80	78
GPER1	60	28	39	14	15	47
UNCX	0	0	0	0	0	0
TMEM184A	34	22	57	38	32	20
NOS3	117	82	110	93	91	123
SPAG11B	0	0	0	0	0	0
MICALL2	110	63	160	110	80	77
CA3	21	21	38	17	16	20
INTS1	6081	3126	7139	5635	3249	3652
CDK5	207	67	274	252	114	126
SLC4A2	1715	1118	2081	1851	1313	1277
SLC7A13	0	0	0	0	0	0
FASTK	1266	688	1707	1411	746	944
TMUB1	512	310	447	471	211	347
FMC1	75	27	50	84	47	48
GBX1	0	0	0	0	2	0
PHAX	919	370	885	823	451	730
ALDH7A1	45	45	108	47	40	93
FOXK1	10375	4819	10574	10726	6843	6869
COX6C	1628	874	2056	1858	804	1227
OSR2	0	0	3	2	0	2
YWHAZ	43291	31706	63798	44774	44593	37529
BAALC	32	16	21	43	15	5
FZD6	137	102	293	114	107	130
CTHRC1	2	2	2	2	0	0
SLC25A32	1548	977	1973	1535	1191	1116
DCAF13	1690	1055	2510	1920	914	1366

DCSTAMP	23	0	6	11	0	9
TP53INP1	6774	6033	9144	6272	4441	5528
INTS8	4207	2664	4693	3820	2664	3904
VIRMA	5051	3373	7021	6417	3525	4628
FREM1	12	0	25	7	18	0
GEM	8	2	12	7	5	7
PDP1	4679	1413	4441	3197	2883	1927
TMEM67	391	210	332	333	240	266
WASHC5	3620	1857	3982	3686	2396	2589
RPP25L	250	121	250	219	172	193
FAM219A	277	420	501	791	267	466
C9orf24	13	6	16	12	6	15
SNAPC3	4511	2109	4383	3123	2619	2814
MYORG	28	37	107	98	35	50
NUDT2	432	127	456	447	264	350
TMEM65	6238	3898	7102	5459	4196	5415
PSIP1	5661	3317	6010	5360	3245	4833
CCDC171	338	127	242	182	137	210
UBAP1	1862	1722	2763	1775	1459	1501
DIRAS2	0	0	0	0	0	0
SYK	11665	6694	14024	10079	9418	7492
NIPSNAP3	178	57	181	112	154	113
ABCA1	3110	3334	6028	1881	3265	1533
NFIL3	987	2997	5059	2597	1281	721
LETM2	145	80	206	176	72	137
METTL2B	1460	720	1797	1570	944	1124
PRKACG	0	0	0	1	0	0
FXN	521	642	508	1233	277	1000
ZMAT4	256	82	236	456	132	20
NKX6-3	0	0	0	0	0	3
TMEM71	3563	3451	5423	3878	2433	3068
MAMDC2	0	3	13	12	8	4
PRSS37	0	0	0	0	0	0
CPA6	2	6	12	10	2	2
C8orf34	0	0	0	0	0	0
TMC1	5	0	13	0	7	8
ALDH1A1	1965	959	2238	1598	1144	1255
KDM1B	2951	1559	3217	2737	1991	2205
HGSNAT	4698	2449	5339	4608	3664	3582
RASEF	0	3	6	0	2	4
GKAP1	327	169	308	248	173	268
KIF27	455	498	690	397	266	356
C9orf64	498	245	491	497	250	360
HNRNPK	16926	11548	23572	18840	11262	13029
SSMEM1	0	0	0	0	0	0
SVEP1	4	3	0	4	19	4
TRPV6	16	9	25	13	18	11
LLCFC1	5	2	3	2	0	0
ANKS6	682	269	760	398	441	427
FBP1	986	413	1284	711	519	743
TMEM246	8	4	1	6	0	10
ZHX1	660	783	824	725	914	614
CFAP47	3	0	0	0	3	0
CYBB	64570	23451	61677	48079	35574	39420
DYNLT3	904	630	1248	1107	619	816
METTL27	35	40	24	34	9	0
MID1IP1	1753	1555	3113	2012	1183	1227
C9orf84	3	0	2	4	0	1

CXorf58	0	0	0	6	2	4
KIAA1958	970	378	1294	1219	919	862
PTCHD1	0	0	2	0	9	0
RNF183	0	0	0	0	0	0
ASB11	0	4	0	1	0	0
PCDH19	0	0	2	5	0	0
PIGA	1234	1493	3055	2291	1237	1063
VEGFD	5	0	0	0	0	0
OR1Q1	0	0	0	0	1	0
OR1K1	2	0	2	1	0	0
STRBP	3363	1737	3337	2380	1742	1946
CLDN3	2	2	0	3	0	0
GAPVD1	4784	3883	5813	4958	3379	3881
CARD19	609	645	1297	612	867	502
WNK2	33	4	19	21	6	2
ATP7A	3990	2206	4766	3928	2218	2511
ZNF367	571	280	634	486	532	436
NLGN4Y	36	0	71	54	17	0
HDX	320	100	262	226	225	213
NDUFB6	507	287	583	470	327	306
AQP7	22	18	15	13	18	6
NOL6	2390	1201	3044	2585	1566	1736
AQP3	947	603	1081	871	631	994
TRMT10B	628	161	655	449	366	494
VCP	9707	7002	14989	12076	8303	7423
PIGO	1448	450	1075	1520	724	810
STOML2	836	330	763	855	556	592
BRWD3	10214	6226	12546	9348	6524	7014
SLITRK5	56	16	91	37	56	43
MELK	57	24	103	44	43	36
ARMC3	92	86	228	54	462	99
OTUD1	1999	1851	3906	2735	1655	1844
ARHGAP1	3441	1683	4389	3739	2159	2658
FAT3	3	0	0	0	0	12
DEUP1	3	0	0	0	0	0
HECTD2	235	123	245	265	284	179
SLC7A3	4	0	9	2	4	7
FBXO33	2473	2279	4929	3819	2354	1918
INTS6L	4086	2080	4874	4237	3002	3405
GPR101	0	0	0	0	0	0
CLDN2	0	0	2	0	0	0
LRFN5	0	0	0	0	0	0
LRRC18	9	0	3	0	0	0
SPTSSA	1178	442	943	887	797	878
WRN	2520	1194	2563	2193	1328	1876
8-Mar	4143	3097	4793	4298	3038	3403
TSHR	41	25	31	17	14	24
CFL2	691	953	739	725	339	472
SUGT1	6334	2850	6678	5561	3496	5281
GTF2A1	4830	2408	4362	4156	2415	3441
ZCCHC24	557	297	958	789	606	487
PGM2L1	1718	1042	1981	1744	1639	1099
PHYHIPL	0	0	0	0	0	0
SLC16A9	0	0	0	4	0	2
FOLR2	110	33	38	33	56	40
INPPL1	5631	3693	8791	6059	4985	4911
PHOX2A	4	0	0	0	0	5
MBL2	0	0	0	0	0	0

GJB2	0	0	0	0	0	0
CRYL1	791	450	967	809	996	707
REEP3	2456	1054	2875	2276	1812	2188
HEPACAM	0	0	0	0	0	0
SKA3	88	73	166	69	67	66
MICU2	2933	1482	2618	2367	1624	2104
DDIAS	400	176	481	247	68	270
PCF11	12286	9504	15858	12902	8450	9630
PKNOX2	0	0	0	0	0	0
RPL10L	0	0	0	0	0	0
LRR1	354	180	364	346	227	291
RPL36AL	407	364	537	495	295	676
DNAAF2	394	180	331	280	147	275
DEPP1	74	21	97	44	20	39
MAGEC3	0	0	0	3	0	0
ZNF22	1534	554	1617	1415	653	1049
KLHDC2	2106	1145	2727	2313	1227	1542
EML5	916	456	1121	691	411	637
NEMF	5621	2900	6312	4938	3527	4424
RPUSD4	1065	789	1399	1322	725	852
ARF6	11945	5352	12853	12132	6487	8564
TTC8	155	100	147	123	93	131
TMEM63C	241	62	115	331	295	102
NGB	0	0	0	0	0	0
NOXRED1	72	34	64	55	41	54
CDX2	0	0	0	0	0	0
AMER2	4	0	0	0	0	0
AKR1E2	74	53	140	135	53	103
KBTBD6	484	283	534	444	235	470
SSX5	0	0	0	0	0	0
SSX3	0	0	0	0	0	0
OTX2	0	0	0	0	0	0
FAAH2	406	246	509	328	176	494
DRGX	0	0	0	0	0	0
NUDT5	1886	1300	2493	1907	1172	1471
DACT1	145	156	144	106	46	77
OXGR1	4	2	4	2	0	8
UCMA	0	0	0	0	0	0
BEND7	23	68	74	30	9	11
ATP5F1C	2867	1531	3450	2973	1935	2247
PRPF18	1803	1022	2044	1672	987	1284
TAF3	1449	834	1790	1540	890	1068
VSTM4	17	8	356	15	3	0
VDAC2	1884	1139	2526	2107	1695	1235
SOHLH1	0	0	0	0	0	0
COMTD1	119	56	241	111	62	76
SLC18A2	230	355	396	612	383	157
PDZD8	5455	3905	7139	3940	3271	4139
ZNF503	81	49	151	93	54	47
ABRAXAS2	1345	592	1185	1202	629	1016
QSOX2	2364	1418	2999	2237	1851	1523
FAM204A	4947	2250	4840	4243	3018	3946
NSD1	18596	10664	23021	19004	12287	13479
PRDX3	3499	1503	3335	2855	1838	2463
ENOX2	908	468	1072	1018	552	687
GHITM	4575	2684	5856	4978	3585	3278
CLEC1B	200	343	480	171	597	136
SNAPC4	801	509	1365	798	576	584

TMEM52B	5	0	12	5	2	5
PMPCA	1436	1047	2402	1941	1314	1196
ENTR1	1008	561	1477	1145	764	786
FRMD7	3	0	0	0	0	0
AK8	13	10	6	6	14	11
SPACA9	48	41	55	46	39	24
TSC1	4806	2827	5845	4657	3227	3566
GFI1B	378	311	706	515	982	386
HPRT1	955	448	1079	1018	700	728
BORCS5	1762	815	2025	1690	1305	1842
FAM69B	70	112	153	111	161	65
ZMYND19	400	274	473	313	278	332
STOX1	18	14	39	13	31	20
RET	29	36	41	14	91	47
DDX21	8187	7071	14477	10398	7573	5961
BMS1	2359	1195	2530	2331	1249	1745
STK32C	505	205	481	373	501	307
JCAD	0	7	14	14	28	9
OR4K2	0	0	0	0	0	0
FUNDC2	1733	774	2596	1393	1504	1263
PIP4P1	1524	1165	2397	1595	1653	1140
METTL17	1770	1027	2334	1992	1252	1540
SLC39A2	3	2	5	4	3	0
NDRG2	514	207	605	573	306	354
RNASE7	0	0	0	0	0	0
ARHGEF40	2492	2242	3849	3092	1954	1657
NSMF	2189	1131	2662	2035	1778	1173
ZNF219	142	107	333	233	195	131
C12orf50	4	0	7	4	4	0
CASP7	964	565	443	783	398	617
PPP1R36	5	0	4	2	8	2
BTNL9	143	22	115	48	7	59
CCDC186	3347	2380	4297	3502	2209	2788
VWA2	5	0	6	2	8	2
METTL3	2182	1112	2387	1980	1479	1586
SALL2	180	96	190	226	76	121
PRAP1	0	0	8	0	0	0
TRUB1	879	457	889	779	432	766
ERICH6B	0	3	15	0	3	0
CYP2C19	0	0	0	2	0	0
ZFYVE1	1623	1067	2171	1797	975	1261
C10orf82	4	20	0	4	10	12
HSPA12A	130	64	104	40	48	101
FRAT1	1019	829	1454	1107	560	719
UBTD1	125	167	235	149	154	137
ANKRD2	0	4	4	0	0	0
E2F7	48	47	82	36	38	28
ARHGAP42	148	81	161	182	205	51
ISCA2	297	155	324	194	151	199
OTOGL	4	6	0	0	26	7
LARGE2	222	133	310	147	138	173
PACSIN3	0	0	0	2	0	3
TTC7B	475	380	760	574	1529	475
SLC39A13	792	426	961	840	502	539
PSMC3	620	441	916	756	509	465
RAPSN	84	38	54	90	96	65
AGBL2	190	99	110	230	83	142
TC2N	13283	7250	15948	15768	8520	13426

CPSF2	6275	2728	6134	5484	3392	4936
SMCO2	0	0	0	3	0	2
MOAP1	2047	1491	3265	2901	1556	1615
IFI27L1	55	53	102	67	67	58
IFI27	7	18	42	14	7	20
SERPINA1	0	0	0	0	0	0
CLMN	3895	2046	3414	1826	3404	2810
PDZRN4	0	2	0	0	5	0
SLC6A5	0	0	0	0	0	0
CCDC38	7	0	5	6	5	2
NELL1	0	0	0	0	0	0
PTER	922	331	1827	1178	866	1441
C1QL3	12	2	7	0	7	8
CACNB2	21	8	12	18	6	4
HACD1	46	24	71	46	35	62
ARL5B	2845	5252	7253	3918	3104	2424
SMCO4	305	122	283	271	216	268
CEP295	2472	1184	2827	2090	1475	1715
KCNC2	0	0	0	0	0	0
TAF1D	4302	2616	5787	3994	3008	3772
ABTB2	83	35	142	50	64	39
R3HCC1L	2867	1651	3765	3099	1997	2012
AMOTL1	358	114	394	391	326	268
HTRA1	108	49	70	47	67	73
LIPC	68	78	122	111	252	44
CEP57	2270	1373	2783	2508	1699	2199
TCP11L2	6731	5272	8381	6014	3741	5171
PASD1	0	0	0	0	0	0
SPRED1	1229	232	666	674	538	771
TMCO5A	0	0	0	0	0	0
GPR176	5	0	2	0	18	0
JAM3	522	336	322	322	818	515
IL25	0	0	0	0	0	0
CMTM5	255	290	354	224	914	158
GLB1L3	38	24	77	58	24	34
ADAMTS1	2	0	0	2	0	0
SVOP	0	0	0	0	0	0
SPATA19	0	0	0	0	0	0
GPT2	109	57	113	81	108	89
AMN	135	67	82	89	59	52
RAB8B	1722	7297	13984	11973	7673	1288
IKBIP	1048	654	1095	834	364	737
RPUSD2	320	201	422	372	139	235
HIF1AN	7532	3931	8645	7445	5115	5852
NDUFB8	1382	628	1359	1207	971	965
ZFYVE19	578	345	911	730	379	510
PPP1R14D	0	0	0	0	0	0
SPINT1	397	189	565	437	307	435
FBN1	66	36	89	89	54	114
AVPR1A	288	311	411	139	470	144
C16orf78	0	0	0	0	0	0
DEPDC4	47	9	34	23	27	9
LRTM2	9	0	0	6	0	0
OPN1MW2	0	0	0	0	0	0
BRD7	3138	2068	5346	3304	2906	2794
CKB	22	31	39	63	42	21
TRMT61A	490	312	779	551	330	372
BTRC	1905	982	1956	1918	1100	1465

POLL	1503	698	1372	1129	1113	1101
BAG5	3333	1788	3352	3376	1931	2335
DPCD	57	33	57	50	29	47
LARP6	0	0	0	0	0	0
API5	3036	1517	3694	3108	1652	4748
ASPG	7	2	5	3	0	0
ZNF319	809	698	1683	1084	453	823
HPS6	850	471	1073	1064	414	671
SENP8	75	42	4	75	31	64
NOLC1	1217	785	1643	1435	1131	1090
ALKBH3	534	247	721	495	296	432
COPS2	3978	2457	4916	4011	2781	3006
GABRB3	0	0	5	2	4	4
SPIC	10	0	0	3	3	0
TBATA	0	0	1	0	0	0
SGPL1	4448	2345	4961	4898	3025	3127
FRS2	2428	569	2649	923	567	687
CCT2	2590	1615	3082	2921	1669	1841
PCBD1	190	83	325	191	128	147
ARIH1	11449	5238	10404	8996	7877	7197
C16orf71	8	8	18	13	4	16
CLMP	13	12	23	19	5	14
SCN3B	0	0	2	2	4	0
COX11	998	396	978	898	495	795
ZNF202	932	652	1098	1021	551	900
FAM227B	152	73	121	169	98	118
STXBP4	1369	704	1539	1431	685	1108
CYYR1	6	16	25	16	43	13
CUL5	5086	2343	4938	4270	3214	3642
MYRFL	33	24	3	47	12	9
WBP1L	4052	2883	5578	4462	3453	2976
BORCS7	1435	769	1348	1376	896	1027
C2	358	49	238	206	134	153
PLEKHF1	617	351	1256	887	225	534
TMEM100	0	0	0	4	0	0
ANAPC16	5824	3017	5479	5629	3208	4001
SMPD1	796	567	658	1159	626	658
APBB1	1726	886	1922	1782	814	1254
SYNPO2L	0	2	0	0	2	0
NUDT13	202	57	211	149	102	113
C11orf65	50	36	53	43	21	49
TRIM44	11876	5325	12985	11600	6928	8642
CCDC182	0	0	0	2	0	0
ILK	3443	2349	5283	3536	5443	2765
TAF10	1229	822	1605	1195	1030	1011
TPP1	4957	2790	5919	5201	5188	3660
DCHS1	1282	457	1527	1063	819	855
NETO1	98	46	52	27	32	20
MSS51	744	353	757	729	521	576
CYB5A	610	301	639	695	215	497
USP54	416	218	487	532	206	263
RAG1	111	40	119	152	27	61
POTED	0	0	0	0	0	0
C11orf74	40	24	62	26	33	51
WDR88	16	6	7	10	3	3
OR10A5	0	0	1	0	0	0
OR2D2	0	0	0	0	2	0
ATP9B	6015	3285	8263	5915	4812	5355

PPFIBP2	1466	579	1478	1630	1130	941
MOGAT2	0	0	0	0	0	2
CYB5R2	21	24	49	13	8	17
SERPINB7	0	0	0	0	0	0
KIAA0355	2433	1610	2906	2670	1729	2403
SERPINB8	677	398	843	796	386	689
TUB	29	7	53	19	4	32
RIC3	1031	607	1148	964	431	1218
LMO1	0	0	0	0	0	0
IDH3A	1914	1036	2358	1748	1218	1362
WDR72	12	0	4	4	0	0
CRABP1	0	0	0	0	0	0
PLD4	953	513	532	787	1076	596
ZMAT1	3920	1830	3490	3167	1863	2860
XRRA1	3277	1113	2272	3457	1179	1719
TRIM66	2239	1173	1576	1951	2300	1599
RNF169	9013	5702	11325	9515	5319	6816
RPL27A	9706	4959	10182	9981	6316	7075
ST5	155	95	82	1384	14	11
CDYL2	1913	803	2050	1671	1397	1438
TMEM130	6	0	4	0	4	2
PRTG	8	7	3	4	3	0
CENPN	163	110	201	157	109	105
AKIP1	234	85	218	153	133	154
ATMIN	3268	1686	4281	3381	2108	2516
C16orf46	25	10	30	13	17	14
TMEM41B	1177	770	1406	1055	774	799
LEO1	499	272	585	520	178	405
ZNF143	1291	677	1555	1151	908	781
TMX3	6544	2978	7355	6187	3654	5128
MFAP4	4	4	4	6	2	2
WEE1	959	727	1573	1080	699	858
MAPK7	740	613	1143	888	544	551
PRKCB	24673	13292	30570	22727	16098	13394
HDGFL3	330	190	572	600	332	409
NDST2	2494	1468	3362	2493	1986	2048
MCM7	2531	1500	3056	2399	1389	1768
CLEC3A	0	0	0	0	0	0
CCDC68	22	2	6	13	31	3
CLEC4E	993	1339	1723	644	946	464
ZNF3	991	594	1140	896	543	1070
CLEC4D	714	560	1182	875	829	1259
ZSCAN21	229	119	271	146	69	200
RIMKLB	542	401	859	778	537	466
A2ML1	0	0	0	0	0	0
BEAN1	3	4	18	16	10	10
TK2	2283	988	1522	2124	1866	1547
TMED3	1905	897	1924	2184	1491	1409
SLC38A8	0	2	0	2	0	0
SEC11C	655	492	1018	867	573	629
CPLX4	0	0	0	0	0	0
GALR1	3	3	4	6	16	2
TMEM135	1257	844	1390	1492	914	1257
IQCD	37	5	24	21	43	24
NDEL1	4660	6189	9246	5425	3835	3343
CENPV	148	116	167	179	81	141
CDH16	0	0	0	0	0	0
RRAD	3	18	6	2	0	2

CIAO2B	354	209	419	284	162	196
CFAP52	0	0	0	5	0	0
HSP90B1	11140	5422	11789	8920	5758	7437
MC4R	0	0	0	0	0	0
BLCAP	4303	2315	4567	4036	2747	3146
SERPINB12	0	0	6	0	4	0
CHRFAM7A	149	85	165	109	120	102
ATF7IP2	2467	1073	2107	1842	1186	1998
MMP10	0	0	0	0	0	0
TVP23A	23	6	19	10	9	5
BEX3	258	188	416	186	611	364
TMPRSS5	72	26	71	66	42	24
COG1	1871	1019	2598	2249	1344	1537
PLEKHA7	104	54	54	28	91	209
ZNF606	901	387	746	717	392	550
ZCCHC18	82	7	111	88	14	82
B2M	201306	144795	301057	227239	107503	150103
ZNF592	4402	4438	5850	6912	5104	5861
CASC4	2120	3273	2353	5036	3569	1589
HTR3A	26	15	8	17	17	10
NNMT	8	12	4	21	7	4
ACSM1	42	12	22	21	15	6
AP1G1	10856	6483	12872	11373	7493	7820
SLFN5	23193	12814	24238	22673	9565	21442
CATSPER2	790	287	619	636	369	528
C16orf45	94	21	179	121	61	54
MARF1	14279	8915	17276	13157	9095	10225
SAAL1	497	256	515	489	268	386
YPEL4	18	26	22	32	30	19
PPIB	3170	1820	4301	3187	2132	2352
LDHC	0	2	0	0	7	0
CIAO2A	823	442	1012	850	1147	1179
LDHAL6A	12	0	15	18	14	2
FAM111A	3948	1802	4135	3895	1868	2830
PCLAF	48	32	44	42	52	28
KIF7	8	9	27	24	19	6
LDHD	147	17	63	37	19	43
PLIN1	10	10	15	26	3	9
PEX11A	128	4	186	132	59	117
TMEM170A	2719	1729	4014	3567	2029	2516
MESP1	6	0	6	0	0	3
ANPEP	2578	3353	6590	4082	2748	2055
SCNN1G	0	0	0	0	0	0
RBPMS2	41	76	83	41	334	31
NAV2	62	49	100	98	36	98
ANKDD1A	178	160	373	190	232	314
GLYATL1	2	0	2	3	0	0
C18orf54	456	175	336	439	311	479
DCTN5	3411	1548	3518	3586	2431	2749
TERF2IP	3082	1805	4131	3232	1953	2526
PLK1	189	47	104	97	122	89
CLPX	2993	1451	3237	2509	1522	2026
GPR182	1	0	16	6	4	5
ZBTB39	1219	612	1658	1529	734	990
CACNG2	0	0	0	0	0	0
TAC3	0	4	2	0	3	0
MYO1A	50	19	40	48	29	27
CHP2	0	0	0	0	0	0

NEMP1	2123	1123	2720	1947	1295	1724
OR4D6	0	0	0	0	0	0
NAB2	440	254	570	355	278	374
VPS39	6822	4149	9143	7108	5118	5327
STAT6	16825	10728	20778	16000	10382	12360
PATL1	2804	2293	4124	2535	2008	2104
ATP23	143	67	144	158	137	224
ELFN2	6	12	20	8	17	11
STX3	1384	2152	2688	1272	845	1489
MRPL16	703	327	975	894	487	559
PIP4K2C	1197	719	1786	1301	788	969
MTMR10	6030	5126	9453	6051	5275	4558
YWHAB	7548	5073	11354	12245	6042	6240
C15orf48	21	65	97	43	26	4
SCG5	18	0	7	18	8	9
GREM1	3	0	0	0	0	0
NYAP1	12	2	14	6	5	14
TSC22D4	2042	1445	2568	1797	1464	1994
MS4A6E	0	0	0	0	0	0
MS4A7	4754	2291	3675	1909	4824	4427
MS4A14	713	452	706	712	652	851
MS4A5	2	0	0	0	0	0
DIS3L	2635	1031	2845	2367	1394	1658
CCNDBP1	4824	3703	6944	5659	3509	3782
EPB42	5	6	10	4	23	75
TGM6	0	0	0	0	0	0
SMAD3	7612	4055	8481	7634	5152	5747
MS4A8	0	0	0	0	0	0
CCDC178	0	0	0	0	0	0
MS4A15	0	0	0	0	0	0
MAP1A	790	761	1040	1029	2262	768
RCCD1	188	112	314	194	117	266
AKTIP	2034	701	1573	1672	619	1283
MAPRE2	5326	1571	6719	2265	4464	3309
EVA1C	494	311	724	543	284	414
TCP10L2	6	3	2	1	0	1
MARS	4535	2922	6379	4796	3254	3390
MBD6	1266	1206	1832	1044	819	894
CNPY4	495	258	412	366	183	372
PDIA3	6013	3907	8545	6081	4486	4021
NUDT21	5701	2659	6315	5462	3596	4840
NAT16	0	0	0	0	0	0
TERB2	0	0	0	0	0	0
NKX3-1	16	68	101	40	33	18
SGSM1	305	164	459	445	163	218
DUSP18	685	591	978	762	560	767
TEF	269	263	523	398	335	333
MEI1	662	475	806	847	577	421
B4GALNT2	0	0	0	0	0	0
PBX3	1151	431	990	889	506	854
GNGT2	263	121	286	260	109	111
PHB	919	558	1252	1156	709	745
SNRPD1	1256	717	1415	1421	791	1017
TTC16	845	495	1321	1959	611	772
SUN5	0	0	0	0	0	0
SAMD14	166	161	233	162	417	71
PIP5KL1	14	14	29	37	37	19
BPIFB6	0	0	0	0	0	0

TMEM92	0	6	4	0	3	4
FAM102A	8660	4909	8388	7267	4844	6235
ACSF2	662	333	696	573	372	483
GOLGA2	1317	1359	2184	1448	1229	1163
TRUB2	789	381	789	888	446	548
COQ4	1329	663	1294	1229	834	1055
SLC27A4	690	399	1033	779	681	587
ANKRD40	0	0	0	0	0	0
URM1	716	399	1108	706	593	489
CERCAM	196	43	587	201	77	88
DOLPP1	276	206	538	363	295	320
CCDC103	2	6	20	29	26	22
ENDOG	168	109	292	205	110	147
TBC1D21	0	0	0	0	0	0
PRRX2	0	0	0	0	0	0
UGT1A6	0	0	0	0	0	0
C15orf39	4386	5529	8216	3873	3064	2991
ISLR2	0	0	0	0	0	0
SP2	873	592	1138	990	654	716
PRR15L	0	0	0	1	0	0
COQ7	487	374	473	387	258	396
GPRC5B	60	28	8	27	12	21
CRK	3124	1747	3599	2833	1899	2406
C16orf92	0	0	0	0	0	0
GOLGA6C	0	0	0	0	2	0
FBXO22	2548	1132	2260	1939	1203	1902
TBC1D2B	7110	4650	9453	7444	5302	5474
NOD2	1346	1099	1947	1055	1394	1363
SNX20	3668	2536	5736	4358	2468	3746
LOXHD1	421	210	105	216	179	462
KATNAL2	36	17	38	34	19	27
HDHD2	1357	504	2032	1817	1240	1521
ZNF91	7375	4456	6765	5263	3083	4380
IGF2	5	2	0	5	8	0
RNF214	693	373	809	545	333	532
CDK12	9534	4762	10909	8710	5666	6940
DPEP2	3175	2448	3522	2218	2089	2308
DUS2	980	720	1608	1039	881	793
POP5	549	312	657	494	310	347
ENGASE	4810	2153	5322	4020	3361	3034
RBFOX3	12	16	20	22	10	15
ATP5MG	1371	812	1692	1482	1103	1129
CD3D	2167	924	2307	1910	1025	1617
TBC1D16	275	105	259	272	167	170
TEPSIN	2343	1604	3788	2609	1758	1642
MYO5B	23	0	38	13	3	15
ART5	0	0	0	0	0	0
ACAA2	1310	944	1638	2044	1139	1230
STIM1	3760	2521	6186	7252	2750	5055
RRM1	1238	651	1638	1331	901	1053
OR51E2	0	0	3	0	0	0
TRIM68	627	324	631	702	330	443
MMP26	0	0	0	0	0	0
OR51B5	17	9	19	15	3	13
OR51I1	13	9	4	2	2	0
OR51Q1	0	0	0	0	0	0
FN3K	116	134	125	125	204	91
PRRT2	47	15	51	40	74	19

ZNF23	243	199	590	473	486	432
IRGQ	1572	2262	4137	2281	1719	1408
ZNF226	2028	557	894	1249	309	929
ZNF180	1126	512	1043	696	275	617
PPP2R3B	788	465	955	720	494	679
ZNF668	312	231	547	359	316	339
ZNF646	1781	1637	2744	2010	1210	1667
VKORC1	407	258	489	450	262	371
GNG8	0	4	3	7	11	0
LPO	0	0	2	0	0	2
CA4	10	82	141	2	8	9
SMG8	1024	412	961	891	505	832
TPM4	9719	9620	14652	9112	20526	11035
RAB8A	2052	1410	4672	3611	3421	2574
GPX4	706	539	988	648	776	712
MIDN	3235	4081	6523	4010	2171	2768
JSRP1	64	33	81	42	30	34
FAM129C	4399	2396	4775	2856	2666	2087
KLHL26	402	264	635	482	266	381
GATAD2A	4640	2811	4897	4779	2964	3018
MVD	730	736	1508	955	692	458
CDT1	60	29	109	36	45	53
TRAPPC2L	524	397	738	708	406	452
ANKRD11	7612	4437	8292	6640	6032	4851
SPATA33	70	110	147	92	63	72
SGK494	1492	738	1356	1338	1060	932
PROCA1	142	77	170	151	84	107
RPL13	25421	14754	27526	21895	13903	19510
ZNF641	4983	312	1759	4437	2948	4339
LALBA	0	0	0	0	0	0
CACNB3	125	77	160	194	122	113
DHRS13	531	409	890	639	327	394
TP53I13	1164	616	1680	1597	809	978
KMT2D	21698	14688	29601	21934	14234	15733
CORO6	77	53	108	77	35	72
RHEBL1	67	73	71	123	46	32
TUBA1A	1556	3641	5072	2058	987	2658
TUBA1C	1208	1432	2692	1712	2841	1408
ZNF610	65	14	114	34	51	39
ZNF528	1548	501	1140	1096	585	959
ZNF701	2435	1491	3020	2547	1171	2257
SERTAD3	607	630	1035	896	636	543
NCKAP5L	1533	1204	2227	1645	1376	1292
RAB4B	1399	792	1767	1548	875	1017
AQP2	0	0	0	0	0	0
GPD1	6	18	23	8	14	12
PROSER3	497	241	474	499	201	352
CYP2S1	149	53	209	159	209	157
AXL	40	31	52	93	41	65
NFKBID	1046	1745	2773	983	1071	684
TMC4	5	38	103	71	26	35
ANKRD33	0	0	0	0	0	0
LAIR1	3699	1545	4912	3766	2204	3034
TTYH1	38	4	23	13	11	4
LENG8	9554	5611	11530	8807	6449	7023
CDC42EP5	0	0	0	0	2	0
LAIR2	129	22	340	197	58	79
TMEM145	0	0	0	0	0	0

ZNF526	796	432	1009	911	596	690
TRAPPC9	4328	2663	5474	4404	3448	3062
KIR3DL1	161	62	193	280	217	66
NLRP7	18	10	30	27	42	18
ZNF146	427	192	597	362	454	1312
ZNF283	836	389	898	711	279	658
PPP1R14A	50	28	33	22	40	22
SPINT2	698	756	1366	607	1264	865
C19orf33	77	73	39	36	118	30
YIF1B	542	314	650	484	483	450
DNAAF3	7	0	0	0	33	0
PSCA	13	0	16	5	0	4
ATCAY	0	0	0	0	0	0
LY6D	0	0	0	0	0	0
DAPK3	586	552	1120	1023	449	612
EEF2	60037	37717	72940	56579	46000	50564
TMIGD2	325	160	151	185	141	145
CHAF1A	575	349	965	537	458	493
UBXN6	960	703	1550	920	840	1049
HDGFL2	812	383	888	616	488	571
PLIN4	50	267	346	42	64	20
SEMA6B	13	64	93	11	127	8
ZNF444	717	379	1075	772	523	811
NXN	37	14	59	22	25	27
FAM57A	34	28	57	26	20	21
GLOD4	1705	943	2071	1808	1133	1599
MFSD3	161	73	204	97	79	102
GPT	30	14	23	16	16	17
KIFC2	925	540	1350	990	715	714
SLC43A2	5414	5165	6919	4420	4556	3687
RILP	149	97	198	135	108	105
SERPINF2	106	43	33	110	46	44
WDR81	4454	2391	6430	4568	3217	3240
SRR	274	89	262	209	140	166
TSR1	1970	1178	2267	2109	1185	1443
TRPV3	85	69	158	108	83	79
HSD11B1L	36	32	62	46	25	23
CYB5D2	301	194	351	260	227	234
GGT6	0	0	0	0	0	0
C19orf48	448	212	407	419	207	194
KLK1	23	21	19	11	55	7
KLK4	0	0	0	0	0	0
KLK2	0	0	0	6	0	0
KLK5	0	0	0	0	0	0
KLK6	0	0	0	0	0	0
KLK11	0	0	0	0	0	0
KLK13	0	0	0	0	0	0
ZNF83	4039	2297	5992	4052	2529	4179
KRT80	3	0	0	13	3	0
KRT1	2	6	6	2	0	0
ACER1	32	34	35	44	28	23
OTUB1	1651	1006	2124	1725	1076	1160
RCOR2	16	2	11	0	0	1
ANGPTL4	6	3	9	7	0	0
AC010323	0	0	0	1	0	1
CD320	268	180	422	648	257	418
SPRYD3	1945	1208	2446	2296	1143	1593
IGFBP6	9	4	10	8	6	0

SOAT2	38	23	35	46	11	39
ZNF558	1712	756	1382	1370	849	1193
CABP2	0	0	0	0	0	0
NDUFV1	1549	1049	2466	1767	1355	1372
CDK2AP2	687	219	512	435	251	278
NUDT8	24	3	41	24	13	18
TBX10	3	0	2	0	2	0
AC011511	23	9	8	38	9	38
PRDX2	756	300	815	627	383	539
OR8J3	0	0	0	0	0	0
OR5I1	0	0	0	0	0	0
ZNF232	128	67	203	206	106	115
MIS12	1460	784	1606	1500	311	1141
CD300C	1108	375	972	782	661	625
CD300A	3481	1677	4509	2123	1837	2001
TEKT1	0	0	0	0	0	0
HID1	111	60	136	96	52	92
MRPL58	223	107	239	183	115	192
ATP5PD	1030	517	952	959	564	843
TMEM88	71	68	121	47	0	45
EVPL	45	8	12	13	7	8
SRP68	2179	1069	2409	1935	943	1738
MGAT5B	5	15	2	2	0	2
TMC8	7887	4093	9436	7507	4364	5694
TK1	76	30	79	58	25	42
TMEM68	993	446	1130	876	496	739
CYP7A1	0	0	6	0	0	0
GSDMA	7	12	21	11	36	3
KRT24	0	0	0	0	0	0
TMEM99	96	62	147	99	40	84
GHDC	620	433	617	707	407	478
FAM234A	920	450	1080	283	330	632
SOST	0	0	0	0	0	0
ZNF598	1132	748	1629	1128	906	771
RAB26	2	2	6	9	6	7
MLST8	329	282	317	306	168	191
E4F1	1296	890	1968	1490	970	1000
DNASE1L2	45	28	76	38	30	36
ECI1	373	229	587	454	337	285
CASKIN1	18	20	34	10	13	26
ABCA3	557	322	756	606	441	419
KCTD5	1242	828	1745	1240	1007	920
SRRM2	36914	17383	49592	26226	25512	18065
ZNF597	626	321	791	433	304	471
NLRC3	8751	4975	13620	11611	5602	7198
SDHAF2	1366	844	1980	1407	463	761
DDB1	7815	4064	8925	8177	5733	5977
VPS37C	1015	796	1540	799	898	773
VWCE	28	10	21	21	7	15
RAB3IL1	4	4	5	0	5	0
BEST1	1014	1330	1743	769	593	541
FTH1	14955	16164	27027	16024	20622	14788
BSCL2	724	374	660	754	422	241
POLR2G	1227	812	1643	1638	962	1011
SLC3A2	1701	1277	2894	2484	1364	1428
HRASLS5	18	3	42	51	16	16
SPINDOC	208	139	339	215	166	125
ATG16L2	10793	10868	15946	9572	8539	7933

C2CD3	3684	2014	4734	3739	2470	2702
TRANK1	14348	12599	18823	18424	8344	10038
TTC21A	689	294	560	430	428	313
RPSA	27242	15033	31024	23218	19663	21765
ENTPD3	4	0	0	3	3	0
CTNNB1	10498	8626	16532	14846	9234	8705
ULK4	2167	908	2593	1944	1608	2103
FADD	650	409	711	547	332	583
LTBP3	3778	1870	3313	3014	1509	2069
NAALADL1	129	115	192	205	85	99
SAC3D1	84	54	78	92	65	67
BATF2	51	32	90	45	40	47
SLC22A11	0	0	0	0	0	0
SF1	13064	10888	21006	15064	10624	9931
MAP4K2	3160	2473	3914	3384	2830	2950
MAJIN	4	7	13	8	7	2
CCDC88B	6462	4534	9652	6644	4363	4438
SCARA3	0	0	0	0	0	0
PBK	19	8	32	7	18	2
SCARA5	1	10	15	26	9	4
PNOC	114	70	126	78	73	58
COPS6	937	570	1440	1271	810	855
PAFAH1B2	5822	3699	7502	5783	4234	4303
ANKS3	697	434	830	620	550	587
NUDT16L1	689	500	428	825	533	585
KIAA1586	1017	555	1129	832	561	796
RAB4A	803	1013	782	715	1705	738
OR1F1	0	1	2	1	0	2
OR2B2	1	0	0	0	0	0
KCNJ4	2	0	0	0	4	0
SETD5	5976	3080	9246	7314	4575	4399
VASN	70	25	89	36	40	36
FAM83B	0	0	2	0	0	0
HIST3H3	4	0	0	0	0	0
THAP9	66	219	147	313	209	33
OR2C1	25	7	4	16	8	12
RNF187	744	386	1093	746	510	637
HOOK3	13081	6195	13229	12120	8782	10331
MAPK1IP1	6294	3622	7495	6829	4215	5006
DDIT4	1865	1734	1928	2829	1909	777
RBPJ	4890	1682	7378	5715	1398	2485
LMBRD1	3964	2875	4795	3622	2765	3313
ZCCHC4	1031	467	1298	1011	643	780
PTGDR	2414	764	3037	4102	1220	1312
TTC39C	6786	3100	7582	6293	4174	5877
GLYCTK	737	546	951	1225	504	513
GNG4	3	5	3	4	0	0
UBTD2	679	294	569	508	391	422
POLR2J3	811	711	3112	1095	1136	827
NKIRAS2	1048	572	1128	1015	834	879
DNAJC7	3319	2197	5228	4038	2733	2714
KCNV2	2	0	0	0	0	0
IRF2BP2	7296	4325	10930	7672	6475	7849
PTF1A	0	0	0	0	0	0
NT5DC2	143	104	201	120	155	84
FOXI1	6	5	0	10	4	0
SMIM4	44	45	96	94	48	98
COA6	267	160	301	207	114	163

KIF5C	475	394	663	522	406	778
MGAT2	2082	1043	2247	2234	1176	1673
BMI1	2937	767	1948	3042	1298	1707
THAP11	1579	739	2024	1760	1064	1091
MMADHC	2760	1779	3665	3135	1924	1938
PDHB	2107	1161	2515	2533	1489	1536
PXK	2618	1676	3665	2488	2409	1907
HIST1H1E	3089	1297	3835	3032	1753	1783
PCMTD1	6583	3594	6508	5144	4493	4886
KCTD6	397	208	353	347	228	351
MPLKIP	1149	486	1118	794	491	812
ACOX2	0	0	6	4	6	6
FAM107A	0	0	0	0	0	0
IRF2	3665	2525	4670	3399	2230	2606
MOBP	3	0	0	3	0	3
CX3CR1	15802	4774	20127	16312	5922	8995
PPDPFL	0	0	0	0	0	0
XIRP1	3	0	2	0	0	0
INSM2	10	4	0	0	0	0
DEGS2	245	40	201	121	68	72
SCN11A	5	4	8	16	13	12
ARF4	1697	962	2332	1591	1835	1496
2-Sep	7728	4119	9016	5270	6343	5974
FILIP1L	35	27	34	24	18	15
MFSD2A	252	232	683	324	476	241
DTYMK	402	186	555	374	286	238
TAP1	6823	5497	11893	7441	5098	5762
ING5	2342	975	2449	1828	1552	1677
ATG4B	2167	1357	2913	2495	1525	1543
BDKRB2	9	0	0	0	0	0
MLKL	1801	1555	3246	1728	1684	1953
RFWD3	2155	1341	3355	2549	1368	1849
MTNR1A	0	0	0	0	0	0
KCNG4	0	0	0	0	0	0
RHOH	3099	1959	6623	5841	3344	4281
KLHL30	28	20	48	4	10	16
COG7	1258	585	1426	1315	760	913
CDC40	2996	2145	4449	3925	2578	2924
STIP1	1514	993	2127	1538	916	1105
SCNN1B	4	0	0	0	0	0
HR	2	0	0	0	3	0
TXNDC2	15	14	15	28	4	5
RAB31	8238	6519	2635	8193	7893	6893
REEP4	801	423	1167	922	505	651
TNXB	204	191	351	264	338	287
LGI3	0	0	0	0	2	0
SFTPC	0	0	0	0	0	0
BMP1	328	129	359	300	192	155
ATXN2L	5415	3908	7599	5875	4223	4216
PHYHIP	0	0	0	0	0	0
CCDC110	6	0	15	0	0	2
POLR3D	1594	962	2486	1907	1254	1396
FEN1	306	190	388	355	174	233
CAVIN2	8686	10701	17449	8602	26869	8777
MTCL1	112	76	81	65	58	47
GBX2	0	0	0	0	0	0
HJV	0	0	2	0	0	0
SCGB1D1	0	0	0	0	0	0

HEXIM2	70	57	191	61	62	50
FNTA	3880	2024	5151	4210	2279	3372
SERINC2	92	53	73	41	51	23
MYL1	0	0	0	0	0	0
TRAPPC11	4963	2444	6221	5090	3150	4067
CHRM1	0	0	0	0	0	0
COL3A1	2	0	2	0	0	0
GFRA2	237	41	178	114	163	136
ING2	37	42	71	52	26	70
CDKN2AIP	1474	873	1640	1589	970	1243
SNRNP48	2065	1218	2697	2054	1225	1828
TMEM223	269	116	327	283	93	178
SLC20A2	1400	846	1902	1584	975	1338
CRYGA	0	0	0	0	0	0
DYNLRB2	10	0	0	2	0	5
TMUB2	951	721	775	611	754	744
ADAM29	8	0	2	2	8	8
STAT3	11617	9231	18237	12045	8835	8059
ZSWIM1	304	199	307	261	234	225
ADAM9	1638	1124	2180	1459	2206	1413
ADAM18	0	0	0	0	0	0
GDNF	0	0	0	0	0	0
MUCL3	0	0	0	0	0	0
WFDC13	0	0	0	0	0	0
AXIN2	605	379	653	619	270	514
NDUFS5	214	121	186	208	135	174
VWA3B	2	0	0	0	0	0
ZNF30	116	77	293	193	54	183
UGT3A2	3	3	0	6	3	6
FAM84B	751	668	1571	1401	370	907
LDLRAD4	4164	2085	3133	3851	2791	3219
KCTD19	0	8	2	9	15	10
SLC16A4	44	20	61	36	54	18
IL7R	51479	25826	44196	39251	15335	45890
TMEM208	395	241	646	509	246	216
LRP1B	111	10	24	63	45	16
WFDC12	0	0	0	0	0	0
AHCYL1	3640	2002	4308	3818	2641	2919
DNAJC21	2030	933	2657	2093	796	1315
PKIG	288	180	440	239	364	249
NPNT	0	0	0	0	0	0
CA7	0	0	0	0	0	0
FAM178B	29	8	25	15	7	0
TSPY2	0	0	0	0	0	0
SEMA4C	1483	1025	2380	2077	937	1126
CNNM3	1494	1502	3145	2706	1690	1104
GSTM4	129	246	134	121	531	229
TET2	13548	10134	16905	11953	9007	10074
CXXC4	86	55	227	86	77	66
TCTN2	412	177	488	318	176	264
SHOX2	4	0	4	0	0	0
PPIP5K1	1223	670	1596	1338	881	824
TSPAN5	795	469	1082	882	581	749
ABHD15	1725	846	2456	2408	1353	1431
ZBTB5	1059	689	1410	1079	814	872
CHTF8	394	176	392	419	421	499
ADAL	332	88	389	298	156	267
LCMT2	554	346	502	456	344	393

SNTB2	3677	2337	5075	4960	2552	2987
IL12A	64	34	80	87	30	37
ZNF507	5013	2245	3451	4453	2468	3482
STX18	1325	611	1428	1291	1078	931
NSG1	462	321	576	1073	286	645
ZBTB49	481	197	308	232	212	333
GFM1	3479	1583	4029	3154	1874	2636
OR13J1	0	0	0	0	0	0
HTR1E	0	0	0	0	0	0
FSTL5	0	0	3	0	0	0
DDX19A	1443	1071	2283	1598	1235	1300
ATOH8	8	49	63	80	70	6
SOX14	0	0	0	0	0	0
ANKRD49	1121	1119	2368	786	848	883
SFTPB	0	0	0	2	6	1
USP39	1474	950	2033	1607	1160	1312
TNIP2	915	599	1418	918	696	788
C2orf68	2575	1517	3329	2773	1493	2450
TMEM150A	285	170	307	246	247	181
RNF181	439	295	503	420	288	330
VAMP5	328	131	389	353	217	231
BTNL3	19	123	3	0	17	0
LRRC28	1056	463	1280	727	524	596
MAT2A	8862	4955	10672	9733	6725	7221
PLA2G4F	4	2	0	2	0	0
ENHO	75	14	97	59	38	23
ZNF608	155	166	264	129	102	82
SLC35G2	24	23	34	81	32	20
INPP5D	14522	10332	22439	19796	13970	10649
LETM1	2952	1559	4301	3529	2233	2089
CTRB1	0	0	0	0	0	0
CTRB2	0	0	0	0	0	0
TRIM49	0	0	0	0	0	0
TMEM129	944	518	1136	843	801	661
PPIC	3	0	0	0	4	0
SPRY3	461	315	615	474	373	398
CEP120	4164	2069	4431	3997	2328	3287
STXBP6	8	3	25	28	3	19
TM4SF20	0	0	0	0	0	0
MFF	1935	1219	2369	1661	1318	1438
GRM5	0	0	0	2	0	0
LGALS9	3379	1449	3687	2418	2784	1946
JMJD7-PLA	1839	1133	2191	2251	1015	1606
CPLX1	7	7	0	3	4	4
PXDC1	67	56	107	67	137	49
SIGLEC7	532	281	600	728	365	456
NTSR2	0	0	0	0	0	0
E2F6	357	258	434	456	295	323
FEM1B	5498	2750	6304	5670	3292	4245
COMMD8	594	230	565	637	369	486
ATP5ME	129	60	152	133	77	74
UQCRFS1	1822	1163	2765	2602	1488	1419
SLC49A3	431	196	481	368	312	213
COL4A3	519	246	382	206	630	443
MAP2K1	4028	2242	5039	4410	3113	3064
KLK7	0	0	0	0	0	0
HNRNPH1	23385	14202	29224	28677	16774	17659
IRS1	494	331	766	375	471	516

MECP2	10542	6765	12725	10869	7366	7829
VCX3A	0	0	0	0	0	0
UPF3A	2025	1341	3243	2781	1555	2337
ZBBX	2	0	6	0	0	0
ACTBL2	0	0	0	0	0	0
ROR2	46	7	51	7	32	7
AR	81	96	155	119	138	75
DHRSX	1019	595	1337	982	757	631
VXN	60	4	16	22	6	17
HSPBAP1	3047	1965	3176	2830	1953	2375
ASMTL	1036	531	1227	1129	629	606
SLC25A6	9428	4476	9321	7657	5850	6328
CHST14	428	231	571	438	253	284
PARM1	448	150	203	132	161	150
CSNK1G1	3637	2111	2801	2457	2681	2656
FAM110B	98	4	117	67	85	101
ARMC4	4	4	2	7	4	8
AFAP1L2	170	93	376	215	114	156
ZNF354A	918	425	796	731	354	621
ATF5	289	219	502	349	241	248
UBE2V2	1882	581	1274	1154	1003	1045
GOT1L1	0	0	0	0	0	0
ZBTB43	858	389	914	2492	550	405
CPT1C	5	2	10	8	0	3
PCSK9	0	0	0	0	0	0
XPO6	11454	13712	18818	10768	7437	7606
GSG1L	4	1	7	0	2	0
MN1	73	61	145	72	63	42
APEX2	767	318	784	747	384	570
NSMCE1	711	314	643	628	326	414
CCDC126	512	624	739	773	445	622
IL13	0	8	5	17	0	8
NPIPB12	513	526	1674	1167	400	752
OR10G3	2	0	0	0	0	0
RAB3B	0	0	5	4	0	0
OR6F1	0	0	0	0	0	0
CD2BP2	3058	2045	4544	3514	2314	2201
RSPO1	0	2	0	0	0	0
RGS14	2477	1917	3493	2559	1518	2223
TBC1D10B	3052	2242	4790	3195	2233	2289
LMAN2	1842	1026	1881	1358	1001	1073
GCSAML	352	431	924	811	429	255
RAB24	799	659	1213	814	651	618
PRELID1	2039	1527	2880	2218	1860	1370
THBS3	899	604	1085	697	512	607
CA5B	2753	1872	2867	2566	1415	3053
SLC50A1	567	379	825	383	637	508
EFNA1	10	10	21	19	4	16
CXCL10	150	55	258	145	157	81
NPIPB3	3362	1212	4200	3232	1649	2314
SH3TC2	319	348	671	412	962	247
CXCL11	4	4	12	8	4	4
ZRSR2	650	522	723	616	404	720
NMD3	2357	986	2863	2350	1534	2070
ADRB2	2364	982	2503	2568	1014	1410
B3GALNT1	35	41	61	59	32	75
GPRIN1	36	60	110	74	89	62
HSPB3	0	0	0	0	4	0

KCNAB1	8	0	23	3	12	7
MRPL1	526	205	483	464	285	308
SHE	0	4	18	11	18	14
NR0B1	0	0	0	0	0	0
PGM2	2102	1220	2642	2081	1184	1467
STK32A	0	1	0	0	0	0
IL1RAPL1	0	0	3	0	0	0
P2RY12	355	347	647	431	936	417
C22orf15	5	2	13	10	5	13
OR5AU1	0	0	7	4	0	0
KIAA1024	105	47	98	206	65	108
PDILT	0	0	0	0	0	0
UMOD	0	0	0	0	0	0
GP2	0	0	0	0	0	0
SLC33A1	2107	956	1956	1991	1603	1736
SNUPN	594	321	780	687	291	576
CRADD	544	257	596	574	302	385
SIN3A	7273	4332	9354	7735	5242	5650
ARL13B	394	133	309	266	116	191
RNASE2	228	68	255	112	118	146
ELSPBP1	0	0	0	0	0	0
RNASE3	42	10	72	10	46	43
PTK2	1488	889	1765	1113	1846	1228
RSPH10B2	23	7	5	9	0	5
PTAFR	6149	7605	9451	7276	4419	3716
PTPN9	2721	1211	3443	3187	1982	2311
RNASE6	1309	626	1303	831	812	712
NPR1	0	0	0	0	0	0
KCNK9	0	0	2	3	0	3
CXCL8	1442	34099	24963	2273	1964	412
SCN9A	312	328	364	466	477	348
RASSF6	89	62	156	59	68	51
COL22A1	0	0	0	0	0	0
SDC2	22	62	37	19	16	6
CD52	2410	1979	2278	2781	1510	2620
MMGT1	3478	2181	4448	3744	2784	2959
SPRR1B	0	0	0	0	0	0
SPRR1A	0	0	0	0	0	0
OR4K14	0	0	0	0	0	0
OR4K15	0	0	0	0	0	0
TM2D2	529	362	660	744	638	593
HTRA4	65	40	35	45	14	42
PLEKHA2	13836	5144	10862	8966	5587	9497
CLIC4	3547	2555	3756	2978	7062	2583
SLC38A11	231	145	204	76	23	119
GPR183	3299	1591	3006	3100	2018	2744
CRCT1	0	0	0	0	0	0
CCDC8	0	0	0	0	0	0
METTL15	1499	398	1287	1452	424	1094
ZNF280A	0	0	0	0	0	0
MUC15	0	0	0	0	0	0
CT55	0	0	0	0	0	0
ZEB2	48087	21603	71632	44284	36273	30814
GJB1	2	0	2	0	0	0
PCBP1	11460	7212	15110	11680	8096	8238
HINT1	1531	914	1913	1764	1141	1253
DTWD2	1096	390	908	852	434	671
VPREB1	0	0	0	0	0	0

CLIC3	289	107	459	459	144	127
INO80E	964	529	1294	1012	545	832
BNC1	0	0	0	0	0	0
DFFB	724	432	1074	908	470	452
NFU1	386	143	338	297	218	234
ANTXR1	5	2	0	0	0	7
GKN1	0	0	0	0	0	0
CKAP2L	22	23	70	17	32	34
C15orf40	1731	635	1290	1053	645	1216
RAMAC	556	424	798	707	358	468
PROKR1	8	2	6	6	4	5
APLF	475	324	524	442	412	469
BOLA2B	260	150	222	204	144	175
RGPD8	1733	1200	2302	1878	1220	1725
HIC2	1099	848	365	1141	842	563
LUZP1	2541	1481	3552	3183	1814	2396
HEXDC	1600	775	1882	1565	1031	1037
DRD5	2	0	0	0	0	0
BUB1	200	101	258	179	142	128
SPNS1	1341	645	1821	1360	1128	979
LRRC45	369	189	482	358	211	310
CHRNA5	35	2	10	27	50	15
MT1B	0	0	0	0	0	0
CENPX	156	122	185	172	83	152
AGPAT2	556	304	711	452	359	385
ASPSCR1	1170	544	1554	1223	737	1050
GP9	119	270	296	110	439	140
FASN	2879	1651	4553	2623	2062	2104
CNBP	3902	3846	9743	8364	4675	2851
MT1E	8	8	12	17	28	17
ACTRT2	0	0	0	0	0	0
DUS1L	1618	933	2260	1738	1158	1358
GPS1	1423	743	2069	1701	1065	1117
RFNG	440	244	612	524	429	268
DCXR	423	222	614	479	330	261
ZNF32	619	281	780	563	272	427
LDB2	96	101	36	94	49	47
RAC3	11	14	17	12	10	22
NRG4	17	2	18	12	3	4
LIMS1	4056	7253	4923	7742	7194	7255
TMEM266	18	0	8	9	3	4
NLGN1	16	6	48	12	16	20
TAPT1	2899	2014	3348	2436	1778	1836
UGP2	4830	2528	5812	5143	3438	4202
TAS2R1	0	0	0	0	0	0
LINGO1	0	0	0	0	0	0
PRY	6	0	20	13	0	0
RBMY1F	0	0	0	0	0	0
PRY2	0	0	0	0	0	0
HNRNPF	8038	4346	9556	7904	4854	6456
BTD	1372	819	1696	885	969	1032
CSGALNA(	7532	4554	9655	6735	5663	5662
TACR3	0	0	0	0	0	0
GSX1	0	0	0	0	0	0
PCDH7	0	0	0	0	0	0
ROBO1	286	49	86	114	86	135
ONECUT1	0	0	0	0	0	0
AVEN	350	154	442	380	250	217

P2RY1	734	520	894	627	1200	404
CTNND2	6	11	9	7	15	3
TRIM56	5185	2772	4752	3895	2507	4610
MUC17	0	0	0	0	0	0
AHSP	2	0	0	2	0	20
WNT10B	238	144	322	343	163	159
CALML6	30	3	22	28	8	11
REPS2	567	694	1077	223	227	288
MUC3A	2	0	3	0	0	0
SYAP1	1989	1725	2359	2207	1521	1618
ITGAM	9794	6455	15338	11884	7056	7899
PYDC1	0	0	0	0	0	0
TPST1	229	360	351	261	140	127
TM4SF4	4	0	0	0	2	0
TOR1AIP2	6194	4267	8765	6493	4103	4685
S100G	2	0	0	0	0	0
TM4SF1	0	7	2	10	14	2
OTUD3	1509	1035	2175	1707	1009	1326
OTUD7A	481	95	188	273	196	235
GUSB	1441	919	1730	1557	1093	1105
BRD3	3134	1702	4018	2972	2219	2375
KLF13	22511	13695	30603	26050	17557	16943
FRMPD4	0	0	0	0	0	0
ZFPM2	9	23	12	3	5	3
ZNF764	517	332	577	525	219	463
HSFY2	0	0	0	0	0	0
ZNF747	797	364	744	647	335	449
ZNF768	246	205	352	242	240	239
TAS1R3	120	60	80	132	87	94
TMEM42	548	276	502	503	327	446
MAP3K2	17178	11777	21836	16891	12282	13215
PUSL1	202	119	242	228	103	150
SF3B5	811	621	1061	872	458	524
ZNF35	92	70	210	383	230	239
TIGD4	10	12	29	5	2	5
IFFO2	3191	2045	4325	4518	2091	2823
NLGN2	241	150	167	141	75	189
MYO7B	203	135	210	150	141	141
CHD3	14508	7913	19098	14503	7556	10080
TMEM154	11176	13296	16992	9221	7435	7402
MYRIP	7	0	0	2	0	2
ALCAM	1714	1037	1570	1315	1020	1326
YWHAG	5365	2765	6253	4175	3491	3740
UBE2E3	1298	998	2072	1613	1557	1155
CNTROB	690	539	960	654	731	609
TRAPPC1	1469	930	2024	1650	1764	1183
ZPLD1	3	0	0	2	0	0
KCNAB3	411	186	462	348	228	199
SERPINA9	0	0	0	0	0	0
FAM153A	1012	525	943	1188	796	2102
GPR37L1	8	5	22	8	5	8
SIMC1	632	355	821	640	373	489
TMEM192	1527	663	1601	1432	912	1109
NSG2	0	2	0	2	14	0
SPDYE5	6	6	13	7	0	10
SERPINA6	0	0	0	0	0	0
ZNF778	726	413	143	886	499	614
NIPA1	225	690	253	290	156	181

FOXD4	4	6	6	3	3	9
GPR25	41	19	48	16	33	27
UBE2E1	2186	1128	2763	1920	1489	1721
HNRNPA3	20198	13333	26622	22262	16079	15916
SIK2	2490	1321	2972	2564	1944	2013
RNF150	7	0	0	4	10	4
CCDC144A	60	25	124	237	133	47
VGLL2	0	0	0	0	0	0
HOXD4	0	0	0	0	0	0
CHRNB1	238	152	368	234	148	190
HOXD12	0	0	0	0	0	0
GYPA	0	0	8	2	8	12
USP38	4244	2625	5752	5064	3147	3417
SLC16A5	515	438	921	561	560	571
NANP	395	218	517	451	232	259
ANKK1	47	27	53	44	36	47
ADRA1B	0	0	0	0	0	0
ADPRM	997	563	1078	992	580	505
FABP6	0	0	2	2	0	0
PWWP2A	2533	1487	2530	2402	1269	2010
USP50	41	16	13	24	16	23
USP47	6553	4034	7201	7935	4019	5256
PDCD6IP	7122	3533	10347	7586	4254	6031
MRGPRX1	0	0	0	0	0	0
ZNF212	743	424	679	868	380	644
MRAP	9	2	10	0	0	0
FAM161A	142	48	128	78	62	94
ZNF282	968	468	1039	836	420	646
GLB1	2492	1377	2932	2545	1871	1866
GON7	267	143	272	279	191	249
FAXDC2	524	716	1236	725	2473	661
CRTAP	6599	3243	7986	6497	5443	5253
HSPB2	2	0	0	0	0	0
C7orf33	0	0	0	0	0	0
CNGB3	0	0	0	0	0	0
SLN	0	0	0	0	0	0
ELP5	500	383	704	444	369	516
CMTM8	21	24	119	40	72	66
GABARAP	4398	2812	5548	4143	3591	3275
LGALS9B	129	108	441	509	146	69
STX8	723	413	967	704	420	581
CDK1	80	16	116	78	54	53
UBB	3559	1878	4007	3390	1942	2304
NFRKB	2857	1800	3840	2949	2305	2459
FABP4	0	0	0	0	0	0
FRMPD2	0	0	0	0	6	2
PRDM10	1446	755	1654	1397	421	1013
B3GNT2	2128	1765	3761	2313	1614	1558
FOS	3849	9710	11015	10821	3300	6074
TMED10	9784	5126	11085	11099	6766	7512
SETMAR	335	186	413	353	153	238
SMAD1	291	114	293	249	204	373
CST5	0	0	0	0	0	0
CST2	0	0	0	0	0	0
EMX2	0	0	0	0	0	0
CST1	0	0	0	0	0	0
SP7	3	0	7	0	0	0
TCAF2	958	461	1102	924	559	630

SEMA3E	0	0	0	0	1	0
LRRN2	54	37	65	24	23	26
SLC30A1	2774	1639	2761	2477	1942	2995
DCLK2	29	27	38	40	50	34
ZNF804A	178	54	176	122	107	104
GPRC5C	24	11	15	20	30	14
TMEM182	205	86	119	223	122	89
VSTM2A	0	0	0	0	0	0
KRT8	2	11	14	6	18	0
KRT78	0	0	0	0	0	0
ADORA2B	97	54	101	93	110	62
SDR9C7	0	0	4	0	0	0
MGMT	793	455	993	785	535	632
METTL7B	0	0	4	0	0	0
KRT86	66	21	31	27	10	11
HARS	2218	1134	2468	1993	1124	1471
NFXL1	2176	1388	3125	2002	1527	1804
KRT75	0	0	0	0	0	0
DENND5B	1538	541	1145	753	1199	696
CD14	6447	3145	6841	4736	3496	4479
DNAJC18	273	139	305	387	207	169
KRT6C	0	0	0	0	0	0
RIOX1	754	475	1009	1003	277	648
SPATA24	45	22	56	49	24	44
RALGAPB	9930	5776	12169	10338	6245	7425
PYM1	456	259	529	309	225	429
MZB1	309	180	323	132	223	165
KRT4	0	0	0	0	0	0
SLC23A1	78	16	38	27	38	28
KRT74	38	14	48	14	4	0
NPAS2	263	103	168	119	76	42
KRT72	1296	499	928	243	265	27
KISS1	0	0	0	0	0	0
LONRF2	0	6	32	14	4	8
NUDT9	203	136	408	342	135	319
HSD17B13	92	60	92	130	86	72
PA2G4	1852	929	1736	1655	991	1329
COX7B2	0	0	0	0	0	0
ELOVL6	647	417	1065	777	415	534
KRT83	0	0	0	0	0	0
PFKFB3	1683	2272	3374	1521	1445	982
TMC7	0	2	0	0	5	0
ARL6IP1	5974	2596	6807	7468	4830	4673
SERPINB9	10134	3846	11045	8238	5407	6740
SMAGP	180	89	201	307	179	64
IRX1	0	0	0	0	0	0
CDH2	11	53	44	21	15	14
IRX2	0	0	0	0	0	0
EMB	14161	8464	18871	14313	9170	12180
SIX2	0	0	0	0	0	0
DLGAP1	13	0	43	8	22	45
STAT2	8443	5643	14680	10654	8289	7697
NUDCD2	871	366	818	760	532	655
IRF2BP1	771	418	816	737	431	461
OR9K2	0	0	0	0	0	0
HSPA4	3752	1777	3997	3442	2176	2794
FOXA3	0	0	0	0	0	0
FAM71B	0	2	0	0	0	0

SLC26A5	0	1	5	6	0	13
COMMD5	537	326	426	442	242	336
SGCD	418	69	712	347	152	211
GTSF1	49	47	85	63	54	70
ZNF16	231	116	317	337	121	176
ARMC10	1234	764	1208	1575	726	1227
RNF34	2770	1753	3850	3168	1671	2366
ACYP2	597	322	682	577	416	380
TRABD	1957	1218	2939	2223	1227	1422
ATF7	4200	2143	4682	3873	2697	2988
RASA4B	588	716	2858	1757	1869	701
SOCS6	636	265	685	553	360	424
CAVIN4	18	7	25	31	35	50
OR10A3	0	0	0	0	0	0
ZNF296	72	68	124	81	53	70
HOXB9	12	0	9	10	2	4
TTLL6	0	3	0	0	0	0
POLH	1380	546	1309	997	705	1040
SYT9	0	2	11	0	0	0
KCNS3	0	0	0	0	2	0
RBMXL2	0	0	1	0	0	1
KIF5B	9199	5413	11121	9058	5748	7381
GPR37	0	0	0	0	0	0
AKAP13	22734	17595	39794	33417	15870	17021
TPD52L3	0	0	0	0	0	0
CDCA4	510	376	850	665	435	454
OR10A4	0	0	0	0	0	0
SDR16C5	25	14	0	4	7	15
DYDC1	0	0	0	0	0	0
OR10A2	0	0	2	0	0	0
CHCHD7	1633	928	1812	1554	991	1304
HTRA3	4	2	19	8	4	0
FOXN2	7778	4068	9024	7622	4607	6679
LMOD2	0	3	2	0	0	2
BFSP2	2	3	3	2	0	1
FSHR	0	0	0	0	0	0
USP32	6473	4896	8624	5361	3615	4469
CEL	23	17	18	13	27	26
PPM1D	1510	1017	2072	1570	936	1249
GPR27	103	231	566	157	206	127
AC093323	813	460	1060	864	520	820
PSG6	0	0	0	0	0	0
KBTBD2	4309	3454	6170	4971	3126	3648
RIOX2	1411	668	1354	1104	900	1236
TRIAP1	438	246	665	582	312	333
LSM3	624	354	618	493	332	453
KIAA0232	5514	3998	7537	6097	3743	4123
MTSS1	5751	2718	5773	5622	4563	3594
TMEM43	4658	3865	6589	5399	3575	4138
RNF139	2687	2454	4978	4300	2650	2211
RPS9	9664	5985	12759	10064	6557	8253
PLA2G1B	0	0	0	0	0	0
CYTL1	3	2	14	32	15	0
TSEN34	610	977	1261	733	530	526
TRH	0	0	6	0	0	0
GSTA4	85	15	74	51	20	36
MSANTD4	1258	488	1117	1101	545	913
NDUFA3	215	100	196	194	128	177

OSCAR	870	417	1385	788	661	639
PAQR8	1924	1268	2130	2143	1106	1221
NUDT6	265	67	122	87	64	30
OR7G3	0	0	0	0	0	0
TANC2	2540	1781	3654	2936	1791	2171
OR7G2	0	0	0	0	0	0
TEX13B	0	0	0	2	0	0
PKHD1	0	4	0	0	0	0
OR1M1	0	0	0	0	0	0
NCBP2L	18	10	5	22	25	8
DNAJC24	1488	665	1554	1384	825	1090
MBD3L1	0	0	0	0	0	0
ZNF160	2687	1715	3084	2924	1653	1672
PGK2	0	0	0	0	0	0
OR8B12	0	0	0	0	1	0
ZNF415	73	103	123	98	35	68
CAVIN3	29	8	23	16	13	10
CEACAM3	223	779	694	102	50	125
DCDC1	19	8	0	11	9	18
HAS2	0	0	0	0	0	0
PDGFD	891	494	1341	1190	498	704
PLAC1	0	0	0	2	0	0
DDI1	3	0	16	19	0	0
S1PR1	3857	3051	3205	5894	2729	4895
HS6ST2	0	0	0	0	0	0
OR4D5	0	0	0	0	0	0
PYGO1	0	0	2	0	0	10
LRRC8E	0	0	3	4	7	3
PKIA	1097	553	1456	779	1132	955
XKR6	1010	525	941	670	444	635
TSNARE1	794	417	961	718	553	607
FPR2	1674	2421	1240	1179	902	291
FPR1	4803	11133	12010	4062	4403	3346
PATE1	0	3	0	0	0	0
OR13H1	0	0	0	0	0	0
FEZ2	1983	1330	2170	2370	1428	1716
SOX7	65	36	6	34	28	15
C8orf74	0	0	0	0	0	0
C11orf24	374	178	134	140	213	197
ALK	8	3	0	6	1	14
KYAT1	385	188	411	397	248	247
MTM1	2029	1080	2452	1830	1271	1609
OBP2B	0	0	0	0	0	0
TRMT61B	865	436	925	1076	554	709
INSR	2429	925	2124	2122	1297	1430
MFN1	3764	2535	4979	3766	3613	3910
GIMAP8	7076	2889	5358	5597	2955	5178
HSFX1	0	16	27	11	34	31
NRTN	5	0	0	3	0	0
KCNMB3	231	77	192	126	96	131
FUT3	5	0	0	4	0	0
KCNG3	8	0	0	0	0	0
ATP6V0E2	1628	671	1040	1214	483	468
PRKCE	2177	1301	3204	2411	1764	1662
OR2K2	11	0	0	2	0	2
JAGN1	782	424	1061	882	538	532
RLN3	0	0	2	0	0	1
TADA3	2394	1637	3613	2611	2095	1912

SOCS5	2157	1200	2281	2122	1416	1699
C1GALT1C	942	410	1026	1014	567	731
C9orf16	566	404	814	602	671	447
MORN4	55	16	51	33	21	17
ZNF672	1546	153	396	1364	254	1046
ZNF692	723	359	836	740	329	557
NAIF1	368	266	500	456	277	226
RBKS	109	61	149	67	32	55
OR2M4	0	0	0	8	0	6
GRIK1	5	3	0	5	0	0
MUC7	0	0	0	0	0	0
OPRPN	0	0	0	0	0	0
SMR3B	0	0	0	0	0	0
TMEM126A	391	177	530	407	249	269
TMEM126B	1165	501	1028	1049	544	934
TRIM8	3291	2740	3911	4296	2821	2618
NETO2	373	115	409	238	264	262
CSN3	0	0	0	0	0	0
CLDN20	5	9	8	14	5	6
CDC42BPG	493	313	704	489	251	312
SCAND1	396	327	793	519	8	258
JUNB	4171	10288	15570	7285	5003	4004
FAM241B	37	22	28	47	27	33
TMEM37	5	0	8	0	0	4
UGT2B7	0	0	0	0	0	0
LRG1	126	1147	1108	115	136	52
SHCBP1	122	82	197	99	172	129
SOSTDC1	0	0	0	0	0	0
NPTX1	21	10	108	25	30	28
FAM98B	2691	1359	3365	2769	1638	1921
ZNF439	1195	762	1817	1354	785	1120
ZNF440	1632	482	1253	1885	529	1401
GAA	3420	2607	4056	3330	2993	2786
CANT1	2192	2023	3682	2083	981	1760
KCNK3	0	0	0	0	0	0
ZDHHC16	756	380	620	756	528	627
CHST11	4586	3365	5664	4124	2730	2847
EXOSC1	813	615	1091	1016	544	700
PGAM1	5623	2814	7085	6071	4049	3266
CHD7	4647	2857	5235	3074	2420	2636
ESCO2	54	36	76	52	63	36
KRT19	0	0	0	0	0	0
KRT15	0	0	0	0	0	0
LURAP1	5	8	7	19	0	7
KRT38	0	0	0	0	0	0
CLCN5	537	312	716	1828	652	803
TPPP	120	125	151	117	63	135
KCND3	140	205	180	162	204	120
APLN	0	0	8	0	0	0
KRTAP4-4	0	0	0	0	0	0
KRT13	0	0	0	0	0	0
XAGE3	0	0	0	0	0	0
KRT9	0	0	0	0	0	0
XAGE5	0	0	0	0	0	0
PDE7B	132	78	178	102	58	78
MRPL36	181	65	143	108	61	105
ZNF581	562	328	765	579	551	505
NAT1	294	104	346	280	116	134

KRT20	0	0	0	0	0	0
GLOD5	0	0	0	0	0	0
KSR2	8	13	24	12	8	19
ZNF524	443	166	307	194	248	385
MCC	423	156	242	231	171	276
KRT27	0	0	0	0	0	0
ZBTB26	1208	575	1495	1046	958	943
CDK5R2	0	0	0	2	0	0
DSEL	992	210	364	690	270	476
POLR1C	404	327	531	454	304	349
ASXL1	3953	2421	5292	3636	2073	3006
OR1L6	0	0	1	0	0	0
DLK2	17	20	17	30	12	18
ZNF562	3264	1297	3109	2730	1642	2233
ZNF318	5845	3429	7572	6234	3411	4820
ZNF561	1889	1016	2030	1945	992	1522
WIPF2	1510	2594	2530	1160	973	1098
HOPX	752	699	411	522	502	388
SPACA5B	0	0	0	0	0	0
OR1L3	0	0	0	0	0	0
NLRP5	0	0	0	0	0	0
LRRC8C	10822	4147	9514	8071	4580	8040
SPACA5	0	0	0	0	0	0
RSL1D1	3968	2443	3975	3859	2836	3230
LRRC8D	3660	360	2113	3287	1644	3190
MROH2B	0	0	0	0	0	0
OR1L8	7	0	9	2	1	2
PPID	903	474	937	862	555	709
OR1N2	2	2	0	0	0	4
COL24A1	95	103	202	157	188	73
ETFDH	1041	453	990	978	639	844
OR1N1	0	0	0	0	1	0
RXFP1	1	5	0	3	0	4
LPAR3	11	19	32	28	34	26
PTGER4	4729	3329	7455	3840	2200	1639
TBCA	735	334	594	552	227	578
NEUROD2	2	0	4	2	0	0
MAP6	0	0	2	0	0	6
OTP	0	0	0	0	0	0
ECEL1	0	0	0	0	0	0
BCL2L1	2207	1707	1534	1704	2389	1142
FGG	0	0	0	0	0	2
FGA	0	0	0	0	0	0
OR2AT4	0	0	0	0	4	0
FGB	0	0	0	0	0	0
PLRG1	2141	1113	2888	2500	1448	1703
RAB4B-EG	83	39	311	85	300	19
ZNF584	182	51	192	195	101	150
DSCAM	0	0	0	0	0	0
DNAI2	31	14	58	45	15	33
NMUR1	779	499	1669	1792	485	846
CLSTN1	6184	2988	7808	6880	3935	4529
CXXC5	985	545	930	1016	551	607
ZNF274	2148	1326	2160	2196	1417	1526
PIK3CD	16427	9814	17709	14718	8768	11124
PTCRA	96	110	231	128	338	127
SLC25A33	482	399	884	698	503	295
ENC1	1888	1393	2335	3512	1518	916

SPSB1	103	45	150	63	143	131
P2RY6	44	28	93	36	61	28
BPTF	15070	8778	17905	14240	8772	10984
S100Z	714	228	534	411	577	484
ZIK1	424	143	293	449	161	302
GPR82	90	32	76	38	31	39
GPR34	382	99	154	282	187	276
PLEKHG5	95	101	241	104	145	207
ATF7IP	19909	10095	22149	13587	15104	13744
LKAAEAR1	2	2	0	5	0	0
RGS19	2110	1365	3147	2295	1465	1551
TCEA2	288	191	302	277	214	225
DEFB4A	0	0	0	0	0	0
ANO5	323	191	313	412	229	301
HDAC3	1764	1069	2587	1427	1131	909
SPATA46	0	0	0	0	0	0
GPHN	650	202	580	344	335	499
VAT1L	0	0	0	0	5	0
TMEM51	21	5	60	52	44	24
CAMTA1	719	411	753	469	685	594
LGALS4	62	59	93	55	30	44
LRRC34	50	21	55	27	16	7
PAH	0	0	4	2	0	0
SPATA5L1	540	597	845	716	417	405
GATM	98	50	98	53	79	163
SYCE1	7	1	0	0	0	0
NXNL1	0	0	0	0	3	0
RASGRP4	1210	1320	2270	1294	1067	1131
NHLH1	12	14	24	34	15	9
SLFNL1	54	31	28	40	22	45
BCL2	20905	8160	16520	17190	8973	11547
RHNO1	465	287	633	565	486	513
CTPS1	1523	1007	2497	2091	1332	1329
UTF1	0	2	8	0	8	4
KNDC1	652	103	318	183	291	168
WDR87	4	0	2	0	3	0
METTL18	487	181	349	397	139	287
CFAP46	17	3	2	12	10	0
COL8A2	321	159	521	312	333	215
PWWP2B	1089	697	1437	1340	888	638
PCDHB1	0	0	0	0	0	0
ZNF540	811	405	617	568	355	449
ANGPTL7	7	0	5	7	0	2
FBXL14	534	440	825	924	497	462
EXOSC10	3244	1516	3664	3087	1772	2191
ZNF570	850	111	816	819	86	564
NINJ2	142	87	175	115	156	68
MLLT3	3009	1674	2999	2380	1562	2112
FAM90A1	6	2	8	17	6	2
RRM2	169	91	434	116	149	48
TRAPPC12	3023	2103	4093	2483	1932	2191
IFNB1	0	0	0	1	4	2
RPS21	7335	4056	6511	6686	4219	5549
C3AR1	1287	287	1033	991	424	642
MRM3	423	396	659	596	271	298
PTEN	17075	12188	14168	19567	25245	16291
RPS7	12008	9814	17024	15132	10092	11644
PRND	0	0	0	0	0	0

RNASEH1	814	490	1157	1120	586	634
PRNP	3766	1166	5796	343	2982	3419
KLF17	0	0	0	0	0	0
ADRA1D	3	0	0	0	0	0
FRMD5	6	0	10	0	0	0
AQP4	0	0	0	0	0	0
CYP4F11	0	0	0	0	0	0
TLN2	109	56	133	124	30	57
LGALS9C	80	109	225	188	123	25
TVP23B	1346	717	2343	1349	1108	827
FBXW10	2	0	2	4	0	6
OR10H3	0	0	0	0	0	0
ZNF217	12782	6558	13095	10106	5297	9600
OR10H2	0	0	0	0	0	0
SRGAP2C	2658	1206	2730	1810	1536	1613
OR52A5	0	0	0	0	0	0
SCG2	4	0	0	0	6	3
ATPAF2	1184	719	1591	1149	904	939
CYP4F22	131	53	110	263	58	94
FOXB1	0	0	12	0	0	2
PPIH	381	287	583	404	226	320
DRC3	33	25	39	20	11	14
ZNF57	58	76	82	46	39	30
SHLD1	349	186	413	305	212	243
C11orf40	0	0	0	0	1	0
JMJD1C	20878	20116	29610	22753	14657	16536
LDHAL6B	5	0	0	0	0	0
SYNPO	277	201	299	110	174	158
ZNF556	7	7	0	6	10	5
MAL	753	432	694	584	315	499
ZNF554	455	195	463	414	218	359
RAB33B	1121	979	1280	1047	729	990
THOP1	604	393	700	687	452	578
ANKRD20A	149	0	134	154	28	11
REG3A	0	0	0	0	0	0
GAP43	0	0	0	0	0	0
REG1B	0	0	0	0	2	0
EPHX4	92	21	60	100	70	76
LAMB2	405	98	381	442	239	144
USP19	3610	1939	4424	3699	2160	2850
QARS	3223	1795	3969	3179	2515	2863
ORMDL3	3004	640	4112	2598	1841	2073
SERF1A	279	40	211	175	157	134
KLF11	2720	1951	2875	3295	2133	1846
LRRC15	2	0	0	0	0	0
SMN1	1371	694	1202	1081	644	557
EIF2AK3	3015	2007	3635	2959	1846	1988
TEX37	0	0	0	0	0	0
MOB3A	7140	7626	11423	8939	5163	6351
KRCC1	1130	587	1098	987	514	903
NME6	1521	745	1881	1497	899	1221
CYCS	3061	2203	4634	3604	2336	2511
CD8B	1826	577	1663	2593	696	894
SLFN12	920	313	952	913	393	675
CALB2	0	0	0	0	0	0
SLC9C1	6	7	23	10	0	0
OR1A1	0	0	0	0	0	0
OR1A2	0	0	0	0	0	0

OR8I2	0	0	0	0	0	0
LCE1D	0	0	0	0	0	0
CCL11	0	0	0	0	0	0
FRMD3	748	430	1052	962	1058	822
SNTB1	3001	2310	4883	4186	2878	2493
MTBP	766	265	723	688	337	532
TEFM	657	280	572	557	359	572
MRPL13	448	263	565	357	238	396
MALT1	8635	4896	9414	9072	5504	7591
PRL	0	0	6	0	0	2
ISG20	4630	3414	4862	4199	3081	1992
OR4C11	0	0	0	0	0	0
MBOAT1	1438	859	1892	1616	1224	1506
OR8U1	0	0	0	0	0	0
ID4	0	0	0	0	0	0
OR4X2	0	0	0	0	3	0
GPR22	0	0	14	5	0	0
CXCR6	667	207	337	609	239	497
CEBPB	3769	4227	7217	3252	2179	2289
AZU1	75	50	344	24	139	77
TPSAB1	0	0	5	0	0	0
ATOH1	0	0	0	0	0	0
PAIP1	1166	624	1365	1145	819	889
CLEC7A	6336	5497	10989	6122	7117	5781
C5orf34	147	91	163	143	86	135
C1QTNF4	35	19	58	32	22	17
NEGR1	133	26	124	164	76	70
ZNF131	1979	1245	2701	2126	1152	1529
MACROD2	349	253	203	56	60	98
DPAGT1	621	363	665	572	426	400
BSG	3742	2396	5048	3930	2565	2663
HINFP	1374	506	1681	1028	780	1025
CDY1	0	0	0	0	0	0
OR10V1	3	3	0	0	0	0
CERS6	4831	2242	5394	4234	3031	2997
SPTLC3	32	46	77	107	31	36
COPRS	88	57	112	80	39	64
TP53RK	1561	219	1627	1480	697	1058
B3GALT1	1	1	3	2	0	2
OR5A1	2	0	0	0	0	0
CLEC12A	8239	2215	2767	4068	3984	2382
OR5A2	0	0	0	0	0	0
BPGM	583	313	845	702	483	539
POP7	127	121	172	140	90	132
ALG14	266	111	278	193	130	185
SUCLG2	3436	1872	3958	3477	2092	2482
STARD5	502	270	485	527	353	376
CSDC2	0	3	3	2	2	0
RCAN2	21	28	50	74	45	24
IL16	5940	4468	6689	6968	4184	4753
ABCG4	0	2	0	6	3	0
CDY1B	0	0	0	0	0	0
GNB2	4368	3754	7575	4567	3604	3214
CFAP53	24	9	11	19	9	18
OR5B12	0	0	2	10	0	2
OR5B2	0	1	2	0	2	0
MCRIP2	519	230	493	312	252	326
PDZD3	26	18	40	23	16	25

C2CD2L	1508	887	1846	1215	1432	1110
OR9I1	0	0	0	0	0	0
ARNT2	0	0	3	2	0	0
GNG12	0	0	5	0	3	0
PRSS27	13	15	21	23	14	19
MYOZ2	0	0	0	0	0	0
SYNPO2	13	10	35	20	11	21
DNAJB7	4	0	4	2	1	0
CLP1	510	430	768	503	416	321
INSL5	0	0	0	0	0	0
EFCAB3	0	0	0	0	0	0
TTC36	42	14	15	28	15	19
RSPH9	22	9	31	29	28	12
COPS9	295	190	392	373	165	250
GTPBP2	3309	2106	4555	3328	3259	2457
FGGY	395	319	513	428	305	309
OR9G4	0	0	0	0	0	0
IL17D	6	0	9	2	0	6
OR5AR1	0	0	0	0	0	0
FUT9	0	0	0	0	0	0
OR5AP2	0	0	0	0	0	0
TCEAL1	125	0	120	169	0	0
ZNF24	10290	5569	11696	8907	5559	7922
HSFY1	0	0	0	0	0	0
MANEA	1278	445	974	858	565	820
RAB40A	39	9	16	9	15	10
MAB21L4	0	0	0	0	0	0
AGXT	0	0	0	0	0	0
OR8J1	0	0	0	0	0	0
OR5T3	0	0	0	0	0	0
AFF1	2880	2739	4577	3142	2182	2939
ACOT12	2	0	8	6	0	0
FIBP	934	447	1092	965	623	652
CARNS1	1176	554	1249	1383	595	755
OR10H5	0	0	0	0	0	0
BANP	1639	1520	2252	1620	1251	1260
PPP1CA	4330	2070	5789	4537	2867	2768
HCFC1	5520	3297	7579	5838	3411	3882
FAM170B	0	0	0	4	0	3
CTSW	3301	865	3813	3592	1284	2028
NIPAL4	60	54	58	35	7	15
MUCL1	0	0	0	0	0	0
SNTG2	78	27	47	108	38	44
FNDC9	2	0	0	0	0	0
PDE3A	404	470	663	360	1215	301
RASGRP1	9909	3849	9681	8777	4534	6014
KLHL6	5943	3215	5668	4981	4190	4794
CHCHD1	273	86	279	272	116	185
MRPL52	615	354	771	587	397	478
SMPDL3A	473	210	487	358	306	249
RND1	30	118	90	27	83	5
RAD9A	648	460	1113	775	419	601
EFEMP2	206	117	237	170	99	173
OR10AD1	0	0	0	2	0	2
AGAP5	614	326	793	494	402	480
WASHC2C	5120	3234	5041	5497	2914	3939
TMEM134	749	298	847	626	349	531
ZMAT3	5476	1947	6317	6021	4253	4137

ZFAND4	1575	777	1802	1746	940	1296
THEMIS	6296	2540	5373	6088	2847	4258
MOS	0	0	0	0	0	0
ZNF738	604	268	621	547	490	353
MS4A10	0	0	0	0	0	0
SLFN11	6353	1944	6099	5218	3060	4086
FAM71D	0	0	0	4	0	2
CCL19	0	0	0	0	0	0
CORO1B	1554	717	1614	1728	1320	1347
FUT10	1225	307	812	747	490	245
LRRC20	114	46	124	92	56	94
MUS81	1020	559	1508	960	571	783
PURG	0	3	0	0	0	5
TMEM217	11	8	19	7	2	9
OR4D9	1	0	0	0	0	0
ZNF596	145	57	75	115	65	167
COL6A5	0	0	0	0	0	0
CFL1	9547	4956	13057	9569	3234	6229
TMCC1	2101	1856	2927	1901	1275	969
NAA16	3748	1984	3697	4311	1664	2626
OR5B3	0	0	0	0	0	0
EFCAB12	118	57	120	105	149	43
OR10W1	0	0	0	0	0	0
FAM192A	3486	2181	3990	2933	2306	2764
RAB43	2851	177	3496	2507	399	526
FADS6	0	0	0	0	0	0
CBWD1	1604	726	2110	1496	904	1158
HOXC5	0	3	21	14	0	0
RAB37	1274	2226	4741	3335	4109	2001
DCP2	5451	3025	5967	4658	11599	12780
SNX32	74	42	100	60	41	40
RPL38	2539	2016	3422	3057	1916	2439
CYP7B1	17	16	42	35	8	12
OVOL1	0	0	6	2	0	0
RARG	806	464	872	789	552	605
CES4A	420	146	520	398	268	269
CES3	17	16	13	15	1	2
SSH3	387	310	577	523	314	362
CES2	1344	516	1420	1281	925	931
PDP2	80	424	1230	935	395	289
SP3	11755	7507	14659	12304	7621	10719
KRT2	37	17	47	51	12	20
DMXL1	12241	6107	13025	10586	8103	8757
METAP1D	311	194	358	278	240	183
ZNF621	3782	1693	4065	3433	1567	2602
EGFL7	63	38	102	44	144	22
NADSYN1	5954	3399	7508	5910	3550	4020
DHCR7	230	211	405	307	296	171
LVRN	1	3	9	13	5	7
NBEA	1484	727	990	1512	661	1488
RNASEH2C	983	431	965	755	926	578
MYEOV	61	67	95	39	277	26
ANKRD13D	4604	2933	5745	4468	2868	3432
MRGPRF	3	0	3	0	0	0
MYD88	4408	1646	6667	2258	1678	1517
MRGPRD	6	0	4	0	0	0
OXSR1	4475	2809	5453	4995	2876	3433
SLC22A13	56	18	25	41	25	35

PHF8	3449	2159	4265	3810	2241	2826
LCLAT1	1840	1213	1643	1381	852	649
ADH6	0	0	0	0	0	0
XKR3	4	14	4	2	0	0
FRG2C	0	0	0	0	0	0
KAT5	1153	1129	2068	1552	971	920
SH3RF3	355	167	337	243	131	157
GXYLT2	0	0	8	10	4	6
HPSE2	0	0	3	2	3	0
DCAKD	702	399	807	552	540	369
ARPP21	8	6	12	0	21	0
TADA2B	1226	1944	1678	1585	2129	1094
CCDC96	34	26	50	42	13	18
GRK2	13972	8239	18327	13538	9358	9763
RELA	2541	3514	2307	3040	1977	1951
EVC2	193	56	377	112	108	91
ZNF680	1411	704	1392	1034	725	1074
HECTD4	13401	6853	17690	13725	8807	8255
FAM222B	899	574	1048	854	624	631
BNC2	591	358	1040	930	444	255
1-Dec	7	9	6	0	10	5
RXFP4	54	32	33	29	19	30
HPSE	1163	1848	3015	3163	2585	2103
COQ2	823	442	691	595	455	519
CCDC63	0	3	0	0	0	0
HSPA6	827	1073	1419	587	525	535
TRMT112	209	114	199	172	92	149
LRRN3	2141	520	573	937	562	690
KDM2A	14272	9801	19375	14975	10042	10505
ACSM6	0	0	0	0	0	0
ADCK5	389	233	568	490	253	267
MRPL57	427	209	411	463	273	368
NOC3L	1732	690	1770	1740	904	1257
ESRRA	1196	882	1692	1344	1001	625
RHOD	0	0	10	0	0	0
ADAMTS2	0	0	0	0	0	0
COMMD1	708	364	823	758	543	431
RAPH1	1134	295	1014	776	394	726
MTX1	411	443	938	484	396	347
ADCY5	2	0	10	9	8	3
PARP14	20898	11051	27485	22452	12558	16946
CYSLTR1	2175	1116	2207	1713	1127	1302
PARP15	8343	3556	11703	7905	5928	6233
CKS1B	148	68	163	176	92	104
ABCD2	3357	987	3065	2908	1167	2166
ABLIM3	365	412	480	287	984	306
MAB21L3	9	47	29	23	11	10
TUBB8P12	0	0	0	0	0	0
MFSD4B	3073	1311	2780	2609	1888	2033
VANGL1	438	270	505	682	377	386
GLRX	3070	1474	2956	2300	1674	2457
IQCB1	1830	856	2587	1644	916	1370
SYT12	0	0	0	0	0	0
GOLGB1	5900	3534	6387	5523	3040	3846
C11orf86	0	0	0	0	0	0
LIPM	0	0	0	0	0	0
GPR151	1	0	5	0	0	2
DMRT2	0	0	0	3	0	0

ZNF483	899	535	1393	976	556	739
PLAC8L1	16	7	11	21	7	4
SLC2A14	118	5	98	59	31	9
GPR137	281	251	365	299	196	180
SNCG	0	0	6	0	6	0
MMRN2	34	35	31	42	24	42
MZT2A	407	313	739	528	309	416
TNKS	5999	3167	6283	5732	3763	4550
ZNF449	830	337	724	546	278	582
ZBTB21	1496	852	1712	1487	1297	1101
PPP1R3B	1117	1979	2298	1157	695	765
OR10K1	0	0	0	0	1	0
GPR148	0	0	0	0	0	0
STOX2	35	8	30	20	14	20
MAP3K11	4279	4065	5965	4039	2752	2816
TRIB1	635	5268	5782	2788	1546	768
CST9	0	0	0	0	0	0
KCNK7	37	186	206	80	54	36
SFT2D3	960	483	910	1021	507	655
AC097637	0	0	25	0	51	0
C1QB	83	7	25	4	26	31
C1QA	490	62	146	105	123	199
NDNF	2	0	2	0	0	0
IQCF1	0	0	5	0	0	0
OLR1	43	28	190	55	28	133
GLIPR1L1	0	0	0	0	0	0
DAG1	1090	742	780	1104	984	1155
INSM1	0	0	0	6	3	0
DAB1	71	16	78	67	39	75
ARV1	383	112	303	262	174	226
NAA20	956	358	1010	862	575	677
CCDC36	4	4	0	0	0	0
RNASE8	0	0	0	0	0	0
SAA1	1	0	0	0	0	0
MINOS1	1781	791	1842	1626	1324	1479
EHBP1L1	7823	5335	13382	7089	5189	7687
THAP2	492	227	461	381	241	394
TMEM196	0	0	0	0	0	0
RNF26	760	509	1049	998	496	518
PPP1R14B	63	54	107	46	69	42
RNASE11	0	0	0	0	0	0
SSSCA1	244	156	293	256	147	156
AGR3	0	0	0	0	0	0
SMARCC1	7871	4334	9340	8156	4915	5768
ZNF417	2034	1174	1992	1939	1404	1720
PTPRM	606	312	251	1062	458	959
FKBP2	75	144	179	160	149	107
VEGFB	386	236	411	307	280	313
PEAK1	3008	954	3733	2978	2202	1747
TNFRSF10I	694	628	1058	922	768	696
MST1	115	72	127	147	48	116
TNFRSF10(	1053	3907	3286	479	414	294
GMPPB	676	436	819	731	527	621
MOB1B	7600	4270	8840	7255	8975	6006
ZNF622	765	481	986	967	469	591
CSPG4	4	2	17	3	8	5
SNX33	768	331	1009	845	606	569
C2orf70	0	0	0	0	0	0

NABP1	14636	17872	18401	8861	6628	8949
ADGRF3	60	28	58	30	22	27
NLRP13	0	0	0	0	0	0
CHD2	19926	13589	26348	20343	12898	14787
XCR1	33	19	34	57	101	40
CCDC106	114	34	123	74	65	58
CCR9	169	71	148	88	55	82
CEP83	1152	544	1211	1032	651	853
SULT1B1	4389	2779	5497	3318	2146	3235
NUDT4	246	335	2218	328	723	1433
PC	245	116	335	213	192	216
UGT2A1	5	0	0	0	0	2
SCAI	2665	1465	2836	2510	1430	2365
GPRC6A	0	0	0	0	0	0
NMNAT1	565	318	791	584	435	533
LRFN4	199	117	245	250	172	141
TRAPPC3L	84	159	149	102	387	168
APOBEC4	0	2	0	0	0	0
SLC19A1	1632	2075	3162	1284	950	1060
HSPB7	0	0	3	0	0	0
RCE1	396	394	717	528	319	280
UQCRH	1124	705	1180	1062	985	743
TAS1R1	0	2	0	0	0	0
HES3	0	0	0	0	0	0
EIF1AX	3671	3203	4230	3599	2466	4325
SPDYE2B	2	0	14	1	4	7
OR1L1	0	0	0	0	0	0
BCLAF3	2112	1131	2578	1604	1204	1833
PSMD1	3613	1786	5258	3935	2394	2872
ADGRG2	0	0	0	0	5	0
SPATA3	0	0	0	2	1	0
MUC13	1	0	5	2	3	1
SUSD5	3	2	0	14	2	7
HEG1	3150	1789	5700	5887	1716	2193
WFIKKN2	0	0	4	4	2	2
C11orf80	747	347	767	621	429	527
TOMM20	5348	3296	7162	5789	4423	4523
C1orf100	0	0	0	2	0	0
AGFG1	2879	1772	3576	9227	3344	7160
STAT5B	12633	9555	18026	13003	8614	10153
CD7	1811	1223	2177	2164	1166	1144
TOPAZ1	0	0	0	0	0	0
CNP	1701	890	2658	1808	1286	1294
JUP	516	323	994	499	574	467
HAP1	0	6	7	2	0	5
TDRD12	32	46	23	11	15	84
EIF1	16732	17313	32695	25138	19518	14414
ENDOV	265	371	482	407	374	371
RNF213	115443	60801	167768	137523	80219	80021
TIGD3	81	118	129	59	60	59
KCNH6	0	0	0	0	0	0
10-Mar	0	2	4	6	7	3
PLK3	890	2328	3738	1706	1240	698
NET1	512	346	634	603	448	306
DPY19L1	2097	1040	2162	2415	1112	1717
AC013489	1	39	23	49	321	2
PHOSPHO	141	532	355	80	94	93
ZNF791	997	792	676	539	428	410

PHC3	25108	13105	26248	22980	5986	19258
GPR160	738	604	866	501	519	536
CBX2	26	13	47	27	26	38
SPTBN2	1	5	34	30	15	15
GOLIM4	575	270	644	526	387	273
KRT28	0	0	0	0	0	0
RBM4B	505	293	651	376	383	277
ATP5MD	1147	498	1144	1210	717	801
HOXB2	365	35	413	255	130	166
C1QTNF1	4	2	0	2	2	0
3-Mar	355	167	381	224	161	157
SWSAP1	118	65	204	106	94	81
SLCO4C1	1757	1012	3537	2250	891	1275
RBM4	6673	4170	8456	7275	4610	4821
PIFO	5	2	5	8	0	8
XXYLT1	560	254	802	480	386	383
UBXN2A	1202	681	1896	1286	1149	1069
RAX2	0	0	0	0	0	2
LRRC63	33	0	33	9	11	13
TCAP	80	76	142	108	53	94
CCS	395	183	560	431	324	282
NRROS	2929	1418	3041	2570	1741	2142
CEP19	113	338	261	122	67	83
KLHL15	1717	1551	3028	2248	1383	1376
FBXO45	957	471	1071	944	495	756
SPERT	0	5	0	0	0	9
TENT5D	0	0	0	0	0	0
GNG5	395	330	629	447	272	315
SLC25A30	1582	1001	2377	1295	1375	1372
C9orf131	39	10	14	22	5	9
CD34	5	20	14	29	25	10
CTSF	393	245	485	373	192	246
MSRB3	275	319	467	300	564	238
LEMD3	4962	2877	5914	4855	2908	3501
C16orf91	127	92	255	232	84	132
TLR10	458	496	1315	353	996	254
TLR1	5837	4794	6711	4479	3558	3817
TLR6	3371	3352	4201	2194	2073	1495
FAM174A	190	219	327	200	150	166
RGMB	427	328	306	209	266	382
FAM53A	110	33	104	42	57	43
NWD2	0	0	0	0	0	0
CYB561D1	2469	317	751	2999	1554	1180
GSTA3	0	0	0	0	0	0
ZDHHC24	1611	611	1926	1596	885	1124
TRMT10C	942	550	1124	931	608	682
SELP	1013	1144	1213	1056	3245	842
CTU2	413	208	456	386	217	263
MGA	13416	7191	15869	13816	9231	10788
C12orf66	1038	447	864	772	562	790
ARL13A	0	0	0	2	0	2
SNX31	2	0	0	0	0	0
PIGG	3695	2064	4493	3525	2727	3323
PRPF8	19492	11263	23050	20165	12637	14948
ADCY6	84	76	122	113	311	80
REP15	3	6	2	5	0	4
PITPNA	2222	2153	3735	2875	1791	435
DDX23	3091	1664	3820	3106	1633	2530

ZNF80	62	60	107	90	40	93
ZNHIT2	198	72	98	156	47	117
EVX2	0	0	0	0	0	0
ZBTB4	5845	2968	6776	6408	3555	3921
TNK1	187	66	148	142	77	140
ZHX3	913	465	1561	850	411	828
PHLDA3	7	6	55	17	31	8
DIRC1	0	0	0	0	0	0
SLC16A11	28	17	39	42	24	27
SLC16A13	184	43	153	166	87	178
GLIS1	0	0	0	0	4	3
OR2Y1	0	0	0	0	0	0
CHRNA9	11	2	2	3	6	4
PODN	134	29	338	250	69	35
SLC6A19	0	0	0	0	0	0
C11orf45	96	6	57	62	40	60
EXO1	56	27	87	58	26	37
RALGAPA1	7757	4205	9603	7874	5342	6080
LIG4	1383	705	1389	1077	723	934
TRHR	0	0	0	0	0	0
GTF2IRD2E	1644	850	1906	1656	1006	1173
ABRA	0	0	0	0	0	3
ATP2A2	8270	5689	11766	8376	7348	7126
ZWILCH	397	277	522	634	405	606
RPL4	25028	15128	27367	24561	16712	20348
SNAPC5	363	152	484	413	310	369
STARD6	5	0	1	2	0	0
GOLGA6L2	0	0	0	0	0	0
VWC2L	0	0	0	0	0	0
C12orf76	334	233	402	471	293	312
ZCCHC12	0	0	0	0	4	2
CNTNAP2	390	264	468	322	137	52
GALNTL6	10	8	11	17	34	28
LINGO2	48	20	29	246	40	174
BBS1	517	272	530	369	202	432
DENND4A	15551	8952	16522	14288	10651	11662
IGDCC3	0	0	0	0	0	0
GCSAM	588	435	527	450	264	634
ANKRD36C	4220	2240	5468	4768	2526	3487
SLC26A9	0	0	0	0	0	0
MFSD4A	70	41	44	94	71	73
PELI3	609	325	750	609	539	486
TTC9B	2	1	6	2	0	6
MYO1H	2	0	5	0	2	0
TMEM81	110	70	126	134	83	120
MRPL11	368	214	350	460	171	340
KLK15	0	0	0	0	0	0
IL20RB	132	61	156	191	98	87
GOLT1A	5	0	0	2	0	0
AKIRIN1	2816	2118	4281	3231	2303	3902
NPAS4	0	0	0	0	0	0
MSL2	8070	5023	9774	8100	4799	5573
ZNF497	90	57	109	75	62	78
TRAM1L1	0	0	0	0	0	0
CMKLR1	1786	1190	3522	3180	1524	1507
ANGEL2	4569	2424	4808	3855	2547	3365
UGT8	279	132	239	150	231	122
KY	19	22	16	7	2	4

IQCK	62	25	29	33	25	39
SLCO2A1	5	12	6	0	4	2
ZNF266	4389	1955	4137	4741	1860	2134
OR7D4	0	0	0	0	0	0
SLC29A2	276	127	232	140	123	192
BRSK2	20	10	9	16	6	18
B4GAT1	166	73	174	146	73	156
TMEM167A	6598	3518	7910	7293	5061	4949
LEP	0	0	2	2	2	0
SH3PXD2B	29	106	209	93	180	107
KIAA1551	14406	11891	18912	14609	6919	24095
LARP7	954	542	919	890	596	594
FGFBP3	71	35	66	62	11	62
NR1D2	4307	4156	7637	6477	4788	3783
PABPC5	2	0	0	0	0	5
BRMS1	525	506	766	726	486	546
RPL15	34038	17786	23304	12951	10173	15939
FAM241A	1023	280	643	591	432	660
HRAS	195	135	240	199	143	143
WDR49	327	271	475	488	338	479
SRP72	3364	1978	4562	4008	2577	2779
PCP2	23	30	69	61	34	10
RIN1	310	194	474	424	353	184
ODAPH	9	2	9	6	5	2
THAP6	721	391	848	732	367	687
CEP135	2804	1473	3231	2301	1591	2152
FZD4	20	3	30	23	16	13
CD248	182	45	129	230	101	127
BTC	0	0	0	0	6	0
PDZK1	32	8	28	23	30	17
ADGRE1	2059	1299	2155	2485	2153	2009
DENND6A	5408	2893	7015	5684	3343	4045
PDE12	3979	2404	5805	4785	2464	3163
GLMN	1160	621	1392	1301	813	926
DNAH12	23	23	50	20	23	25
YIF1A	382	172	424	456	272	346
CNIH2	26	44	55	30	29	23
AMY1B	0	0	9	0	0	9
NLRP6	161	845	565	278	154	235
NDUFA11	1362	813	1498	1418	960	861
RSRC1	1357	608	1693	1507	770	1032
CATSPERD	3	0	0	6	1	0
PQLC2L	0	0	0	0	0	0
RAB1B	2898	2281	4120	3050	3107	2379
OR9G1	0	0	0	0	0	0
PTDSS2	519	338	828	684	460	381
C19orf70	231	123	267	257	179	169
C3orf33	93	62	94	86	35	53
OR5M3	0	0	0	0	0	0
SEZ6L2	1	0	0	5	0	0
ASPHD1	0	0	0	3	0	0
KCTD13	1722	399	1099	1825	1131	715
P2RY14	191	305	260	317	208	196
AMZ1	34	26	49	45	51	37
GPR171	1375	438	950	935	528	1003
GPR149	0	0	0	0	0	0
CD164L2	2	0	0	6	0	0
FUT1	2	3	8	6	26	8

DHX36	9094	4508	10213	8819	5372	6777
OR5J2	0	0	0	0	0	0
ZIC4	0	0	0	0	0	0
OR10AG1	0	0	0	0	0	0
OR4S2	0	0	0	0	0	0
FBXW8	1148	467	1288	1598	726	810
CA5A	8	0	2	2	0	0
ZG16	2	0	0	0	0	0
KLC2	552	349	876	704	380	519
SLC22A1	109	37	64	126	24	11
TEX36	0	0	0	0	0	0
CTBP2	3592	1850	4060	3853	2164	2188
CHST2	2638	972	3302	3206	1411	1477
ZDHHC14	700	380	704	776	565	543
ATR	10345	4599	10953	10491	6302	7204
UBE2C	11	31	38	24	46	16
DSG4	0	0	0	0	0	0
GK5	5808	2844	8880	8151	4404	4889
VCPIP1	12887	6896	14367	13605	6954	9493
RTP1	0	0	0	0	0	0
DES	12	31	52	4	15	21
PDIK1L	464	508	643	969	395	858
SPSB4	16	4	0	4	6	5
RAG2	0	0	0	0	0	0
TRAF6	2043	1261	2847	2281	1316	1720
ZNF654	3606	1716	3653	3275	1831	2582
TVP23C	1486	964	1984	1774	1068	1200
MRPS22	933	660	1356	1235	665	622
PACS1	8888	5795	10309	8229	5920	5300
WFDC5	0	0	0	0	2	0
MARCKSL1	881	733	1356	788	642	726
SH3BP5L	1306	785	1787	1237	939	1028
OR2T1	0	0	0	0	0	0
YPEL2	1454	769	1774	1282	965	1028
CADM2	23	39	8	6	60	7
ABO	254	142	113	7	48	428
PSMD2	2983	1827	4800	3728	2542	2387
PPM1E	7	6	5	0	8	0
FAM131A	626	481	1094	731	691	445
CSRP2	10	2	0	0	2	2
INHBC	19	0	0	6	3	9
PARL	970	595	1194	996	556	811
DDIT3	153	427	710	277	318	206
PCCA	1799	865	2054	1911	1198	1150
HIGD2B	0	4	4	0	0	0
DCTN2	1336	831	1883	1421	1064	1036
NPPA	3	0	6	3	0	0
ZNF408	222	157	260	251	190	170
CTDSP2	13071	8156	16526	13508	9649	10142
CKAP5	4454	2222	5130	4655	3069	3477
ARHGAP1	4482	2522	5864	4867	3328	3609
MED16	1302	717	1964	1140	839	1341
ATG13	3266	2554	5148	3600	2533	3228
GAL3ST3	0	0	0	0	0	0
C1orf127	33	22	30	46	35	34
CHST1	0	0	0	0	2	0
GOLGA8A	4444	4348	7214	6887	6463	8240
VWA3A	15	8	6	10	4	13

TP53I11	627	676	1313	783	777	395
CENPS	43	11	57	24	27	35
DOLK	249	138	296	370	171	217
PHYHD1	60	36	26	43	13	11
CATSPER1	112	81	108	93	80	90
CCNE2	67	41	113	72	82	61
PHYKPL	6294	3769	8116	6654	4208	4755
ANKS4B	0	0	0	0	0	0
CST6	0	0	2	0	0	3
GRAMD2A	4	5	4	3	0	0
ZNF519	1151	517	1129	1024	642	895
LSM1	749	279	777	813	678	569
PROP1	0	0	0	0	0	0
ISX	0	0	0	0	0	0
BANF1	1062	475	735	1022	548	781
APOF	0	0	0	0	0	0
CHRNA7	123	81	94	29	67	73
TMEM9B	1200	1180	1386	1110	1553	688
NRIP3	30	23	154	19	23	42
PTPN2	3948	1882	4153	4010	2531	2758
SCUBE2	18	4	19	2	4	13
EIF1AD	1055	740	1518	1241	687	991
SMAD2	12013	8225	15848	16389	7421	14289
EIF3F	5934	3373	6932	5549	3937	4403
ZNF25	1320	533	1577	1282	926	921
OR10P1	0	0	0	0	0	0
ARL10	2163	961	2435	2024	1300	1518
CLTB	356	335	647	460	261	319
PCSK1	0	0	0	0	3	10
LPL	79	46	39	56	80	160
RFESD	136	93	207	152	81	61
CCDC14	2982	1388	3055	2447	1825	1681
TBC1D10C	5355	3518	7700	5937	3215	4182
SART1	1006	796	1450	1142	714	889
PPP2R2D	2035	1323	2606	1807	1408	1397
MCTP1	4485	2566	5240	3764	4197	3814
POLD4	457	305	561	440	301	250
OR52W1	0	0	0	3	0	0
LRRC25	3897	2431	4896	3367	2550	2497
DPP10	1	0	0	2	9	2
CLCF1	126	152	290	261	177	172
TSGA10IP	9	0	16	8	11	4
GPR152	17	9	14	12	23	8
UBQLNL	80	27	97	33	24	25
UBQLN3	22	0	11	7	5	8
PNLIP	0	0	0	0	0	0
LIPT2	113	27	125	98	19	67
KCNE3	2472	1507	2452	1747	2046	2226
CABP4	163	81	172	213	117	135
ALG10B	1213	669	1072	1192	602	1172
DRAP1	482	301	494	346	242	276
LONRF3	341	369	584	508	300	312
UCP3	246	119	282	298	121	163
UCP2	10285	5667	15442	11473	7908	8033
C11orf68	936	518	1124	900	539	668
PAAF1	1004	462	991	1031	228	763
MRPL48	622	294	709	555	344	446
RAB6A	7257	3839	8449	7474	5622	5097

P2RY2	299	242	666	339	564	203
FOSL1	12	50	87	43	11	5
ERCC4	1124	438	869	927	474	730
SUGCT	88	22	84	59	35	41
CCDC85B	406	276	521	404	308	238
TMEM70	665	356	917	730	531	487
OR4B1	0	0	0	0	0	0
RPS6KB2	1996	1278	2896	2163	1393	1555
RMI2	159	70	116	80	39	59
PRM1	0	0	0	0	0	0
TOM1L2	2199	1683	2977	2229	1643	1721
TEX26	0	0	0	0	0	0
ZNF77	191	79	199	243	142	177
GPR156	2	0	4	2	2	4
CCDC197	0	0	0	0	0	0
MTLN	40	10	38	36	14	18
KDF1	47	13	23	20	30	31
B3GNTL1	727	795	1267	673	546	596
RBMXL3	0	0	0	0	0	0
MLXIP	11755	6159	12406	10071	7246	7555
NR2F1	0	0	0	0	0	0
AURKAIP1	493	294	672	367	233	241
TTLL11	262	107	234	234	139	163
EIF4E1B	0	0	0	0	0	0
TOMM5	611	430	952	700	503	551
C15orf53	98	18	140	107	77	127
SLC35E3	2840	1322	2775	2405	1693	1948
PRIMA1	0	0	0	0	0	0
ZNF169	1292	753	1829	1463	1146	1365
RUVBL1	1136	542	1380	1159	679	878
SFN	10	36	38	20	11	6
MSRA	589	389	909	685	521	623
CBLL2	0	0	2	0	5	0
CCDC168	19	24	30	19	21	37
CTDNEP1	1647	1135	1910	2079	1412	1944
ETV4	6	0	3	3	0	0
SWI5	118	84	202	151	159	97
GAPT	1312	686	1717	1151	809	1191
BAIAP2	256	358	392	367	349	286
CALCB	59	21	68	41	31	32
CREG2	0	13	12	10	2	8
TMEM270	0	0	0	0	0	0
HOXD8	0	0	0	0	0	0
ZDHHC21	5685	2338	5445	3806	3402	3582
TSPEAR	18	30	2	2	0	2
PLEKHF2	3512	2156	4186	2996	2151	2610
A2M	114	54	172	116	43	65
ARL4D	31	16	82	80	15	26
DOK7	43	24	67	7	23	25
LRRN1	91	61	158	66	7	45
UBE2O	3043	1739	3507	2865	2312	2001
ORAI3	939	657	1304	863	608	592
KLHL38	0	0	0	0	0	0
UNC119B	1666	1052	1894	1782	1286	1494
DENND2C	458	364	857	365	1052	210
PLEKHD1	35	91	63	139	269	74
ASCL3	0	0	0	0	1	0
TUBB6	217	161	300	388	507	194

LYSMD3	2194	1368	2101	1798	1311	1654
AMIGO3	271	181	333	296	225	226
B3GALT6	809	340	810	739	398	520
ZNF613	324	120	293	169	35	148
C11orf16	3	0	0	0	0	0
TMPRSS7	0	0	0	0	0	0
NUPR1	4	14	0	5	0	0
JAKMIP2	419	170	530	325	179	249
MBLAC2	1001	396	688	778	363	767
TPRN	369	205	423	346	213	234
KCNE5	12	14	26	3	11	20
ZNF683	127	65	542	191	116	91
SLC35A4	1041	607	1342	1118	627	805
CRYBG2	56	15	310	47	51	54
IP6K1	2982	2307	4147	3211	2330	2286
SSNA1	210	313	297	209	123	322
CSTF3	1305	663	1271	1076	799	1009
YES1	1253	497	1211	1302	624	745
CHMP6	1160	552	1280	1016	685	802
UFSP1	28	8	32	23	3	10
MC5R	0	0	0	7	0	2
TMEM39A	1402	907	1828	1544	1158	967
TCP11L1	1206	643	1228	1263	564	866
GPX2	9	6	16	22	0	12
CCDC57	2650	1421	3196	2427	1352	1065
HSF5	251	231	391	340	190	183
FOXG1	0	0	0	0	0	0
SPHK1	217	99	196	200	218	161
BNIP3	808	461	858	688	373	622
ENTHD1	10	6	19	17	17	7
MYPOP	192	121	189	149	141	168
CIDEA	0	0	0	0	0	0
OR11H4	0	0	0	0	0	0
OR4D11	0	0	0	0	0	0
LRRTM4	0	7	0	0	8	0
ATAD5	839	440	896	795	420	662
SMIM19	280	152	450	387	381	242
OR11H6	0	0	0	0	0	0
ZNF404	229	120	160	126	85	142
RTTN	3958	1946	4627	4174	2430	3159
OR4K17	0	0	0	0	0	0
OR10H4	0	0	0	0	0	0
OR51B6	0	0	0	0	0	0
ACBD7	9	0	7	20	11	3
OR4L1	0	0	0	0	0	0
ANAPC2	2909	2067	3993	3734	2164	2140
OR4K13	0	0	0	0	0	0
HMGB4	0	0	0	0	0	0
ZBTB8OS	1104	575	1136	1008	645	814
OR4F21	2	2	2	5	4	4
SLC35G1	264	100	330	202	258	304
OR4K5	0	0	0	0	0	0
ZNF135	96	47	111	124	94	59
OR4N2	0	0	0	0	0	0
OR4M1	0	0	0	0	0	0
FOXR1	0	0	1	0	0	0
COX8A	654	326	785	611	437	462
TAC4	1	6	2	5	0	3

ZSCAN2	187	130	283	245	128	204
PRR18	2	0	2	0	0	0
B3GNT4	7	11	30	14	8	19
CDC26	270	141	271	208	172	183
HSD11B2	10	0	16	0	4	3
CRLF3	7792	4043	8074	6240	4133	4891
RNPEP	2589	1514	3901	2950	2149	1691
EID2	379	239	359	432	220	311
DMRTA1	0	0	0	0	0	0
EID2B	188	88	157	200	62	109
GJC3	0	0	0	0	0	0
RIMS2	0	0	0	0	0	0
KCMF1	3623	2032	4178	3591	2268	2583
DNAJC30	578	252	548	544	231	321
SPRYD4	1145	775	1645	1601	988	935
VPS37D	10	5	8	6	7	6
CLEC14A	1	0	0	0	0	0
SYNE3	10853	6195	12627	10992	8456	8639
CLK2	1952	1029	2283	2066	1203	1526
LPCAT4	982	643	1404	1157	689	839
SLCO3A1	3969	3427	5662	4460	3256	3050
ZNF575	50	16	99	35	13	39
WDR25	523	195	562	483	280	302
SGF29	634	304	793	608	314	419
PLA2G16	402	235	835	582	398	315
DIRAS1	51	22	115	114	185	62
OR5AN1	7	4	15	5	16	4
PHLDB3	351	270	515	461	340	296
PRR15	0	0	0	2	2	2
GNG7	867	493	1088	609	865	581
OR4C5	0	0	0	0	0	0
USF3	8187	5570	11087	8061	5879	6252
OR4C3	0	0	0	0	0	0
OR4S1	0	0	0	0	0	0
CNTD1	8	0	12	6	0	0
DCAF4L2	0	0	0	0	0	0
OR4X1	0	0	0	0	0	0
CNBD1	0	0	0	0	0	0
KBTBD11	2019	932	2251	1535	1438	1417
B3GNT5	828	1151	1753	940	522	425
MAP3K19	0	0	0	0	0	2
C14orf177	0	0	0	0	0	0
LMNB2	1097	582	1548	1095	767	869
RMDN1	2006	1029	2093	1723	1161	1398
MEX3C	5619	3804	8851	7922	3713	4373
HORMAD2	0	7	2	0	0	0
RNF152	22	50	42	35	29	20
MYO1D	739	443	1044	795	389	602
FOXL1	0	0	0	0	0	0
TGIF2LY	0	0	0	0	0	0
LRRC37A	1644	478	1090	802	358	1160
FOXC2	0	0	0	0	0	0
OR4F17	2	0	0	0	0	0
BDNF	9	5	8	10	23	2
CCDC121	45	29	56	26	17	52
ACSF3	4427	1151	2693	2371	1043	2034
BOK	75	41	57	2	31	94
ZNF843	12	8	12	10	8	18

C8orf59	1224	485	1397	1057	653	760
PFN4	12	6	7	5	12	7
OR51V1	0	0	0	0	0	0
MAGEB6	0	0	0	0	0	0
CDK5R1	456	414	559	499	357	287
TCERG1L	0	2	28	11	11	14
NCKAP5	28	0	29	33	40	15
MAGEB18	0	0	0	0	0	0
DEFB104A	0	0	0	0	0	0
RUFY1	2584	1938	3200	2163	3297	2257
OR52E2	0	0	0	0	0	0
BASP1	623	1079	1332	385	78	336
DEFB103A	0	0	0	0	0	0
OR51L1	0	0	0	0	0	0
LRRC37A3	603	409	1793	1346	509	434
VSIG10	135	88	182	104	70	104
IRX5	0	0	3	0	0	0
METRNL	2487	1964	4826	4226	2412	1742
FAM91A1	6256	4018	7721	6537	4660	4270
WSB2	1740	963	2267	1917	1498	1303
GRIN1	2	2	4	5	0	2
SOX11	0	5	1	2	3	0
TYMS	111	87	220	160	133	135
OR51G2	0	0	0	0	0	0
PXMP2	80	29	126	94	55	43
OR51A7	0	0	0	0	0	0
TCEANC	275	196	317	558	157	398
OR51T1	0	0	0	0	0	0
PNMA1	1354	910	1633	1348	1254	1034
TCIM	0	0	0	0	0	0
MAMSTR	54	20	35	34	30	17
ANKLE2	6685	3672	8073	6570	4155	4635
C8G	26	9	43	37	23	10
FUT2	12	2	0	5	6	9
OR51S1	0	0	0	0	0	0
OR51F2	0	0	0	0	0	0
EFCAB5	48	26	72	58	21	44
GCNT4	1647	885	1433	1268	531	1125
MUC20	358	58	137	311	93	180
THAP4	570	389	669	629	483	464
NFATC2IP	2638	1503	3850	2944	2357	2140
LY6H	0	0	0	0	0	0
FIBIN	0	0	0	0	0	0
FAM89B	527	422	876	630	357	480
SHMT1	623	404	648	696	296	300
DPP7	1703	841	2300	1804	1217	1265
TRIM60	0	0	0	0	0	0
SEC24C	8076	4717	10325	9771	5286	5104
FMR1NB	0	0	0	0	7	0
SMCR8	8476	5890	11982	8819	6748	6484
MTHFR	4786	2451	6286	5005	3864	3677
DEFB104B	0	0	0	0	0	0
C19orf18	23	10	36	33	14	16
DEAF1	983	636	1133	939	624	692
MTX3	3219	1680	4065	2995	1997	2601
TMEM80	698	361	805	658	540	502
SIX5	22	27	45	40	26	29
IFNW1	0	0	0	0	0	0

FBXO46	1110	723	1467	1195	699	885
ZDHHC13	1728	879	2419	2218	1266	1390
SLC38A9	1951	950	2209	1619	1303	1385
ACER2	226	228	389	279	391	239
WDR73	1927	1016	2203	1687	1219	1481
POLE	3017	1849	4361	2896	2170	2570
PHETA2	104	78	28	26	90	101
SCN4B	7	8	26	10	24	9
DSCAML1	19	12	25	7	10	12
RHOG	3121	2671	4921	3318	2604	2508
EPS8L2	33	57	34	80	53	40
ZDHHC22	0	0	0	0	0	0
ANO6	9413	6816	13197	9647	13144	7960
ZBTB34	3662	3353	5540	3724	3776	3061
FAM9B	5	4	9	23	19	7
CETN1	0	0	0	0	0	0
NUDT4B	242	123	312	271	196	227
FAM210A	858	181	818	848	501	683
OR2T35	34	0	1	16	0	0
TALDO1	3876	3849	6136	3550	3170	2865
ULK1	2455	2421	4495	2447	2070	1905
OR14C36	0	0	0	0	0	0
RIMKLA	5	0	14	25	8	16
CLVS1	7	2	6	3	0	10
OR2M7	0	0	0	0	0	0
RPS6KA3	17221	10007	16244	14619	10344	11650
B3GNT8	169	244	387	109	60	102
PUS1	817	402	810	902	485	641
CHD9	6782	3311	9384	8761	6466	6343
OR2T12	2	0	0	0	0	0
SPACA4	0	0	0	0	0	0
OR2T33	3	0	0	0	0	0
GATD1	1116	796	1593	1544	1060	1294
TRIM72	15	5	22	22	8	6
MAN1B1	2334	1425	2851	2973	1659	1949
DEFB103B	0	0	0	0	0	0
DEFB4B	0	0	0	0	0	0
KCNA3	3606	2016	4133	3388	2268	3037
OR2AJ1	5	0	0	1	0	0
FZD8	12	12	27	36	16	12
GJD4	5	0	11	8	0	0
FBXO39	10	15	28	43	26	14
CLDN22	26	6	36	24	5	4
KCNA2	186	116	223	167	169	222
TOP3A	2574	1632	4079	2810	2208	2472
CASKIN2	12	7	38	12	13	18
ZBTB38	3106	998	7500	4526	299	545
BEND2	861	983	1520	560	2307	908
CCDC71	854	360	822	808	415	537
C10orf71	0	0	0	0	0	0
LRRN4CL	13	2	10	2	2	3
TIMM22	511	369	716	809	366	354
HIC1	124	216	475	10	234	100
PPFIA3	120	80	172	136	43	99
MAGEF1	285	107	315	273	162	152
UMODL1	24	15	51	16	10	8
SAMD9L	5619	4440	10929	4751	2900	6472
UBE2U	0	0	0	0	0	0

PAWR	1092	559	1009	547	606	719
TGIF1	661	407	952	904	344	623
MIEF2	325	243	403	353	254	42
NAP1L5	132	128	216	173	114	97
NIM1K	25	10	25	16	10	26
CD19	934	559	1045	576	639	485
ERICH5	3	0	0	0	4	4
OR2T8	3	4	3	3	1	8
NR2C2	10745	5713	11705	10534	6331	7500
GPR4	0	6	0	0	0	0
ACOT4	74	34	115	71	35	68
OLIG3	0	0	0	0	0	0
CAVIN1	20	10	18	14	20	14
OR2G3	0	0	7	0	0	0
ARIH2	5496	3478	7901	6221	4072	4381
RBM44	714	190	1067	634	439	426
ZBTB33	3802	2307	5537	4882	2600	3308
OR2G2	2	0	0	0	0	1
ZBED2	40	6	25	32	15	17
VCX2	0	0	0	0	0	0
IRX3	0	0	15	10	15	0
ST8SIA3	0	0	0	0	0	0
RPRM	0	7	0	0	0	0
OR2B11	0	1	7	3	7	0
SLC25A22	566	307	787	609	375	451
RABEP2	988	656	1714	1196	728	801
NHLH2	0	0	0	0	0	0
ATOX1	1754	970	2079	1953	1449	1386
FAM187B	0	0	0	0	2	0
TBL1XR1	12820	6878	15524	13906	9228	10514
SAMD12	871	410	636	1411	726	1384
CD163	4636	2318	4818	4061	2554	3922
C18orf32	933	1118	1711	822	989	658
PIDD1	669	366	952	663	457	599
ZNF491	280	104	290	260	58	133
RPLP2	10684	5983	11918	9523	6264	9538
HASPIN	41	8	45	20	26	14
JUN	367	2062	4174	748	516	309
CSTF2T	2818	1292	2830	2756	1425	2032
PGBD5	63	3	0	12	24	24
C12orf54	0	0	0	0	0	0
GBA	1162	777	1650	1190	893	893
ACAD9	2032	978	2233	2460	1315	2185
IL17RA	18626	12047	24264	16584	10673	14552
PNPLA2	2386	2015	4221	2641	2058	2187
MBOAT4	10	2	9	3	8	6
TEX44	0	0	0	0	0	0
AGTRAP	1460	889	2011	1272	888	923
CD163L1	59	21	70	40	53	51
SRRM3	2	0	0	0	0	0
THAP5	1726	920	1758	1381	774	1008
DEFB114	0	0	0	0	0	0
CRACR2B	47	34	114	50	99	58
SUMO4	510	267	437	322	197	322
MAGEB10	0	0	0	0	0	0
DNAJC28	18	7	24	37	9	32
OR4F4	0	0	0	0	0	0
NAALADL2	28	13	40	52	27	45

CD151	1200	729	612	996	1587	698
POLR2L	301	199	390	321	179	223
FAM20C	595	314	700	304	322	362
NECTIN3	95	83	340	136	81	239
SLC35G5	37	16	19	28	17	14
ANXA2R	822	340	882	565	383	674
TMEM94	1958	1194	2474	1962	1147	1137
FLII	7307	4831	9791	7982	5787	5978
SOX12	380	250	403	260	261	193
HNRNPA0	4121	2293	5141	4560	2653	3077
YIPF7	5	0	0	10	0	2
MYOZ1	0	0	0	0	0	0
KCNJ10	5	6	8	7	3	6
CHID1	999	499	1245	994	648	650
PCDHB9	19	2	2	0	11	0
ZNF620	326	103	350	121	114	105
ZNF518A	5384	1152	2148	4889	1045	2309
TMEM187	129	82	230	105	53	107
SVBP	90	78	208	143	137	109
ZNF619	562	254	685	574	336	386
CCDC184	12	25	25	24	12	3
AP3S1	1849	1194	2343	1949	1403	1409
GRB2	5038	8253	12978	5112	9133	8359
ZBTB41	2893	1368	2824	2456	1655	2373
UBE2N	3716	2033	4810	3519	2613	2770
ARL6IP6	644	561	714	848	489	550
ZNF354C	1356	534	1406	1037	480	1016
CAPZA3	0	0	0	0	0	0
MAMDC4	388	134	359	326	220	183
CENPBD1	316	160	256	212	147	239
ODF3	7	5	2	5	0	8
BET1L	2205	1445	2906	2366	1541	1662
RPS27	2518	1995	2980	2570	1570	2641
RIC8A	1957	1558	2918	2485	1521	1544
IMP3	987	423	1165	1139	554	694
ASB8	1757	1032	2337	1844	1328	1265
LCN15	0	0	0	0	2	0
ODF3B	748	514	1178	792	563	571
DPY19L2	256	53	51	148	89	134
SPATA31E	0	0	0	0	0	0
C2orf73	0	0	3	0	2	0
GPR150	39	7	48	28	23	46
TSPYL6	12	0	20	6	5	2
LRRC75B	20	13	28	19	15	17
DMAP1	2024	1303	3207	2376	1527	1606
ADAMTSL1	0	0	0	0	0	0
CALHM5	91	85	129	136	292	92
IMPDH2	1389	705	1307	1101	807	1109
ALS2CL	641	309	696	521	413	445
MLF1	31	13	99	51	39	21
PRSS42	10	0	9	0	1	0
NDUFAF3	780	459	1067	866	672	717
C2orf69	1330	813	1735	1405	931	989
GRAMD1C	235	352	281	102	87	110
STAP2	16	15	24	24	15	0
HTR3C	0	0	0	0	0	0
TSSK6	148	49	137	97	46	83
BOLA1	56	22	112	25	44	34

PDE4DIP	4577	2371	4413	3959	1883	3781
DDX10	2111	950	2331	2025	1150	1523
GOLGA8Q	176	109	181	318	56	108
PPP1R42	0	0	2	2	0	0
NDUFV2	2250	1310	2899	2411	1855	1639
DALRD3	538	290	579	516	310	399
ZNF114	2	0	6	4	0	0
ZNF518B	3775	2442	4423	3371	2032	2815
AMER3	0	0	0	0	0	0
SPINK6	0	0	0	0	0	0
ZNF366	123	61	128	113	90	91
LCORL	4079	1967	3829	3476	2336	3183
PARD6G	17	12	32	19	67	17
ZNF454	0	0	0	2	5	0
SH2B1	2955	1877	3277	2860	1739	2345
ZC3H12D	2785	1615	3834	2255	2193	2620
VN1R1	35	36	30	32	14	28
KDELC2	886	563	1290	1052	440	724
PLEC	32889	19375	47422	33846	23407	24370
SH2D4B	49	22	26	20	18	11
RNF212	87	36	71	29	27	58
PRSS36	60	32	86	51	27	32
ZNF543	686	342	512	484	384	412
TMEM151I	5	0	2	0	0	0
GALNT11	2141	1311	2340	2640	1557	1751
SLITRK1	0	0	0	0	0	0
WDR6	3112	1541	1296	779	777	855
PRM3	0	0	0	0	0	0
TNP2	0	0	0	0	0	0
SPAG11A	0	0	0	0	0	0
GEN1	1451	327	695	625	547	472
TMPRSS9	18	15	14	22	22	7
AQP11	22	20	25	36	16	9
TMEM11	347	307	549	427	230	441
ZNF354B	901	334	725	562	414	453
KCNG2	12	5	9	16	15	8
SHISA3	8	6	2	0	2	2
OR2D3	0	0	0	0	0	0
CALML3	0	0	0	0	0	0
CALML5	0	0	0	0	0	0
ZFAND2A	635	695	1321	1027	670	457
PLEKHM3	3741	2425	4886	3652	2628	2599
ZNF223	134	92	199	170	38	84
HTR1A	0	0	0	0	0	0
CCDC185	0	0	0	0	0	0
FAM220A	527	263	649	580	284	535
DNAJC22	0	0	0	2	0	2
NEUROG2	0	0	0	0	0	0
CEP295NL	288	299	610	289	279	307
BEND3	201	98	272	197	137	116
NT5DC1	2174	980	2198	1757	1208	1832
GLDC	188	70	39	24	25	32
COX14	480	324	705	555	429	392
MCMDC2	36	12	37	15	13	15
TUBAL3	0	0	2	2	0	0
P4HTM	1461	662	1644	1670	918	1252
UCN3	0	0	0	0	0	0
DTX3	550	272	761	576	291	277

KLHL11	740	593	1055	1154	556	690
AMBN	0	0	0	0	0	0
CTXN1	0	2	0	3	0	0
SLC25A20	810	505	762	945	554	757
CA8	65	111	209	69	71	49
CD28	2280	3012	8051	1927	3309	5954
EPM2AIP1	6747	2953	7261	5779	4661	4657
ERBB4	4	0	0	0	0	0
MAF	3420	1649	3871	4337	1869	2485
CTNNBIP1	785	421	943	845	680	620
OR6B3	0	0	0	0	0	0
DEFB125	0	0	0	0	0	0
PSAPL1	0	0	0	0	0	0
OTOS	0	0	0	0	0	0
GTPBP6	1787	971	2300	1956	1216	1312
ERN1	9745	5631	9732	12745	7823	6199
GPR35	432	388	1310	324	372	361
C10orf53	0	0	0	0	0	0
CSRNP3	0	0	0	0	0	4
ZNF713	242	173	292	149	153	151
PARP10	2672	1516	4406	3361	1911	2381
DYNAP	0	0	0	0	0	0
SUZ12	3915	2078	4341	3755	2319	3015
NSUN3	2126	928	2080	1951	1150	1617
KCTD12	17758	6667	19529	15388	9563	14276
DHFR2	603	255	458	514	15	437
RPP25	65	51	98	59	55	24
GRINA	690	684	1262	722	585	878
THBD	462	720	716	396	239	189
GP5	643	470	637	571	1229	341
COX5A	487	246	531	470	334	316
STX19	6	1	0	0	0	4
ERFE	8	6	18	2	10	2
FAM219B	1957	498	2512	1779	1222	1523
ZHX2	2173	1494	3005	2570	1395	1821
CPN2	0	0	0	0	0	0
CPNE7	11	2	13	6	2	17
C5orf46	0	0	0	0	0	0
CD300LB	1952	1086	2516	1633	1597	1313
GDPD4	0	0	0	0	0	0
RIIAD1	0	2	0	4	0	0
MPI	793	387	840	701	446	641
H1FOO	0	0	0	1	0	0
TRIM73	552	253	616	492	383	433
OPLAH	78	136	326	145	144	110
TMEM52	0	0	0	0	0	0
TMEM139	17	12	12	3	8	12
RNF186	0	0	0	0	0	0
EFCAB13	1806	941	2879	1774	965	779
MSC	51	40	98	186	39	62
APOLD1	271	151	148	193	133	133
RFLNA	0	2	0	0	0	0
EXOSC4	120	83	201	110	99	105
DPY19L3	1186	1138	1695	1121	1114	1280
TAF7	3906	3018	5109	4283	2315	2649
ZNF852	941	550	1091	1093	555	916
FOXE1	0	0	4	7	0	2
PFAS	1271	612	1408	1109	755	861

HYI	84	83	129	119	45	78
CYBC1	5756	3516	7800	5543	3322	4100
TPRX1	0	0	0	0	0	0
LGALS7B	0	0	0	0	0	0
ZNF552	642	380	731	577	338	551
SMIM10L2	102	33	62	75	30	34
GAK	7335	5184	10611	8489	6241	5852
ZBTB7A	4756	2869	6951	5330	3192	3585
TUFM	2253	1400	3275	2801	1803	1957
ERICH3	31	8	41	11	30	22
RMI1	858	489	1013	706	441	678
CTC1	6083	4294	10522	7147	4319	5911
FBXO34	2366	1318	2867	2619	1574	2139
SELENOW	1066	770	1939	1534	1155	972
EIF3K	3546	2299	4729	4171	3004	3046
MRFAP1L1	1619	892	1679	1786	705	1401
SNX18	7060	3520	8245	6540	3520	5003
EXD1	2	4	2	2	2	0
AURKB	40	32	53	43	41	27
TAS1R2	0	0	0	0	0	0
C14orf39	0	0	0	0	0	0
MRFAP1	3290	1932	4352	3973	2119	2781
C3orf38	2380	1420	2995	2282	1622	1939
KLHDC7A	8	20	18	25	0	22
TMEM107	422	369	865	498	573	389
RRS1	383	193	320	305	168	287
EXOC3L1	21	11	25	11	8	9
TRIML2	0	0	0	0	0	0
RCC2	6943	3422	9122	6435	4739	4761
OR13D1	2	0	0	4	0	0
IGSF22	21	5	13	14	3	13
C9orf50	0	0	0	0	0	0
ZFP42	0	0	0	0	0	0
CCDC89	74	25	35	65	25	56
FAM133A	0	0	0	4	0	0
DPM3	156	96	237	158	131	136
C12orf42	429	126	269	229	160	268
CYC1	689	385	976	706	513	522
PER1	3118	5778	8031	6427	5166	1945
HTR1F	6	2	0	15	6	10
TMTC2	1647	849	2185	1534	1059	1358
HES7	1	0	12	5	5	6
FARSA	947	395	1026	929	489	642
SPTY2D1	3017	2927	5078	3684	2407	2388
C10orf67	7	0	2	0	0	2
SAMD4B	1954	1926	2961	2285	1500	1368
CYP11B2	0	0	0	0	0	0
GIMAP7	3367	1323	2307	2285	1050	2788
ALOXE3	2	2	0	0	0	0
EDC3	1599	815	1894	1786	1246	1239
TCAIM	1244	845	1521	1152	1313	958
FUCA1	858	405	1527	1196	754	924
PXT1	10	2	0	2	8	0
GGN	10	4	24	2	8	0
HNRNPCL	0	0	0	0	0	0
TMEM125	8	0	0	4	0	2
ZNF664	3780	2228	1051	430	3247	2945
SIGLECL1	2	0	2	4	1	1

CALR	8727	5157	12018	7753	6232	5820
MAGED1	1191	483	1154	1193	616	708
GVQW3	323	155	298	218	151	231
LDLRAD3	356	134	586	320	342	251
CDH4	2	9	14	6	26	4
SMCO3	0	0	0	0	0	0
RAD23A	1069	679	1377	1140	665	625
PCARE	0	0	0	2	0	0
GADD45G	150	71	192	178	47	110
DAND5	2	0	0	0	0	0
TMEM151A	0	0	0	2	4	0
PTPN11	6893	3726	7899	7105	4735	5300
NSUN7	70	175	141	40	64	19
RTL3	0	0	0	0	0	0
FAM156B	1443	0	1587	1325	947	974
WSCD1	10	6	8	11	3	4
RAB39A	241	93	193	192	181	176
CLK3	3136	2397	4648	3503	2183	2388
HLA-DQB1	10794	1075	17090	1200	12174	2136
GATA2	587	639	1312	1208	267	668
ARID3B	1831	1683	3186	2107	1693	1207
TMEM31	0	0	0	0	0	0
PACS2	2477	1435	3381	2594	2176	1668
ELMOD2	2022	839	1850	1832	904	1532
EGR3	298	2045	1832	413	181	49
CATSPERE	174	38	116	145	134	142
GPC5	14	18	15	19	10	4
VWA1	0	0	0	0	0	0
DNAJB8	0	2	11	0	4	0
GEMIN4	881	569	1291	1201	641	758
HNRNPCL4	0	0	0	0	0	0
FJX1	3	0	0	0	0	0
KLHL28	3137	1998	3219	3203	1880	2378
MKRN3	36	44	38	43	35	25
ZBTB18	5399	3511	5526	4492	3029	3372
OR9A2	12	0	3	0	8	3
C14orf28	308	217	346	245	149	237
ALOX12B	2	10	4	5	2	2
SLC17A8	1	0	0	0	0	0
SHARPIN	675	478	826	530	395	432
LBX2	31	10	60	36	16	22
DNHD1	3644	1823	3884	3724	2749	2791
SLITRK4	428	227	376	456	213	524
HTR1D	2	0	0	0	0	0
GCC1	1351	1165	2522	1727	865	1123
LSMEM2	3	5	12	0	0	5
RNF151	3	0	1	0	1	3
CIITA	26067	8902	17954	20962	18581	15233
ZFPM1	663	552	975	757	561	564
ALOX15B	14	21	91	66	87	52
PLD6	546	201	230	334	111	177
GPHB5	0	0	0	0	0	0
GRM8	0	0	0	0	0	0
CDC42EP4	297	288	555	372	223	277
OR2AP1	0	0	0	0	0	0
OR6C4	0	0	0	0	0	0
ZBTB42	257	164	253	287	122	210
LACC1	358	188	477	481	274	389

MAF1	1516	1072	2165	1514	1102	1291
TPPP2	0	0	3	0	0	0
FCER1A	1232	491	1493	2462	637	696
RPRML	10	0	2	0	0	3
ARL14	0	0	9	0	5	1
OR6C2	0	0	0	0	0	0
WDR97	208	148	207	183	98	133
NLRP8	0	0	0	0	0	0
PCED1B	3529	820	786	761	333	1698
APOBEC3B	203	171	594	228	341	111
SYCN	0	0	0	0	0	0
PIPOX	129	38	89	100	87	83
FOXS1	0	0	0	0	0	0
ATOH7	0	0	0	0	0	0
CDH5	9	0	2	14	0	3
LRRC3B	0	0	0	0	0	4
FAM216B	0	0	0	0	0	0
MRGPRX4	0	0	0	0	0	0
MYADM	5642	8160	12918	2258	5610	1472
MRGPRX3	0	0	0	0	0	0
MROH1	3338	1757	4388	2973	2335	2358
SERTAD2	4441	3533	6089	4661	3569	3446
AKAP5	699	204	1025	1048	391	276
NKPD1	12	12	19	49	20	35
GIPC3	113	75	91	93	177	51
RNF227	260	130	238	303	139	133
CITED4	94	77	251	101	64	70
ABCA13	611	515	1492	409	628	2138
NLRP11	2	2	0	0	22	0
TIGD5	583	248	598	563	263	399
PDXDC1	3205	2324	5206	2880	3608	3025
C1orf194	0	0	4	0	4	1
ZNF154	1317	1018	720	1108	963	511
R3HDM2	3760	2090	4546	3748	2413	3204
B3GNT3	4	7	17	13	16	8
ITLN1	16	2	8	15	3	4
NRXN1	2	41	32	2	2	4
SEPHS2	2633	1251	3154	2665	1527	1871
OR10A7	0	0	0	0	0	0
GPBAR1	418	179	555	418	363	309
ZNF784	172	189	351	271	199	162
ZNF648	2	0	0	0	0	0
C14orf119	999	642	1123	865	812	932
CCR8	33	35	49	51	17	51
GOLGA8J	27	11	0	6	0	2
BBS10	822	377	741	694	364	727
FIZ1	350	161	458	127	267	312
PUF60	1929	1188	2632	2159	1333	1051
SSC5D	20	21	19	17	7	12
DCTPP1	270	156	483	259	200	286
ZNF771	85	57	93	64	48	72
TSHZ1	2654	1293	2806	3036	1583	1845
PSTK	163	104	251	201	111	96
SOCS4	3177	1918	3345	3182	2389	1845
ZADH2	3323	1556	3259	2932	1885	3102
OR1E1	0	0	0	0	0	0
ZNF48	422	180	340	274	248	203
AC087498	0	8	0	0	2	1

FAM71E2	0	0	0	0	0	0
C3orf80	2	0	4	2	5	0
NKX2-6	0	0	0	0	0	0
TMEM150I	318	116	533	299	238	281
ANKRD18A	97	43	81	44	77	130
WFDC11	0	0	0	0	0	0
TMEM86B	580	397	758	583	406	454
OR3A1	1	0	1	2	0	2
1-Sep	4140	2297	5095	4644	2340	3182
TRNAU1AI	673	393	894	641	441	537
EXOC3	3318	2095	3899	3418	2314	2237
TDRD6	8	4	12	11	4	6
C12orf40	19	6	20	13	10	17
CSNK1A1L	1	2	6	0	0	1
LYNX1	364	29	101	167	87	45
TH	0	0	0	0	0	0
MED14	5184	3275	5595	4919	3240	4103
FAHD1	423	186	415	454	226	267
TDRP	267	286	475	233	859	190
RCC1	948	356	1048	751	383	593
WFDC9	0	0	0	0	0	0
MYLPF	5	11	10	0	0	0
F2	0	0	3	0	0	0
FAM71C	0	0	0	0	0	0
PRKRA	968	811	1518	1470	628	819
ZNRF2	3094	1590	3671	2990	2059	2327
RRH	29	7	25	24	5	17
SLC9A4	0	3	0	0	0	0
ZNF816	709	293	668	641	265	613
FGD6	2139	824	1791	1822	1161	1959
ADGRD2	0	0	0	0	0	0
GPR139	0	0	0	0	0	0
PLD5	4	13	4	4	6	1
OAZ2	1851	2333	3407	2036	2056	1742
WFDC10A	0	0	0	0	0	0
PNPLA1	31	54	94	48	31	37
ALX1	0	0	0	0	0	0
CCDC43	840	452	1057	941	561	605
KCTD4	0	5	13	5	0	2
MEIOC	0	0	6	2	0	4
FZD2	219	78	226	214	163	129
TIGD2	639	217	532	637	197	380
ITPRID1	0	0	0	0	0	0
HCLS1	14705	10226	18592	14668	8961	11605
MTURN	961	1356	2050	1524	2876	4019
ZNF609	9103	5112	9428	8479	5612	6984
PAK2	15548	10026	18974	14525	10181	10970
CCDC66	2919	1382	2757	2192	1457	2035
DEFB124	0	0	0	0	0	0
KRTAP9-7	0	0	0	0	0	0
MCFD2	2651	1493	2892	2376	1887	2038
HARBI1	291	160	427	300	135	195
DEFB123	0	0	0	0	0	0
C11orf71	273	163	316	272	155	228
CYP8B1	0	0	0	3	0	0
OR6K6	0	0	0	0	0	0
SERTM1	0	0	0	0	0	0
GAS1	73	41	38	44	6	18

ARHGAP4	22001	14545	35204	21827	15003	16309
OR10Q1	0	0	0	0	0	0
ZNF571	221	142	467	683	363	364
GLIPR1L2	7	3	22	17	40	39
DEFB119	0	0	0	0	0	0
MIGA1	3598	1683	3561	3328	2063	2651
KCNE1	327	423	734	196	321	243
PRR26	0	0	0	0	0	0
NRIP1	5592	2813	5844	4834	3228	4188
ZSCAN4	0	0	0	0	3	0
BHLHA15	25	10	11	4	4	1
RNF182	26	19	12	58	24	7
TSPYL5	389	213	565	457	182	226
FUT7	215	270	628	297	200	400
HIST1H2A	2355	2652	4589	2655	7617	2859
EIF2S3B	305	327	406	12	292	402
SKIDA1	9	4	0	10	1	0
HIST1H2B	2072	1724	3671	2582	2410	1885
MB21D2	247	100	283	241	234	235
GSX2	0	0	0	0	3	0
SSTR2	0	0	0	0	0	2
ZNF594	1491	529	657	576	491	758
PCGF5	10512	5409	10924	9600	9839	8732
SLC47A2	0	0	0	0	0	0
PRF1	24203	1984	39192	8130	16210	3525
OR2A4	101	9	117	31	46	38
MAB21L1	0	0	0	13	0	0
YOD1	2684	2084	4007	3253	2574	2765
TMEM64	1321	822	1701	1627	2023	1292
C3orf22	6	0	0	0	0	2
OR10K2	0	0	0	0	0	0
CHRM4	15	24	35	27	29	7
SHISA2	34	39	11	47	10	20
S1PR5	1919	1219	3830	3361	1095	1114
CLRN3	0	0	0	0	0	0
GPR157	366	340	527	299	318	292
CHST13	146	54	158	184	100	87
AGTR2	0	0	0	0	0	0
SLC36A4	2664	1425	3023	2231	2284	1923
ZDHHC20	10152	4818	11430	9669	6085	7648
ANKRD30	0	0	2	1	0	0
OR51E1	0	0	0	0	0	0
ZFP3	1266	427	1038	1027	494	883
ARSJ	56	16	51	61	18	8
HOXC9	0	0	4	0	0	0
MAP3K15	31	40	17	16	4	5
PPA1	2077	1281	2335	1574	1367	1750
HOXC10	0	0	0	0	0	0
PSMG4	1843	687	1656	1120	834	1203
BHLHE22	0	0	0	0	0	0
MAP6D1	14	80	8	13	5	4
ZNF443	420	191	484	345	172	290
CXCR2	1955	7807	6468	1189	634	512
DEFB112	0	0	0	0	0	0
GREM2	27	25	55	41	4	28
C11orf42	0	0	6	0	0	0
SSR4	2049	1213	2340	1999	1575	1654
CAPS2	430	178	369	340	162	193

ZNF792	1777	864	1967	1896	1069	1382
CUEDC1	574	314	969	542	485	319
SCRIB	1985	1056	2885	2071	1170	1568
KCTD2	1352	993	1825	1471	1011	1016
D2HGDH	1676	818	1942	1214	888	1053
OXTR	28	42	101	57	104	72
CMTR2	2527	1232	2408	2213	1553	1875
OR56B4	2	0	0	0	0	0
FAM83H	365	170	414	255	173	244
GPR62	1	0	0	0	0	6
OR56A1	5	5	7	14	6	4
ZNF572	251	52	202	119	66	131
ST20	382	276	490	260	213	205
PITPNB	3908	2044	4927	3933	2766	2825
TCEAL8	651	298	570	537	378	486
OR52E4	0	0	0	0	0	0
LRRC57	1603	1064	2437	1906	1417	1384
OR52N2	0	0	0	0	2	0
MRPL14	390	210	498	414	226	354
GPR137C	38	8	28	16	16	13
C1orf105	0	0	4	0	2	1
OR52N1	4	1	0	0	0	0
BBS12	215	94	203	174	111	134
ZFP82	729	311	523	626	410	440
OR52N5	0	0	1	0	0	1
C17orf47	0	0	0	0	0	0
LSMEM1	66	68	57	46	64	39
NQO1	88	35	31	79	70	67
OR56B1	65	16	36	64	46	30
AEN	1325	980	2028	1831	1095	1091
FKRP	142	119	156	125	95	65
TRAPPC5	247	94	230	187	11	143
RPH3AL	150	75	177	208	121	92
SLC25A42	1298	676	1763	1479	852	906
FCRL6	1994	1280	5791	4335	1618	2092
METTL23	648	367	839	776	418	474
SLC26A11	1038	638	1496	1133	487	951
HIGD1A	1418	935	1969	1685	1645	1217
CHRM2	0	0	0	0	0	0
OR52N4	48	31	45	35	22	9
MAPK15	4	0	9	2	5	0
EHMT1	5557	3185	6351	5802	3734	4320
ADIPOQ	0	0	0	0	0	0
F2R	2689	1701	3913	3914	2861	2266
ZNF707	552	308	397	499	224	281
MUC16	34	49	22	46	24	71
NPM1	10001	5310	10829	9046	6010	7598
PJA1	323	225	421	547	279	207
DHTKD1	2130	1530	3269	2103	1591	1611
PENK	0	0	7	0	0	0
C4orf50	469	252	635	502	188	458
HIST3H2A	140	96	146	153	129	113
ZNF746	2480	2242	3397	2702	1485	1677
POLR2A	11426	7886	15017	12054	7664	8550
TMEM132(	36	17	18	10	16	10
SLC25A41	2	0	2	8	0	0
TMEM136	0	13	14	0	8	13
OR5AK2	0	0	0	0	0	0

FRAT2	1732	2017	3404	1736	970	1363
TMEM102	566	175	555	541	266	443
TMEM132I	4	5	2	4	0	10
ZNF322	1319	530	1403	1097	525	983
NME9	23	5	24	7	11	17
SPEM1	0	0	0	0	0	0
HEPHL1	1	0	0	0	0	0
LRRC75A	301	106	311	209	110	207
OR5M8	0	0	0	0	0	0
CCL13	0	0	0	0	0	0
CFAP65	0	0	3	3	0	0
DDX60L	11666	8155	16370	10761	7633	9766
SYNE4	77	16	77	50	29	38
OGFOD3	740	408	781	722	422	620
WASHC1	309	188	800	237	544	551
UTS2R	0	0	0	0	5	0
AATK	634	738	1746	883	256	333
DDN	0	12	8	8	11	0
SAGE1	0	4	2	0	0	0
ZNF467	1112	811	1645	782	705	892
SOX2	0	0	0	2	4	0
ZNF678	191	313	291	196	149	158
TMEM45A	29	20	68	12	49	34
RAP2B	11884	5176	12910	11031	7787	7606
ZBTB2	1611	838	1936	1555	905	1033
RNF135	1848	841	2007	1379	1229	1332
OR6T1	0	0	0	0	0	0
ACBD4	550	247	671	472	291	397
OR8D4	0	0	0	0	1	0
SGSH	2260	1080	2833	2042	1174	1713
MAB21L2	40	18	28	43	11	32
FANCB	431	225	565	502	287	303
EDDM3B	0	0	0	0	0	0
SETD2	12354	7810	16430	12549	7946	9829
EDDM3A	0	0	0	0	0	0
C6orf223	0	0	0	0	2	0
TMIE	24	34	48	40	28	47
MEX3D	114	92	136	126	61	76
OR52D1	2	0	0	0	0	0
MRPS23	967	470	997	938	514	741
OR52H1	64	32	85	41	18	19
FDCSP	0	0	0	0	0	0
GPR135	240	141	230	294	147	248
SLX1B	1086	869	1308	1204	738	1140
ANKRD62	2	0	2	0	2	0
P2RY13	3594	3997	5083	2322	2334	2362
TNFSF15	175	57	86	21	25	8
ZFP41	652	465	1006	706	535	501
PHLDA2	0	13	15	13	2	0
ATG9B	126	101	155	150	89	158
GPR88	15	7	4	8	8	6
HKR1	1518	524	1960	1247	1122	1102
PLAG1	539	508	145	821	510	1042
OR8H1	0	0	0	0	0	0
OR5T1	0	0	0	0	0	0
YIPF6	616	322	3241	659	407	570
OR5T2	0	0	0	0	0	0
ZBTB20	16365	1971	18702	14315	9457	12375

OR2Z1	0	0	0	5	0	0
C3orf58	3085	1556	3103	3182	1980	2402
C5orf30	306	199	458	296	358	264
OR8K5	0	0	0	0	0	0
AMIGO1	1462	616	1117	1215	579	1002
OR8H3	0	0	0	0	0	0
OR8H2	0	0	0	0	0	0
GPR3	5	3	5	10	3	8
TMEM252	4	12	6	5	2	0
ODF3L2	0	0	0	0	0	0
OR5AS1	0	0	0	0	0	0
ACTL9	0	0	3	3	0	0
SIAH2	1729	1262	2711	2201	1729	1568
COPG1	3956	2014	4804	4216	2603	2569
ADGRB1	181	77	267	138	149	158
OR6S1	1	0	0	0	0	0
SLC9A9	2168	1084	2696	2167	1862	1576
LSM10	842	512	1074	791	475	667
RELL1	942	1047	1206	1186	770	835
RFX7	4841	938	4540	4087	1701	1675
SLC35C1	933	476	1071	886	436	711
TIGIT	778	356	1023	1466	593	627
RNF41	1705	1370	1983	1517	1220	1684
SLC2A4	0	0	0	2	0	3
FTMT	0	0	0	0	0	0
IBA57	1293	1075	1864	1757	838	940
CLDN7	94	44	115	43	46	21
ZNF329	276	401	405	348	337	92
ZNF101	4117	2196	4912	4109	2333	3446
OR4C6	0	0	0	0	0	0
C5orf24	503	256	592	330	324	261
ADO	1636	911	2083	1332	788	1091
COA4	770	367	918	797	426	533
OR4P4	0	0	0	0	0	0
PRKAG1	1176	733	1468	1130	848	999
GINS3	101	83	178	164	95	71
OR4C15	0	0	0	0	0	0
OR4A15	0	0	0	0	0	0
OR4A16	0	0	0	0	0	0
OR52K2	157	87	261	140	140	187
NEUROG1	0	0	0	0	0	0
CCDC149	664	441	663	746	802	647
MRPS11	595	279	664	641	398	472
SNRPE	539	394	703	607	285	412
RTKN2	218	263	406	233	143	568
PNMA8A	43	4	21	0	10	38
CHST15	6998	5981	10198	5848	5065	5059
ADIG	4	1	2	3	2	0
USH1G	0	0	0	0	0	4
MGAT4C	0	0	2	0	0	0
TRIM49B	0	0	0	0	0	0
IDH2	2812	1252	3661	2988	1884	1905
OR52A1	0	0	0	0	0	0
OR6B2	0	0	0	0	0	0
TMEM259	4412	2117	5252	4237	2978	2620
WRB	663	630	1092	736	1454	393
TNRC18	8235	5681	11813	7895	6101	5575
FAM181B	2	0	0	0	0	0

TMEM30B	104	58	146	95	39	89
DEXI	467	382	595	386	416	516
ZNF716	0	0	0	0	0	0
NOP10	369	262	496	299	191	261
FAM89A	218	87	186	157	102	160
KCNIP1	3	0	0	0	0	0
TDRKH	610	294	700	676	439	544
ZNF708	2886	1099	2528	2314	1473	1874
IST1	3987	2810	6103	4221	3066	3223
ERCC6L2	5964	2668	6307	5526	3055	3728
MRPL41	456	219	566	383	304	376
ENPP7	14	0	0	0	8	0
CREB3L2	5080	2622	1907	5977	3660	3935
P2RY8	10399	4751	12483	10463	6392	6208
UNC5C	0	0	0	7	0	0
MRGPRG	0	0	0	0	0	0
TSEN54	1444	751	2238	2176	982	1011
RGMA	15	0	14	10	4	6
ASB18	0	0	0	0	0	0
UBA7	6784	3330	7752	7082	4740	4813
MRPS16	401	143	503	441	209	229
SHISAL2A	1140	498	889	590	383	840
RAD51B	1190	720	1306	1088	791	939
CRYGB	0	0	0	0	0	0
LDOC1	87	34	94	118	21	51
ARL6IP4	444	290	624	475	254	354
EXT1	1493	1191	2303	1866	1105	1194
SHMT2	905	477	1044	813	759	1005
MOB2	1171	688	1540	1208	874	922
HHIPL1	26	20	21	9	0	13
ATP6AP2	5071	1784	5813	4207	3640	1935
ZAR1	0	0	2	3	3	0
CYB5D1	303	56	416	93	20	75
FAM153B	216	139	537	342	246	366
BACE2	628	169	317	197	191	129
UBE2E2	781	325	494	561	477	325
SYNM	221	479	1571	182	797	292
KCNA4	0	0	0	0	0	0
GABRG3	0	0	0	0	0	0
PRR34	54	21	43	43	28	20
NLRP10	0	0	0	0	0	0
FIGN	3	2	3	35	6	0
IZUMO1	0	0	0	0	5	0
TMIGD1	0	0	0	0	0	0
B4GALNT4	80	23	67	110	5	28
AP1S2	10379	5198	11749	8298	6860	8210
C8orf33	922	401	813	938	358	495
DCAF4L1	132	78	101	131	65	95
SPACA6	37	42	53	23	7	29
MBD3L3	0	0	0	0	0	0
ZSCAN22	354	230	475	330	215	244
KCNJ14	125	70	132	141	103	116
FBXL6	463	301	693	546	376	379
C1S	37	29	78	37	39	36
GLTPD2	3	6	11	1	3	0
KIAA2012	0	3	0	0	0	0
PRAMEF8	0	0	0	0	0	0
LIPF	0	0	0	0	0	0

OR5P3	0	0	0	0	0	0
DAOA	0	0	0	0	0	0
ZNF804B	0	0	0	0	0	0
KBTBD3	295	151	355	317	135	351
YBEY	231	186	414	251	146	113
CLN8	3082	1309	3406	2528	2763	1550
PLCXD1	1366	651	1120	1592	708	1092
NXPH4	26	4	24	25	37	17
CACNB4	569	657	900	318	509	483
IFNL1	0	2	0	3	0	4
TRAPPC6B	2926	1322	2763	2362	1737	2159
PGBD4	608	291	426	465	293	293
CDY2A	0	0	0	0	0	0
NPLOC4	5404	3362	7621	6356	4421	4165
OTOL1	0	0	0	0	0	0
KCNK4	3	0	7	0	2	0
TEX19	0	0	0	0	0	0
TSHZ2	1444	616	1592	712	584	1100
CAPN12	250	81	222	248	70	102
EXOC7	6332	3730	7878	6430	4045	4257
KPNA2	780	449	1060	955	655	592
XKRX	95	112	96	100	57	94
BGN	0	0	0	0	0	0
CEP97	2194	969	2091	1700	533	1627
LHFPL1	13	0	11	10	6	16
FES	1825	1159	2829	1703	1479	1566
GLRX5	541	294	856	616	338	435
FAM104B	122	40	104	84	59	61
TBPL2	0	0	0	0	0	0
CAV3	0	0	0	0	0	0
MXRA7	409	212	1005	986	349	335
LIMK2	2237	4512	4526	2184	1481	978
MFSD5	806	387	1037	855	483	570
RNASE10	4	0	1	2	2	0
ADI1	1361	1111	2080	1698	1617	1296
RWDD4	483	303	418	168	381	311
SPNS3	169	58	217	182	213	143
CLEC4G	21	7	8	27	13	0
SATB1	15443	8016	11599	12972	6139	10410
NXPH3	0	0	6	8	3	2
CSF1R	9525	3604	8761	7758	7193	6631
EPHB3	67	43	256	77	77	85
VCX	0	0	0	0	0	0
ACTL10	60	16	78	73	46	41
EPGN	8	5	8	7	3	9
KRTAP11-	0	0	2	0	0	0
SNORC	57	43	50	39	58	38
HS3ST4	0	0	0	0	0	0
TRAK1	3387	1993	3777	3171	2735	2466
TSPAN10	17	2	23	23	0	9
OR2V2	0	0	0	0	0	0
PLCB1	3601	1676	3133	4311	2277	2194
SKA2	796	444	905	801	563	700
RXFP3	0	0	0	0	0	0
OR10G7	0	0	0	0	0	0
NDN	55	6	9	42	32	6
CCDC172	0	0	0	0	0	0
OR4Q3	0	0	0	0	0	0

NTM	0	2	2	8	10	2
TTC3	14196	6850	13404	10234	8872	11596
KCNB2	0	0	0	0	2	0
PPP1R27	0	0	0	0	0	0
BRICD5	366	188	421	335	212	292
GALR2	10	4	11	2	4	0
RESP18	0	0	0	0	0	0
IGIP	1557	625	1145	1016	726	1221
TSKU	0	0	0	0	0	3
CMC4	149	99	198	134	110	87
ANXA2	5992	3706	9503	6905	4716	5769
RGS6	147	143	260	155	349	109
HOXB4	155	77	249	123	86	92
SLC35D3	15	28	34	26	64	19
PAQR7	561	334	494	545	382	417
PAPPA	2	10	4	0	0	5
MAFA	1	4	8	8	12	5
NGRN	1843	1217	2746	2427	1226	1365
GRID1	0	0	0	0	0	0
RPS17	3961	2494	4126	3717	2234	3172
HCAR2	217	1289	1829	201	199	50
OR2T29	26	0	3	3	2	4
CCDC87	0	0	8	3	3	0
GSTA5	0	0	0	0	0	0
C1orf116	66	69	209	66	196	61
MAGEB17	4	0	11	2	4	0
CRIP2	215	176	317	213	461	250
DDX28	836	308	853	907	381	522
KRTAP13-1	0	0	0	0	0	0
ACBD3	2527	1289	2562	2120	1401	1864
C16orf72	32747	29547	53110	41803	26063	26470
PLCXD3	0	0	0	0	0	0
VMO1	2	2	9	14	18	15
OR4F15	0	0	0	0	0	0
ALG12	885	540	1199	982	603	648
LCK	6221	2894	7668	7274	3138	4968
GALNT9	6	2	3	2	0	3
COL18A1	901	1404	1763	1031	482	408
RBM10	2068	1228	2497	1881	1235	1488
ADGRG3	389	2101	2307	345	211	163
GLUD2	13	15	25	25	30	13
TMEM95	0	2	0	2	0	0
TCHHL1	0	0	0	0	0	0
RPL35A	4002	2499	4548	3371	1957	2837
RGS7	3	19	21	11	43	2
SLC25A18	0	0	2	3	0	0
ZNF721	2357	971	2560	1693	947	2162
TCEAL7	0	0	0	4	0	0
C11orf54	1369	713	1411	1577	705	1274
CEP63	2140	2013	1896	1295	850	1228
WFDC10B	0	0	5	0	0	0
SRPRA	5895	3934	8297	6954	4844	4183
OTOP3	0	0	0	0	0	0
EWSR1	9013	6498	13916	10130	6650	6774
ODF3L1	0	0	0	0	0	5
HMGN4	3463	1959	4467	4324	2762	2819
SPATA13	13029	6954	5021	15120	7332	9465
GJC1	5	4	0	2	7	4

SOX1	0	0	0	0	0	0
CNOT10	1516	1046	2214	1656	1112	1159
AC135068	0	0	0	0	0	0
MTA1	2485	1402	3072	2465	1560	1878
ZNF662	316	103	161	131	30	132
CADM1	410	109	514	202	283	167
ZNF320	180	91	304	263	171	118
C12orf60	47	21	52	15	11	38
PYCR1	32	6	14	24	12	12
NAA38	242	100	227	223	129	126
SPNS2	15	41	29	15	12	24
MCEMP1	216	310	659	323	282	339
AP2A2	3339	1656	3907	3172	2142	2353
SLC8A1	7528	4063	7337	6919	4992	4640
OR1G1	0	0	0	0	0	0
SLC25A21	0	0	0	0	0	0
OTOP2	0	5	0	4	0	0
CYLC1	0	0	0	0	0	0
PCP4	0	0	0	0	0	0
ABAT	1339	1173	2307	1201	1165	1011
SLC25A10	48	36	104	68	43	48
CAMK1D	5777	4557	5539	3664	3280	3314
RGPD6	2950	2139	3705	3142	1870	2065
LYSMD4	555	278	783	646	296	407
WBP2NL	428	88	282	181	253	201
IGSF5	0	0	0	0	0	0
NKX2-5	0	0	0	0	0	0
AFMID	257	160	250	210	228	225
GAS6	349	177	322	324	295	228
FREM3	2	0	0	0	0	0
NEB	571	311	852	555	259	401
BEGAIN	172	47	136	164	108	98
GPC6	0	10	0	0	0	0
ARHGEF37	12	0	19	8	4	2
FAM43B	0	0	0	0	0	0
CSMD1	14	165	194	189	2	114
CALHM3	0	0	0	0	4	2
PTGDR2	165	139	202	327	177	217
CEP57L1	313	262	377	421	206	443
RIPPLY3	0	0	0	0	0	0
PRORY	0	0	0	0	0	0
ANKRD20A	10	0	15	3	5	14
GPR19	47	33	65	28	28	40
GJD3	0	0	0	2	0	0
RABIF	802	558	1171	1112	556	644
TMEM119	43	27	50	99	37	54
FANCF	1604	472	1217	1376	667	1087
CALN1	2	13	20	6	4	6
SMDT1	1952	964	2350	1576	1334	1351
GABRR3	0	0	0	0	0	0
C2CD4C	0	0	0	0	0	0
CHST6	6	0	9	0	22	6
POTEC	4	0	0	0	1	0
RUVBL2	745	376	988	890	489	540
GDPGP1	417	25	476	395	25	356
CTNNA3	4	0	6	2	8	5
RIMBP3C	72	51	55	97	24	71
PRR36	3	0	9	0	0	0

OR51B4	10	6	0	2	0	0
PTTG1IP	5802	4494	8609	5312	4848	4654
DDX41	978	676	1267	980	718	758
ABHD16B	92	29	120	69	53	45
OR52E8	0	0	0	0	0	0
CCDC60	0	0	0	0	0	0
PLGLB1	273	494	523	576	460	567
DAZAP2	12907	9724	20737	16324	10476	10253
CCBE1	0	0	12	7	4	2
SELENOF	2790	609	2109	1347	932	752
OR5P2	0	0	0	0	0	0
FAM9A	0	0	0	0	0	0
MAGEA2B	0	0	0	0	0	0
TMEM121	424	350	833	272	272	479
ZNF623	3504	1554	3940	3140	1600	2713
OR2T34	5	0	0	0	0	3
OR52L1	3	0	2	2	2	2
EPHA10	14	5	4	2	0	7
SPDYE4	0	0	3	1	0	3
CCDC125	1131	844	1444	1092	640	851
REC114	0	0	0	0	0	0
BOLA2	693	492	728	566	597	575
BCOR	2708	1645	3050	2867	1673	2203
JRKL	749	275	616	531	353	573
CABCOCO	0	0	0	0	0	0
GBP6	54	29	16	36	15	8
KIAA2026	2713	1445	3258	2771	1745	2132
OVCH2	0	0	0	0	0	0
SYNDIG1L	0	0	3	4	0	8
FHL3	505	280	529	527	491	358
OR56A4	9	5	4	2	0	0
PMCH	0	0	0	0	0	0
TMEM89	5	0	0	4	2	3
C19orf71	172	83	183	113	75	153
CCDC159	712	325	967	739	449	480
RIPK4	20	21	13	6	0	6
LRIT3	66	14	21	35	20	39
NPIPA1	2970	1693	3949	4300	2071	2000
SF3A3	2648	1497	3123	2989	2317	1997
TFDP3	0	0	0	0	0	0
TRIM61	63	21	66	22	21	29
GRIN2A	10	0	0	5	2	4
URAD	0	3	0	0	0	0
GTF2H2C	1184	366	1302	1154	831	826
ASB7	2428	1070	2502	2252	1341	1875
SH2D7	0	0	0	0	0	0
TREX2	192	76	182	199	120	157
GPR132	2079	919	2045	1070	1430	1263
MX2	4416	5282	8235	5369	3892	2812
EP400	11067	5982	13051	10702	6625	8229
MEX3B	41	51	76	35	19	57
TENT5C	7528	4702	8844	8396	6598	6496
COA5	1367	593	1630	1305	922	1037
UTP11	707	409	830	764	435	538
PSMG1	492	232	567	547	357	376
PRR14L	10687	6056	12795	10574	6395	8084
KLRC4	2273	950	2686	2987	951	1623
ACSM5	2	4	12	5	3	4

C10orf120	0	0	0	0	0	0
IZUMO1R	2	0	0	0	0	0
SERHL2	19	16	24	11	16	23
PCBP3	57	53	110	25	43	28
PGPEP1L	0	2	2	0	0	0
SETD3	4222	2398	5851	4819	3073	3170
TNFAIP8L3	0	0	0	0	0	0
ZNRF3	65	14	66	57	44	42
FBXL7	0	0	0	0	0	0
TANGO2	2484	1425	3318	2120	1827	1803
HIST2H3D	139	84	155	118	71	59
SFXN4	484	304	511	481	281	404
GKN2	0	0	0	0	0	0
FAM167B	11	3	5	11	0	7
MRPL54	273	174	285	306	157	126
ZNF438	680	342	713	595	344	444
HMCES	1169	873	1693	1451	819	1007
CCR3	161	602	197	359	97	126
DGCR6	29	49	59	34	27	37
GOLGA8G	0	0	0	0	0	0
PRR32	0	0	0	0	0	0
TP53TG3	0	0	0	2	2	0
RP1L1	6	8	8	0	9	2
KRTAP8-1	0	0	0	0	0	0
C11orf88	0	0	0	0	0	0
ZNF530	380	182	466	280	178	275
NDUFB1	603	300	596	542	371	515
11-Mar	0	0	0	0	0	0
KLHL25	350	362	688	484	253	358
FAM19A1	108	38	133	129	91	91
TRMT12	652	295	552	685	290	388
PSG9	0	0	0	0	0	0
GPR1	21	8	12	8	45	20
BMP8A	13	7	12	2	5	13
ALYREF	355	278	527	530	253	290
RFLNB	4182	3185	5648	4403	3214	3392
EFHC2	495	437	567	368	464	209
NOG	521	251	411	412	161	268
MRGPRX2	10	4	14	9	14	0
UPP1	2413	1331	3088	2689	1377	1833
OR4N4	0	0	0	0	0	0
IFNL2	0	0	0	0	0	0
OPCML	0	0	0	0	0	0
TRIM52	1131	1031	3737	1147	1657	2405
LHFPL6	12	15	14	25	38	9
CMTM4	935	480	1087	802	818	840
TMEM50A	3978	3044	5126	4497	4305	3166
NPBWR1	0	0	0	4	0	0
FIGLA	12	4	0	0	5	2
ASCL2	200	88	433	247	157	169
TBK1	2739	1674	3591	2929	2084	2030
CBX6	4767	3384	7411	5485	4599	4657
MACC1	300	123	246	137	167	116
ACSM2A	0	0	0	0	0	0
TBL3	1006	621	1533	1449	800	731
BPY2	0	0	0	0	0	0
ACP7	8	2	2	0	0	14
KREMEN1	41	605	365	41	49	70

TRAIP	76	41	85	108	52	36
CHEK2	334	184	486	448	204	310
FOXL2	0	0	2	0	0	0
AIFM3	338	137	424	335	282	268
KCTD16	2	6	2	8	4	0
B3GALT5	4	6	0	0	0	2
ZNF703	630	227	601	418	381	397
SLC35F3	83	67	51	131	77	49
KCTD8	0	0	0	0	0	0
C9orf66	32	25	87	66	26	18
TUBA8	215	257	448	220	566	214
ELOA3	2	1	3	0	0	3
NPIPA5	245	171	46	193	176	262
BPY2B	0	0	0	0	0	0
EMILIN3	0	0	0	0	0	0
OLFML1	8	0	4	0	0	0
FAM162B	0	0	0	0	0	0
RBM12B	6690	2401	4971	4559	2999	4439
CCR4	1254	997	1680	1287	1539	1425
LIN9	357	149	267	326	132	255
BTBD9	2760	1704	3779	3198	1749	2248
NUDT14	206	70	244	336	158	138
ANKRD45	0	0	10	8	4	6
MAATS1	8	6	10	28	0	17
PNMA3	87	173	608	196	89	117
GPR39	0	0	0	0	3	3
FAM3B	8	2	0	0	0	0
ZNF730	20	8	2	0	5	0
KIRREL1	0	0	0	0	0	0
IQGAP3	19	19	4	8	16	25
CNGA2	0	0	0	0	0	0
TOB2	2710	1649	3549	2639	1626	2019
SCN5A	3	0	10	3	16	4
ARSI	0	0	0	1	0	0
UTY	10323	0	12535	9857	7209	0
SRARP	0	0	0	0	0	0
PKD1P1	2530	1535	5685	4984	2568	2073
TTC32	776	459	951	690	452	653
LRRC55	0	0	0	0	0	0
DNAH2	10	18	48	2	64	31
SH2D1A	530	1598	689	629	1612	2317
SDR42E2	6	21	15	17	8	14
PRKX	5376	3965	6706	5538	4089	6716
KMT5A	730	573	1214	739	548	222
KCNH8	270	159	287	142	123	146
SMTN	180	106	160	155	157	79
NPW	4	9	7	3	8	4
PP2D1	2	4	2	0	0	0
COA3	307	139	443	269	122	217
NPB	32	17	21	18	7	17
ST6GALNA	328	208	422	309	200	356
PTP4A2	13523	9051	17609	14425	11812	10050
ACTG1	24240	12662	28045	25220	17964	18536
TMPRSS2	0	0	0	0	0	0
DENND5A	8099	6786	10443	7260	5401	5812
OR2T10	8	4	10	10	11	12
KRTAP20-	0	0	0	0	0	0
CTAG1B	0	0	0	0	0	0

DIABLO	1394	1747	3332	2102	1523	1381
VPS33B	777	352	765	902	566	687
TBX1	29	2	32	18	28	0
ADAP2	1964	525	2007	1227	1190	1272
UQCR10	390	201	484	319	209	308
FAM120C	1170	542	1112	1042	643	861
TRIML1	0	0	0	0	0	0
EIF3C	2767	1653	3417	3534	1706	2296
CLDN5	145	162	335	212	456	110
NIPSNAP1	393	338	737	754	375	316
OR4F6	2	0	0	0	0	0
CNTN2	5	5	9	3	0	3
SPRR4	0	0	0	0	0	0
LRTOMT	46	42	67	69	29	60
OR10J5	0	0	0	0	0	0
KCNQ3	7	8	4	28	16	50
ADRA2C	0	0	0	0	0	0
NR2C2AP	314	141	348	220	152	130
C1QTNF12	15	31	46	21	22	7
CRELD2	684	433	787	730	464	463
OR1D2	0	0	0	0	0	0
SCFD2	1939	1087	2232	1888	1572	1364
UBE2F	2177	1112	2825	2308	1582	1265
KCNJ12	0	3	0	11	4	6
GPR173	10	11	16	16	20	9
PPP1R2	4929	3627	7248	5321	3959	4174
TSPYL2	1095	1117	1696	1203	840	938
GOLGA6L4	6	17	122	15	6	12
PGP	807	445	911	811	516	656
C22orf46	419	233	528	419	263	329
SNRNP35	974	514	1191	819	538	519
DGAT2L6	0	0	0	0	0	0
IRAK1	3228	1900	4552	3253	2491	2266
CMSS1	703	241	488	617	330	445
OLIG1	256	103	318	242	100	242
PCDH9	3300	1422	3088	1767	1186	932
ACOT1	117	71	181	127	54	58
OAF	520	262	892	478	412	421
ALDH1A3	0	0	0	3	0	0
CDR1	0	0	0	0	0	0
HIST2H2AC	2217	1393	3518	2924	1496	1962
KCNK12	11	8	18	20	7	23
HIST2H2AA	144	95	311	187	129	143
POU6F1	578	511	1120	846	587	596
DEFB108B	0	0	0	0	0	0
TM2D3	3005	1590	3832	2705	2120	1857
TSSC4	273	274	656	449	278	357
TACSTD2	17	8	21	2	12	18
CLECL1	292	56	116	114	161	184
SIX6	0	0	0	0	0	0
PRKD1	2	0	6	8	9	16
CCSER1	587	200	740	279	376	288
ZDHHC23	500	375	388	171	308	428
MROH7	54	0	46	41	5	48
S100A7A	0	0	0	0	0	0
SRPK3	5	3	15	19	2	3
GDF3	0	0	0	0	0	0
IQCF2	0	0	0	0	0	0

SLIT3	3	3	3	3	3	12
EFNA5	49	90	185	153	37	149
MRGPRE	0	0	0	0	0	0
KRTAP19-	0	0	0	0	0	0
HIST1H1B	546	184	549	324	323	261
SPATA32	25	9	27	6	0	9
PKP3	0	0	9	0	2	4
MAP7D2	4	48	10	5	7	71
CSF1	152	400	742	337	125	284
COLEC10	0	0	0	0	0	0
ACTRT3	0	10	5	5	6	5
PLA2G6	1302	763	1833	1322	618	1044
MAML2	6731	3641	6092	4874	2827	4490
PABPC1L2	0	0	0	0	0	0
A3GALT2	6	14	20	4	9	5
OR4N5	0	0	0	0	0	0
SS18L1	1534	1183	2218	1349	1022	1016
KCND2	0	0	0	0	0	0
TOP1MT	426	234	488	330	317	295
COPB2	4934	2471	5375	4750	2815	3847
LRRC19	0	0	0	0	0	0
THAP7	293	172	320	369	199	208
KNTC1	3221	1752	4086	3175	1952	2526
CCR10	30	26	33	51	33	33
NCMAP	0	0	0	0	6	2
BPIFC	0	0	3	0	0	0
WDR27	2706	1420	2464	2002	1930	1809
TXNRD2	1438	679	2060	1585	1391	1118
C1QTNF8	0	0	0	0	0	0
OR56A3	0	0	3	0	0	0
FOXO4	968	685	1358	1138	782	644
POU3F2	0	0	2	4	0	0
PTP4A3	919	570	878	691	598	236
FOXD4L1	15	10	8	13	15	17
TMEM255I	138	13	171	139	87	123
PROS1	548	841	817	778	2435	667
GAST	0	0	0	0	0	0
NUTM1	0	0	0	0	0	4
HDDC3	296	109	287	270	168	195
BEX5	8	14	20	41	12	22
ZFP1	331	193	465	325	174	211
CEND1	10	3	7	0	6	12
C6orf58	3	0	0	3	2	1
DHRS7C	0	0	0	0	0	0
DUSP8	222	396	758	278	206	133
SOCS3	966	2098	2881	1547	581	773
SPEM2	0	0	0	0	0	0
SLITRK6	0	0	0	0	0	0
PIWIL3	0	0	0	0	0	0
LPAR5	601	524	738	638	562	635
XPOT	4291	2403	5555	4810	2620	3924
TMEM173	2145	982	2440	1909	1093	1521
PDE4B	4601	5916	8893	5139	4235	2878
FAM19A3	0	0	0	0	0	0
C14orf180	0	0	0	0	0	0
SNN	6748	6927	14070	6924	15380	6207
KCNH7	0	0	0	0	0	0
NELL2	7316	2384	5786	4098	2361	3379

KRBA2	485	186	525	577	248	435
MED12	4416	3399	6741	5040	3029	3541
ZNF93	298	183	367	229	149	182
9-Sep	13992	4730	22978	18333	5569	12383
PRSS55	0	0	0	0	0	0
ODF4	0	0	0	0	0	0
FOXD4L4	27	2	4	11	7	10
CDCA2	48	17	68	24	43	25
RALYL	0	0	0	0	0	0
AMER1	923	470	1276	964	516	740
ZBTB40	7084	3539	8283	7204	4273	4851
HIST2H2BF	851	1129	1715	855	3338	812
CLDN6	0	0	0	0	0	0
OR51M1	0	3	0	0	0	0
5-Sep	414	528	672	214	1101	139
EIF4ENIF1	1539	738	1777	1389	948	1211
LRRC26	0	2	8	15	13	0
SERINC4	52	16	10	25	32	18
RNLS	140	71	201	137	86	76
KRTAP6-1	0	0	0	0	0	0
APOBR	2160	2086	3501	2277	1354	1841
FAM110C	127	26	241	83	89	53
DDX53	0	0	0	0	0	0
ATL3	9632	4557	11399	9931	6872	7544
NDUFA12	323	242	524	578	187	275
SMIM10	0	0	6	4	2	0
TCTE3	146	44	166	166	112	108
UBE2G2	6808	4132	8741	5937	4867	5335
SATL1	0	0	0	0	0	0
OSBP2	166	143	115	307	368	339
TRARG1	5	4	23	7	6	7
PRR23B	0	0	0	0	0	0
ZBTB7C	52	0	8	7	12	8
APOO	135	70	175	123	85	79
PRR16	3	5	27	0	7	8
TMED9	1422	797	1728	1523	1048	1128
DRD1	0	0	0	0	0	0
TMEM186	250	114	253	284	118	231
SDR42E1	837	454	1047	670	482	763
RBM33	5607	8753	17336	14367	9335	10937
ARMCX2	166	113	213	164	76	144
BTBD6	889	630	1241	1231	1083	529
SRY	0	0	0	0	0	0
H1FX	2069	1114	2211	1492	898	1270
RBM43	968	633	1116	781	615	798
SUMO3	2302	1249	3035	2318	1876	1533
IMMP2L	519	239	597	435	279	411
TCEAL2	5	0	0	5	0	0
CLCNKB	0	0	0	2	0	0
DMRTC1B	0	0	0	5	0	3
JAG2	117	70	135	147	54	58
FMNL1	14532	11413	21535	14742	9797	10538
NUTM2A	112	85	238	141	83	57
PTRHD1	338	137	346	264	157	156
LCN12	19	12	27	17	21	21
OR6A2	0	3	22	0	8	2
WT1	0	0	0	0	0	0
ZFP90	2890	682	1799	1412	1082	2078

AQP12A	0	0	0	0	0	0
FAM227A	8	4	13	0	6	5
OR6C70	0	5	5	0	0	4
MUC6	19	0	3	21	4	4
NOC4L	413	262	708	415	380	329
USP18	165	62	212	269	114	103
NDUFA6	521	351	740	629	460	440
CHRM5	6	0	5	0	0	4
SORCS2	56	18	73	33	36	14
TMEM121	31	2	66	11	20	40
TMEM106A	738	891	1292	604	1200	470
SIVA1	1235	1301	2551	2008	1384	995
BRI3BP	2736	1096	3004	2558	1917	2047
IFNE	0	5	6	11	5	19
SLC22A10	0	0	0	0	0	0
DGAT1	1445	1053	2190	1689	1110	1088
RFX6	0	0	0	0	0	0
ROBO2	0	0	0	0	0	0
AP3M1	4035	2286	4776	4196	2484	3282
F8	212	139	399	406	305	217
NT5C1B	2	2	4	4	0	0
CA13	552	367	881	570	787	348
UBOX5	1038	650	1128	854	591	787
MAFF	257	1213	1458	668	522	197
BRF1	2489	1241	3440	2831	1967	1697
LRRC14B	2	0	0	0	0	0
SEMA4B	1323	965	1663	991	937	989
MROH2A	0	0	0	0	0	0
SPDYE16	16	6	0	4	3	4
CIB1	1927	1058	3907	2695	1450	1697
ANKS1B	13	8	9	19	6	20
NELFA	1085	635	1465	1084	573	757
SLC24A3	404	516	592	193	1169	242
SGCZ	0	0	0	0	0	2
EFCAB10	23	25	36	37	18	17
C5orf47	14	2	2	13	1	4
KRT76	0	0	0	0	0	0
FLRT2	0	0	0	0	4	0
INTS5	1089	495	1111	1159	575	828
RPS27L	1167	623	2288	1132	860	1362
MANEAL	32	30	102	111	55	31
ADSSL1	105	55	110	85	70	84
ANO9	1731	960	2039	1608	1017	1512
FAF1	3211	1643	3945	3554	2167	2389
MYADML2	0	0	0	0	0	0
FAM43A	371	292	523	488	187	342
NSMCE3	1096	501	1202	1047	652	720
HSF1	1401	860	1965	1389	1014	937
C6orf120	1947	905	1877	1789	914	1351
PURA	8083	2992	6553	6051	3668	5943
HIST1H2BL	86	80	190	167	74	90
INPP5J	2	0	0	2	0	0
NPY2R	0	0	0	0	0	0
MIXL1	20	3	0	11	3	3
MFSD6L	68	27	79	50	59	46
LRRC37B	1542	1089	1915	1666	1147	1233
DDX51	1249	922	1812	1443	952	943
NOMO2	4804	2329	5429	6939	4091	2794

AQP12B	0	0	0	0	0	0
ZNF479	0	0	0	0	0	0
SIGIRR	2600	1667	4540	3092	1474	2048
NRBP2	480	348	631	482	321	422
PRSS57	44	4	20	44	15	58
IFITM2	1337	2899	3265	1321	687	809
TNFAIP2	12580	12931	23098	10783	11170	8638
ZNF445	7238	3603	7610	6161	4111	4975
PGBD2	612	329	773	290	257	565
TCEAL9	20	16	34	13	48	34
MC2R	0	0	0	0	0	0
RAB11B	1811	1270	2337	1821	1358	1426
PRMT3	1829	860	2042	1577	1059	1404
GP1BA	430	604	765	338	1717	312
PRPF39	2559	1398	3113	2520	1588	2179
MAGEA11	0	0	0	0	0	0
PPIL6	15	19	14	30	11	14
ZNF74	451	264	479	448	206	371
KIAA0825	948	953	1492	739	634	637
UBALD2	1213	1115	2056	1309	806	926
TEX33	0	3	0	0	0	0
CDNF	73	26	71	82	52	42
NOTUM	0	0	3	2	4	0
KLHL33	41	31	37	39	55	27
RBM11	31	51	68	77	15	78
GALNT17	0	0	0	0	0	0
ZBTB37	13551	6864	16497	13004	7894	9632
NUPR2	0	0	0	0	0	2
IL3RA	230	137	395	523	303	207
SPPL2C	0	0	0	0	0	0
CCDC137	423	268	823	96	162	152
SFTPA2	0	0	0	0	0	0
RGPD2	582	154	568	658	447	371
ARL15	1917	740	1771	1621	1474	1487
C12orf56	0	0	2	2	0	0
SCN10A	0	0	0	0	0	0
CDK10	1546	861	2282	1645	958	1060
TMEM105	0	2	10	0	0	4
SOCS1	297	199	294	346	109	156
TCN2	372	135	293	220	171	92
GAS2L1	555	403	842	403	1035	322
ATP6V0A2	3671	1794	4568	4056	2616	2933
PRKN	195	108	179	135	151	178
TEDC1	719	420	1360	1866	506	742
HS6ST3	0	0	0	0	0	0
HGS	3080	2007	4537	3174	1940	2287
TNFAIP8L1	1118	775	1576	1190	1244	881
OR2V1	0	0	0	0	0	0
RAD51D	2461	1009	2516	2247	1450	1425
OR7A17	0	0	0	0	0	0
MAPK11	82	72	147	108	136	75
SP140L	4011	1873	4547	3342	2189	2626
MRPL30	1452	148	634	348	165	283
TARSL2	1244	747	1351	1303	750	1008
SMYD3	1255	749	1483	1383	765	939
METTL7A	686	2281	6989	5186	3621	3488
IFNLR1	453	310	672	571	425	389
SH3BGR	9	9	14	14	8	0

FAM174B	66	51	169	37	48	64
FAM47A	0	0	0	0	0	0
ZSWIM9	284	126	349	212	179	202
KPNA7	6	2	0	6	0	0
TMEM179	737	295	786	587	426	592
GPRIN3	15305	6848	13782	14445	10032	12590
KRT6B	0	0	0	0	0	0
PARPBP	148	76	194	219	159	158
STAC3	239	103	213	136	153	165
ROR1	31	16	39	34	19	7
MUC1	23	18	48	21	20	22
FAAP100	1742	873	2120	1780	1008	1216
IRF7	734	539	1544	861	742	532
L3MBTL1	552	532	1094	927	737	913
BRCC3	1046	512	627	546	459	422
SV2B	4	6	4	2	2	6
FAM131C	0	0	0	0	0	0
LMNTD2	141	103	137	114	129	141
SPATA45	7	9	0	0	0	0
PDE6G	52	4	23	9	22	20
PRKG1	98	231	261	122	360	183
NR2F2	0	0	0	0	0	0
DLK1	37	0	0	0	0	2
TLCD2	33	36	15	24	8	23
LSAMP	0	0	0	0	2	0
AHNAK2	4	6	29	20	9	0
OLFML2A	79	77	76	44	87	66
SP1	13922	8353	17973	13659	9990	10840
SPATA8	0	0	0	0	0	0
MRPL40	201	106	294	257	135	167
DBX2	0	0	0	0	0	0
INKA1	58	53	99	53	109	54
PDIA2	4	2	2	2	0	6
PCGF3	3303	2371	6032	4101	3445	4398
LMLN	570	308	515	476	300	539
P4HB	7163	5000	10320	8841	6097	5884
PSMD13	1627	994	2083	1812	1099	1306
PBX1	361	400	1211	324	601	241
NDUFA4L2	2	3	0	5	4	7
SHC4	2	0	18	0	6	12
KRT79	0	0	0	0	0	0
ZFP36L1	8105	6992	11922	8147	4652	6069
UBE2L3	1820	1038	2214	1836	1237	1291
NTF3	0	0	0	0	0	0
BRWD1	20160	10344	22036	18312	12224	14830
SMIM23	2	0	0	0	0	0
PMEL	15	3	10	17	0	10
SYN3	48	50	35	15	26	27
POU3F1	0	13	0	0	3	0
SNAI3	286	236	395	298	213	240
ZBTB3	472	186	413	357	242	98
LYG2	4	3	3	1	2	0
MORN5	0	0	0	0	0	0
PRAME	0	0	0	0	0	0
C6orf201	2	2	0	2	7	6
MYBL1	8460	4250	8874	11674	5225	5088
MOSMO	1311	529	1273	1021	660	920
DRG1	1240	755	1489	1182	827	940

ANKFY1	6753	3960	8436	7919	4708	5513
YTHDF3	3420	3038	5116	3909	5523	1126
ZNF696	437	80	126	416	300	121
ADARB2	116	14	393	175	2	152
NRG3	0	0	0	0	2	0
SRL	2	0	1	0	0	4
C11orf87	0	0	0	0	0	0
IFIT1	658	501	2099	636	457	333
CXorf38	3668	2665	4114	3242	2481	3428
CLDN24	23	1	21	7	3	0
KCNQ5	272	335	440	306	288	158
ADAMTSL5	66	29	86	76	34	56
KCNIP4	0	0	2	5	0	0
SPATA31A	0	0	0	0	0	0
MORF4L1	7212	5854	10647	9436	7042	5466
NLRP9	5	0	7	0	0	0
WDR53	270	196	308	315	150	254
DMWD	717	570	1361	1002	521	679
SLC52A2	458	187	578	650	358	444
PIGP	309	175	286	276	202	261
IKZF1	39327	18022	40480	35664	20716	26200
PCYT2	650	393	986	855	460	437
NAT8L	8	9	18	32	16	8
OR6C76	0	0	0	0	0	0
NPAP1	0	0	0	0	5	0
BCAP31	1647	1126	2378	1984	1864	1320
ARL17A	3066	902	1933	1511	959	2383
GNB1L	391	129	255	278	207	230
DNAH14	60	39	101	50	103	58
CCDC190	0	0	0	0	0	0
EVI2B	4139	3753	4737	3100	3110	3699
TMEM210	0	3	0	0	0	3
NPIPB4	4793	1793	6777	4169	3390	2629
ZNF829	453	217	430	514	249	306
TMPRSS11	0	0	0	0	0	0
THNSL1	388	142	265	358	142	340
TRIM69	2093	1009	2398	1966	1361	1417
ATP6V0C	2657	2312	4512	2927	2891	2184
IFITM1	2419	1909	3690	2548	1221	1596
PRSS38	0	0	0	0	0	0
BPY2C	0	0	0	0	0	0
LAMP1	6297	4166	6765	5758	4441	4582
FFAR3	1	44	30	12	14	0
TAS2R60	101	118	65	86	53	140
POMK	991	319	619	1054	424	781
C16orf54	5322	4854	9328	7163	3446	4494
KLHDC8B	157	113	195	154	166	112
KLHL34	78	14	46	36	17	32
SETD4	1095	629	1319	1107	555	1256
PTCH1	2701	1083	3258	2822	1222	1811
RTN4RL1	20	10	8	9	4	16
OR4C46	0	0	0	0	0	0
CALHM1	15	2	4	10	2	4
KRTAP5-5	0	0	0	0	0	0
NKAIN3	0	0	0	0	0	0
RNPC3	3887	1557	2994	2461	2556	3081
ZNF267	3532	1675	3115	2731	2597	2644
IRS2	4248	3872	5766	5260	3231	2839

C7orf61	53	42	24	30	31	49
FAM186A	2	0	0	2	3	0
SHOX	0	0	0	0	0	0
LCE3A	0	0	0	0	0	0
BICD2	5892	4512	7908	6375	5876	4650
LCE3E	0	0	0	0	0	0
CCIN	48	59	106	59	72	33
TMLHE	1458	680	1380	1088	822	855
GRK1	0	0	2	0	0	0
DEFB128	0	0	0	0	0	0
SLITRK2	0	0	0	0	0	0
PLK5	0	0	0	0	0	0
RASA3	14889	7949	19555	15886	9884	10568
LRCH3	5082	2688	5735	4929	2916	3532
LEMD1	0	0	1	6	0	2
ATP4B	0	0	0	0	0	0
NDUFA13	466	367	694	429	430	410
ZNF566	704	359	602	793	215	854
ZNF529	1231	599	1511	2022	1335	1169
ZNF284	599	273	764	546	286	456
HTR3E	0	0	0	0	0	0
DLEU7	203	131	416	242	187	131
KRT73	1246	508	929	362	280	21
TAL2	16	0	11	1	0	7
AIDA	3186	1623	3799	3210	2198	2225
C15orf41	551	235	613	613	243	379
CD300LF	1133	676	1310	1146	820	904
ZPBP2	8	4	18	8	6	2
KRT5	0	15	46	57	25	10
NBPF6	0	0	3	2	0	0
GSAP	7428	5213	10398	8276	7157	5895
HTR3D	0	0	0	2	0	0
OR4F5	0	0	0	0	0	0
AGBL4	7	6	5	8	12	9
ARGFX	0	0	0	0	0	0
CYP2R1	956	481	1017	964	510	667
LRRC70	252	193	70	265	209	202
ANKRD46	966	503	1017	989	574	860
PIP5K1C	2434	1317	3218	2219	1665	1652
OR5D14	0	0	0	0	0	0
CYP4F2	11	3	22	0	0	4
TEX38	0	0	0	4	2	2
OR5D18	0	0	0	0	0	0
ZBTB6	1555	652	1602	1301	615	1174
C2orf76	115	65	152	127	81	98
TAS2R42	0	0	2	0	0	0
POLR3C	1164	604	1190	1065	702	897
PRR30	0	0	0	0	0	0
DEFB131A	0	0	0	0	0	0
UBL4B	0	0	0	0	0	0
WWOX	568	266	664	547	403	423
CYP4Z1	0	0	0	0	0	0
CCDC84	2634	1961	4768	3296	2557	2542
BCL9L	8073	4834	11272	8682	4218	6400
POLR1D	2423	1492	2880	2496	1534	1908
KIF18B	38	11	36	18	21	20
ZNRF1	333	134	348	200	217	275
FFAR4	18	5	23	28	12	10

BPIFB3	0	0	8	0	4	0
BPIFB4	3	4	0	0	2	0
SAPCD2	118	92	284	123	146	144
EDARADD	321	138	299	319	122	179
SLC51B	0	0	0	0	0	0
CYP4F12	35	55	58	20	5	31
1-Mar	846	519	2116	829	665	1060
LCE5A	0	0	0	0	0	0
SOWAHB	0	4	0	0	0	1
BLOC1S4	584	284	591	561	295	312
LCE1E	0	0	0	0	0	0
ZNF749	385	236	378	394	187	196
KLHL32	115	52	104	76	49	112
MRTFB	1455	1192	1447	1026	726	995
BTLA	2397	1291	1986	1432	833	1440
ZNF17	411	378	318	495	293	255
KDM4D	17	3	15	25	14	18
GPAT2	5	86	387	229	33	37
TOR3A	1232	690	1629	1205	1131	1044
PABPC1L2	0	0	0	0	0	0
GABRA5	0	0	0	0	0	0
PPP1CC	5726	3934	7221	6634	4648	5594
ZNF555	705	324	700	615	434	619
OR10T2	0	0	0	0	0	0
NAP1L3	193	70	183	211	57	158
PRELID2	74	75	147	82	79	105
BACE1	445	190	510	434	460	509
RGS9BP	28	5	27	26	5	6
TMEM212	0	0	0	0	0	0
SLC36A3	0	0	0	0	0	0
SLC36A2	0	0	0	0	0	0
THBS2	2	2	0	0	0	0
RXRA	10219	6202	12930	8724	7657	6015
ANKRD37	136	59	128	119	107	71
NUDT17	75	66	94	84	65	59
KIAA1024L	0	0	0	0	0	0
ZNF75D	2242	782	1704	1451	864	1548
CYP4X1	0	0	0	3	0	0
KRT26	0	0	0	0	0	0
KRT10	345	325	591	524	240	247
GOLGA8R	375	178	162	353	190	259
CD300E	8059	2892	6038	5470	4250	3972
CCDC30	188	75	517	472	216	197
NKRF	1106	561	963	958	724	807
GLDN	4	8	19	13	19	13
FCAR	526	3042	2797	1459	1303	621
KPNA4	9094	5787	11303	9252	6576	6984
TRDN	0	0	0	0	0	0
OR6P1	0	0	0	0	0	0
KRT3	0	0	0	0	0	0
ZNF501	179	56	68	190	32	138
ZNF197	1362	536	1633	1441	533	1006
SPATA12	0	3	3	0	0	4
TMPRSS12	0	0	0	0	0	0
FAM228A	17	3	12	8	6	15
DEFB132	0	0	0	0	0	0
NAP1L2	224	155	271	398	109	219
RPS23	9155	5189	8597	8215	4897	7410

GNG2	3508	4811	10110	9220	5383	5110
BTN3A2	2076	1824	2239	2108	2005	2655
AKAP14	0	2	0	0	0	0
PCLO	2	0	7	8	0	7
KLK12	0	0	0	0	0	0
RGS7BP	0	0	0	5	0	15
INSIG1	1837	1188	2525	1878	1374	1430
MYT1L	8	0	0	2	0	0
C5orf38	0	0	0	0	0	0
ZNF396	190	59	112	80	44	123
TMEM222	863	592	877	1019	544	744
OR9Q1	0	0	0	0	0	0
CLCNKA	4	1	7	1	6	2
OR9Q2	0	0	0	0	0	0
ARHGAP3(	18033	10870	22856	17630	10537	12270
10-Sep	222	163	211	209	107	172
FAM86B1	43	11	11	12	26	17
CYP4F8	0	0	0	0	0	0
CYP4F3	641	2295	2604	260	116	252
SMYD4	2126	1027	2739	2079	1424	1637
DEFB105A	0	0	0	0	0	0
FOXD2	34	20	44	50	22	17
GPATCH8	5959	3342	6911	5963	2833	4418
CEACAM1	129	71	139	110	74	100
DEFB107A	0	0	0	0	0	0
NF2	3313	1688	2425	3457	1867	2257
SMIM29	166	164	389	246	90	125
DEFB106A	0	0	0	0	0	0
SPATC1	18	12	24	29	14	12
UBE2H	7743	4278	8495	6784	5464	5265
DEFB105B	0	0	0	0	0	0
HPDL	20	2	13	17	14	10
KATNA1	767	432	880	695	432	574
FSD2	4	0	4	8	2	0
ARAP1	17981	19354	25526	20451	12943	11902
KIF24	96	34	137	84	57	54
PDE2A	95	112	149	123	115	48
CARMIL3	280	122	883	424	203	221
PRG2	3	4	31	51	34	10
PRR5	1397	835	2407	2688	983	1329
ZFP91	7629	4400	9004	7201	5256	5424
C17orf58	81	36	104	69	35	33
BCDIN3D	390	124	376	337	109	292
MAGEE2	0	0	0	0	0	0
CYP27C1	0	0	0	0	2	0
LYRM7	1901	974	1356	1413	533	1972
CFAP73	13	5	21	24	9	21
CCDC73	18	2	10	12	9	10
BCR	5488	3369	4953	5432	4278	3868
OR10H1	0	2	1	0	0	2
MPPED1	2	0	4	0	0	0
FSCN2	61	54	69	34	38	36
FOXI2	0	0	0	0	0	0
SPIN4	368	269	649	569	307	418
ZNF732	0	0	8	0	13	0
SPIN2B	112	80	105	82	59	146
SPATA31D	0	0	0	0	0	0
FOXE3	2	0	0	0	0	0

HYAL3	28	76	48	44	67	68
KCNK18	0	0	0	0	0	0
IFNA10	0	0	0	0	0	0
VSIG10L	34	23	57	35	46	15
CXCR3	277	117	368	354	184	246
ZNF397	2551	1315	2452	1914	1170	2052
ZSCAN30	1167	679	1084	955	828	1085
TPCN1	4203	2332	5543	3421	3319	3376
LILRB4	675	319	686	468	481	390
TNFRSF4	99	79	173	131	71	141
KRT16	0	0	0	0	0	0
HEXIM1	2205	1454	3134	2360	1509	1515
SELENOV	0	0	0	0	0	0
LCE1A	0	0	0	0	0	0
KRT14	0	0	0	0	0	0
TRABD2A	6814	2832	5615	4502	2187	3837
KRTAP17-	0	0	0	0	0	0
PDZD7	37	18	47	47	20	33
POFUT2	2152	1071	2131	1718	1088	1059
QRFPR	0	0	0	0	0	0
MAPT	47	23	83	47	31	47
ERCC6L	46	42	27	14	16	77
OR13F1	0	0	0	0	0	0
OR5D3P	0	0	0	0	0	0
TMEM17	27	34	43	20	62	9
TNFRSF18	27	27	124	158	68	154
FGF3	0	0	0	0	0	0
C1QL4	0	0	0	0	0	0
RTN4RL2	7	7	10	9	3	8
ZDHHC17	5997	3346	6529	6037	3851	4335
SERPINA1	0	0	5	0	0	2
P2RY4	29	15	22	16	28	30
ZNF395	2882	1723	3583	2779	1980	2221
ZACN	147	60	218	146	67	84
KRTAP22-	0	0	0	0	0	0
KRTAP19-	0	0	0	0	0	0
KRTAP6-2	0	0	0	0	0	0
OR13C8	0	0	0	0	0	0
PPARA	1948	1021	2545	1081	1428	1377
TMEM232	100	24	32	25	46	15
KRTAP19-	0	0	0	0	0	0
KRTAP19-	0	0	0	0	0	0
KRTAP15-	0	0	0	0	0	0
KRTAP13-	0	0	0	0	0	0
FAM183A	0	0	1	0	0	5
EFCAB6	61	16	32	16	15	19
KRTAP19-	0	0	0	0	0	0
KRTAP23-	0	0	0	0	0	0
KANK3	75	104	78	122	67	99
EMID1	11	9	15	44	3	4
ACTL7A	3	0	4	0	0	4
KRTAP21-	0	0	0	0	0	0
RHD	74	101	104	96	504	105
ESPN	25	26	57	26	16	29
PNLIPRP1	0	0	0	0	0	0
PTRH1	101	102	112	217	74	77
KRTAP21-	0	0	0	0	0	0
SAMD7	0	0	6	0	0	0

GPR141	1288	843	2217	1564	1008	1151
TMPRSS6	43	15	52	73	28	30
CYP4A11	0	0	0	0	0	0
TMEM216	216	155	248	249	213	199
RPS19BP1	784	457	1042	706	417	400
TMPRSS11	0	0	0	0	0	0
TMEM262	18	8	29	22	13	13
C3orf70	2	0	6	0	2	4
TEAD1	12	5	7	0	0	7
OR2AK2	0	19	8	52	0	46
DEFB106B	0	0	0	0	0	0
PLCD1	595	458	912	717	489	527
CCK	0	0	0	0	0	0
ENTPD5	924	472	1388	1073	737	885
MITF	448	228	432	485	400	351
HEATR4	10	8	14	10	9	0
NAP1L1	17776	9103	18362	12798	15369	13339
LILRA5	2113	1202	3632	1787	1867	1906
CMC1	2495	980	2255	3751	1043	1800
SLIT1	91	68	83	81	38	36
LYPD6	0	0	0	3	0	0
AKR1C1	139	54	113	125	69	126
VSTM2B	9	8	31	7	26	4
FOXD3	0	0	0	0	0	0
SPATA21	23	13	59	31	20	17
RNF220	2126	1139	2455	2145	1419	1573
ANGPTL5	0	0	0	0	0	0
SHTN1	2664	993	1241	2283	1920	2738
H1FNT	2	2	0	4	12	4
LCE4A	0	0	0	0	0	0
LCE2A	0	0	0	0	0	0
KRTAP12-	0	0	0	0	0	0
LCE2C	0	0	0	0	0	0
AL162231.	18	5	11	20	0	14
ZNF546	217	65	337	692	92	121
TSPYL4	1010	710	1691	1334	695	938
DAZ3	0	0	0	0	0	0
MT1X	74	48	115	99	74	84
GCNT1	406	220	417	446	330	335
LCE2D	0	0	0	0	0	0
SESTD1	4402	2011	4047	3324	3109	2438
LCE3B	0	0	0	0	0	0
FNBP1	14175	7952	16052	12560	8917	10646
DYNC2H1	1369	679	1625	1576	621	1333
KRT12	0	4	0	0	0	0
MAGED4B	104	34	0	0	0	6
BCAM	0	0	0	0	0	0
RSBN1L	3992	2266	4363	3350	1709	3242
NPSR1	0	0	0	0	0	0
WDR86	73	132	135	65	78	82
EPOR	166	194	372	233	332	166
FAM9C	8	14	14	0	2	2
KRTAP9-8	0	0	0	0	0	0
CIDEC	0	0	0	3	0	2
DCC	2	0	4	0	0	0
TAF9B	517	259	579	502	230	434
PCDHB13	0	0	8	5	8	11
MAGI2	33	32	39	35	53	34

LUZP2	0	0	0	0	0	0
LHFPL3	0	0	0	0	0	0
CHP1	4745	2871	5944	4577	4009	3799
FPR3	167	78	338	205	262	84
HIST1H1T	11	10	9	1	13	5
C11orf96	9	0	3	2	0	0
KCNJ11	6	4	10	6	4	0
CDHR4	0	1	2	15	6	0
COL4A1	3	0	0	0	8	0
PLEKHG7	113	73	138	55	129	129
GJA4	4	3	0	3	14	0
PTMA	7893	4900	6197	5127	3148	5118
HYPM	0	0	0	0	0	0
HSPA14	597	287	889	616	415	560
ATP13A5	5	0	12	0	2	0
SIRT7	1660	1206	2507	2110	1297	1340
PRR27	0	0	0	0	0	0
IFT140	532	160	463	325	328	240
POTEG	0	0	0	0	2	4
PRAMEF10	0	0	0	0	0	0
AGMO	0	0	0	0	0	0
SBK2	0	0	0	0	0	0
CYP26C1	74	28	54	51	39	31
TLR5	979	918	896	905	617	689
USP7	9532	5665	12191	9995	6203	6936
NANOS3	3	13	2	0	2	0
FOXD4L3	5	12	2	4	0	3
NHLRC1	76	30	70	69	55	52
DPPA3	0	0	4	0	0	0
COX8C	2	0	0	0	0	0
PLEKHN1	25	47	66	34	38	29
ZNF385C	5	15	22	3	25	14
MAGEH1	340	179	405	354	186	286
TET3	12153	7215	15319	11970	8600	7994
ZNF286A	369	407	340	376	255	294
ISG15	374	276	1133	543	388	334
EXD3	543	303	690	489	391	443
OR5W2	0	0	0	0	0	0
MYMK	0	0	0	0	0	0
C17orf97	67	7	4	30	0	4
ZKSCAN4	301	148	403	316	158	383
RGPD1	592	42	464	621	418	270
DHRS4L2	204	92	373	466	278	227
SAMD11	4	4	10	3	6	3
PERM1	0	0	6	0	0	0
VMAC	1051	515	1211	911	640	821
C5orf52	0	0	0	0	0	0
HAPLN4	4	0	0	0	0	4
ERC2	6	3	10	3	12	5
B3GLCT	741	362	859	799	462	508
SPRY4	0	2	0	0	0	0
ERAS	0	0	0	0	0	0
TRPV2	3602	1839	4659	4208	2340	2669
AMTN	0	0	0	0	0	0
CXorf67	40	14	23	19	26	33
C2orf88	3049	3207	6699	3277	4673	3070
OR2T27	0	0	2	0	0	0
TMEM203	1080	491	1121	1103	685	696

SLC18A3	0	10	3	0	0	0
KBTBD12	4	4	28	16	33	8
THSD4	0	0	0	0	0	0
DNAJB13	21	6	34	12	26	9
GABRD	0	12	3	0	0	0
AMY1C	0	0	22	20	5	16
TCEA1	4805	2488	5774	4742	3447	3621
NHEJ1	789	356	775	800	429	570
FANCA	926	453	1374	872	600	609
SECISBP2	9955	6710	13204	10562	7846	8002
OR52B6	0	0	6	2	0	0
C9orf153	21	15	43	33	25	13
SSX7	0	0	0	0	0	0
ADH1A	0	0	0	0	0	0
SEMA4D	23591	17168	31403	21821	14897	16343
KRTAP10-	0	2	0	0	0	0
LIN28B	0	0	0	0	0	0
FAM69C	0	0	0	3	0	0
DNAH17	34	62	104	34	12	50
MCRS1	1612	801	2108	1919	1123	1246
TMEM72	5	3	0	0	0	0
FANCM	1564	816	1929	1341	712	1342
FAM205C	0	0	0	0	0	0
ZNF70	933	391	904	847	456	585
CARD9	869	434	948	764	655	634
PEAR1	362	351	495	495	949	260
ZFP69B	225	83	202	209	111	138
TMEM202	0	0	0	0	0	0
SOWAHD	107	63	88	51	61	61
ZFP69	442	152	333	352	234	289
HELT	0	0	0	0	0	0
RTL4	0	0	0	0	0	0
TMEM220	164	48	131	87	41	60
C2orf78	0	0	0	0	0	0
HIST1H1C	2781	1153	2686	2067	1389	1225
PLSCR3	958	461	983	761	549	762
EIF4EBP1	302	135	345	230	225	210
P2RX2	4	0	3	3	2	0
ASCL4	0	0	4	0	0	0
OR6C75	0	0	0	0	0	0
CCDC157	134	108	335	196	96	85
TTC24	267	95	252	221	211	155
FAM122A	1866	867	1754	1384	1024	1370
PALM3	3	0	0	0	3	0
GFRAL	0	0	0	0	0	0
FYB2	0	0	0	0	0	0
SHISA7	0	0	0	0	0	0
LRRC74B	6	0	0	1	6	0
DMBT1	0	0	0	0	0	0
CLEC17A	530	508	1100	540	467	263
OR51I2	0	0	0	0	0	0
LCN10	159	161	142	46	119	66
LDLRAD2	28	19	50	42	51	36
C2orf66	6	0	0	2	6	12
OVCH1	10	0	4	0	3	2
CYHR1	1203	765	1720	1326	861	967
COL14A1	0	0	0	4	0	2
DNER	0	0	4	6	8	14

CPSF4L	4	0	3	0	0	1
KLHL17	377	273	521	483	185	272
ZCCHC13	0	0	0	0	3	0
PLA2G2C	25	5	18	6	30	14
ZSCAN23	118	23	55	76	59	37
RINL	1624	883	2068	1767	852	1178
C17orf99	0	0	0	2	0	1
OR7D2	8	64	2	6	5	0
TPRG1	180	110	424	327	213	297
MORN2	33	15	38	34	25	19
RTP5	32	32	101	53	33	35
S100A3	0	0	2	0	6	0
UBQLN2	3856	1859	3254	3146	1716	2777
RILPL1	236	120	251	207	128	143
C19orf67	2	0	0	5	0	0
ZNF490	1583	734	1881	1630	1007	1092
CLCN1	22	6	2	13	7	2
NRN1L	26	26	24	37	22	26
NWD1	0	5	15	2	10	14
ARL4C	18562	9330	23352	24419	11696	12074
RNF133	0	0	0	0	0	0
TMEM221	4	0	5	0	0	0
TREML4	13	12	227	4	51	115
RAB42	1	6	0	0	2	0
WNT7B	0	0	0	0	0	4
C11orf95	430	200	492	400	280	276
SCGB1C1	5	7	1	4	3	0
PRSS45	0	0	0	0	0	0
PLA2G4E	0	0	0	0	0	0
GPR89B	1817	880	2067	1996	1118	1598
MESP2	0	0	0	3	4	6
FAM25A	0	0	0	0	0	0
EYS	29	13	19	21	2	15
C6orf132	10	6	5	3	4	6
DAZ1	0	0	0	0	0	0
OR2AG2	0	2	16	0	4	0
MAPK12	366	153	465	504	247	226
TMEM215	0	0	0	0	0	0
NUTM2G	33	8	43	38	15	17
COL4A5	0	0	7	4	0	0
KRTAP10-	0	0	0	0	0	0
AGRN	490	248	784	546	385	203
NHS	569	466	822	434	380	439
OTOG	0	0	0	0	0	0
FAM166A	11	12	10	14	8	4
TMPPE	2094	1192	2175	2224	1320	1384
ZNF626	1099	286	789	782	411	524
HEPACAM	0	0	0	0	0	2
SMTNL2	0	0	0	0	0	0
ZC3H6	1821	878	1765	1493	858	1528
LAMTOR4	581	396	619	504	353	424
PRKAR1B	626	323	533	453	474	316
NUTM2B	44	53	43	91	71	53
NCR3LG1	615	310	776	690	435	473
DCUN1D3	790	686	1041	974	670	775
POTEE	0	2	0	1	0	0
AD000671	0	0	0	31	0	0
ZNF793	297	166	184	292	96	112

TUBB4B	1056	981	1696	1351	1044	929
AGAP4	615	266	1307	440	421	493
COMMD6	1201	515	1366	1227	744	887
PLA2G2A	0	0	0	0	0	0
IL17REL	0	0	2	0	0	0
HYKK	101	48	99	73	16	112
OR7A5	0	0	0	0	0	0
C15orf62	48	20	60	55	34	58
RUFY4	236	45	180	194	146	81
ZNF383	1130	358	1118	692	407	501
HES4	29	21	36	21	42	14
IGFL1	0	0	0	0	0	0
ZNF669	384	277	397	405	231	221
PEAK3	307	239	506	356	193	169
LRRIQ4	0	3	4	0	0	2
CENPP	441	228	417	525	213	323
PLSCR1	2585	1662	3553	2716	2576	2046
C3orf62	1687	1483	2208	1444	1048	1104
ENO4	0	0	6	2	0	0
ZNF559	2551	534	1827	749	433	2007
SBK1	1800	661	2973	2013	934	1304
OR6C6	0	0	0	0	0	0
BSPH1	0	0	0	0	0	0
SLC38A3	0	0	0	0	0	0
OR6N2	10	4	12	41	12	63
GTF2F2	1308	723	1806	1293	916	935
FAM92A	52	9	28	33	19	13
FOCAD	2675	1284	3436	3071	2026	2216
PRR19	0	6	13	2	0	3
ZP3	129	44	191	70	85	49
C10orf99	0	0	5	0	0	0
H3F3C	21	11	66	12	39	10
IFNA2	0	0	0	0	0	0
JAKMIP3	33	16	78	25	54	40
PPP3R2	0	0	0	0	0	0
PDCD1	126	61	158	96	61	92
CLEC2A	24	0	0	10	0	0
GPR21	201	148	325	220	111	120
TCTEX1D4	23	44	80	31	21	16
SELL	27463	18012	33451	21986	13171	16035
MAGEB5	0	0	0	0	0	0
CHM	2319	1144	2525	2345	1506	1920
NANOS2	0	0	0	0	0	0
BLOC1S5	1162	675	1085	1235	688	1018
CERKL	14	10	24	19	7	13
SLC24A5	2	0	0	0	0	0
IER5L	149	56	126	136	51	112
H2AFX	308	197	486	343	222	295
INSC	7	10	28	4	0	3
SERPINA5	0	0	0	0	0	0
C19orf54	131	114	392	251	147	291
LCTL	0	0	0	0	0	0
NCCRP1	0	0	0	0	0	0
KRTDAP	0	0	0	0	0	0
COL25A1	26	4	24	12	26	11
FAM83G	375	291	614	667	267	368
CFAP77	0	0	0	0	0	0
SRSF10	7302	4682	9934	8308	4979	5530

HBA2	1533	828	2777	3032	813	5335
DUSP28	478	243	578	465	318	356
CCDC9B	493	272	667	431	513	206
NBR1	8495	5175	9824	8347	5276	6613
OR2G6	3	4	21	6	6	17
RALGAPA2	7147	5414	8837	7619	4569	5940
NDOR1	769	458	1069	763	696	551
FBLL1	0	0	8	2	1	0
NKAIN2	4	10	19	4	41	10
KRTAP1-1	0	0	0	0	0	0
PAQR9	0	0	2	0	0	0
CLEC20A	14	10	16	4	4	7
CFAP54	45	47	71	5	18	13
CLN3	1631	1275	2414	1381	1196	1289
FAM72B	47	22	45	33	22	29
ASAH2	82	45	120	38	55	95
SUMO2	2981	1910	3661	3048	2178	2235
NANOS1	4	6	8	16	4	10
HMX3	0	0	0	0	0	0
IGFL3	0	0	0	0	0	0
GOLGA8M	47	16	16	19	13	16
ZNF177	61	17	55	12	38	60
RTL6	1866	945	3376	3499	1620	1558
DPYD	16634	9095	21409	16801	12953	14207
S100A16	0	2	0	0	0	0
PTAR1	12204	6343	13031	11173	7424	10367
CC2D2B	234	91	234	131	215	107
RNASE9	0	0	0	0	0	0
SAXO2	43	21	44	23	22	27
RHCE	10	7	11	8	20	1
C2orf80	0	0	0	0	0	0
IDO2	10	6	15	20	26	5
PARVB	1506	926	1986	1073	3739	1092
SLC4A5	503	345	559	472	299	508
UROS	1411	452	1165	1043	669	1124
OR56A5	0	0	0	0	0	0
KRTAP24-	0	0	0	0	0	0
ZDHHC9	121	118	233	174	126	155
ZBED6CL	527	425	1073	648	520	487
QRFP	4	7	3	1	6	2
DUPD1	0	0	3	0	0	0
SMIM15	1760	740	1650	1726	830	1192
OSTN	0	0	0	0	0	0
VWC2	0	0	0	0	0	0
FAM221A	221	101	676	599	357	474
TMEM120I	754	491	1273	586	476	646
FSIP2	30	27	65	107	0	91
RBM34	1109	780	1496	1273	778	857
NOXA1	308	128	246	217	211	288
TMEM198	10	2	30	14	18	7
BCL2L15	339	141	349	373	163	291
FZD9	0	4	0	0	4	0
SPRED3	8	7	11	33	26	18
OPTC	0	0	3	0	0	0
PLET1	7	0	0	0	2	0
ADRB3	0	0	0	0	0	0
SKOR1	87	31	91	67	77	39
CATSPER4	0	0	0	0	0	0

PRELP	0	0	0	0	0	0
PLA2G2E	0	0	0	0	0	0
ZNF548	1337	898	2460	2414	1374	1157
MTF1	3898	2368	5177	3349	2563	3418
TMCO2	4	5	4	4	4	5
SHISA6	0	0	0	0	0	0
TMEM201	402	321	530	398	281	309
NHLRC3	4164	1760	4357	3820	2595	3320
HMX2	0	0	0	0	0	0
SNTN	0	0	0	0	0	0
ZDHHC11	86	139	132	73	87	161
CALHM6	96	46	142	434	83	185
CNR2	1389	861	1545	1275	989	953
SLX4	1136	735	1736	1130	885	830
GLRA4	1	0	16	2	10	6
ENTPD8	4	4	0	2	8	3
RPL14	5592	3330	5128	4897	3081	4602
BEND4	483	301	584	390	302	330
FAM78B	15	0	8	16	11	0
ZNF563	231	185	201	206	151	243
TMC3	0	0	0	0	3	0
FBF1	776	317	647	595	500	526
KLRG2	12	0	4	0	4	0
ASTL	86	70	42	68	42	13
MSL1	7027	6988	11650	6942	4863	5880
AC099489	750	1992	2401	717	454	263
LRRK2	22530	27772	38836	23794	16828	21434
BSX	0	0	0	0	0	0
GJB3	0	0	0	0	0	0
INSYN2	8	12	4	4	19	6
TRMT2B	2954	1469	3250	3090	1903	2118
HACD4	5887	3428	8309	5598	4724	5320
CFAP126	3	0	1	0	7	0
NYX	0	0	0	0	0	6
FAM120AC	2165	1153	2364	1869	1405	1387
UTS2B	22	4	32	38	28	17
C9orf152	0	0	0	3	0	0
NOC2L	2005	1190	2566	2051	1351	1511
MSANTD1	132	108	147	198	81	110
AADACL3	0	0	0	0	0	0
NELFB	1675	987	2286	1962	1246	1308
SLC15A5	0	0	0	0	0	0
LIPI	0	0	0	0	0	0
LRRC66	32	12	36	27	21	18
ZNF292	14452	9736	18833	14019	9496	11734
HUS1B	86	52	110	89	106	95
KCTD21	435	238	669	430	232	64
SBSN	3	0	0	0	0	3
ADAT2	1396	666	1507	1388	938	963
KIR2DL4	56	31	33	29	44	7
MAGEB16	0	0	0	0	0	0
VHLL	5	0	2	7	0	3
DUSP21	0	0	0	0	0	0
ZNF567	823	459	933	722	470	610
NDUFA4	1304	624	1455	1414	994	961
ANKDD1B	59	20	38	41	25	38
ALKBH2	147	49	188	105	48	171
RNFT1	1227	852	1308	1553	669	1241

RNF222	14	20	5	13	3	12
CGB5	0	0	0	0	0	0
RELN	3	3	2	0	0	0
FAM111B	385	143	624	435	182	272
APOD	0	0	0	0	0	0
H1F0	496	369	684	401	579	511
GAGE2A	0	0	0	0	0	0
LITAF	9444	6705	9821	12328	6041	3017
VSTM1	159	142	276	186	127	173
TMEM120A	401	338	661	332	277	261
ARID2	10535	5817	11840	10080	6589	7496
FAM25G	0	0	0	0	0	0
SF3B3	10888	5404	12737	11370	6253	8426
PRSS48	0	0	0	0	0	0
IL1RAPL2	0	0	0	0	0	0
BLOC1S3	560	350	598	573	360	463
SP6	7	3	3	5	3	3
ANKRD34B	15	34	90	20	10	101
PLAC9	2	5	6	0	0	3
FAM47B	0	0	0	0	0	0
NKAPL	6	19	8	14	0	12
FSCB	0	0	0	0	0	2
CLDN4	5	7	4	4	2	9
ZNF573	962	489	826	1010	579	793
GRAPL	493	97	239	176	208	218
FAM47E	11	6	6	4	12	9
JPT1	1118	712	1668	939	702	742
ZNF527	790	190	368	508	329	306
ZAR1L	5	0	3	0	0	7
KRTAP10-1	0	0	0	0	0	0
S100A13	134	68	104	96	63	103
ZNF33A	4531	1800	2997	2448	3016	2989
OR14I1	0	0	0	0	0	0
KRT77	3	0	0	0	0	0
PCDH18	0	0	0	3	0	6
DCAF8L2	0	0	0	0	0	0
ZNF600	2254	1347	4380	3800	1313	1728
BTBD8	587	312	643	522	370	537
MAOA	13	0	8	5	0	0
C15orf61	256	104	298	246	150	155
NUGGC	474	112	237	320	172	401
TSPYL1	4992	3655	6851	6231	3053	4348
SPANXN3	0	0	0	0	0	0
TRIM64B	30	91	78	125	8	43
PNRC2	879	488	2254	1591	1139	1195
DRICH1	42	22	41	22	5	21
GJB5	0	0	0	0	0	0
FHIT	1239	231	246	291	241	62
ALKAL2	10	11	20	3	2	2
ZKSCAN3	910	389	1027	786	477	684
FOXR2	0	0	0	0	0	0
RRP7A	2670	1310	2938	2419	1482	2379
LIN54	1767	1154	2053	1590	1303	1216
FAM53B	10418	6468	13599	12562	7690	7471
FAM180A	0	0	0	0	0	0
C6orf222	0	6	6	0	0	0
SPANXN4	0	0	0	0	0	3
S100A14	0	0	0	0	0	0

KAZN	33	58	98	24	13	11
SLC35E2B	9557	4051	9199	7351	6663	6753
TOGARAM	513	303	884	963	503	321
SPATA31D	0	0	0	0	0	0
NEMP2	2547	1166	2234	1997	1231	1552
ALG1L	0	7	0	8	5	0
KIAA0408	22	0	38	18	4	74
GSPT2	490	177	398	340	166	314
TBC1D28	3	0	0	4	0	0
C8orf76	591	384	843	732	535	469
CXCL17	0	0	0	0	0	0
OTUD6A	0	0	0	0	0	0
HMGB1	5751	3538	7223	5560	5031	3451
MMP23B	73	43	168	110	50	40
SH2D5	22	11	12	16	6	3
ZFP92	121	140	343	273	120	148
NCR1	852	426	1136	1074	519	389
RASSF10	0	0	0	0	0	0
GJB4	0	0	0	0	0	0
OR2L13	8	3	4	14	11	11
BLOC1S2	693	444	1965	871	511	566
SYCP2	509	280	778	480	286	505
ZNF724	250	176	203	178	145	283
IL1RAP	1223	2782	2251	1930	1057	960
PTPRT	5	0	5	5	0	0
MYBPC1	2	0	4	0	0	0
PAX5	4816	2488	5069	2519	2744	2042
OR5K4	0	0	0	0	0	0
OR6M1	0	0	0	0	0	0
SPOCK3	17	6	0	17	3	6
ZNF676	0	0	0	0	0	0
ZNF699	865	538	1182	1008	528	761
TDRD7	2160	1388	2630	2140	1248	1482
CCDC189	45	36	77	47	56	24
OR8A1	0	0	0	0	0	0
KIAA0895L	260	216	429	287	211	267
HLA-DRB1	12723	3368	19275	4585	19181	9972
VN1R2	0	0	0	0	0	0
MYT1	0	3	1	0	0	2
SERPINA3	0	0	0	0	0	0
AKR1C3	677	248	913	898	410	163
SPATS2L	174	71	432	236	147	180
ZNF250	849	390	683	772	448	637
WDSUB1	760	443	796	722	569	589
ZNF79	343	214	495	405	227	294
S100A4	6436	3542	8869	7031	4220	4696
PLEKHG4	535	312	748	710	365	467
KRTAP4-3	0	0	0	0	0	0
FAT4	332	224	567	863	114	535
C8orf86	0	0	2	0	0	0
KIF19	249	40	688	81	211	54
OR6K2	0	0	0	0	0	0
ZNF681	579	226	452	526	154	452
ACADSB	1375	775	1396	1273	844	732
STK40	3450	3943	5696	3558	3023	2550
OR10J1	0	0	0	0	0	0
TMEM63A	15558	8747	17743	13895	9790	12617
CTSE	0	0	0	0	0	7

SEMA4A	2754	2339	3325	2598	2742	2190
HRCT1	0	0	0	0	0	0
MPHOSPH	4629	2317	4695	4067	2302	3502
GREB1	30	12	72	61	37	17
SIRPB2	1737	1062	1539	3201	1396	1348
ZNF766	1730	801	1838	1450	883	596
RYR1	329	80	210	259	204	103
SRGAP3	326	195	371	329	184	275
KRTAP5-3	0	0	0	0	0	0
FAM217B	107	39	2066	107	46	49
SULT1C3	0	0	0	0	0	0
TUBB	5699	3890	7698	5910	4289	4421
LCOR	13787	6294	13609	11902	8769	7936
SUPT5H	4698	3521	7419	5907	4189	3799
XPNPEP3	1730	1108	2498	1855	1370	1487
OR2T2	6	4	1	4	6	6
OR2C3	0	10	0	0	0	5
ZNF107	4048	1842	4064	2534	1901	2356
OR10S1	0	0	0	0	0	0
SFTA2	1	0	3	0	0	0
PPIA	15722	8402	18216	16452	10303	10348
ZNF471	159	43	74	135	101	102
ZNF836	1197	656	1142	1147	580	1021
ZNF493	3160	1092	2784	2168	1626	1758
GTF2IRD2	754	531	760	934	614	685
GRM7	0	0	0	0	2	0
SUPT3H	700	364	599	517	261	475
BECN2	0	0	0	0	0	0
NIF3L1	544	248	637	537	363	436
ATP2A1	63	17	42	23	25	30
IARS	6298	3185	7370	6609	3679	4753
MFSD14C	5671	2732	5364	5203	4442	4759
POM121	3533	1927	4286	3922	2916	2564
ZBTB44	3268	1816	3911	3045	1656	3635
GIMAP5	8401	2307	5502	5736	4033	5982
STK31	56	18	72	83	16	28
CGB7	0	0	0	1	0	0
NLGN3	156	169	262	156	127	116
OR8D1	0	0	0	0	0	0
ADH7	0	0	0	0	0	0
ZKSCAN7	161	67	230	258	131	296
ZNF729	0	0	0	0	0	0
CD55	9133	4955	9264	6443	6004	4435
CPNE4	2	0	9	0	18	3
ZNF565	248	129	351	227	196	195
NTNG2	836	984	2234	1177	600	911
ELAVL3	0	0	0	0	0	0
WDR5	1882	917	2210	1940	1260	1361
LONP1	1300	890	1907	1474	945	1128
TRRAP	16834	9214	19986	16366	10942	12129
NUDT11	21	16	71	73	4	32
SRGAP2B	2398	1382	2663	2210	2097	1572
FUT4	1580	1552	3528	1898	1520	1381
ASB13	505	212	683	465	379	380
SLC35F1	0	0	0	2	0	0
ZNF34	168	69	194	150	98	132
ZNF781	214	114	242	220	133	176
ZNF140	878	355	515	473	279	400

INCA1	6	0	3	3	13	3
ZNF774	39	15	17	49	20	20
PTPN1	6983	3828	8879	7625	5657	5048
EVL	21602	12216	30636	22911	11991	18320
SPANXD	0	0	0	0	0	0
THEM5	2	12	26	10	20	3
NOXO1	16	5	19	2	12	9
EPHB4	513	218	543	309	232	272
PRTN3	8	6	14	0	0	3
ZNF765	1980	896	2164	1719	1038	1459
ZNF124	2445	1312	3441	3030	2321	1890
XRCC6	6814	3436	8079	7398	4251	4745
S100A5	7	8	22	9	2	13
C20orf204	244	92	168	56	14	172
PPP1R26	329	185	322	303	173	225
NBPF4	0	0	26	12	2	0
TSC22D2	3470	2985	5226	4057	2343	2590
CRYBA4	0	0	3	0	2	0
ASMT	0	3	15	4	0	7
NPIPB15	82	94	147	152	47	104
ZNF569	606	277	540	493	371	430
ARMCX4	745	349	769	523	349	454
YRDC	567	637	1411	942	612	392
ZNF777	464	263	523	461	224	323
PIK3R4	3750	2027	4736	3374	2163	2942
ZNF775	39	73	40	31	69	23
ZNF605	1523	691	1387	1281	467	1094
TRAPPC2	704	361	2916	2338	1955	593
RFX8	5	18	18	25	2	13
MYL6B	77	35	77	74	50	48
ZNF799	662	391	825	778	343	589
FGF16	0	0	0	0	0	0
SIAH1	1853	2107	4175	2618	2216	1307
GK2	0	0	0	0	0	0
C20orf96	86	45	183	108	72	89
ESRRG	0	0	2	2	2	0
IPO4	336	398	551	346	316	358
NCOR2	6297	3466	7850	5674	4105	4182
SULT1A1	1331	724	1557	1588	898	1499
ARL9	6	5	9	11	10	6
PRPF40A	8746	4423	9061	7580	5209	6695
GDAP2	6885	3704	7410	6462	4689	5425
TCEAL3	22	24	60	39	42	74
ANAPC7	2595	1687	3659	2941	1841	2070
TPK1	1803	919	1976	1584	1000	1677
SLC6A9	16	4	10	6	17	0
AFAP1	888	610	1303	801	1391	683
NACA	4960	3385	5425	4718	3984	4075
MYO18A	6335	3069	8174	6519	4635	4286
OR2T3	4	0	6	3	0	0
SPTSSB	52	60	66	58	14	59
BORCS6	583	342	815	589	501	466
MAN2A2	5192	3638	8242	6009	3070	2656
MME	759	3870	6587	264	268	125
FAM72A	96	20	116	73	59	39
CCDC196	3	0	2	0	0	0
CACNA1H	140	99	180	172	88	111
SULF2	4503	2715	4516	3518	2987	3699

HBG2	26	107	259	362	1047	3
LAMA2	323	139	240	318	132	156
PFN3	0	0	0	0	0	0
PLXNB2	11451	4751	11524	10103	8870	8014
OR5AC2	0	0	0	0	0	0
AJAP1	44	52	84	129	184	11
XRCC2	106	75	105	80	58	73
MYO6	812	288	866	1165	511	576
MRTFA	4016	2590	5256	3924	2859	3059
MBD3L2B	0	0	0	0	0	0
HDAC2	3354	2046	4315	3449	2481	2850
ZNF782	1387	577	1176	960	615	883
SLC22A25	0	0	2	0	2	0
POTEF	0	2	1	0	0	0
ZNF846	717	328	819	780	431	494
MMP1	34	26	32	11	142	10
ADH1B	0	0	0	0	0	0
UGT2B15	13	0	10	0	0	0
TCF4	4578	2701	5642	3892	4645	3134
WNK3	29	14	33	28	19	24
SDHAF3	279	114	280	214	117	248
HRH1	0	7	7	4	4	5
RABL6	2958	1482	3975	3173	2030	1915
ZNF136	825	745	1300	1012	691	609
ZKSCAN5	992	503	1085	945	620	747
ZNF502	433	89	209	341	135	215
TRAPPC4	825	741	1330	1084	857	767
TTC30B	277	145	240	256	77	142
SLC30A10	3	0	0	0	0	0
TECPR2	1783	2603	3316	1574	1334	1223
TLR7	2790	836	3024	1853	1329	1963
FAM180B	2	6	4	7	8	2
ZFP62	666	286	754	621	341	460
ERI2	434	190	325	306	191	298
TOMM7	804	502	994	542	503	685
HSH2D	2512	1780	1771	2573	1598	1475
TRPV1	320	230	444	437	234	329
ZNF33B	4255	1670	3479	2650	1949	2709
ZNF512B	1274	725	1568	1351	761	1007
AMZ2	1938	856	1971	2221	1148	1453
ZNF431	4444	2071	3858	2513	2039	2158
ALKAL1	0	0	0	0	0	0
NF1	9797	4770	10200	8536	5545	6644
VKORC1L1	1636	1038	2409	1982	1820	586
ZNF418	315	123	81	188	97	206
DAPK1	5017	2598	6027	3465	4124	2989
LCE1B	0	0	0	0	0	0
HLA-DQA	4971	2893	5105	708	9615	3330
COL27A1	9	11	10	16	2	12
GM2A	3152	1677	4374	2891	3990	1993
HIST1H2A	126	119	189	162	157	120
CLPSL2	0	0	0	0	0	0
S100A2	0	0	4	1	0	0
ZNF700	3461	2184	4345	3350	2080	2495
POU3F4	0	0	0	0	0	0
OR14A16	0	0	0	0	0	0
CD47	27988	15933	36192	28865	20076	21758
OR52K1	99	81	166	66	92	124

TLE1	1090	719	1322	1142	679	433
MAML3	1474	1160	1907	1377	1092	1021
HIST1H2A(	640	630	1526	785	1266	676
STRN3	2609	1494	2985	2227	1779	1755
ZNF239	181	83	150	180	104	155
SPINK14	0	0	0	0	0	0
SPRR2B	0	0	0	0	0	0
CHRNG	19	5	14	6	5	4
ZSCAN16	360	179	293	352	156	238
MVB12B	1056	541	1980	1715	1157	947
C6orf106	7031	3786	9499	7731	4992	4861
AC008758	0	0	0	0	0	0
OR11G2	0	0	0	0	0	0
POTEI	0	0	28	5	0	6
ADA	695	375	855	1110	547	626
ARID5A	926	1004	1844	1356	712	924
PATE2	6	0	0	3	0	0
PPTC7	7095	5006	9751	7797	5393	5116
KRT39	0	0	0	0	0	0
TOMM20L	19	9	6	8	7	9
RGPD4	57	39	67	48	40	6
NHLRC2	6434	2506	6139	5741	3271	4671
HIST1H2A(	87	22	11	140	13	48
ZFP28	603	228	290	501	235	387
KIAA1211L	29	33	42	24	12	11
CBWD3	1828	960	2694	1571	862	1221
SCN8A	120	50	62	126	111	69
LAMB3	22	206	137	29	64	32
HIST3H2BE	93	66	151	154	69	79
TEX43	0	1	0	1	0	3
KPNA5	3657	1545	3144	3093	1755	2782
ANKRD36E	4279	1867	4697	3649	1800	2658
ARHGEF12	4535	2940	7049	6846	7334	2947
HCAR1	5	2	6	0	6	0
PDLIM7	536	1122	1470	671	592	429
FLNA	125685	81532	198327	158845	154298	100531
TMEM26	0	0	0	0	0	0
SRGAP1	132	44	81	62	58	42
FAM3C	1694	761	1513	1687	908	1270
NOP9	3016	2123	3734	3311	2330	3434
OR2T4	1	0	0	0	0	0
ZNF705A	4	0	7	4	4	0
SLC39A10	4896	2069	4217	3755	2641	3026
CASP4	4608	3979	5765	3667	2440	3360
AP2A1	4838	2925	5926	4788	3533	3243
ZNF585A	1120	541	810	1023	580	556
FUT11	2523	1094	3137	2916	1318	1946
SMIM10L2	2	6	6	4	4	4
ANXA4	2370	972	2187	2020	1448	1384
LAGE3	247	58	241	174	102	158
WDR5B	1038	408	839	780	463	646
FAM163B	0	0	0	0	0	0
NPIPB9	81	46	108	102	59	81
WDR45	1057	797	1357	1042	744	804
METTL9	3102	2187	6166	2999	3158	3990
ZNF138	1211	174	1006	225	421	674
ZNF429	484	124	571	353	281	362
ZNF470	623	206	284	548	200	471

SERTAD1	244	350	532	350	186	227
ZNF100	1323	273	611	1143	520	1787
CXorf40B	769	359	932	844	466	490
ZNF398	2264	1316	2725	2260	1273	1117
ZSCAN25	2130	1241	2879	2555	1105	1879
ANXA6	12264	6619	18858	12900	7926	9642
ZNF441	1228	467	1303	1054	767	998
GMFB	4066	2077	4568	4128	2290	3139
SIGLEC15	109	23	119	12	22	67
ZNF420	570	422	834	775	218	608
ZNF763	386	153	304	300	54	169
ZMYM1	1955	726	1883	1552	985	1235
DTHD1	1948	946	3153	3271	1477	1947
HIST1H4C	830	473	1014	948	533	578
ZSCAN26	768	385	801	689	474	610
MAFG	871	682	908	386	407	433
ARRDC1	2229	1483	2272	1758	1425	1724
KIAA1671	1042	514	2687	2306	1052	838
KRT35	0	0	0	0	0	0
IGF2R	29842	31791	53293	35841	21419	19688
LCE1C	0	0	0	0	0	0
GAL3ST4	350	195	384	325	197	243
DYNC1H1	33443	18501	41252	36635	23832	25935
SLC6A17	0	0	0	0	0	2
IFNL3	0	0	0	0	0	0
PCBP2	15765	11981	24276	18301	12700	12865
ZGPAT	760	477	949	744	432	594
SLC25A29	738	627	1592	2045	1435	925
PGAP1	1267	544	901	589	741	1349
SRC	1734	1188	2657	1519	2188	1214
ZNF679	0	0	0	0	0	0
ZNF682	490	204	524	286	286	268
OR8B8	0	0	0	0	0	0
ZNF772	694	524	390	627	259	417
ZNF257	151	152	387	67	189	114
PCNX3	5061	3226	7282	5933	3633	3620
ADAM32	31	28	72	34	75	29
ACSL5	4438	1984	4170	4709	2273	3323
LRRC8B	2937	1714	3148	2859	3368	2330
ABCB8	1540	789	2069	1523	1021	1176
HIST1H3J	44	14	45	25	35	10
SND1	8234	4439	9546	9207	5929	6473
ZNF785	910	203	909	705	345	702
SULT1A2	13	33	15	15	11	5
NEK5	10	8	4	2	3	4
PSMD12	3159	1880	3903	3445	2324	2783
MAGEA6	0	0	0	0	0	0
ADGRA1	0	0	0	0	0	0
PIWIL2	63	35	84	84	43	81
NOL4L	5192	3401	6646	6001	3066	3764
CYSRT1	9	6	6	2	10	2
SLC22A4	237	449	630	379	203	187
ZSCAN5B	0	2	0	2	0	0
ENTPD4	8290	5294	10410	8670	5830	6852
C1D	837	542	963	858	616	480
TBC1D9B	5118	2396	6484	5447	3500	3949
OR1J2	0	0	0	5	5	3
HIST1H4J	433	216	472	532	212	274

SLC2A7	3	0	0	0	0	0
FAM110D	0	0	0	0	0	0
SERPINA1	8209	7248	9917	7546	5891	5594
TPSB2	15	0	0	0	5	0
KANK2	41	19	90	96	36	51
C6orf141	0	0	0	0	0	0
GTF2E2	1142	629	1438	1250	896	840
IL27	12	10	18	19	14	19
GUCA2A	0	0	0	0	0	1
RAD54B	211	199	183	315	208	133
ZNF165	54	32	44	14	39	33
SYNGAP1	1784	1250	2062	1787	1022	1740
FITM2	964	472	1047	895	488	753
BLM	913	434	1040	925	538	702
ZNF720	1589	639	1523	1318	662	1136
OR10D3	0	0	0	0	0	0
DDI2	7527	4075	9167	7569	5218	6113
SVIL	3961	3976	5199	3715	2862	3058
TRIM33	10167	5930	11350	10105	6031	7626
LRP10	4752	5355	8199	4697	3236	3898
PELI1	5908	7598	8163	5441	3838	2823
ZNF655	9633	5691	8240	9560	6534	9148
MRPL21	332	254	482	330	211	261
LYPD2	7	0	6	26	4	0
UAP1L1	1559	803	2073	1431	1123	1023
ZNF98	9	0	0	6	0	0
FBXL22	21	17	13	10	34	23
ZNF786	462	250	508	501	155	493
ZNF517	209	143	230	207	140	177
S100A7L2	0	0	0	0	0	0
ZNF675	1465	657	1464	1088	806	956
SLC22A5	988	557	1091	1106	765	1103
DACT3	2	12	45	22	22	2
ADARB1	1978	853	1780	1459	930	1496
ZNF860	479	150	280	52	250	29
HTT	14044	7543	18419	15290	11116	9846
OR6N1	19	8	9	46	11	15
C5AR1	2695	5084	6833	4895	823	2334
DIO3	0	0	0	0	0	0
CYP2B6	0	0	0	0	0	0
HIST1H3D	881	757	1729	1276	804	923
DCHS2	11	28	3	13	6	0
VEPH1	231	191	376	221	683	210
FABP12	0	0	0	0	0	0
SHPK	777	393	910	691	441	498
OR51D1	0	0	0	0	0	3
IPP	1082	489	1185	1153	485	836
OPALIN	0	0	0	0	0	0
OR13G1	0	0	0	0	0	0
MAP3K5	7338	5131	10521	8874	5884	6145
OGDHL	3	4	0	0	0	0
CYP2F1	2	0	4	2	0	0
GSTK1	6404	3381	6558	5549	3563	4936
HNRNPAB	1863	1044	2771	2332	1205	1367
OR2L5	12	22	7	86	17	62
STMN3	1547	634	1644	1070	924	1143
PDGFA	317	293	471	219	569	238
GYPE	51	6	32	26	21	18

COL13A1	116	56	109	146	39	13
SPN	16886	7023	24267	22495	11568	13479
ZNF695	9	18	9	7	0	9
PCDHB11	3	0	0	0	0	5
ZNF628	72	349	120	468	106	269
GALP	0	0	0	0	0	0
SLC2A10	4	6	12	38	7	2
ZNF665	253	109	47	203	52	178
RPF2	631	341	838	665	339	570
SLC28A3	94	45	66	61	56	104
FAM177B	92	90	146	63	39	22
MIB2	1196	688	1851	1211	722	983
OR6Y1	0	0	0	0	0	0
MYO5A	9289	6287	13150	10135	4958	7806
GZMM	1163	569	1489	1293	537	742
ATG7	4576	2747	6040	4772	2891	3452
SIPA1L1	4229	3428	5324	3978	2908	2990
TTC30A	188	64	166	219	139	78
SSPO	446	204	589	467	377	266
ELANE	61	41	193	22	68	64
RAB40C	821	545	686	427	583	607
PIGN	3033	1658	2898	2866	2040	2377
COL4A6	0	0	0	0	0	0
ZNF624	835	350	983	850	348	736
HHLA3	44	39	49	26	30	27
HOXA4	0	3	3	6	3	11
TOPORS	1803	1860	2655	1914	1134	1241
BCO2	110	124	224	147	208	165
KCNMB2	0	0	0	0	0	0
ENTPD6	2434	1262	3023	2512	1751	1906
DMBX1	0	0	0	0	0	0
OR11L1	0	0	0	0	0	0
ENPP1	35	27	79	68	69	33
CCDC154	215	94	145	145	120	126
FAR1	9464	5253	12147	8819	6222	7662
CPLANE1	4348	1841	4630	3638	2276	2805
ZNF841	2451	1312	2483	936	1255	1633
MFAP5	0	0	0	11	0	0
MYH6	0	0	0	0	0	0
ZNF615	470	371	1118	585	406	344
CXorf40A	385	335	649	448	305	357
CDC42SE1	27512	21407	35769	29818	16249	20105
MPEG1	34616	17360	44830	32021	29816	23342
SERPINB2	45	82	116	92	95	78
DPP4	1849	1128	1575	2006	908	2022
SERPINB13	0	0	0	0	0	0
PDCD1LG2	56	22	45	24	15	20
ZNF433	59	26	107	72	42	31
CCER1	0	0	0	0	0	0
DNAH10	87	28	182	75	101	84
SLC22A24	0	0	0	0	0	0
OR51C1P	0	0	0	0	0	0
KRTAP26-	0	0	0	0	0	0
SPTAN1	15091	8328	19259	15842	9219	12448
NMB	50	6	36	46	21	20
PARVA	33	16	46	29	17	62
KLHL14	501	268	620	220	289	208
OR6C74	0	0	0	0	0	0

FAM114A1	187	74	153	104	107	71
RPE	4104	1056	4162	3254	2460	3175
ZNF460	5513	3475	6971	5647	3894	3990
CR1L	26	18	32	21	25	7
PHF2	3395	2313	4544	3693	2542	2559
RPS26	6533	2557	1902	7002	986	5083
C14orf178	0	0	1	4	0	1
SCGB1D4	0	0	0	0	0	0
PSAP	99439	44338	101251	95330	79724	60494
S100A10	3933	2410	5551	4440	2724	3520
CFAP43	2	1	5	0	0	6
LHFPL5	0	0	2	0	0	0
RPL37A	5780	3266	6054	5840	2903	3416
HOXC6	0	0	5	0	0	0
TXNRD3	191	60	110	127	57	79
CFD	1143	564	1736	961	955	850
STPG3	3	2	2	4	0	0
MAP1LC3C	2	0	0	0	0	0
MCMBP	5353	2708	5627	5207	3460	4437
EME2	2713	1047	1823	2246	1314	1653
KLHDC1	670	394	821	568	510	534
ZNF81	2574	1227	3178	2497	1503	1840
TAF13	542	714	1002	887	493	472
ZNF780A	3356	1576	2885	2950	2445	2487
ATAD3A	376	206	508	365	193	278
OR5B17	0	0	0	0	0	0
OR52M1	0	0	0	0	0	2
FAM118B	849	395	734	682	499	621
ZNF461	325	348	337	378	370	250
CCDC180	949	350	1371	1493	609	881
SLC9A8	2670	2087	4139	2836	1968	1941
OCLN	152	30	84	178	55	98
CFAP299	2	0	3	2	0	5
HIST4H4	666	334	890	746	487	666
CYP2A13	0	0	0	0	0	0
ZNF181	1122	264	604	725	306	826
OR8G1	2	0	0	2	0	0
INKA2	1032	1505	2340	1192	931	589
ZNF44	2123	1734	2855	2012	1588	1555
GPAA1	1017	675	1648	1300	917	851
ADAMTSL2	26	8	0	6	0	4
SGTB	3604	2242	3849	3403	2144	3016
ZNF790	451	172	354	305	224	338
PRB3	0	0	3	0	0	0
FAM49A	6989	1888	3090	7274	2286	4557
MYO1C	894	679	1026	786	1002	637
NKIRAS1	163	104	193	184	96	146
OR1S2	0	0	0	0	0	0
UGT2B17	33	0	29	0	0	0
MEIG1	4	6	0	5	0	1
SLC22A12	0	0	0	0	0	0
KIF13B	5794	3080	7364	6862	3758	4045
NRAP	0	0	0	0	0	0
ADH5	2198	1057	2466	2327	1492	1800
SLC22A6	0	0	0	0	0	0
HIST1H2BH	552	505	881	662	549	531
TEAD4	0	0	0	0	0	0
SPG7	7354	3629	7509	6836	4726	4794

HRNR	0	5	0	8	8	0
IFNA1	0	0	0	0	0	0
HES5	0	0	0	0	0	0
ZNF677	654	158	773	640	377	404
ERO1A	7173	3195	7539	5036	3795	5529
ZNF823	197	119	284	181	122	164
ZNF311	35	8	12	13	8	15
ZNF347	1691	595	1003	626	635	520
OR5H2	0	0	0	0	0	0
PLCG2	10314	7208	14373	10739	7289	6443
FCHSD1	2313	1418	4136	2671	1871	2315
ZNF71	610	289	521	710	384	434
AADACL2	0	0	0	0	0	0
S100A6	5519	3734	5243	4127	4130	3662
RPL12	10375	6153	8946	7577	5428	7256
DNM3	1039	879	1785	908	2473	625
ZNF121	6146	2868	6415	5641	3203	4140
MPZL1	426	572	789	381	417	293
VPS13A	13273	7224	15768	14458	8562	9969
MBP	16785	10692	21829	17290	9116	8275
AKAP17A	3855	2837	5309	4475	2881	2765
ELOVL2	2	0	0	0	0	0
GOLGA6L9	568	344	503	472	277	468
LEKR1	92	22	42	56	45	57
C1orf122	124	97	201	157	116	123
AL592490.	0	0	0	0	0	2
CLEC9A	44	50	26	55	19	25
KEL	12	4	20	14	7	9
NOL8	3160	1542	3225	2407	1707	2457
IRAK4	3456	1537	3377	4001	1704	1920
CCDC151	8	0	4	0	2	0
DLGAP2	2	2	4	0	4	0
MRPL42	4704	322	4210	3972	2635	620
ENTPD7	805	390	1002	903	518	642
FCGR1B	285	281	312	139	120	213
SPANXA1	0	0	0	0	0	0
ZNF335	3427	2424	5181	3857	2739	2342
ZNF560	0	4	0	0	0	0
TUBA3C	0	0	0	0	0	0
RPS4X	27991	21474	31510	28240	18750	32793
ZNF273	606	305	670	556	402	369
ZNF84	992	411	802	1572	737	728
MAK16	1521	762	1681	1459	859	1123
ZNF667	120	65	54	151	114	91
AVPR1B	0	0	4	0	0	0
SIRPA	4635	3941	6927	4069	3543	3493
GRK6	8324	5051	10881	8126	6311	6281
PRIM1	573	265	540	558	238	494
5-Mar	1760	1175	2300	1803	1151	1466
POTEH	7	0	0	0	0	0
NPIPB13	207	205	1015	915	160	185
AKR1B10	0	0	0	0	0	0
SULT1C4	0	7	8	8	20	10
CYP2A7	3	0	0	0	0	4
ZBTB14	1574	596	1261	1202	713	1154
KRTAP9-9	0	0	0	0	0	0
CD2AP	3450	1608	3808	3463	2431	2673
NUP62CL	54	18	32	16	19	57

SFI1	8611	4350	9333	7639	4702	5599
KRTAP4-6	0	0	0	2	0	0
TMPRSS11	0	0	0	0	0	0
ZNF649	649	352	748	628	333	573
ADH4	2	0	0	0	0	0
OR2T6	0	0	0	0	0	0
ZNF248	599	563	1211	933	671	993
CHSY3	4	2	101	34	10	21
TOR4A	1193	787	1807	1229	909	971
LPAR1	656	208	88	502	177	394
MB	0	0	0	0	0	0
OR2L3	4	27	0	43	2	33
DEFB107B	0	0	0	0	0	0
HIBCH	1706	751	1939	1612	1104	1344
ZNF544	1306	1021	1404	2464	716	917
TMEM229I	2229	328	2863	2912	1303	1567
SOWAHC	142	125	195	137	90	138
ZNF770	6630	3314	7575	6569	3872	5571
NPIPB6	217	14	356	257	140	157
HMGN5	48	22	38	34	19	11
MIER1	5518	2578	4920	3753	2436	2602
MAN1A2	7014	3979	8693	8045	4800	5986
SVIP	1566	863	1625	1264	1324	1297
ZNF251	1119	220	542	455	275	705
DDRGK1	871	490	964	767	571	687
FAM47C	0	0	0	0	0	0
TFDP1	1738	905	1891	1282	1156	1156
CLEC4C	76	163	245	274	363	150
ZNF607	265	214	324	433	262	361
BPIFA1	0	0	0	0	0	0
ZNF334	37	10	31	35	23	23
HSD17B11	4362	3813	6034	4595	3810	3929
SZT2	11289	6406	14184	11294	7412	8181
SULT1C2	0	0	0	0	0	0
ZXDA	620	492	938	715	449	515
RPS6KL1	53	48	112	97	50	57
AC092143	0	0	24	0	0	6
CACNA1E	38	234	181	12	12	8
QRICH1	3288	1959	4313	3130	2256	2311
CSF2RA	2046	1456	2555	1916	1475	1480
FKBP1C	67	64	106	96	134	46
DDX42	4788	2626	4946	4278	2640	3409
RPL23A	10123	6021	10261	8041	4886	7783
SLC29A3	432	233	560	439	367	347
STYX	4928	2199	5012	4323	2550	3679
UBL5	681	643	1210	908	494	604
HELZ	17877	9900	18720	17420	11434	13858
TMEM116	1456	796	1743	1513	959	1481
KRTAP4-5	0	0	0	0	0	0
UCKL1	909	550	1032	968	685	725
OR5B21	36	5	40	23	7	21
CARD11	4700	2473	6266	5973	2989	3610
ZNF485	323	119	261	283	132	232
PEG3	2	4	8	18	26	0
SDAD1	2418	1057	2757	2504	1308	1834
ZKSCAN8	4696	2219	4956	4073	2114	1915
PHETA1	533	236	571	427	332	277
TMEM239	0	0	0	0	0	0

HYLS1	154	97	271	206	89	186
MYL4	0	52	0	72	173	2
ZNF442	148	68	215	140	92	90
ZNF813	1096	345	372	942	438	643
HOXC4	23	27	56	46	21	26
DCAF12L2	0	0	0	0	0	0
PIM3	1259	2836	4611	1739	1254	1075
ASNA1	691	377	1048	744	497	542
ASPH	2495	1145	3095	2196	1625	1909
SPRED2	172	108	241	141	192	166
WWP2	3791	2706	4546	3478	2643	2457
GFPT1	4128	2098	4596	4311	2860	2999
UVRAG	3944	2389	5378	4273	3343	3092
KRTAP13-	0	0	0	0	0	0
ZNF26	4090	2679	4293	4440	3164	3207
TMEM207	0	0	0	0	0	0
ITSN2	15173	9015	17921	14794	10115	10894
NTRK1	45	32	95	97	33	39
OGA	22070	13740	27770	20994	13672	16528
MT1F	57	39	71	47	31	56
TCAF1	1069	567	1184	1128	530	621
ZNF69	518	252	350	514	194	195
TXNRD1	1988	1571	3034	2119	1613	1464
NRARP	11	12	12	13	11	10
ZNF583	613	92	307	355	187	348
KRTAP4-1	0	0	0	0	0	0
CCT8L2	0	0	0	0	0	0
ZNF568	861	404	986	856	487	743
ZXDB	1235	832	1793	1482	861	1057
ZNF480	1443	585	1256	986	582	841
ZNF587	4815	1654	5554	4217	1914	2545
TPM2	243	143	254	157	122	140
RTP2	0	0	0	0	0	0
SH3BGRL2	5556	5494	8227	4472	16589	5495
ZNF808	1338	755	1802	1522	2850	1225
ANKRD35	12	3	13	3	6	3
B3GNT6	0	0	0	0	8	0
YTHDF2	1559	1022	3161	2266	1294	1353
TMA16	403	160	364	327	226	491
HLA-DRB5	8352	437	7341	1305	11223	4844
ATL1	205	129	415	223	274	172
CNGA1	0	0	2	2	0	0
MAFK	2257	1992	3713	2282	2042	1540
ARMH1	596	414	802	508	367	432
ZNF43	1893	1039	2232	1920	1425	1218
GPN1	1100	599	1418	1395	734	907
PLN	6	3	16	0	0	3
C2CD4A	3	0	0	0	0	0
ZNF28	1670	793	1913	1716	791	1299
ITGBL1	0	0	0	0	0	0
ZNF511	417	245	697	509	376	327
C20orf203	36	18	39	37	56	35
ZNF627	794	346	725	663	345	586
KCNRG	51	12	13	12	31	3
WDHD1	514	195	466	507	237	289
ZNF789	589	404	927	696	498	701
CTNND1	2866	1770	4604	3959	2303	2894
DDX39B	9773	7073	14308	11208	7765	8201

SLC34A3	18	0	6	4	5	2
RD3	0	0	0	0	0	0
SPANXC	0	0	0	0	0	0
SH2D1B	1947	1191	3296	4140	1719	1745
ARC	11	3	8	6	6	8
NUDT16	1847	215	571	1700	1135	1459
TLK1	7120	6299	7948	6320	7552	5750
LRBA	22930	12555	27770	25141	18590	18225
ZNF536	2	0	0	0	0	0
MMP17	411	137	213	251	239	160
OR2M2	0	0	0	0	0	0
BAZ1A	8418	5485	8890	7263	4908	5164
AKR1C4	0	0	0	6	0	0
COPS8	1753	1183	2349	1636	913	1421
CCDC69	4724	2656	6190	4788	4105	4001
MDM4	6124	3342	6967	13955	10250	4167
RYR2	18	6	53	27	28	9
ZNF534	17	11	11	8	4	6
KLHL9	3616	1727	4024	4068	1959	2938
FAM3D	0	2	4	8	4	0
NCOA6	4024	2568	5353	3946	2484	2775
STK39	3263	1395	3751	3493	2060	2342
TAT	0	0	0	0	0	0
C6orf89	2072	1061	3353	2599	1831	2725
CALM1	23175	14081	10714	30868	19036	19513
LPA	0	0	0	0	0	0
FAM19A2	369	315	319	299	268	306
OR10G6	0	0	0	0	0	0
TTC37	7586	4022	8800	8351	5008	5940
OR5BS1P	0	0	0	0	0	0
TUSC1	6	12	23	34	9	8
MAGEA1	0	0	0	0	0	0
PAPSS2	394	269	410	416	774	344
SLC9A6	1122	609	1447	1490	1343	975
FAN1	1364	722	1570	1391	820	973
ABCA4	0	0	0	0	0	0
EIF1AY	1375	0	1326	919	786	0
MT-ND6	2645	1812	3880	2696	5072	2439
IPO9	6263	2923	6586	6126	3728	4805
GPX6	0	0	0	0	0	0
CEP290	2214	1241	2407	2030	1165	1890
MT-CO2	17777	14125	21054	20482	15458	24054
GLMP	586	269	449	305	217	331
TOGARAM	1930	1249	1997	1715	1289	1551
DLL1	121	49	136	118	74	75
ANKRD13B	34	35	73	59	25	16
ECI2	1092	438	1200	1034	533	758
UNC13B	252	95	177	215	114	130
TEX45	2	4	6	14	8	5
MT-CYB	23944	18677	31508	31467	21629	26993
LDB1	2666	1737	3405	2748	1717	2014
PPP1R14C	10	23	35	14	21	18
CTR9	4346	2273	4893	4200	2670	3130
SMOC1	0	2	9	24	20	3
F5	1786	1418	3270	1405	1289	1742
MSRB1	1401	2153	3065	1388	975	1098
LRRTM3	0	0	0	0	0	0
ZNF652	7398	5672	11675	11134	6611	7001

SMURF1	2565	1789	3349	2836	1839	1836
SLC5A3	12598	5225	14036	11766	6399	9048
GPATCH3	547	448	1010	752	535	476
CDC42BPB	2095	1035	2049	1571	2040	1116
PLXNB3	100	130	107	108	304	80
OXCT2	22	2	34	17	16	14
RPL10A	14435	7723	15324	11911	9891	12585
COLGALT2	282	424	1115	986	192	323
EPS8L3	0	1	0	0	0	4
EGFL6	0	0	0	2	0	0
MT-ND2	19198	20592	31030	24428	34671	24804
SYCP1	0	0	0	0	0	0
APCDD1L	16	0	0	0	9	3
RCSD1	11768	6798	13658	11512	6613	9069
RASSF9	0	0	0	0	0	0
FAM169A	1850	521	1686	1574	685	1133
ZNF830	959	703	1295	1103	510	717
GRIN3A	50	4	41	50	34	35
MT-ND5	24599	16448	25980	24429	20272	24678
MUC2	0	0	0	0	0	0
CNOT7	6126	3433	7417	7144	4647	5170
TMEM184B	944	1312	1272	1345	1043	632
MTOR	7689	3875	9422	8207	4986	5516
SCAMP5	76	37	47	56	86	27
ZNF521	16	14	55	29	22	22
ALPK2	8	26	52	28	47	72
BRINP2	0	0	0	0	0	0
MAGEB3	0	0	0	0	0	0
LRIG2	5422	2592	5206	4290	2825	3698
MT-CO1	144473	80494	162044	145363	116764	122218
PNP	2047	1217	2228	2185	1391	1915
PAX9	5	3	31	3	4	9
LRRC10	0	0	0	0	0	0
GK	1447	2074	2326	958	990	901
FOXJ3	7266	4150	8695	7402	4781	5231
ZNF358	108	99	181	141	79	77
SFT2D1	1385	641	1510	1407	839	896
CD247	6464	3533	10682	9011	4550	4354
GRM3	3	0	0	0	0	0
CHAMP1	1480	483	1752	872	821	731
INPP5F	1569	816	1793	1631	1026	1170
ARHGAP11	169	69	280	141	227	168
SUCNR1	140	72	215	123	474	128
HMGN2	5804	3963	9507	7575	3976	5493
SELENOM	63	118	172	107	93	68
UBE2J1	6571	5021	8388	5453	5188	4401
GJC2	42	42	44	49	31	22
OPA1	5864	3326	7715	6172	3896	4923
DENND4B	10738	5480	13064	10491	6425	7360
RYR3	48	42	80	97	30	56
ZNF277	1508	856	1987	1520	1109	1176
MT-ND3	1690	2658	3756	2742	3996	3713
KTI12	473	360	860	658	353	415
DUSP27	0	0	2	0	0	0
SELENOT	2113	1655	3360	3714	1539	2097
ARHGEF15	2	0	0	0	0	0
TOX	883	559	1328	1163	577	689
CES1	384	386	271	787	179	104

CD3E	6790	3884	9266	7340	3543	5086
RUSC2	850	355	837	477	390	598
C1orf68	0	0	0	0	0	0
FICD	352	191	354	361	160	221
OSTC	2111	870	2206	2143	1533	1665
R3HDM4	3815	4273	6182	3470	3120	2896
TSEN15	1545	706	2191	1452	725	1270
LTN1	7384	3747	7993	7517	4610	5417
RUNDC1	1367	812	1560	1423	822	1033
CCDC152	446	135	568	423	124	268
STKLD1	19	4	25	20	7	19
GRK5	2066	1370	2596	1637	2115	1245
TYW1	1396	785	1820	1586	997	1196
DCAF12	3660	2074	4353	3468	2510	3651
SFMBT2	5461	2948	5461	5770	3404	3177
ASB12	9	3	0	16	7	2
PNMA5	0	15	13	15	0	0
ITPRIPL1	432	272	693	850	332	565
MT-ND4	35657	27076	39328	39280	35652	37931
SMC5	5293	2593	5256	5181	3219	4141
MT-ND1	26645	25771	44369	29980	49810	33777
DCAF12L1	0	0	0	0	0	0
PRMT6	686	357	731	861	395	603
SHISA4	19	15	23	23	16	8
CIPC	877	279	1185	179	116	779
CAPZA2	7244	5510	8440	7697	6208	5653
MT-ATP6	4215	3940	24831	25571	27429	5019
TOP1	3717	2493	4353	3537	2593	2557
PRC1	49	78	178	144	128	68
BHLHB9	147	18	287	205	8	14
MAP3K3	7240	4930	10128	6645	5004	5143
L1CAM	49	64	55	40	40	25
SREBF2	5256	2966	6776	5033	4535	4412
C1orf174	1073	640	1409	1561	654	721
POU3F3	0	0	2	0	0	1
RASGEF1A	555	314	655	1023	293	304
SPOUT1	1190	756	1743	1581	751	1079
RPL39	21722	10542	20080	15969	10421	14598
DZIP3	1401	701	1473	1310	842	1089
KIAA0753	1158	635	1103	1010	512	994
DCLRE1A	813	289	1297	887	504	527
ATG9A	1810	2737	1343	2081	1436	1380
NOS1AP	8	18	3	24	6	26
CSAG1	0	0	0	0	0	0
APRT	1222	691	1591	1128	791	1111
GPRASP1	258	288	328	312	153	241
TBKBP1	887	477	1145	842	381	416
MAGEE1	428	229	588	459	174	347
CCDC167	104	81	147	142	100	78
MT-CO3	23121	17781	27678	25189	21844	26788
ZFP2	71	4	52	61	32	36
SOWAHA	0	0	0	0	0	0
L3MBTL3	2374	1224	2826	2127	1320	2315
DMD	46	45	84	85	80	40
MFAP3L	2934	2691	4659	3315	7917	2188
NAGA	3089	1867	3627	2891	2318	2999
SMG5	5548	3354	7740	5634	3527	3830
KIF1BP	510	310	481	563	221	466

TGM2	226	35	133	63	57	62
ARMCX6	320	244	382	365	258	309
PJA2	13465	8864	16410	12444	8423	10087
RORB	16	34	233	49	20	77
SGMS1	2316	1375	3189	2281	1814	1888
OR10R2	0	0	0	0	0	0
OR10Z1	0	0	0	0	0	0
ZNF525	1476	732	1544	1740	917	991
INF2	2991	1971	4248	2625	3366	2565
IQANK1	11	2	14	11	3	4
AL139353.	24	57	28	26	26	61
GP1BB	742	747	1308	574	1611	431
OR2T5	13	2	4	6	4	3
OR2L2	3	14	8	45	17	32
EFCAB2	260	193	172	158	82	266
COX20	847	542	984	724	769	997
CHML	2487	1445	3806	2490	1696	1845
STUM	3	0	4	6	6	0
TCP10	0	0	0	0	2	0
CAPN8	11	2	49	9	3	6
TATDN3	510	233	757	501	320	394
CR1	7336	6113	10417	6268	4304	4247
RAET1G	0	0	0	0	0	0
C1orf53	0	0	18	0	3	0
SAMD5	0	0	0	0	0	0
TEDDM1	0	0	0	4	4	0
GJE1	0	0	0	0	0	0
ECT2L	10	2	14	7	2	6
GPR52	653	516	1149	932	576	606
METTL11B	0	0	0	0	0	0
FCGR3A	8847	5904	9019	7989	3582	5747
TMEM244	12	10	20	15	15	9
OR6K3	3	8	3	3	11	9
CENPW	66	20	56	38	41	29
SPRN	36	8	41	25	34	30
FAM229B	68	28	78	62	23	22
FANK1	14	9	16	30	32	21
LOR	0	0	0	2	0	0
PRR9	0	0	0	0	0	0
LELP1	0	0	0	0	0	0
SPRR2E	0	0	0	0	0	0
KPRP	0	0	0	0	0	2
EEF1AKMT	1111	491	1303	1040	587	811
FAM24A	0	0	0	0	0	0
DDO	63	49	102	122	45	41
PLPP4	0	0	0	0	0	0
HIST2H3C	94	67	120	43	39	37
HIST2H2A	1582	1419	2521	1774	1424	1272
HIST2H2BF	566	499	769	310	274	314
HIST2H3PS	12	2	11	13	7	12
PNLIPRP3	0	0	0	0	0	0
HIST2H3A	88	64	138	42	39	38
HSD3B1	0	0	0	0	0	0
HSD3B2	0	0	0	0	0	0
RBM20	57	20	41	30	30	11
SMIM9	0	0	0	0	6	0
C6orf163	485	169	361	369	236	421
RIPPLY2	0	0	0	0	0	0

GDI1	3244	2417	4215	3048	2616	2433
PCMTD2	5892	3001	6092	5014	3435	4212
SOX18	2	0	0	0	0	0
LIME1	369	392	608	755	228	599
OOEP	3	6	6	5	2	0
KHDC3L	0	0	0	0	0	0
DPPA5	0	0	0	0	0	0
C1orf146	0	0	0	2	0	1
SPANXN1	0	0	0	0	0	0
SPANXA2	0	0	0	0	0	0
CXorf66	0	0	0	0	0	0
C10orf62	0	0	0	0	0	2
SAMD13	8	10	16	13	11	9
RTL8A	103	147	167	142	138	112
CCDC160	0	0	0	0	0	0
C1orf141	0	0	0	0	0	0
EFCAB7	518	229	524	391	227	369
DEFB110	0	0	0	0	0	0
GLYATL3	0	0	0	3	0	0
LDLRAD1	1	0	0	0	4	0
RHOXF2B	0	0	0	0	0	0
ZYG11A	32	18	23	2	28	19
LCN8	78	64	5	4	9	36
AL355987.	0	0	0	0	0	54
C1orf185	0	0	2	0	2	0
GLT6D1	0	0	0	0	0	0
IFIT1B	22	16	29	13	13	76
CT83	0	0	0	0	0	0
LIPN	276	151	224	195	183	166
LIPK	0	0	0	0	0	0
LIPJ	10	8	3	8	6	13
TRPC5OS	0	3	0	0	0	0
LRIT2	0	0	0	0	0	0
LRRC73	10	6	20	8	7	0
FOXO6	9	4	8	4	0	2
TCEAL5	0	0	0	0	0	0
SYS1	1776	2019	3699	3181	1910	1688
TCEAL6	0	0	0	0	0	0
INPP5B	3276	1962	3537	4181	2585	2798
RPA4	115	59	130	157	97	106
NEU4	7	9	14	6	12	4
MAFB	3181	2176	5771	3765	2347	1938
TRAF3IP1	397	172	501	353	118	243
CHIC1	2528	1144	2289	2319	1179	1803
GIGYF2	6150	2995	8104	5645	4300	4684
C2orf72	0	0	0	0	0	0
RUFY2	1324	763	1391	1307	869	1126
NHSL2	2292	2155	3313	2030	1453	1813
PHACTR4	1311	1266	1316	1844	1139	787
CLPSL1	0	0	0	0	0	0
ASAH2B	256	99	235	244	85	206
AGAP6	1789	703	1767	1562	1095	1286
TIMM23B	987	563	1710	877	910	788
ZDHHC18	1999	4191	7092	2520	1554	2107
TMEM273	592	618	1127	846	775	861
CXorf65	111	115	96	141	86	66
AGAP9	618	147	388	574	469	155
NPY4R	0	0	0	0	0	0

GPRIN2	0	0	0	2	0	0
SYT15	6	16	64	22	21	23
MACO1	1972	1167	2128	1954	1180	1448
PTPN20	25	33	86	27	70	61
ZDBF2	1426	237	328	772	458	396
TXNDC8	0	0	0	0	0	0
AWAT1	0	0	0	0	0	0
DAXX	1262	904	2088	1982	1025	1308
BMPR2	4981	2415	5280	5401	2996	3802
TCEA3	162	108	152	117	102	154
PFDN6	167	83	223	142	133	136
RING1	778	368	914	774	453	564
HSD17B8	170	60	150	106	99	127
RXRB	2573	1782	3553	2636	1708	1741
OXLD1	359	165	427	410	252	276
OR13C3	0	0	1	5	0	4
COL11A2	45	34	42	76	36	35
HLA-DOA	2136	983	1853	1588	1699	1062
BRD2	8680	6499	12281	10820	5183	6739
HLA-DMA	2725	1828	3289	2365	2562	1652
COL5A2	66	19	40	42	14	34
PSMB8	3974	2055	4527	3029	1968	2355
TAP2	7283	4926	11131	8278	5618	5388
SPIN3	1159	466	465	1116	503	1010
NBDY	441	215	415	366	267	255
TMEM235	0	0	0	0	0	0
PAGE3	0	0	0	0	0	0
HLA-DRA	36939	16213	50988	40083	31651	26652
BTNL2	0	0	0	2	0	0
COL15A1	16	5	18	27	3	15
C6orf10	0	0	0	0	0	0
TMEM225	0	0	0	0	0	0
NOTCH4	105	119	120	194	142	101
PBX2	6434	5139	8179	5419	4123	4680
AGER	906	624	814	739	447	719
RNF5	881	499	1223	975	700	672
AGPAT1	1235	1060	1935	1418	2067	1127
PJVK	97	66	83	64	53	67
PRRT1	38	2	15	21	6	14
FKBPL	57	47	64	31	13	50
MRPL38	785	469	1060	857	563	733
SMIM5	101	129	397	326	216	164
ERICH2	0	0	0	0	0	0
SP5	0	0	0	0	0	0
STK19	289	256	546	354	281	305
CD300LD	32	8	29	34	20	11
BTBD17	3	0	10	4	7	0
DXO	242	211	419	270	176	208
SKIV2L	2663	1952	4018	3210	1832	2089
C9orf129	33	15	0	0	41	26
NELFE	758	589	910	757	536	503
NXPE2	2	0	0	5	1	0
SPANXN5	0	0	0	0	0	0
ZBTB12	47	8	47	35	26	59
SDHD	2949	1587	3485	2982	2037	2063
EHMT2	2464	1294	2765	2528	1468	2037
XAGE1A	0	0	0	0	0	0
LAYN	23	4	28	14	23	16

XAGE1B	0	0	0	0	0	0
SLC44A4	0	0	3	0	3	0
NEU1	1029	987	1704	981	872	492
C6orf48	2179	1323	2579	1897	1471	1239
HSPA1B	1549	752	3099	1199	877	1070
HSPA1A	2086	1049	3994	1896	1293	1597
HSPA1L	286	88	385	295	222	256
LSM2	364	169	388	335	210	241
VARS	2000	1094	2549	2121	1399	1509
VWA7	42	48	62	72	19	50
CARD16	871	609	1219	873	699	599
MBD5	6426	3013	6807	5870	3511	4432
MSH5	944	480	848	734	498	830
CSHL1	0	0	0	0	1	0
MPIG6B	782	804	1006	753	2417	559
LY6G6C	5	8	2	0	6	0
AL662899.	0	0	8	0	0	0
LY6G6F	223	262	424	213	780	180
ABHD16A	1221	973	1946	1479	1180	1001
LY6G5C	56	76	132	99	69	90
CSNK2B	1742	900	2248	1754	1333	1502
GPANK1	671	336	688	579	243	484
C6orf47	1064	627	1425	1235	647	913
FAM155A	0	0	0	0	0	0
APOM	58	40	98	33	38	36
TRIM49C	0	0	0	0	0	0
TRIM64	0	3	5	10	2	4
BAG6	6001	3843	8221	5667	4170	4181
PRRC2A	7684	5699	11217	7723	5053	5641
AIF1	2239	1315	1923	1723	1368	1580
NCR3	473	304	679	736	356	410
PRAMEF20	0	0	0	0	0	0
PRAMEF17	0	0	0	0	0	0
PRAMEF19	0	0	0	0	0	0
PRAMEF14	0	0	0	0	0	0
LST1	1488	1087	1196	1171	790	1203
NFKBIL1	252	154	256	212	118	176
PRAMEF15	0	0	0	0	0	0
PRAMEF9	0	0	0	0	0	0
PRAMEF7	0	0	0	0	0	0
MCCD1	6	0	0	4	0	0
ZNF814	1997	1109	1529	1751	1393	1199
MICB	1059	573	1529	1130	744	569
AADACL4	0	0	0	0	0	0
ZNF551	103	344	179	237	1178	1091
MICA	563	285	926	435	496	706
ZNF805	921	637	1258	1048	777	716
HLA-C	10979	26049	37280	40376	19410	14613
POU5F1	11	1	26	6	0	0
ZSCAN5C	0	0	0	0	0	0
CCHCR1	364	245	481	349	204	215
PSORS1C2	0	0	0	0	0	0
CDSN	0	0	0	0	0	0
PSORS1C1	0	0	5	0	0	0
C6orf15	0	0	0	0	0	0
MUC21	0	0	0	0	0	0
DEFB121	0	0	0	0	0	0
DHX16	2253	1230	2486	2023	1253	1529

C6orf136	273	156	383	240	174	271
MRPS18B	1313	682	1572	1374	855	990
PPP1R10	3682	2302	3748	3158	1687	2620
KRTAP5-1	0	0	0	0	0	0
KRTAP5-1	3	5	0	0	2	1
ABCF1	1632	1237	2314	1678	1005	1116
PRR3	631	319	565	477	352	456
LILRB3	2069	1493	1926	780	937	611
DDR1	421	234	302	395	161	220
LRCOL1	0	0	0	0	5	0
GNL1	1841	2100	3360	2309	1817	1560
HLA-E	67009	54104	100998	71253	60502	50315
DPRX	0	0	0	0	0	0
TRIM39	1051	1065	1796	1324	870	996
ZNF468	2099	1209	3475	2185	1525	1646
TRIM15	0	0	2	0	0	0
ZNF616	777	385	815	747	292	614
FOXB2	0	0	0	0	0	0
TRIM10	14	28	39	31	26	25
TRIM40	32	40	124	59	107	32
TRIM31	6	0	0	0	2	0
RNF39	7	0	10	0	4	0
PPP1R11	1906	1463	2770	2011	1259	1505
DISP3	20	29	15	32	28	62
RACK1	8232	4699	8951	7980	5726	5988
HLA-G	10	0	12	8	4	5
TBC1D8	2043	1040	2023	1808	1815	1535
NMS	0	0	0	0	0	0
HLA-F	5305	4483	8101	5599	5252	5234
ZFP57	68	70	28	101	0	127
ASPDH	13	4	17	5	4	7
MOG	0	0	0	0	0	0
OR2H2	0	0	2	2	0	0
CBY3	6	0	14	0	9	6
C5orf60	3	2	0	0	0	0
C9orf57	0	0	0	0	0	0
IL31	3	0	0	0	0	0
AKT1S1	956	470	1167	830	708	512
FAM153C	70	61	93	119	82	169
GABBR1	3470	2474	3905	3057	2734	3147
CASC10	0	0	0	0	0	0
C10orf113	0	0	0	0	0	2
MAS1L	0	0	0	0	0	0
OR2H1	0	0	0	0	0	0
OR11A1	0	0	0	0	0	0
OR14J1	0	0	0	0	0	0
OR2J2	0	0	0	0	0	0
OR2J3	0	0	0	0	0	0
OR2J1	0	0	0	0	0	0
OR2B3	0	0	0	0	0	0
OR2W1	0	0	0	0	0	0
SPDYC	15	2	3	5	10	0
C9orf135	0	0	0	0	0	0
TRIM27	4299	2459	4812	4070	2518	3924
MALRD1	0	6	2	21	7	0
RANBP17	80	71	137	138	110	74
INSYN2B	48	12	69	27	17	20
FOXD4L5	11	6	3	4	5	8

TTC25	6	5	12	5	2	8
MRPL53	188	84	195	181	121	254
MROH6	136	189	270	194	163	252
ATXN2	4007	2027	4107	3439	2404	2775
DCTN1	4196	2648	6031	4702	2704	3394
SPATA31A	0	4	0	0	0	0
PNMA8B	11	17	26	15	13	13
TCTN1	640	373	691	457	326	305
FAM216A	299	129	307	182	161	186
ZBTB48	1482	921	2181	1514	1159	1264
IGFL2	0	0	0	0	2	0
IGFL4	0	0	0	0	0	0
KRTAP9-3	0	0	0	0	0	0
KRTAP4-8	0	0	0	0	0	0
GPR20	25	8	27	16	21	5
KRTAP1-4	0	0	0	0	0	0
KRT40	0	0	0	0	0	0
KRT25	0	0	0	0	0	0
MZT1	537	295	653	558	540	436
SPINK9	2	0	2	0	0	0
LRRC3C	6	2	0	0	0	4
PRR20B	0	0	0	0	0	0
PRR20A	0	0	0	0	0	0
ZNF155	411	256	166	261	203	44
UQCC3	112	80	95	70	64	66
FBXO48	429	222	335	299	181	441
GRXCR2	0	0	0	0	0	0
FAM221B	4	6	18	8	13	3
CD177	11	57	54	8	11	93
PSG5	0	0	0	0	0	0
ZNF783	2366	1151	3012	2438	1529	1739
ZNF425	53	27	69	52	53	53
LRRC10B	0	0	6	4	0	0
FBXO47	0	0	0	0	1	6
C12orf73	106	70	79	105	37	84
PCDHGA1	19	13	12	6	6	9
PCDHA9	0	0	0	0	0	0
PCDHA8	0	0	0	0	0	0
PCDHA7	0	0	0	0	0	0
PCDHA5	0	0	0	0	0	0
PCDHA4	0	8	0	0	0	0
PCDHA2	0	0	0	0	0	0
PCDHA1	0	0	0	0	0	0
TRIM13	1805	853	2223	1630	1178	1637
ERICH4	0	4	2	0	0	0
MS4A13	0	0	0	0	0	0
PRSS1	3	6	2	10	0	2
SPIRE2	90	47	87	85	66	66
AARD	0	0	12	0	0	0
PABPN1L	17	8	22	17	17	9
OR5D16	0	0	0	0	0	0
OR5L2	0	0	0	0	0	0
PKHD1L1	1339	1500	2256	1358	4317	961
SLFN12L	8446	3574	10190	9723	4356	6190
CLLU1OS	0	0	0	0	0	0
SLC35B4	1603	864	1918	1745	1307	1337
LGALS7	0	0	0	0	0	0
SYCE1L	48	12	38	37	11	17

TMEM231	134	47	105	86	65	95
FAM71F2	127	118	198	121	86	135
C2orf91	2	0	0	0	5	2
CCNI2	146	24	93	82	60	58
TMEM240	6	5	3	12	5	4
FRG2	0	0	0	0	0	0
FAM205A	0	0	0	0	0	0
CDKL4	5	2	13	8	0	0
TMEM88B	0	0	0	0	0	0
ACCSL	24	17	48	7	76	16
C4orf47	0	0	3	1	0	0
TRIQK	619	453	790	632	907	589
SDHAF1	312	174	364	368	188	344
ARID3C	2	0	2	2	0	0
PSENEN	292	249	425	260	132	193
C11orf91	0	2	0	1	2	3
FABP9	0	0	0	0	0	0
ZBTB10	1909	1940	3797	1925	1133	1258
C4orf46	265	316	433	337	187	212
SCGB2B2	91	31	60	58	25	50
CCDC144N	2	4	49	5	14	6
LGR4	242	112	243	233	163	108
PSMB10	1711	911	2151	1734	1053	1018
VIT	61	33	59	33	12	4
AC105052	164	188	756	602	305	220
SPDYE2	10	3	40	3	18	4
E2F4	1574	934	2202	1625	1064	985
PDE7A	15503	8334	15681	12472	7849	11237
TMEM170I	10447	4958	8654	11018	9094	7800
MUC12	10	4	22	7	2	2
CTXN3	0	0	0	0	0	0
MGAT4D	0	0	0	0	0	0
SNX2	5288	2808	5383	4908	3452	3721
SAP25	1007	637	1158	742	560	738
NT5M	191	161	247	149	408	108
SARNP	1214	842	1724	1353	879	1086
OR6C68	0	0	0	0	0	0
OR6C65	0	0	0	0	0	0
OR6C3	0	0	0	0	0	0
OR6C1	0	0	0	0	0	0
ADGRG1	6640	2407	13194	8696	4110	3175
IPO7	8793	4174	9276	7695	5371	6611
PRR13	2339	408	857	2142	1434	1667
TECPR1	6406	3185	7195	5273	3764	4111
MT1H	0	0	0	0	0	0
SLCO6A1	0	0	0	0	0	0
MT1A	0	0	0	0	0	0
INSYN1	0	0	0	0	0	0
MT1M	0	0	0	0	0	0
CFI	0	0	0	0	0	0
OR52E6	0	0	0	0	0	0
SAMD9	11384	5933	12707	9720	4817	7340
KRT6A	0	0	0	0	2	0
CNEP1R1	1462	536	1937	1059	1127	1199
KRT81	26	4	19	6	3	8
EXOC3L4	0	4	9	0	7	0
KRTAP12-	0	0	0	0	1	0
IZUMO3	0	0	0	0	0	0

KRTAP10-	0	0	0	0	0	0
TP53TG3D	0	0	0	7	19	0
TP53TG3C	0	0	0	0	0	0
ATP6AP1L	109	70	121	103	76	101
CCDC85C	556	403	881	682	387	431
OR52J3	0	0	0	0	0	0
OR51A2	0	0	0	0	0	0
OR51A4	0	0	0	0	0	0
C2CD4B	0	0	0	2	2	0
RGL3	7	10	28	1	8	2
NAP1L4	7143	3783	8109	6955	4342	4771
TMSB4X	113674	80362	172472	118732	151102	97694
TMEM256	176	96	207	125	86	136
C9orf92	0	0	0	0	0	0
CPT1B	675	913	1710	860	650	876
SMN2	713	212	911	317	213	511
SERF1B	375	276	518	182	290	218
HMGN1	4104	2176	4190	3457	2301	2966
MUC19	4	2	14	1	0	0
DENND6B	235	157	275	164	167	204
EIF3CL	2934	0	3519	3581	2590	2290
LCMT1	794	394	812	675	454	587
MFSD2B	170	218	224	179	585	178
VCX3B	0	0	0	0	0	0
CDPF1	142	65	176	168	86	121
HTN3	0	0	0	0	0	0
LIN52	757	370	918	837	546	564
ARSH	0	0	0	0	0	0
ACOT6	0	0	0	0	0	0
SMIM11A	272	130	330	271	151	238
TECRL	0	0	0	0	0	0
DPF3	166	84	186	110	139	102
MANSC4	4	3	4	0	0	0
ETFRF1	723	369	758	596	368	239
C17orf107	152	622	512	240	200	123
MBD3L4	0	0	0	0	0	0
ITSN1	708	439	865	430	646	681
ITPRIPL2	2473	946	2380	1892	1377	1671
DENND1C	2895	1836	3939	3141	1963	2090
SLCO1B7	0	0	0	0	0	0
CRLF2	9	18	15	15	5	11
CRYZL1	1156	497	1409	1166	764	1130
C5orf51	2639	1425	3061	2377	1618	2121
GAGE1	0	0	0	0	0	0
ARRDC5	897	312	620	539	315	560
CYS1	14	4	0	4	0	0
PLPP6	862	316	723	872	354	653
KLRC2	516	355	1589	1250	224	597
KLRC3	1109	425	1684	1528	777	405
C16orf96	37	29	42	33	29	35
GMNC	0	0	0	0	0	0
TTC23L	3	6	8	2	0	0
CLEC6A	129	111	171	180	147	277
C22orf42	0	0	0	0	0	0
NANOGNB	0	0	0	0	0	0
LRRC72	0	0	0	0	0	0
C1QTNF9B	0	0	0	0	0	6
KRTAP5-6	0	0	0	0	0	0

KRTAP5-2	8	0	7	0	5	5
KRTAP5-1	0	0	2	0	2	0
DEFB134	0	0	0	0	0	0
DEFB135	0	0	0	0	0	0
DEFB136	0	0	0	0	0	0
BHLHA9	0	0	0	0	0	0
ZNF316	3920	2616	5831	3930	2471	2635
DAZ4	0	0	0	0	0	0
ONECUT3	0	0	0	0	0	0
CEMP1	52	34	103	54	39	53
OLIG2	18	5	2	0	0	4
C21orf62	5	0	0	2	0	2
RNPS1	4176	2561	6456	5301	3674	3170
DAZ2	0	0	0	0	0	0
NYNRIN	47	54	52	93	46	32
DNAJC19	670	271	616	434	279	517
IFITM5	7	2	11	0	6	0
SMIM21	0	0	0	0	0	0
C18orf63	0	0	0	0	0	0
DEFA1	336	406	2130	222	948	1093
DOK6	101	113	119	105	312	65
JPT2	940	673	464	165	394	710
TMEM211	2	0	0	0	0	0
SERPINB1	0	0	0	0	0	0
SERPINB4	0	0	0	0	0	0
SERPINB5	0	0	0	0	0	0
ZDHHC11	79	83	66	128	57	108
KRTAP19-	1	4	1	0	0	0
KRTAP20-	0	0	0	0	0	0
KRTAP20-	0	0	0	0	0	0
KRTAP22-	0	0	0	0	0	0
KRTAP27-	0	0	0	0	0	0
CFAP99	20	3	17	2	6	7
GOLGA8O	239	257	434	397	167	307
TMEM191	26	19	37	19	10	14
RNASE13	0	4	0	0	2	0
HBA1	2303	1283	4138	4743	1381	9250
HBM	5	0	4	5	0	12
ELOA2	1	0	0	0	0	3
ATP10A	2899	1383	4223	3240	1620	1931
ANKUB1	13	41	26	5	12	1
TSSK2	4	0	2	5	0	2
PRR23A	0	0	0	0	0	0
FOXL2NB	0	0	0	0	0	0
COL6A6	6	0	0	0	0	0
RAB12	1460	704	1689	1173	1058	1322
LRRC30	0	0	0	0	0	0
TMEM200	0	0	0	0	0	0
OR10C1	0	0	0	0	0	0
HLA-A	38231	24029	54680	37799	32789	29322
HACD2	2054	905	3780	3165	1207	1516
CFAP44	1477	584	1163	1409	565	828
CD200R1L	13	7	34	43	5	0
LNP1	37	28	30	21	26	37
OR5K3	0	0	0	0	0	0
VGLL3	0	0	0	0	0	0
PRSS50	0	2	9	0	2	0
TRIM71	119	30	71	72	28	33

ZCWPW2	39	16	36	40	25	28
ANKRD28	3764	4654	5230	3622	3363	2699
COLQ	922	539	290	877	441	429
METTL6	778	393	827	702	498	723
XKR4	0	0	0	0	0	0
GPX3	62	47	101	60	59	26
DIO2	0	0	0	3	0	1
SELENOH	1220	747	1815	1349	861	1008
DIO1	4	3	9	0	0	1
STK38L	1560	839	1605	1291	1374	1080
SACM1L	7418	3699	7124	7078	4863	5413
TSN	2994	782	3445	1014	1716	2398
SLC48A1	494	327	470	336	304	357
TSSK1B	0	0	0	0	0	0
PRR22	65	46	76	58	54	39
TAS2R19	400	97	325	287	175	458
TAS2R50	165	39	57	109	79	212
TAS2R14	581	252	535	548	288	733
TAS2R13	361	71	243	278	152	380
KRTAP16-	0	4	0	7	2	0
KRTAP29-	0	2	6	0	0	7
KRTAP9-6	0	0	0	0	0	0
CTAGE1	1	6	7	11	3	3
C17orf51	316	14	260	221	173	214
KRTAP4-1	0	0	0	0	0	0
KRTAP4-9	0	0	0	0	0	0
KRTAP2-3	0	0	0	0	0	0
KRTAP2-1	0	0	0	0	0	0
RTL8B	6	6	44	15	16	6
OR2A42	36	2	21	6	14	2
RNF208	18	19	50	27	47	10
KRTAP3-3	0	0	0	0	0	0
KRTAP3-2	0	0	0	0	0	0
KRTAP3-1	0	0	0	0	0	0
MT-ND4L	8326	6374	8957	8782	7808	9319
MAP10	261	83	225	141	139	215
KRTAP12-	0	0	0	0	0	0
KRTAP10-	0	0	0	0	0	0
KRTAP6-3	0	0	0	0	0	0
POU5F1B	85	35	39	88	33	93
ZNF580	501	402	673	572	440	550
ZNF611	3639	1836	3020	2137	2024	2959
KLK9	0	0	0	0	0	0
SYT3	14	6	11	0	4	5
NUP62	2512	1084	2292	2257	1297	1646
SPHAR	4	3	3	3	3	3
CGB8	0	0	0	0	0	0
DENND1B	4526	2167	5515	4739	2765	3310
SFT2D2	23949	12431	31128	28910	20595	17764
FGFR1OP	1558	829	1004	714	565	1095
SCAF8	6899	4468	8064	8057	4659	6078
CFAP45	65	144	85	35	49	15
ACKR1	0	0	0	0	0	0
ZNF254	2090	984	2026	1610	1010	1401
TCTEX1D2	50	55	161	108	70	63
CRYGS	279	83	200	215	122	248
CRIP1	551	427	768	778	418	540
KLHL23	79	60	26	97	37	105

LINGO4	12	10	8	11	4	27
FAM24B	111	85	183	121	56	70
TRIM59	1258	582	1717	1254	746	1126
MLLT11	329	258	420	326	193	251
ASIC3	67	40	117	81	54	63
GIMAP1	3166	1165	2705	2671	1546	2825
AL049697.	63	38	77	51	35	61
CCDC183	97	42	95	81	80	42
ARHGEF35	207	64	296	147	124	134
OR2F1	0	0	0	0	0	0
CSH2	0	0	0	0	0	0
DNLZ	204	176	264	221	81	271
TCL1B	17	8	57	40	36	8
AC239799	1216	316	809	267	0	605
SUPT4H1	1128	751	1494	955	670	660
TSGA13	0	0	0	0	0	0
NRAS	5246	3010	7190	6251	4094	3944
ZNF625-Z	0	2	18	11	0	9
LTC4S	54	21	122	50	59	39
ANKRD39	582	309	770	612	323	469
QTRT1	558	320	719	618	391	384
CHUK	2281	1843	3940	2791	1675	2113
MXD3	542	236	692	504	348	376
GSTM2	1099	523	556	743	820	550
COG8	2292	986	2849	2366	1473	1984
ARHGAP19	2437	1490	3038	2514	1692	1610
HAUS7	370	190	514	477	269	263
LCAT	174	134	193	111	118	150
MAGEA12	0	0	0	0	0	0
PTPRCAP	2064	1153	2900	2103	872	1183
PVRIG	665	671	477	611	386	520
KRTAP4-1	0	3	0	0	0	0
KRTAP2-4	0	0	0	0	0	0
GPC2	216	155	222	154	92	120
KRT222	0	0	0	0	0	0
SIPA1	6089	4503	10031	7086	4218	3993
ERV3-1	1617	1412	1999	1178	1057	947
SYNJ2BP	3219	1495	3252	2912	1759	2368
ARL2	224	81	249	237	122	156
TTLL13P	6	26	60	19	13	13
GBP7	0	2	0	3	1	0
RBMXL1	2492	1664	3470	2621	2103	1672
SRA1	1071	1104	1853	1178	952	861
STIMATE	2443	2527	4573	4466	1959	1746
DNAJC9	854	485	974	889	607	616
C8orf82	374	190	547	268	154	196
CPLX3	8	4	22	16	4	2
VDAC1	1717	903	2097	1830	1587	1087
ZBTB9	418	213	468	258	124	215
TMX2	1714	819	2271	1795	1108	1340
HEXA	5690	2879	8869	5463	4606	3914
NDUFS3	848	446	1094	855	624	615
LEPROT	5640	3347	6219	5655	6347	3893
LBH	9994	4843	10894	10008	4697	7112
ADAT3	216	49	310	220	150	173
PPP1CB	18657	11119	21281	18837	14259	14335
SULT1A4	473	611	861	821	415	507
GPSM3	1105	3500	1378	3646	1209	3115

LAT	2893	1432	2948	2502	1794	1950
NCKIPSD	715	394	858	576	634	642
ATF6B	4143	2427	5406	4303	2973	3011
TREX1	27	21	17	26	19	22
S1PR3	1525	1562	3122	1399	1102	1612
SLC35F6	1706	1079	692	812	584	1432
FAM209B	40	8	52	80	19	20
CLIC1	5363	6394	7221	9720	4033	3923
DDAH2	308	182	433	272	203	255
RPS29	4093	2776	4897	4384	2462	3671
UGT2B11	0	0	4	0	2	4
ATP6V1G2	113	58	85	43	74	123
ZNF134	1366	712	1601	1396	879	926
GTF2H4	351	159	312	399	180	242
DDX47	2127	1714	4536	3065	1776	2081
ZNF888	839	442	1090	804	518	207
ZNF845	1737	836	1717	1789	762	1483
KLRK1	5320	3682	9038	10413	2626	3317
CEACAM1	0	0	0	0	0	0
EMP2	0	0	3	0	0	0
KCTD11	395	212	603	388	237	312
C8orf44	416	185	357	249	252	355
UBD	0	0	0	0	0	0
PPM1N	107	51	107	106	91	63
CEACAM1	0	0	4	0	0	0
SLC23A3	62	43	165	57	109	103
LTB4R	2357	1668	2718	2151	1757	2137
LTB4R2	492	321	647	509	333	382
DNASE1	3550	1908	4043	2732	1848	2444
MDP1	118	72	151	156	83	103
LEUTX	0	0	0	0	0	0
CSNK1E	1302	1221	2267	1735	1237	1061
CCL27	16	0	12	0	12	0
IRF9	3620	1642	5154	3407	2043	2612
GALT	1811	1042	1699	1433	1070	1288
HBE1	4	0	0	14	7	6
HBG1	25	11	2	23	60	21
CLDN9	16	27	45	23	6	8
ITGA1	341	238	1167	167	238	423
NUDT19	1186	749	1404	1159	844	896
ZNF726	193	212	428	315	283	159
ZNF99	0	0	0	0	4	3
TAX1BP3	369	334	903	728	1092	629
AP1G2	3541	1898	4505	3313	2113	2556
ZNF90	80	78	183	91	77	83
NAXD	1424	698	1641	1195	869	1095
TM6SF2	0	0	4	2	0	0
MEF2B	88	63	101	131	53	98
GANC	4904	2208	5099	4171	3381	3223
TTLL3	1887	820	2955	2142	1521	2271
REPIN1	459	1101	2060	1736	1242	362
MRPL23	82	84	432	47	108	189
ZNF891	3350	1398	2636	2343	1537	2317
IFNA7	0	0	0	0	0	0
SMIM7	2196	1129	2708	2250	1607	1668
FBXO16	9	0	0	0	3	0
TSPAN4	328	281	487	357	320	192
CPNE1	3942	2275	4742	3604	1835	2976

ARL16	291	176	386	366	240	211
SMCO1	0	0	0	0	0	0
WEE2	2	0	1	9	0	6
MAGEB1	0	0	0	0	0	0
LYRM4	752	279	698	627	456	305
MYCBP	660	586	1345	1070	893	728
TMEM213	0	0	0	0	0	0
PRCD	51	29	60	35	14	37
ALG3	447	234	495	395	267	331
SH3D21	72	79	93	45	56	71
SMIM30	448	221	458	438	250	309
C19orf38	940	523	1119	663	546	699
IQCJ	2	0	0	0	0	0
C17orf67	166	128	217	206	123	180
MINDY4B	0	0	0	0	0	0
FIS1	1100	718	1521	835	872	859
AC124312	1125	547	1102	1046	564	969
ANG	24	14	31	54	50	54
SCART1	1040	546	973	789	562	675
NPS	0	0	0	0	0	0
COLCA2	2	0	1	0	0	0
SPDYE3	22	0	5	8	3	3
MBLAC1	36	33	61	74	40	24
C3orf56	0	0	0	0	0	0
FOXI3	0	0	0	0	0	0
SOGA3	0	0	12	2	0	4
NEURL1B	69	10	96	91	54	52
EFCAB9	0	0	0	0	0	0
HAUS3	1927	1053	2442	2020	1008	1585
VSTM5	0	0	4	0	0	4
LCNL1	52	37	69	71	76	4
BBIP1	2239	1124	2449	1997	1290	1536
TRIM77	0	0	0	0	0	0
GNAT3	0	0	0	0	0	0
AS3MT	0	0	0	150	0	0
FAM187A	12	10	0	0	3	0
PLIN5	59	351	254	34	36	19
SEC14L6	0	0	0	6	2	0
SPINK13	0	0	0	0	0	0
HIGD1C	5	2	10	0	1	10
NOTO	0	0	0	5	0	0
PPME1	966	575	1100	991	661	798
KRTAP2-2	0	0	0	0	0	0
STARD10	156	200	272	115	85	72
ZNF705E	76	21	63	63	63	76
NUTM2D	304	132	192	247	201	184
CPEB1	27	3	19	13	5	22
EML6	650	460	686	273	613	394
DEFB113	0	0	0	0	0	0
DEFB133	0	0	0	0	0	0
ZNF727	11	33	55	24	2	25
B3GNT10	76	28	72	73	38	30
ZSWIM8	3759	2728	5498	4001	2432	2711
IQCF5	0	0	0	0	0	0
IQCF6	0	0	0	0	0	0
C10orf105	155	159	269	186	134	142
ARHGEF33	17	7	15	30	22	6
C12orf71	0	0	2	0	0	0

IFRD2	455	246	673	473	266	335
CAPN14	79	44	108	73	55	38
ZBED1	1736	1424	3464	2981	2089	1937
AL096814.	0	0	0	0	0	0
TOMM6	601	415	665	536	426	517
HNRNPUL	6503	3472	7061	6383	4117	4720
CSKMT	13	8	178	21	5	60
MS4A18	0	0	0	0	0	0
MS4A4E	270	142	382	329	211	193
FER1L6	0	8	0	0	0	0
CDRT15L2	0	0	0	0	0	0
MTCP1	175	59	152	162	59	129
RAD51AP2	0	0	0	0	0	0
EVPLL	0	0	6	0	0	0
DCDC2C	0	0	0	0	0	0
SMTNL1	25	2	13	3	6	10
TRIM64C	0	0	0	0	0	0
PNMA6E	0	0	0	0	0	5
SPATA31D	0	0	0	0	0	0
NPIPA8	416	87	210	626	58	203
ZSWIM7	415	178	310	306	196	264
GPR33	0	0	5	0	0	3
ARHGEF28	194	92	459	349	127	112
TBC1D26	5	0	3	0	0	0
LRRC69	293	90	177	211	141	229
ISPD	193	144	303	341	171	151
NPIPA7	267	72	193	540	112	135
GSG1L2	0	0	0	0	0	0
ACSM4	0	0	0	0	0	0
RTL10	1616	1041	2195	1838	991	1395
COL28A1	23	6	34	42	7	20
PHB2	2052	1332	2815	2080	1114	1763
TCP11X2	0	0	0	0	0	0
NEURL4	1797	1191	2538	1745	1143	1379
GRID2IP	23	5	26	26	18	25
CXorf49B	0	0	0	0	0	0
UBXN2B	3479	2799	4940	3004	1957	2726
CXorf49	0	0	0	0	0	0
CBWD6	1232	454	1369	704	737	618
C16orf90	0	0	0	0	0	0
PRSS41	1	0	0	2	0	0
NLRP2B	0	1	12	11	6	6
MUC5AC	0	0	0	0	2	0
MSMP	28	15	24	15	8	14
GOLGA6B	2	0	0	4	0	3
FAM166B	21	2	14	5	6	12
PEX26	4978	297	3636	760	3024	2587
GRXCR1	0	0	0	0	0	0
C5orf49	0	0	0	0	0	0
UBE2QL1	6	3	4	0	2	0
FASTKD5	1517	1196	2686	2196	1309	1392
GOLGA8B	12607	5772	11377	12635	7331	8907
KCNU1	0	0	0	0	0	0
GAGE12G	0	0	0	0	0	0
HOMEZ	949	382	687	814	402	630
GAGE10	3	0	0	0	0	0
RNF212B	5	4	6	6	19	0
DDX3X	10105	12494	17655	12691	7518	11081

VPS16	1863	978	2600	2001	1250	1375
ZNF705D	0	0	0	0	0	0
ZNF705B	0	0	0	0	0	0
ZNF705G	0	0	0	0	0	0
MYL5	227	130	394	165	181	239
SCRT2	0	0	2	2	0	0
ZNF407	7298	4125	8918	6560	4488	5133
NPEPL1	2615	1662	3821	2562	2329	2060
KRTAP10-4	0	0	0	0	0	0
KRTAP10-	0	7	0	0	0	0
RPL17-C18	1578	0	448	1399	202	1103
SKOR2	0	0	0	0	0	0
SIAH3	35	24	53	23	18	15
EFCAB8	43	117	134	67	69	64
DEFB116	0	0	0	0	0	0
DEFB115	0	0	0	0	0	0
GAB4	8	4	9	33	8	0
C20orf202	14	19	26	40	15	13
HMX1	0	0	0	0	0	0
GCGR	2	0	0	0	0	0
RSC1A1	15	13	17	16	12	13
CELA2B	0	2	0	0	0	0
TMEM242	1100	498	1229	1006	923	897
TMEM167I	3927	3320	5730	4075	3474	2914
FAM72D	63	27	42	35	28	21
TNFRSF25	1803	1292	2410	1562	1041	1765
SLC35E2A	5648	2495	5586	3694	3474	2857
TSTD1	232	233	526	315	237	337
RPTN	0	0	0	0	0	0
CYB5RL	690	266	615	487	319	304
LACTBL1	0	0	0	0	0	0
C1orf167	23	14	39	33	28	13
TTC34	624	237	393	408	234	348
ATAD3C	52	20	25	33	29	14
IFI30	11585	5234	14361	10122	2464	8030
IGSF23	3	9	0	4	0	0
GAGE12E	0	0	0	0	0	0
AC131097	3	0	2	2	3	0
CCDC7	2481	808	1857	1160	982	1261
FNIP1	7047	5333	9223	6485	4640	4905
SP9	0	0	0	0	0	0
SYCE3	0	0	0	0	0	0
CKLF	992	857	1494	962	679	867
PAM16	560	286	708	636	405	425
CDC14C	53	57	69	40	101	32
TENM3	0	0	0	0	0	0
CEBPZOS	2236	1153	2887	2109	1374	1815
TDRD15	64	19	26	28	76	53
PAPOLB	0	2	0	0	0	0
ZNF579	171	103	295	206	143	141
CELA3B	0	0	0	0	0	0
RNASEK	541	367	695	419	306	415
CATSPERZ	0	0	0	0	3	0
FAM19A5	0	4	15	0	0	0
NBPF1	2614	850	1969	2396	1014	1069
UMAD1	1146	440	400	794	544	282
PPP1R3G	41	0	16	20	36	42
FAM228B	566	307	604	603	345	419

LINGO3	123	113	158	115	79	48
ZGLP1	104	55	65	72	97	94
VAMP2	3535	2744	5272	4157	2840	2920
TRIM51GP	0	0	0	0	0	0
OR6B1	0	0	0	0	0	0
EBF2	0	0	0	0	0	0
C6orf226	56	10	45	47	29	50
PPP3R1	10011	6975	13794	10917	10233	7914
PSG3	0	0	0	0	0	0
FANCG	450	280	678	515	346	347
OR2A5	0	0	0	0	0	0
KRTAP10-	0	0	0	0	0	0
AP4M1	265	89	309	253	175	240
OR4A5	0	0	0	0	0	0
C2orf16	0	0	4	2	0	2
KRTAP1-5	0	0	0	0	0	0
TAS2R41	125	69	83	90	25	102
OR2A12	0	0	0	0	0	7
KRTAP10-	0	0	0	0	0	0
KRTAP12-	0	0	0	0	0	0
PLXNA4	649	496	1321	735	818	429
MAGEA3	0	0	0	0	0	0
CEBPD	2489	1690	3023	2296	1249	1100
ZNF816-Z	265	115	242	250	169	194
PSG7	0	0	0	0	0	0
KRTAP1-3	0	0	0	0	0	0
OR3A2	1	9	0	7	0	5
ARIH2OS	61	30	79	55	34	35
ZBED8	45	20	47	62	29	51
HMSD	4	0	2	0	6	6
OR1C1	0	0	0	0	0	0
NPTXR	311	209	508	296	262	435
POM121L1	0	0	0	0	0	0
FAM200A	188	93	225	211	110	205
OR2F2	0	0	0	0	0	0
PPP2R2A	3910	2381	4678	3830	2259	3151
C19orf73	5	8	6	6	0	0
ZNF880	554	174	389	553	68	448
TRIM16	393	155	552	255	130	327
OR6X1	0	0	0	0	0	0
HEPN1	0	0	0	1	0	0
OR2A25	0	0	0	0	0	0
TAS2R40	0	0	0	0	0	0
OR2A14	0	3	0	0	0	0
TIGD1	975	503	1136	985	589	708
FXYD7	102	74	63	103	77	80
XKR9	34	15	44	32	32	27
OR4C12	0	0	0	0	0	0
SLC12A8	10	4	21	29	30	13
APOL6	20220	10753	27261	24001	12316	14050
FADS3	502	329	578	417	290	295
OR2A1	22	4	29	12	14	16
OR4E2	0	0	0	0	2	8
CCNL2	7379	4789	9165	7581	4478	2837
UBA52	3494	3096	4986	3726	1818	2702
MYBPHL	0	1	0	7	4	0
PPT2	203	56	317	284	166	133
OR2A2	0	0	0	0	0	0

ZNF630	236	142	319	228	219	229
TIAF1	956	430	970	999	623	737
OR52B4	9	0	4	1	0	0
BTBD19	127	404	292	142	137	77
FAM185A	270	129	323	172	194	217
RAB6C	26	18	14	5	10	19
FAM243A	0	0	2	2	1	0
PSMB11	1	4	5	0	0	0
POTEM	0	0	2	0	0	4
POTEJ	0	0	2	5	0	0
DCDC2B	24	4	18	9	5	4
C10orf55	0	18	4	4	0	0
TRIM49D1	0	1	0	19	2	15
USP17L2	8	0	1	4	0	1
EXOSC6	2926	1826	4013	3482	1998	2179
VPS52	2229	1192	2497	2383	1375	1788
CDRT15	0	2	3	0	2	2
ZNF844	800	993	1815	1467	676	734
USP17L15	1	0	0	0	0	0
CKMT1A	0	0	0	0	0	0
TINCR	56	9	63	48	49	22
CENPVL1	0	0	0	0	0	0
EBLN1	0	0	0	0	0	1
HBD	33	7	76	22	26	69
ZNF735	0	0	0	0	0	0
RFPL4A	4	0	0	0	94	5
C1GALT1C	0	0	0	0	0	3
CERS1	4	5	6	0	0	2
HLA-DPB1	5160	2524	7441	8688	6223	4434
C1QTNF5	0	0	0	0	0	0
CPTP	415	242	566	533	219	400
CT47A10	0	0	0	0	0	0
ETDB	0	0	0	0	0	0
CENPVL3	0	0	0	0	0	0
PRR29	78	6	86	44	56	29
C4B	160	105	174	128	85	66
ADM5	0	68	54	23	49	64
CXorf51A	0	0	0	0	0	0
ATXN1L	4359	3709	8326	6128	4136	3449
SMIM13	879	475	1013	936	538	731
HNRNPA1	130	104	153	152	124	257
GPX5	0	0	0	0	0	0
GAGE12J	0	0	0	0	0	0
NPIPA3	31	12	46	2	5	9
NDUFAF8	205	100	351	360	175	204
GAGE12H	0	0	0	0	0	0
APOC4-AP	0	0	0	0	0	0
PRRT4	4	15	60	2	31	27
PPP4R3C	0	0	0	0	0	0
TMEM233	0	0	0	0	0	0
PNMA6F	0	0	0	0	0	0
PVALEF	0	0	1	0	0	0
PLEKHM1	3749	3010	5747	3701	3013	2814
USP17L3	0	0	0	1	0	0
CT62	0	0	0	0	0	0
FAM236D	0	0	0	0	0	0
MKRN2OS	4	2	0	3	0	0
Z82206.1	720	432	904	626	753	478

C2CD4D	0	4	8	10	16	12
ZNF469	513	195	588	504	343	264
MCRIP1	549	393	1061	793	494	445
SLC26A6	938	586	1421	1280	687	884
OR6V1	0	0	0	0	0	0
DEFB131B	0	0	0	0	0	0
FAM229A	1096	604	1277	847	623	860
ERCC6	3866	1899	4351	3146	2452	2583
FRG2B	0	0	0	0	0	0
NOL7	664	492	762	569	254	493
CTAGE4	155	24	217	59	101	140
C5orf67	13	2	7	9	1	5
NTF4	0	0	0	0	0	0
ELFN1	0	0	0	2	0	5
PIGBOS1	357	157	322	263	173	229
CT47A6	0	0	0	0	0	0
FTCDNL1	167	65	52	71	120	106
TEX22	136	23	57	73	61	78
OR52I2	0	0	8	0	0	2
CROCC2	97	9	28	31	42	28
DCAF8L1	0	0	0	0	0	0
USP17L7	3	0	3	0	3	0
TMEM185I	955	730	1335	1076	559	732
AC138647	0	0	0	0	0	0
CT47A9	0	0	0	0	0	0
KIF4B	2	0	2	2	5	4
CT47A12	0	0	0	0	0	0
AC013470	0	0	0	2	2	0
HSBP1L1	289	122	269	205	88	171
TAS2R46	323	69	167	223	123	339
SRRM5	14	22	42	22	8	7
PGAM4	14	13	17	15	18	17
C13orf42	5	0	0	0	0	5
ERVMER34	0	0	0	3	0	0
CT47A11	0	0	0	0	0	0
RBMY1J	0	0	0	0	0	0
LTA	89	80	84	71	39	54
C14orf132	89	5	251	130	167	159
WDR46	1008	462	1126	1027	585	665
ANHX	0	0	0	0	0	0
ZNF717	1216	447	1077	790	600	781
USP17L5	0	0	0	0	0	0
PRR20D	0	0	0	0	0	0
SPANXB1	0	0	0	0	0	0
KLLN	108	77	95	86	40	53
PARG	2399	1279	2693	2281	1481	1921
AKR1B15	0	0	0	0	0	0
GAGE12D	0	0	0	0	0	0
SCAMP4	1071	567	1258	1030	857	867
LTB	2905	1702	3987	2006	1731	2098
USP17L12	0	0	0	0	0	0
RD3L	0	0	4	0	10	3
TEX46	2	0	3	2	1	4
MRLN	6	5	3	4	5	0
POLR2J2	1009	710	3155	1868	1214	1181
BOD1L2	0	0	0	0	0	2
IFNA14	0	0	0	0	0	0
AC078927	0	0	0	0	0	0

OR2M3	0	2	0	10	0	2
MT-ATP8	3220	3412	4160	3793	4660	4240
ORM2	7	9	12	5	8	10
C19orf24	355	220	481	421	234	284
TSTD3	117	66	109	100	68	100
OST4	1581	1347	2659	1616	3344	1924
C2orf92	317	139	295	186	161	214
CT47A7	0	0	0	0	0	0
VN1R4	0	0	0	0	0	0
NUTM2E	33	47	70	91	108	42
FNDC10	57	27	43	80	34	31
CLDN25	5	0	0	0	0	0
PROB1	69	51	88	46	43	60
ARL17B	953	379	587	454	352	1082
DHFR	833	463	1037	641	427	842
SAPCD1	81	58	93	53	50	70
CT45A5	0	0	0	0	0	0
USP17L30	0	0	0	0	0	0
TSPY3	0	0	0	0	0	0
RPL41	3730	3456	3304	3088	2315	3323
PGA4	20	20	20	20	14	54
RFPL4AL1	0	0	0	0	27	0
ORM1	0	11	38	4	1	59
SFTA3	0	0	0	0	0	0
SPINK8	0	0	0	0	0	0
PATL2	2627	1370	3939	3330	1613	2036
NKX1-2	0	0	0	0	0	0
TSPY8	0	0	0	0	0	0
PRAMEF25	0	0	0	0	0	0
USP17L26	0	0	0	0	0	0
PRAC2	0	0	0	0	0	0
PRR20C	0	0	0	0	0	0
AL121578.	0	0	0	0	0	0
ZNF492	80	50	55	49	25	58
ZNF688	422	199	459	423	262	265
PET100	268	453	702	531	302	234
PGA3	29	14	11	11	7	64
GK3P	4	7	18	16	4	8
FAM90A26	0	0	0	0	0	0
PRPS1L1	0	0	0	0	0	0
IQCF3	0	0	0	0	0	0
POTEB2	0	0	0	0	0	0
TEX53	0	0	4	1	0	0
ANKRD66	0	0	0	0	0	0
ACBD6	1781	1116	2427	1441	1379	1669
OR4F3	7	2	1	11	7	6
NFE4	5	33	40	3	12	0
SSU72P8	0	0	0	0	0	0
OR5H6	0	0	0	0	0	0
CT47A8	0	0	0	0	0	0
USP17L25	0	0	0	0	0	0
ANKRD18E	0	0	7	0	0	0
PPP5D1	86	44	114	107	47	83
MBD3L2	0	0	0	0	0	0
USP17L1	0	0	0	1	0	0
CCDC192	2	0	0	0	0	0
CT47A4	0	0	0	0	0	0
TEX48	0	0	0	0	0	0

AC011005	7	0	14	7	0	0
PRB4	0	0	0	0	0	0
SETSIP	11	10	17	20	13	9
ANKRD63	2	0	7	0	8	0
YY2	149	71	242	152	91	149
STMND1	0	0	0	0	0	0
HSBP1	2250	1223	2828	2111	1575	1442
USP17L28	0	0	0	0	0	0
KRTAP21-	0	0	0	0	0	0
OR5H1	0	0	0	0	0	0
PLSCR5	0	0	0	0	0	0
CFAP97D1	0	10	7	8	37	2
SBK3	0	0	0	0	0	0
HLA-DPA1	7491	3836	12101	14186	12017	4829
USP17L10	0	0	0	0	0	0
RPS18	12736	7154	9245	9959	6379	9125
USP17L29	0	0	0	0	0	0
TSPAN19	0	0	0	0	0	0
AL136454.	24	34	15	29	16	51
AKAIN1	0	0	0	0	0	0
CYP21A2	3	7	4	0	14	0
OR5K2	0	0	0	0	0	0
PRH1	1063	454	1051	664	601	1027
PSG1	0	0	0	0	0	0
TAPBP	13432	9510	19199	13851	9328	8632
PPP1R2B	11	21	12	9	11	13
MAGEB6B	0	0	0	0	0	0
ZBED9	34	7	2	4	5	15
TMEM253	6	6	6	5	9	4
TMA7	1510	1204	2366	1256	1262	1068
TEX50	0	0	0	0	0	0
MCTS1	843	339	830	690	430	607
DYTN	19	35	91	18	43	15
MTRNR2L4	0	2	2	0	0	0
ASCL5	0	4	0	0	0	7
TMEM114	0	0	0	0	0	0
KRTAP25-	0	0	0	0	0	0
USP17L24	0	0	0	0	0	0
OR52I1	0	0	2	2	0	0
OR5K1	0	0	1	0	0	0
SMIM26	544	285	559	403	235	324
USP17L13	1	0	0	0	0	0
PRAMEF6	0	0	0	0	0	0
AJM1	530	285	810	632	294	316
KANTR	1302	622	1695	1437	910	1101
HLA-DQB2	120	12	239	286	4	10
GOLGA8N	2063	578	1918	3172	985	1471
TNF	225	337	1144	350	300	243
PET117	108	49	78	105	151	105
LYRM9	441	225	497	284	231	262
DEFB130A	0	0	0	0	0	0
AC126755	1375	718	2203	2025	1030	903
PHGR1	0	0	6	3	0	0
DEFB130B	0	0	0	0	0	0
RAB6D	24	3	30	34	14	30
USP17L11	0	0	0	0	0	0
RNF224	11	0	3	10	0	0
NPIPB7	0	6	8	0	15	0

OR5H15	0	0	0	0	0	0
BTBD18	8	6	20	11	5	3
TMEM238	15	22	25	6	16	21
TWIST2	7	2	8	0	0	0
PIRT	0	0	0	0	0	0
PRR23C	0	0	0	0	0	0
AC092835	205	96	318	282	115	206
TRIM49D2	0	10	0	6	0	5
TSPY4	0	0	0	0	0	0
IFNA13	0	0	0	0	0	0
HIST1H2BI	318	268	588	358	321	274
POTEB	0	0	0	0	0	0
RPS28	1857	2646	4993	4130	1506	4936
CTXN2	0	0	4	0	0	2
UQCRHL	78	54	144	50	55	72
PAGE2	2	0	0	0	0	0
TRIM26	2710	1597	3710	2628	1715	1932
TMEM229A	0	0	0	0	0	0
PRR20E	0	0	0	0	0	0
ZNF879	802	364	841	600	290	697
H2BFS	3	4	2	2	3	4
CCDC188	12	0	6	23	2	3
RBMY1A1	0	0	0	0	0	0
KBTBD13	0	0	0	0	0	0
ZNF736	2050	916	2540	1828	2527	3141
PINLYP	12	4	12	30	19	15
CLDN34	0	0	0	0	0	0
C5orf58	10	8	12	10	4	0
FAM133B	1353	835	2045	1696	692	1079
OR10G8	0	0	0	0	0	0
MCIDAS	0	0	0	0	2	0
JRK	1611	1511	27	2243	2226	1278
NPIPB2	44	20	61	49	22	54
HLA-B	38121	41376	81505	60375	51487	37051
C11orf94	66	52	80	97	66	58
IQCM	0	0	0	0	2	0
IFNA17	0	0	0	0	0	0
HNRNPUL	75	0	173	0	135	523
APOC2	0	0	0	0	0	0
SHISA8	39	39	20	15	18	21
C19orf81	5	0	3	0	0	0
ANKRD65	0	2	0	0	0	2
BRD3OS	455	208	360	388	273	304
ZSCAN31	50	13	45	22	11	9
FAM237A	0	0	0	0	0	0
C12orf75	460	833	889	730	633	1192
SMIM1	6	11	19	2	10	18
HGH1	231	64	221	257	119	130
PPP1R3E	1200	519	981	891	724	724
KDM4E	0	0	2	0	0	0
RAMACL	263	158	303	232	187	182
RPEL1	3	2	4	2	2	7
SPAAR	0	0	0	0	0	0
SMIM27	91	103	131	82	78	88
NFAM1	7184	7424	10917	6226	6275	5640
NKX1-1	0	0	0	0	0	0
RNF148	0	0	0	0	0	0
CXorf51B	0	0	0	0	0	0

ANKRD34(	0	0	0	0	0	0
MFRP	0	0	0	0	0	0
KIAA0040	4583	1782	2455	3928	1291	1766
USP17L27	0	0	0	0	0	0
B3GALT4	876	408	806	678	343	535
LCE6A	0	0	0	0	0	0
PNMA6A	2	5	4	4	0	0
PATE3	0	0	0	0	0	0
OR5H14	0	0	0	0	0	0
ZBTB22	881	561	1052	724	589	606
USP17L4	0	0	0	0	0	0
CT47A3	0	0	0	0	0	0
CLEC2L	31	28	42	21	185	19
ZBED5	4270	2114	3518	3462	1985	2868
SLFN14	255	243	580	333	891	230
PPIAL4G	123	31	70	63	56	83
GAGE12F	0	0	0	0	0	0
CT47A1	0	0	0	0	0	0
CCDC200	18	3	19	19	3	5
SLC35G4	0	0	0	0	0	0
TAS2R39	0	0	0	0	0	0
TSPY10	0	0	0	0	0	0
UBE2L5	8	3	1	3	3	0
CT47B1	0	0	0	0	0	0
AL354761.	0	0	0	0	0	0
ZNF853	253	133	281	338	119	208
IFNA4	0	0	0	0	0	0
ARHGEF38	0	0	0	1	2	0
GAGE12B	0	0	0	0	0	0
CTAGE9	27	3	55	6	22	17
AL391650.	9	0	10	7	0	3
C3orf84	0	0	0	0	0	0
OR10G9	0	0	0	0	0	0
USP17L8	0	0	0	0	0	0
TAAR9	0	0	0	0	0	0
C4orf51	2	0	2	4	2	0
B3GNT9	150	121	203	110	63	142
CDKN2AIP	235	126	242	242	172	175
MBD3L5	0	0	0	0	0	0
CKMT1B	0	0	0	0	0	0
RNF223	0	0	0	0	5	0
PATE4	0	0	0	0	0	0
AL445989.	0	0	0	0	0	0
OR4A47	3	1	0	0	0	0
PRSS56	0	0	0	0	0	0
ZNF737	1761	657	1354	1117	631	1022
RGL2	3025	2356	4571	2955	1853	2302
BHMG1	0	0	0	0	3	0
C10orf143	293	113	305	273	199	162
SHISA9	9	0	12	2	0	0
OR7E24	0	0	0	0	0	0
TEX51	0	0	0	0	0	0
HLA-DQA	1174	37	923	2513	7	71
KIFC1	84	34	123	59	80	55
C2orf74	150	72	160	83	35	98
GAGE12C	0	0	0	0	0	0
IRGM	19	11	54	82	18	54
PRAMEF33	0	0	0	0	0	0

AMY1A	18	0	17	0	6	6
FAM200B	424	259	286	185	234	436
CT47A5	0	0	0	0	0	0
OR2I1P	14	46	29	41	9	17
LRRC37A2	3436	1215	2036	1665	601	2751
MPC1L	2	0	0	1	0	0
ETDA	0	0	0	0	0	0
TMEM250	515	283	391	527	279	292
OR2W3	55	73	125	52	182	84
PAGE2B	0	0	0	2	0	2
TXNDC5	6365	2268	4407	2781	2703	2177
CASTOR1	233	90	84	98	116	153
RNF103	3026	2707	5298	3785	2352	2762
RBM14	3593	1891	5205	3991	2088	2585
ALKBH6	459	328	679	462	327	365
ASB14	8	1	1	0	10	10
PCDHA13	0	0	0	0	0	0
AC118470	0	0	0	0	0	0
KLHL41	10	0	5	23	0	21
CASTOR3	1063	851	1650	1378	809	848
OR1J4	0	2	2	1	2	0
STPG4	34	12	31	25	20	11
PRR20G	0	0	0	0	0	0
MEIKIN	16	9	17	16	19	26
NME1	260	146	278	199	113	182
TNFSF12	730	470	1336	991	739	362
CDRT4	468	104	176	284	76	139
APOBEC3C	2979	1551	4860	3418	2007	2633
TLR9	187	118	177	162	134	107
WBP1	634	276	623	587	331	524
MRPS17	401	21	541	371	227	285
PRAMEF11	0	0	0	0	0	0
DEFA3	1081	442	1901	391	1041	1437
GET4	1070	729	1637	1275	753	760
KRTAP9-2	0	0	0	0	0	0
C1orf226	8	7	6	9	6	7
ADSL	1524	864	1778	1585	937	1384
AC104389	98	18	138	23	39	10
LILRA4	67	129	156	300	405	135
LILRA2	1817	1435	2815	1189	1453	1442
TEX35	84	26	69	49	29	38
AMY2B	2168	1085	2314	1842	1241	1833
DWORF	0	0	0	0	0	0
LY6G5B	863	462	1172	802	624	716
PSMB9	2895	1408	3153	2643	1970	2237
PCDHGC3	27	27	49	52	49	41
SMKR1	25	14	53	44	24	9
UGT1A5	0	0	0	0	0	0
COX19	2116	1387	2989	2404	1800	1896
DEFA1B	0	487	1701	0	762	830
ACAD11	1745	848	1679	1585	1198	1395
PPIL3	711	420	731	754	552	661
LCE1F	0	0	0	0	0	0
KIR3DL2	301	118	583	919	212	286
KRTAP13-	0	0	0	0	0	0
TNFRSF13I	234	90	170	129	386	130
KRTAP9-1	0	0	0	0	0	1
L1TD1	65	34	15	53	15	39

AQP1	11	9	35	13	10	22
C1QTNF9	18	2	2	19	3	15
ISY1	888	603	1287	1218	720	1015
PNMA2	2	3	16	0	3	6
LRRD1	4	2	4	15	11	4
KRBOX1	0	0	2	1	0	4
PCDHGC5	16	8	21	14	16	25
ARHGEF25	39	25	47	38	3	14
TMEM189	1296	713	1482	1352	1021	952
RDH14	606	285	629	465	277	426
KRTAP4-7	0	0	0	0	0	0
PLCXD2	2364	1522	2920	3301	1536	2267
MIF	493	265	618	537	284	372
NSUN6	1609	821	1649	1401	1007	1233
HLA-DOB	847	572	1114	993	609	508
UGT1A9	0	0	0	0	0	0
KRTAP10-	0	1	0	0	0	0
YAE1	283	92	200	179	94	161
OR14A2	0	0	0	0	0	0
AC115220	0	0	0	0	0	0
TDGF1	0	0	0	0	0	0
C3orf85	0	0	0	0	0	0
KRTAP5-8	4	0	8	0	5	7
KRTAP4-1	0	0	0	0	0	0
CRCP	2020	722	560	660	243	221
CDRT1	9	3	17	11	5	17
RPL36A	2210	1236	2153	2088	1344	1911
PDXP	269	169	402	352	212	210
RPP21	213	120	171	150	70	141
CD302	6545	4535	8454	6521	5948	6492
EGFL8	169	87	137	156	79	96
ATP5MF	746	368	644	657	233	516
SSX2	0	0	0	0	0	0
ARHGAP8	93	22	161	184	42	73
AC244197	1963	314	3262	1260	1623	163
ARPC4	9750	6402	14746	11391	9438	7884
CORT	7	0	6	4	2	5
KRTAP9-4	0	0	0	0	0	0
KRTAP5-4	0	0	0	0	0	0
UGT1A1	0	0	0	0	0	0
INMT	14	0	5	16	10	3
ARPC1A	1440	941	1974	1503	1182	1120
AL035460.	0	0	0	0	0	0
TMEFF1	0	0	138	79	115	39
SPRR2A	0	0	0	0	0	0
ATP5PO	1425	759	1619	1974	1279	1017
PLEKHO2	4626	5078	8359	4904	3326	3781
C8orf58	247	197	356	325	168	170
PISD	1731	1885	2818	2078	1366	1565
HOGA1	0	1	0	0	0	0
PWP2	521	615	336	182	563	1071
AC079447	51	60	41	84	93	128
PI4KA	10606	6040	13591	10885	7544	7692
AKAP2	1884	829	2028	1201	1032	1145
KIR3DL3	0	0	0	0	0	0
HYPK	936	723	165	400	596	743
AMACR	303	129	381	565	233	191
MTFP1	197	106	282	404	134	208

MDFIC2	0	0	0	0	0	0
ARHGDIG	0	1	2	0	1	2
TCP10L	18	4	35	28	10	13
PSG2	0	0	0	0	0	0
ARFGAP3	2853	1700	3833	3578	2291	2061
BGLAP	61	29	73	46	36	67
C22orf39	1061	777	1466	1313	797	797
PEG10	78	128	197	69	88	175
CT47A2	0	0	0	0	0	0
UGT1A8	0	0	0	0	0	0
EIF6	1103	626	1429	1235	679	867
RBMY1E	0	0	0	0	0	0
PCDHGC4	13	6	38	22	23	19
GTF2A1L	0	0	0	0	0	0
MRPL20	1368	746	2223	1736	1007	1134
ARPIN	191	1016	2618	1237	2003	811
UGT1A10	0	0	0	0	0	9
SERPINB1(	31	53	160	22	73	72
HLA-DMB	6294	2710	8503	4947	5099	4268
DECR2	191	80	320	155	86	82
GNG10	856	1284	1198	745	555	634
CNTF	321	189	251	218	203	233
CCDC169	2	5	3	8	5	4
RTL5	317	155	486	429	243	158
AP5Z1	1946	1559	3251	2303	1770	1516
ZNF709	817	438	1054	793	429	657
STRC	53	0	34	34	34	35
RBMY1B	0	0	0	0	0	0
ERVW-1	2	0	6	3	3	0
EIF4EBP3	39	28	27	28	22	30
PRAMEF4	0	0	0	0	0	0
PSG11	0	0	0	0	0	0
UGT1A3	0	0	0	0	0	0
PSG4	0	0	0	0	0	0
MRPL33	221	163	381	287	230	243
MICAL3	3001	1888	3434	2230	2027	1955
PPAN-P2R	147	138	1172	403	0	0
PCDHAC2	0	0	0	0	0	0
STON1	609	408	811	585	802	494
PRAF2	169	164	341	253	152	184
VSIG8	0	5	2	3	0	0
STMP1	2360	1524	2894	2144	2854	2225
KCTD7	904	2048	2016	943	520	855
EFNA4	146	88	248	134	114	118
TICAM2	97	65	138	118	68	94
PALM2	2	0	0	0	0	0
C4orf48	34	33	44	18	6	33
NAA80	195	112	201	185	148	128
AMY2A	0	0	0	4	0	0
KRTAP10-	0	0	0	0	0	0
AL365232.	2	0	8	9	9	0
TNFRSF6B	3	1	1	3	20	0
WFDC6	0	0	0	0	0	0
UPK3B	64	26	92	53	40	53
SMIM34A	0	0	0	0	0	0
IL10RB	1911	2429	2487	3750	2466	1495
CFB	5	0	16	27	5	40
ZNF487	611	494	680	704	388	484

WDR92	527	257	563	500	317	477
NME2	1102	810	1905	1098	642	1136
AC006254	1453	373	769	978	1074	1029
PLA2G4B	471	243	702	487	337	398
LEFTY1	28	16	41	15	58	21
CFAP57	4	2	0	8	12	3
NPIPB5	28510	16160	34187	27965	19922	16138
TTC4	727	310	823	804	312	555
OR5V1	0	0	0	0	0	0
TMEM35B	460	210	556	419	357	324
KIR2DL3	121	115	208	454	87	207
JMJD7	123	93	163	168	156	120
APOBEC3D	1375	645	2325	1689	977	1433
OR2A7	259	13	318	89	120	42
TUBA4B	3	0	0	0	2	0
MRPS6	2102	789	2131	1713	909	1263
ZNF512	3372	1362	3350	2883	1814	2721
GSTA1	4	2	5	0	27	0
RTL9	0	0	0	0	10	5
ACY1	104	62	119	47	55	103
NFS1	926	544	999	698	698	721
MT1HL1	0	0	0	0	0	0
KRTAP19-	0	0	0	0	0	0
DDOST	4559	2304	5568	4925	3304	3219
TMEM199	406	313	798	572	364	362
LCE3C	0	0	0	0	0	0
GSTA2	0	0	0	0	0	0
SPRR2F	0	0	0	0	0	0
DNAJC25-	476	399	656	414	225	342
UGT1A7	0	0	0	0	0	2
P2RY11	346	404	343	187	181	310
TMEM141	352	169	361	337	199	188
TMEM225	55	13	91	35	13	31
GMCL2	0	0	0	0	2	0
IFITM10	55	64	144	85	51	31
AL645922.	41	3	17	24	19	0
DBNDD2	202	135	204	425	214	222
LY6G6D	0	2	6	3	1	0
KRTAP19-	0	0	0	0	0	0
RBMY1D	0	0	0	0	0	0
ETV5	71	35	83	76	36	43
KRTAP5-7	16	4	7	4	12	0
CFHR1	0	0	0	0	0	0
RBM12	1532	774	1517	1359	711	1146
UGT1A4	0	0	0	0	0	0
ERVFRD-1	4	0	19	5	0	8
LILRA6	1661	1669	2726	1356	1126	815
SCARF2	93	56	94	112	112	93
APOBEC3C	5326	2462	6525	5524	3535	3799
KRTAP4-2	0	0	0	0	0	0
RAD21L1	2	0	4	5	4	1
CCDC13	7	7	14	5	27	13
ASPRV1	168	328	162	172	126	63
OR2AE1	84	7	22	90	19	26
KRTAP20-	0	0	0	0	0	0
UBE2V1	4268	2503	5665	4444	2947	3341
CTAGE8	94	18	161	40	71	96
PTCHD4	0	0	0	0	0	0

C4A	217	92	244	185	112	136
HBB	16903	8551	27310	32519	11551	77878
CRYBB2	2	0	0	6	2	3
N4BP2L2	17336	13264	17997	13144	9401	11651
ZNF585B	933	814	1700	1788	461	1133
CEBPA	1229	690	1864	1300	814	980
H2AFJ	441	251	508	321	289	325
UBAP1L	1451	1229	2437	1860	1086	1830
PGAM5	966	509	1252	1129	558	778
ZCCHC3	1011	615	1549	1200	591	961
SPTY2D1O	32	11	30	14	10	15
TWF2	2200	1372	2661	2195	1357	1518
MARS2	725	513	1158	885	567	659
USP51	98	85	107	84	54	73
BCKDHA	688	336	918	662	612	673
INSL3	49	24	38	64	24	16
MARCOL	0	0	0	0	0	0
ADH1C	0	0	0	0	0	0
TRIM39-RI	0	0	0	0	0	0
AC037459	20	19	29	56	37	63
APELA	0	0	0	0	0	0
CDK11B	939	1044	1854	1374	732	649
PCDHAC1	0	0	2	3	0	0
TARM1	6	6	13	0	14	4
PRR5-ARH	28	34	79	60	10	10
POU5F2	3281	1826	3689	3399	1895	2658
PCP4L1	0	0	2	0	0	0
ABHD14A	127	42	140	149	49	106
TMEM110	2713	306	706	1094	2352	2333
RBM14-RE	1863	1398	2338	2760	1670	1680
LY75-CD3	140	94	365	187	78	115
AC079594	0	0	0	0	0	0
CCDC153	33	20	38	37	10	15
C4orf54	0	2	0	0	0	0
ACTN3	6	4	20	18	0	29
AC004997	27	26	212	119	11	9
AC187653	0	0	0	0	0	0
SMIM31	0	0	0	0	0	0
TNFSF12-T	0	0	0	0	0	379
FMN1	764	1195	3874	2403	1766	4070
ATP5MF-P	3	2	2	4	8	1
USP17L19	0	0	0	0	0	0
USP17L22	1	0	0	0	0	0
AL645941.	0	0	0	0	0	0
USP17L17	1	0	0	0	0	0
HAUS5	443	219	513	465	401	332
EPPIN-WF	0	0	0	0	0	0
AL159163.	136	0	8	84	0	0
TAF11L12	0	0	0	0	0	0
PCDHA11	4	0	0	2	0	0
AP000311.	5	3	1	0	1	0
ATP5MGL	80	55	140	76	44	31
AC069368	20	15	39	43	29	3
TMEM150	13	10	9	11	30	8
AC068533	0	0	44	0	24	48
NAIP	7217	4587	9988	6403	6525	5746
ZNF286B	299	194	393	232	135	303
ZNF324B	361	165	118	258	70	80

SPATS1	0	0	0	0	0	0
CLRN2	0	0	0	0	0	0
AC004832	2	0	2	1	7	0
AP000295.	385	1	308	131	53	0
LINC02218	20	72	58	0	9	2
THEGL	0	0	0	0	0	0
ZNF564	2566	1270	3132	2450	1512	1808
FER1L5	0	0	0	2	0	0
ECSCR	2	3	0	0	0	6
AC092647	0	26	7	3	0	0
USP17L21	0	0	0	0	0	0
HS3ST5	5	6	0	0	0	1
MTRNR2L5	0	0	0	0	0	0
LGALS16	0	0	0	0	0	0
RNF103-C	1	4	7	3	2	1
PDCD6	3672	2168	5188	4134	2487	2843
GOLGA8K	140	45	57	60	62	48
TERB1	24	2	9	12	9	9
AL355315.	0	0	0	0	0	0
TMEM158	86	113	86	69	205	151
C15orf38-	41	75	125	44	54	1
YJEFN3	239	16	191	200	23	69
PCDHA10	0	0	0	0	0	0
ARPC4-TT	347	227	583	490	288	279
PTTG2	96	116	207	131	84	131
AL669918.	18	0	1	62	1	0
GIMD1	0	0	0	0	0	0
TRMT9B	45	26	40	13	56	45
ZNF718	1160	943	1377	1676	801	690
SMIM20	329	94	380	107	158	247
AF241726.	0	0	0	0	0	0
GYPB	0	0	3	0	2	17
TUNAR	8	9	9	0	0	0
TRIM75P	0	0	0	0	0	0
KIAA1210	0	0	0	0	0	0
AC004691	0	0	1	0	0	0
CHCHD10	123	74	169	104	64	102
FAM218A	69	22	35	34	42	33
CDK3	111	62	127	108	113	85
GPR162	280	273	625	315	428	300
ATP6V1E2	420	150	482	322	216	285
GLI4	615	388	949	503	406	403
LY6G6F-LY	3	44	38	3	22	0
AC068580	191	194	400	225	334	157
REELD1	48	14	42	28	26	21
CCDC169-	0	0	0	0	0	0
AL672043.	1	0	0	0	0	0
SELENOP	29	8	53	60	27	41
NT5C1B-R	0	0	0	0	0	0
USP17L20	1	0	0	0	0	0
TAF11L14	0	0	0	0	0	0
PRODH2	0	0	0	0	0	0
AC010255	4	0	0	5	0	0
EXOC1L	0	0	0	0	0	0
USP17L18	0	0	0	0	0	0
USP17L23	1	0	0	0	0	0
AC083800	0	0	0	0	0	0
AL672142.	0	0	0	0	0	0

ZNF674	495	406	590	405	321	370
TMED7-TI	1361	524	1046	573	667	841
AL691442.	0	0	0	0	0	0
ZNF345	925	176	491	481	281	692
RFPL4B	0	0	0	0	0	0
ALG1L2	24	19	48	47	23	42
SHANK3	6	19	16	11	18	12
MSANTD3	70	66	0	0	39	0
AP000350.	0	0	0	0	0	0
ZNF550	1014	496	835	885	388	788
DCANP1	27	17	10	1	3	120
FOXD1	4	5	24	2	2	7
CENPS-CO	0	5	0	0	4	0
AC005324	0	0	15	0	46	30
AC093899	0	0	0	0	0	0
PRB1	0	0	0	0	0	0
PCDHA12	0	0	0	0	0	0
PTX4	29	0	17	35	17	22
OC90	0	0	0	0	0	0
RGS21	0	0	0	0	0	0
PCDHGA1.	41	28	41	35	16	50
C8orf88	20	36	43	28	12	49
SHLD3	304	183	463	450	237	221
CCDC71L	917	655	1163	842	722	572
HOXA10	21	22	37	45	16	24
TMEM200I	35	15	50	42	12	15
PCDHGB6	137	38	172	101	34	130
SERPINE3	9	5	9	2	2	3
C1orf210	0	5	0	3	0	0
TRNP1	18	3	40	22	41	34
SMIM18	0	0	0	0	0	2
PCDHGA5	69	13	32	46	21	75
NACA2	1	0	0	0	1	0
PCDHGA7	97	20	107	66	49	66
PYDC2	0	0	0	0	0	1
SLC10A5	71	23	44	36	37	52
EIF5AL1	241	85	244	217	139	151
PRSS51	3	3	5	3	3	0
ALG11	1632	940	2065	1954	1052	1185
ATXN7L3B	7115	4561	9946	9224	5326	5447
PRKDC	23215	11094	25244	21986	14058	16355
PCDHGA6	229	53	174	166	53	205
PCDHGA8	78	18	54	36	28	53
UTP14C	1783	842	1785	1736	90	1552
ETV3L	0	0	8	0	4	4
PCDHGA1(	123	24	125	154	47	94
PCDHGA1	60	22	77	55	42	63
PCDHGB2	108	37	85	24	34	72
PCDHGB4	94	0	41	70	54	109
CLDN23	30	10	84	36	23	18
ZNF260	1398	562	334	218	567	944
LYN	15896	15141	23499	14587	12521	11302
PINX1	359	222	429	367	220	313
PCDHGB7	65	26	95	41	20	54
CD8B2	62	13	34	75	25	23
NPIPB11	329	184	483	628	236	256
PCDHGB1	10	0	9	3	12	7
PCDHGA3	15	5	15	7	8	17

LRRC24	143	89	167	168	101	94
CHKB-CPT	697	403	1199	1272	406	164
SIGLEC14	0	0	1490	1116	2849	1720
PBOV1	0	0	0	0	0	0
HSPB2-C1	0	0	0	0	0	0
TMX2-CTN	0	8	17	17	0	6
OR4D10	0	0	0	0	0	0
AP002495.	503	279	568	449	303	416
AP5B1	3815	4178	7606	4651	3265	3101
CHMP4A	705	482	1223	713	529	627
SIGLEC12	4	52	155	44	38	43
PABPC4L	0	0	0	0	0	4
AL360181.	28	19	54	46	29	15
OMP	14	0	31	8	14	0
AL033529.	0	0	0	0	0	0
MAGEL2	0	0	0	0	0	0
CSNK2A3	476	244	418	497	321	466
ARMS2	4	0	0	2	0	0
INS	0	0	0	0	0	0
RTL1	0	0	0	0	0	0
AC110275	0	0	0	0	0	0
FPGT	1258	587	1134	905	863	1070
AL136295.	371	9	0	676	0	0
AL512785.	0	2	0	0	0	0
IGLL5	873	507	490	295	213	153
MEX3A	0	3	3	4	4	8
AP001931.	12	6	15	10	12	14
OR10G4	0	0	0	0	0	0
EEF1G	15151	12546	15833	22816	12490	18643
CKLF-CMT	36	45	51	68	0	60
SYS1-DBN	40	2	53	6	3	5
SLC22A18/	9	18	20	21	7	14
OR5M10	0	0	0	0	0	0
NPIPA2	62	8	26	116	7	5
MPV17L2	106	57	239	112	97	59
ATP6V1G2	0	0	9	0	0	0
BORCS8	842	484	1107	750	425	668
INMT-MIN	0	8	0	0	0	42
AP000781.	21	4	4	4	5	0
DPP3	924	374	1045	1021	617	629
STX16-NP	1130	698	2236	1062	1462	1197
ANKHD1-I	8624	3338	11077	8806	4666	7834
KRTAP5-9	3	0	1	4	6	0
BRK1	1826	1007	2164	1793	1515	1149
UBTFL1	4	0	0	0	0	0
OR5M1	0	0	0	0	0	0
AL020996.	17	0	17	31	13	11
SAA2-SAA	1	0	0	0	0	0
PIGY	2	3	2	2	2	2
ZFP91-CN	0	0	0	0	0	0
AC005324	1	2	2	1	11	4
CHMP1B	3785	3037	4995	3883	2945	2607
EID3	178	345	532	429	186	284
GLYATL1B	2	0	3	0	0	0
MSH5-SAP	183	71	237	197	230	147
HTD2	73	130	214	113	96	89
CCDC166	0	0	0	0	0	0
NANOGP8	7	6	5	6	0	5

CARD17	25	11	29	23	24	29
OR5M11	0	0	0	0	0	0
FXYD6-FX	0	0	0	0	0	0
PRR23D1	0	0	0	0	0	0
SMIM35	90	15	59	114	24	72
AL080251.	47	43	10	6	20	0
AP002884.	4	11	48	10	0	25
OR8G5	0	0	0	0	0	0
EID1	3281	1525	3135	2830	2104	2120
OR52B2	8	2	8	9	9	6
AL096711.	120	87	129	139	87	105
AL133352.	585	369	1043	829	567	539
NOX5	0	0	2	4	7	0
CCDC179	0	0	0	0	0	0
TAS2R43	149	127	445	346	215	1
PRR23D2	0	0	0	0	0	0
OOSP4B	0	3	0	0	0	0
HCAR3	284	1908	1597	395	354	132
PCDHA3	0	2	0	0	0	0
EBLN2	574	513	874	608	433	608
AP001458.	0	0	0	0	0	0
AC135050	0	0	8	0	0	0
CARD18	0	0	0	0	0	0
AP002990.	11154	6	6527	306	764	9
NPIPB8	70	34	74	116	29	43
NEDD8-M	30	0	0	0	0	0
POLR2M	2032	1068	1957	1653	964	1290
LY6G6E	5	5	0	9	12	4
FDXACB1	413	151	344	362	162	242
OR10G2	6	0	0	2	0	2
RAB44	614	405	1468	751	501	493
AC005833	0	0	2	10	16	13
AC068775	2	2	3	11	1	577
AP002373.	5	9	26	4	11	4
TRIL	10	0	7	16	3	4
OR4D2	0	0	0	0	0	0
AC011462	112	145	3	37	40	3
AC108488	8	7	17	6	7	8
OR6J1	0	0	8	0	3	0
KLRC4-KL	2311	285	1678	1730	790	2627
MTRNR2L8	3	0	1	0	0	0
TIFAB	191	37	222	355	330	87
AL117348.	0	0	0	0	0	0
TAS2R20	357	117	165	213	124	401
KDM4F	0	0	0	0	0	0
AC073610	0	0	0	0	0	0
AL138752.	8	8	20	15	7	21
CYP2A6	0	2	2	3	0	0
SNHG28	363	155	447	465	257	118
CTSO	2171	888	1917	2087	1367	1641
MTRNR2L1	0	0	0	0	0	0
APOPT1	679	231	619	544	488	350
TRAPPC2B	84	45	73	92	96	82
DNAAF4	7	8	4	5	7	16
ZNF432	1353	727	1297	1411	934	829
AP000721.	0	0	0	0	0	0
SMLR1	0	0	0	0	0	0
TAS2R30	1115	477	1023	1127	607	952

AC018523	6	0	28	12	0	11
MTRNR2L3	0	2	3	0	0	0
ZNF10	231	96	318	509	120	258
ZNF486	826	264	1023	578	309	484
SMIM3	540	651	1608	835	1782	763
HMBS	214	77	253	204	156	194
ZNF225	479	68	621	609	267	447
AP002748.	0	0	0	0	0	0
PPIAL4D	5	2	2	3	2	1
ASIC5	0	0	0	0	0	0
AL357673.	0	3	19	0	3	13
TAS2R31	529	203	494	350	229	503
DND1	101	29	94	101	71	57
SALL3	0	0	0	0	0	0
AL139300.	0	0	0	0	87	0
AP003419.	2	1	0	1	1	0
POLG2	1539	808	1709	1367	1081	1120
SMIM10L1	995	595	1078	982	640	760
AL049650.	0	0	30	0	0	0
OR13A1	21	10	15	7	22	28
AP003108.	1037	738	1538	1499	873	748
MTRNR2L1	0	0	0	0	0	0
AC010132	1	0	6	0	3	0
CLEC12B	753	262	387	459	365	347
LIMS4	429	279	764	355	770	292
ZNF350	1140	871	1558	1370	795	1002
PGA5	19	4	9	5	5	18
STH	0	2	0	0	0	2
ZNF253	1006	347	1007	772	401	759
KLRF2	5	3	0	6	14	7
C17orf100	72	15	52	40	19	60
CAPNS2	41	88	82	65	77	48
AC026786	0	0	0	0	0	0
AC048338	0	0	0	31	0	0
SLC5A8	0	0	0	0	0	0
MTRNR2L7	0	0	0	0	0	0
AC069503	32	49	94	50	24	70
AL513165.	121	0	15	0	0	8
LIMS3	5	0	17	0	0	15
KHDC1L	3	0	0	0	0	0
GPR142	7	2	2	4	2	0
HP	61	48	180	124	65	194
AC011604	0	0	0	0	0	0
C11orf97	0	0	0	0	0	0
AC022335	0	0	0	0	0	0
AL049844.	24	24	35	42	29	19
KIAA1147	10735	5769	12201	11010	5875	8366
LSM14A	5938	3379	7085	5855	3518	4409
NHLRC4	22	24	84	44	26	68
OR11H12	0	0	0	0	0	0
TAS2R38	1	0	0	4	0	0
AC004080	0	0	0	0	0	0
AC112229	0	0	1	0	0	0
GATC	1565	1254	2738	1862	1207	1475
ZBED6	3080	7801	6354	12866	8468	9870
MGAM	1591	6530	5953	1026	735	716
AL928654.	28	10	118	14	84	17
AC008770	0	2	0	0	0	0

FNTB	632	285	853	465	407	510
AC023055	21	17	141	22	29	11
AC034102	0	0	0	0	0	0
ZNF878	13	16	14	20	5	8
AL157935.	584	261	630	767	184	329
RPL36A-H	20	405	708	578	412	0
ZNF625	173	59	172	125	55	129
GALNT4	719	1256	2161	1010	1014	1397
INAFM1	247	133	337	169	140	168
CNPY2	698	296	562	482	322	518
MGAM2	42	181	232	20	12	11
AC002996	0	0	12	0	0	0
AC025165	30	1	0	43	10	14
CUX1	5808	4648	3958	7982	6522	5110
TEN1	11	7	224	20	19	13
P2RX5-TA	1610	994	953	711	1021	398
TEX49	0	0	0	0	0	0
AC025263	0	0	0	0	0	0
AC073612	0	0	0	0	0	0
OR9A4	0	0	0	0	0	0
MAP1LC3E	30	56	52	36	40	48
PRSS58	0	0	0	0	0	0
CLEC5A	184	192	484	232	184	641
CHURC1	2668	1401	2931	2400	1571	2097
BLOC1S1-	231	208	373	163	182	247
C17orf49	294	436	749	303	350	205
RTEL1	1028	510	1281	817	497	578
PPT2-EGFI	217	95	226	151	160	88
ZNF578	171	112	201	218	79	113
AC100868	0	0	0	0	0	0
PDF	148	82	145	86	34	48
RNASE12	0	0	0	0	0	0
OR11H2	0	0	0	0	0	0
AC012651	1014	626	1191	983	737	772
AL139011.	8	1	0	11	11	8
AL049779.	7	17	27	19	22	12
AC005726	252	114	270	171	202	209
SPESP1	0	7	12	11	1	5
AP001781.	0	0	0	1	0	11
AC068896	1009	404	1031	939	549	523
SPECC1L-A	26	2	132	183	5	123
TRIM6-TRI	0	0	0	0	0	0
BCL2L2-PA	30	20	148	35	4	3
SYNJ2BP-C	13	1	33	2	0	3
AC005520	48	54	249	59	37	69
TRIM34	1215	633	1221	1018	753	963
AC011448	122	44	57	140	52	35
AC022826	0	0	0	0	0	0
AL355102.	0	0	0	0	0	0
C20orf141	0	0	0	0	0	0
PINX1	0	0	0	0	0	0
AL162231.	0	6	0	0	0	0
AL121594.	2334	221	1335	1113	623	271
OR4C13	0	0	0	0	0	0
RNASE4	34	113	199	190	136	205
AC137834	0	0	0	0	15	0
MC1R	483	209	454	942	896	276
AC008575	0	0	0	1	1	1

DUXA	0	0	0	0	0	0
AC007040	25	2	10	18	19	57
CEP95	2255	1608	3375	2388	1870	1820
TUBB3	17	0	51	26	44	3
AL096870.	31	0	0	15	5	0
UBE2F-SC	31	25	47	23	80	30
TMEM179	0	0	0	0	0	0
AL355916.	11	13	16	16	10	5
TSPY1	0	0	0	0	0	0
TVP23C-C	28	74	213	370	94	109
FPGT-TNN	102	74	96	145	108	53
BLOC1S5-	0	0	0	0	0	0
AL163195.	0	0	0	3	0	0
AL110118.	9	5	8	8	4	7
POC1B-GA	31	11	190	91	1	10
NDUFC2-K	7	0	0	0	0	0
SMIM6	5	1	13	19	5	0
AL132780.	0	0	0	0	0	0
AC007375	1	0	0	0	0	2
AL163636.	131	0	0	0	0	0
ITGB3	18114	19023	22292	20194	62399	10926
SLC35G6	12	3	4	8	0	0
BUB1B-PA	0	0	1	0	1	0
ZHX1-C8o	251	111	193	210	116	240
AC087632	84	51	123	86	64	69
INAFM2	2221	2057	4327	2734	3752	1873
ST20-MTH	50	83	78	92	9	34
AL136295.	0	5	2	1	7	1
GH1	0	0	0	2	0	4
TGIF2-RAE	131	271	419	245	370	0
CTXND1	0	0	0	0	3	0
THTPA	1006	388	1482	1341	952	969
MRPL46	494	139	418	577	231	358
UBE2Q2L	3	1	7	7	5	7
AL136295.	417	228	486	554	354	225
AL136295.	2093	2769	4884	3618	2776	1377
BLID	4	0	0	0	0	0
AC136428	0	0	0	0	0	0
AC068234	0	0	0	0	0	0
AC093525	0	0	0	0	0	0
SLC22A31	5	0	14	5	0	4
LYPD8	4	0	9	0	0	4
AC026464	0	0	0	0	0	0
AL845331.	0	0	0	0	0	0
RBM15B	3671	1965	4466	3884	2347	2719
TGFBR3L	10	2	14	2	7	2
AC107871	218	169	344	332	165	182
HOXB7	0	4	17	20	4	0
AC009163	0	0	0	1	0	0
SPDYE6	13	9	47	6	7	4
AC090527	19	22	33	14	5	215
CCDC187	18	13	489	22	17	12
FRRS1L	0	0	0	0	0	0
AC020636	0	0	0	0	0	0
PMF1-BGL	7	38	230	122	45	9
AC093525	36	29	0	99	0	41
ARMH2	350	117	138	203	116	177
TBC1D3G	172	87	103	85	101	19

AC009119	229	78	222	225	139	115
MRC1	157	25	90	151	91	98
HSPB9	6	3	0	2	2	0
AC138811	0	0	0	0	0	584
AC026464	41	25	0	0	0	0
SCX	24	13	22	21	23	45
C16orf95	39	19	83	41	34	41
KCNJ18	0	0	0	0	0	0
AC012184	0	0	0	0	0	0
AL035425.	0	0	0	0	0	0
DUX4	0	0	0	0	0	0
AC092718	0	2	0	6	0	0
ANKRD20A	48	0	53	100	0	21
AC009690	273	53	70	95	165	37
TLE7	0	0	0	0	0	0
SERTM2	0	0	0	5	0	0
AC245033	0	0	0	0	0	0
AC010542	25	38	22	17	24	25
AL049634.	85	49	56	46	23	32
AC002310	0	0	0	0	0	0
XKR7	74	47	83	57	37	83
AC026464	0	0	0	0	0	0
CCPG1	3871	3164	5040	3391	3180	2927
SULT1A3	571	547	821	618	511	808
TMEM178I	26	12	44	10	13	26
AC140504	1	0	0	0	0	0
AC091167	4	0	0	23	41	15
EPPK1	1184	1007	1472	1219	455	764
CLEC19A	0	0	0	0	0	0
ZNF865	956	559	1296	938	617	560
BOP1	813	426	1056	851	551	506
GOLGA8T	74	5	2	56	0	13
MUC22	0	0	0	0	0	0
FIGNL2	143	65	158	58	69	53
AC010325	11	3	8	13	10	4
PECAM1	21284	15257	24313	17791	16389	13802
TEN1-CDK	631	255	401	492	279	398
TUBB8	0	0	0	0	0	0
AC002310	0	0	0	0	0	18
TP53TG3B	0	0	0	0	0	0
AL121753.	20	26	28	28	33	16
TMEM249	23	9	16	2	13	3
TPBGL	10	6	16	12	2	6
GAN	3214	929	3320	3222	1950	2444
AC010547	525	191	368	408	52	239
GOLGA6L7	5	0	0	0	0	0
C15orf65	2	2	0	0	0	0
LY6L	0	0	0	0	0	0
SCRT1	0	0	0	0	0	2
HPR	2	0	7	4	2	4
AC009163	1	3	1	4	1	1
AL031708.	80	77	154	138	87	121
GOLGA8S	37	21	26	42	12	33
BOLA2-SM	117	298	512	534	260	257
TCF24	0	0	0	0	0	0
AL929554.	0	0	0	0	0	0
GOLGA8H	43	28	38	31	34	32
ISY1-RAB4	0	286	0	0	0	0

AC138894	39	17	67	32	13	27
AC104151	0	0	0	0	0	2
MIA	31	8	21	32	14	2
SMIM36	0	2	0	0	0	0
AC040162	1374	915	1786	1499	1176	1019
AC026954	72	1	1	2	1	2
PCDHGA9	92	10	55	47	14	41
GFY	0	0	0	0	0	0
AC233723	4	0	0	0	0	4
MYMX	0	0	0	0	0	0
OCLM	241	181	418	293	224	168
PCDHGB3	131	47	70	59	32	52
CORO7	5968	4404	9455	6624	4846	5013
AC003688	0	0	0	0	0	0
AC027796	121	15	6	46	21	26
MMP12	0	0	0	0	0	0
TMEM256-	3	0	188	60	11	5
CCER2	7	6	11	10	11	9
AC120057	0	0	0	0	0	0
SMIM28	0	0	0	0	0	0
AC018512	0	0	15	0	0	0
PCDHGA4	33	0	44	76	24	30
AC025283	115	40	82	76	60	141
OR1D5	0	0	0	0	0	0
AC005670	46	14	101	99	67	24
SPON1	128	81	151	80	28	187
AC139530	0	5	0	0	0	0
OVCA2	113	110	160	69	51	72
AC104581	0	0	0	0	0	0
MRPL12	466	253	568	420	232	289
C19orf84	19	0	30	25	4	7
CCNQ	256	138	290	252	191	197
GTF2I	7287	4174	8558	6715	4443	5992
ZNF234	1483	394	1060	882	478	877
AL662899.	3	442	3	7	2	7
MYZAP	169	12	35	27	309	149
DPEP2NB	2	0	0	0	0	0
AC119396	4767	2797	5467	4143	2779	3885
PPIAL4A	32	1	11	4	11	3
TMEM238I	0	2	0	0	0	0
PPIAL4C	83	27	51	54	26	75
SRSF8	3445	1952	4005	3445	2407	2512
FAM72C	10	7	39	37	22	15
IKBKE	2395	1414	3507	2539	1874	2215
AC129492	5	0	0	1	1	0
MSMB	0	0	0	0	0	0
LINC0221(	64	59	135	80	84	96
GDF2	0	0	0	6	0	0
AC135178	0	0	2	0	1	0
LINC00672	673	306	507	572	310	393
NBPF11	3578	803	3054	1823	1819	2167
RHEX	205	96	141	138	113	118
AKR1C8P	63	32	59	28	27	31
AC073508	0	0	0	0	0	0
AC055811	4	5	3	6	9	3
ANXA8L1	0	0	0	0	0	31
AC006030	211	97	226	157	43	45
NOTCH2N	9240	4501	9140	7773	7788	5643

DYNLL2	3365	2215	4061	3773	2949	3044
MYH4	0	0	0	0	0	0
OTUD7B	1013	526	1335	1293	628	726
AL359922.	11	8	17	12	5	7
AC138696	152	0	0	0	0	0
NPY4R2	0	0	0	0	0	0
AC113554	0	0	1	0	1	0
GJA5	0	0	0	0	0	0
AC134669	42	34	58	32	3	67
ANXA8	0	0	5	0	0	15
RBP3	0	0	0	0	0	0
RBM8A	4205	2472	5064	4718	2780	3393
AC099850	0	0	0	0	0	0
TIMM23	601	401	857	625	411	443
RNF115	5645	2895	6450	5901	3977	4020
AP000275.	3	0	0	53	0	0
RPL17	3478	2365	4011	3677	3039	2839
AC074143	25	1	0	9	30	69
ZNF488	0	0	0	0	0	2
SEC22B	6638	4164	8478	6640	4742	5054
FSBP	264	33	271	212	46	194
EEF1E1-BL	0	0	0	13	0	0
TXNIP	145745	74188	140323	139858	70951	84443
SRGAP2	4679	1955	5713	4296	3711	2943
BAHCC1	344	204	498	343	352	270
AC004805	9	0	16	35	4	16
AC015813	238	162	294	213	151	155
RASSF5	2633	2289	3920	3125	1732	1823
STRADA	2531	1397	2940	2521	1812	1967
AC005697	0	0	3	0	0	0
KLF14	1	0	4	1	0	0
AC098850	1358	780	37	15	13	150
NBPF15	2189	1974	2191	1886	1146	1508
NCOA4	19033	19078	30237	19219	30556	16651
MRPS21	1098	586	1077	999	704	977
GDF10	18	0	2	16	14	5
MYO15B	9068	7562	11785	13173	6501	6117
AC015688	16	4	20	3	8	21
TBC1D29	16	8	41	8	22	3
AC011195	0	0	2	0	0	0
AC092073	8	0	0	7	0	0
FXYD1	7	6	4	9	11	4
AARSD1	462	275	361	490	310	422
AC090227	0	0	0	0	0	0
AC006538	0	0	1	0	7	0
AC067968	24	0	0	0	56	50
ZNF850	592	238	759	639	284	399
AC005943	0	0	25	34	3	0
PTGES3L	40	66	16	35	159	51
AC010327	0	0	0	0	0	0
AD000671	95	77	156	54	51	51
AC090360	25	4	15	15	12	10
AC007998	0	0	0	0	0	0
AC011499	6	0	0	0	0	0
AC005837	0	0	0	0	0	0
AC245748	1	1	1	0	0	0
AC008770	66	26	64	50	84	29
LCN6	0	2	0	0	0	0

AC020915	385	354	743	467	384	219
C17orf113	53	40	56	39	59	21
AC012254	1	2	0	0	1	8
AC099811	0	0	0	0	0	0
AC023509	309	146	326	336	269	203
AC011511	0	0	1	1	0	0
AC104532	0	0	0	5	1	1
AC005702	1	0	6	3	3	0
AC008687	0	0	0	0	0	0
AC012309	13	11	22	1	0	16
UPK3BL1	1260	156	3730	592	1946	254
AC011498	4	83	77	9	16	0
AC087289	77	26	134	126	19	69
APOC4	0	0	0	0	0	0
AC008481	0	0	0	0	0	0
ZNF285	172	46	57	131	26	59
S1PR2	214	186	394	321	173	297
AC005779	7	12	30	11	7	9
AC093227	8	3	5	4	0	3
AC093155	42	8	31	23	7	13
RAD51L3-	0	0	8	0	0	0
CGB1	0	0	0	0	0	0
AC105052	96	878	110	1586	60	1071
FDX2	60	81	133	72	56	18
ZNF224	2891	1313	3020	2654	1656	2274
LUZP6	1	1	1	1	1	1
AC091551	18	20	62	46	23	21
AC020922	0	0	0	0	0	0
EDDM13	11	2	19	12	2	3
AC024592	2	2	12	4	3	0
AC011479	0	0	0	0	0	12
SMIM22	2	0	6	3	0	0
LIN37	138	115	198	143	102	88
NDUFA7	144	91	213	177	98	129
AC243967	1	1	1	0	2	2
CCDC177	0	0	0	0	0	0
AC008878	0	0	0	0	0	0
MAGEA9B	0	0	0	0	0	0
SSX4	0	0	0	0	0	0
AC010616	142	88	139	103	51	65
NBPF12	6893	3876	10365	7339	7107	4728
AC008982	0	51	0	0	60	0
GABRQ	0	0	0	0	0	0
SLC6A14	0	0	0	0	0	0
AC003005	0	0	1	0	0	0
AC003002	0	0	0	0	0	0
AC004076	9	9	2	20	17	18
AC007192	688	160	2	0	5912	1
SMIM17	5	0	0	10	10	4
AC002985	0	2	2	0	12	0
OPN1MW	0	0	0	0	0	0
ARL14EPL	0	0	0	2	5	0
TCP11X1	0	0	0	0	0	0
AC090004	83	121	143	124	64	84
SCGB1C2	11	0	18	0	13	15
FAM156A	762	667	663	583	1022	988
L34079.1	0	0	0	0	0	0
AC008763	11	16	22	34	16	11

AC011530	1	3	4	1	1	1
SSX2B	0	0	0	0	0	0
AC008403	0	0	0	0	0	0
AC018755	0	0	0	1	2	1
AC003002	5	4	10	8	15	35
MAGEA2	0	0	0	0	0	0
AC008878	1	1	4	21	7	17
TEX13A	0	0	0	0	0	0
AC006486	0	0	1	1	0	0
CTAG1A	0	0	0	0	0	0
AC008687	4	7	3	16	4	4
AC213203	0	0	0	0	0	0
ZNF723	0	0	0	0	0	0
HSFX2	24	6	24	0	26	19
AC008758	92	48	67	82	54	85
AC010522	58	38	66	1	97	11
AC008764	10	3	6	6	1	2
AC008537	8	0	3	0	2	5
AC106774	0	0	0	0	0	0
AC008878	1624	798	1630	1495	941	1147
AC008758	0	0	0	0	0	0
CSAG2	0	0	0	0	0	0
CSAG3	0	0	0	0	0	0
CT45A1	0	0	0	0	0	0
ERVV-2	0	0	0	0	0	0
MIA-RAB4	83	4	80	32	31	47
SPANXN2	0	0	0	0	0	0
FAM236B	0	0	0	0	0	0
AC003006	18	0	26	0	0	0
MTRNR2L1	0	0	0	0	0	0
AC010319	0	0	0	0	0	0
CALR3	0	0	0	0	0	0
ZNF728	0	0	0	0	0	0
AC010646	0	0	0	0	0	0
CT45A3	0	0	0	0	0	0
TRABD2B	0	0	0	0	0	0
AC011452	0	0	0	1	2	0
FBXO17	0	2	3	0	4	0
TMSB15B	122	0	144	123	44	67
AC010615	1	0	2	0	2	0
AC010422	1220	585	1309	892	666	911
AC010463	0	0	1	0	0	0
MAGIX	47	36	97	22	59	46
IKBKG	1098	495	1611	1220	983	872
ZNF587B	1946	1422	3420	2141	1620	1569
AC008750	26	18	75	104	18	0
SPIB	449	285	1234	166	1415	734
NXF2	0	0	0	0	0	0
OPN1MW3	0	0	0	0	0	0
NXF2B	0	0	0	0	0	0
H3.Y	0	0	0	0	0	0
AC010619	0	0	7	0	2	0
AC010326	33	0	0	40	42	0
DMRTC1	0	0	0	2	5	5
ERVV-1	0	3	0	0	0	0
AC003002	24	3	9	2	10	7
AC011455	0	0	0	0	0	0
TMEM185A	863	487	1369	905	1103	582

CT45A10	0	0	0	0	0	0
AC010422	0	0	0	0	0	0
AC010422	103	44	134	129	51	43
ZIM2	0	0	0	0	0	0
AC008763	0	239	461	330	0	0
NBPF9	3419	1079	3374	2811	2379	1582
CCDC194	37	29	57	47	43	44
AC011473	0	0	0	0	0	0
SLC25A53	723	296	857	801	373	606
AC008758	3	4	9	11	7	5
SSX4B	0	0	0	0	0	0
RNF225	0	0	4	5	1	0
EGLN2	3397	3960	4460	3878	1901	3508
AC004754	28	2	1	343	144	4
ARHGAP1	48	25	46	20	8	9
COMMD3	0	0	0	29	0	0
C7orf55-L	0	0	0	0	0	43
MEI4	2	0	0	13	0	4
ZNF559-Z	81	105	65	125	91	88
AL365273.	0	7	28	0	21	15
TSNAX-DI	65	117	46	29	65	33
MINOS1-N	3	7	1	1	6	6
AL591806.	7	10	21	1	25	2
AC004233	0	0	0	0	0	0
NCBP2-AS	333	272	449	405	269	175
BIVM-ERC	2461	1714	3338	0	1651	2466
MTRNR2L1	0	0	0	0	0	0
AC093668	0	0	45	0	56	1
HIST2H4B	349	240	755	427	456	377
AL121758.	0	0	0	0	0	0
BORCS7-A	233	93	104	0	64	152
AC243756	85	15	77	86	6	61
HEATR9	221	65	377	363	143	160
MTRNR2L1	0	0	0	0	0	0
PRAMEF5	0	0	0	0	0	0
URGCP-M	3	0	0	0	0	0
NBPF14	5147	5382	9550	9664	8189	6585
TAF15	3677	2226	4617	3631	2371	3067
MTRNR2L6	0	0	0	0	0	0
HSPE1-MC	0	0	0	0	0	0
GAS2L2	4	5	7	0	4	4
RPS10-NU	1095	75	14	5	32	37
C17orf50	2	0	2	0	0	0
HIST2H4A	383	450	730	341	439	197
RASL10B	42	11	11	28	37	121
GPR75-AS	43	26	48	38	29	38
CT45A9	0	0	0	0	0	0
CTAGE15	138	38	186	48	84	132
TMEM56-I	2	10	233	10	70	133
AC240274	1624	457	1203	1499	715	638
UGT2A2	0	0	0	0	0	0
SRXN1	1307	1114	1913	1627	866	942
CTAGE6	177	71	261	63	124	144
NBPF19	26062	14797	29161	27220	21036	19584
NBPF10	8078	3988	6371	5165	5521	3760
MMP28	114	21	96	83	30	35
CT45A2	0	0	0	0	0	0
CCL5	4133	2606	7729	6684	4026	4005

PPIAL4E	38	8	14	13	7	7
LIX1L	4144	2100	4758	4151	2107	3183
MILR1	781	336	1207	636	641	619
AC233992	2	9	10	8	4	6
MROH7-T	49	117	115	3	146	20
AC114490	285	103	145	212	100	204
AL589666.	58	40	141	57	12	20
AL603832.	0	0	5	4	1	0
SMIM32	4	0	0	0	0	0
AC093423	0	0	0	0	0	0
ANKRD34A	102	43	85	101	50	20
GTF2H5	516	296	614	531	371	440
Z84492.1	13	8	9	10	9	8
AL024498.	0	0	8	0	0	0
HIST2H2A	1563	1415	2570	1741	1415	1256
AC018709	0	0	0	0	0	0
AC096887	107	40	74	94	46	77
NUDT3	13957	6825	15855	13070	10969	10282
KMT2B	5259	3965	7686	5255	3711	3985
POM121C	4774	2938	5812	4955	3053	3490
CD24	1198	696	1515	722	1089	1125
AC022384	161	86	217	749	108	636
FAM47E-S	0	0	1	1	0	1
AL353588.	0	0	0	0	0	0
CFAP206	3	3	4	7	17	5
MUSTN1	145	146	19	16	80	203
ZNF595	632	529	1013	1279	527	248
AC026464	0	69	0	0	0	0
DOC2B	17	14	143	26	50	11
AC005020	0	0	0	0	0	0
PCDHB16	0	0	0	0	0	0
AC069257	0	0	0	0	0	0
AC104109	5	0	0	0	0	0
KRTAP10-	0	0	0	0	0	0
AC073610	11	0	8	9	2	6
DCP1A	3609	2102	4450	3855	2445	2662
AL355987.	0	0	5	10	0	0
AL109827.	0	0	0	0	0	0
ATP6V1FN	62	55	96	69	67	51
AC022400	1101	832	1735	1279	1074	997
AC005832	13	2	30	11	1	8
AC093668	398	27	108	0	36	66
RBAK-RBA	129	40	83	115	47	73
ARL2-SNX	0	4	0	0	7	0
AC009690	0	0	0	0	0	0
C2orf15	48	42	39	49	22	37
AL121845.	0	1	0	2	0	0
AC012531	0	0	0	0	0	0
GRIN2B	0	0	18	0	0	0
AL713999.	0	1	0	0	0	0
LYPD4	0	0	3	0	0	0
NBPF26	6431	1677	8922	4150	5048	4436
AL121845.	292	98	411	234	222	153
AC092587	13	15	14	13	8	10
AL359736.	0	0	0	0	0	0
AC002094	5	2	0	0	0	2
SNURF	246	135	264	275	151	182
AC008695	0	0	0	0	0	0

TMEM271	0	0	0	0	0	0
AL049839.	0	0	0	0	0	0
AC073283	7	0	4	12	0	7
ZBTB8B	0	0	0	0	0	0
AC092042	0	0	0	0	2	0
C1QTNF3-	76	111	72	30	18	25
TM4SF19-	37	32	45	29	11	15
AC017083	5	5	7	3	5	4
AC011841	0	2	0	0	0	0
TBC1D3K	40	0	0	40	21	24
FOXD4L6	1	2	0	4	0	0
AGBL1	0	2	352	0	0	1
HIST1H4K	485	232	408	601	209	276
AC136616	0	0	0	0	0	0
CWC25	1176	1936	2826	1882	1131	1102
SMIM11B	268	123	244	254	117	224
EPOP	51	10	43	55	29	16
ZNHIT3	594	548	1230	886	450	614
CT45A7	0	0	0	0	0	0
HIST1H2BI	29	31	54	20	43	34
LHX1	0	0	0	0	0	0
AC005258	0	0	0	0	0	0
AL592183.	162	59	189	152	33	118
CYFIP1	3730	1636	4009	3195	3046	2836
CEACAM2	0	0	0	0	0	0
HIST1H2BC	384	280	510	431	600	255
USP27X	133	105	201	126	62	46
TAF9	635	228	1118	817	467	544
NOL12	785	399	966	871	511	608
GOLGA6L1	0	0	0	0	0	0
HIST1H3G	145	98	224	150	117	65
INO80B-W	345	0	0	245	0	0
AL449266.	0	1	0	1	0	0
CASTOR2	164	148	294	177	146	109
OR4M2	0	0	0	0	0	0
AC133551	0	0	0	0	0	0
NATD1	1088	1190	1990	1082	686	966
H2AFB1	9	2	13	2	5	3
ANTXRL	0	0	0	0	0	0
SOCS7	1977	1077	2306	2174	1438	1448
TBC1D3H	0	0	0	2	6	53
GGTLC3	2	0	0	0	0	3
HIST1H3B	189	148	265	165	183	127
GAGE13	0	0	0	0	0	0
CBSL	0	16	0	0	0	0
ADRA2B	5	17	21	18	10	0
HIST1H2BE	211	139	318	205	230	174
AL136531.	38	23	37	23	33	26
ZNF658	429	90	388	251	113	319
TMEM269	23	16	32	16	32	15
TPTE	0	0	0	0	0	0
TBC1D3D	250	206	365	355	175	187
C8orf89	4	0	0	0	0	0
TBC1D3L	210	62	210	69	120	84
RCC1L	1294	668	1439	1321	797	923
SEBOX	0	0	7	3	3	0
H2BFS	3	3	2	2	3	3
DGKK	320	69	1040	276	73	41

RIMBP3B	90	67	77	122	28	116
TBC1D3	0	0	3	0	15	5
HIST1H4F	1054	633	1917	1325	709	1012
HIST1H2BC	199	126	389	223	252	191
CCL23	0	2	0	0	0	0
ELOA3D	1	0	1	0	0	2
KRTAP7-1	0	0	0	0	0	0
HIST1H3E	153	59	82	137	140	108
PRAMEF27	0	0	0	0	0	0
F8A2	127	75	240	169	84	106
AC171558	0	0	0	0	0	0
TBC1D3B	12	3	8	15	26	4
NPHP3-AC	233	199	911	854	266	313
MAFIP	2	31	78	1	0	7
AC068790	6	1	4	8	1	0
PANO1	46	16	19	26	31	11
TBC1D3I	7	58	8	4	63	10
GJA9-MYC	0	0	0	1	0	0
HIST1H2AI	50	57	122	45	57	27
ZNF280B	270	103	318	267	162	178
MLLT6	22552	13275	30830	26575	13920	17145
TP53TG3E	0	0	0	0	0	0
PPP4R3B	9888	5937	11617	10326	6173	7822
AC233755	15	0	6	32	22	7
SYNRG	13676	6653	15499	13463	7750	10188
NUDT18	594	233	680	482	256	411
ZNF2	279	156	324	288	147	230
GAGE2E	0	0	0	0	0	0
HIST1H4L	9	24	27	12	10	28
CCL16	0	0	0	0	0	0
AC117457	0	0	0	0	0	0
LENG9	109	51	102	75	28	65
HIST1H2AI	107	89	215	193	140	90
AC171558	0	0	0	0	0	0
CCL4	1674	1613	4443	1966	1593	666
PRAG1	1547	712	1524	1334	660	1097
C7orf77	0	0	0	0	0	0
HIST1H3I	107	61	134	84	42	79
CCL18	0	7	0	0	5	0
FCGBP	4244	2149	5577	3576	2413	2117
HNF1B	0	3	0	5	0	0
FP565260.	1496	436	1775	1983	695	336
C17orf98	0	0	4	0	0	0
FAM236A	0	0	0	0	0	0
ELOA3C	6	0	1	0	0	1
GRIFIN	3	0	6	5	5	5
XKR5	0	2	15	2	0	0
HIST1H4G	0	0	0	0	0	0
AC091167	1	0	2	0	0	0
CCL15-CC	0	0	0	0	0	0
AATF	2101	1476	2924	2209	1540	1498
HIST1H2BH	201	181	440	167	367	165
HIST1H3A	204	244	329	359	194	136
CCL15	0	0	0	0	0	0
LYZL6	7	0	0	3	0	0
AC091959	92	21	87	44	38	111
HNRNPCL1	0	0	0	0	0	0
PRH1-PRR	190	52	59	84	86	96

RIMBP3	229	86	192	128	62	231
ARHGAP2	51	29	44	27	49	27
TUBGCP5	1436	582	1722	1339	923	1173
AC136612	0	0	3	0	9	0
U2AF1L5	3823	4945	11961	6989	4357	3473
PRSS2	2	0	1	3	4	6
TBC1D3F	0	4	15	39	16	2
SPATA31A	0	0	0	0	0	0
SIK1B	1360	1442	1460	2722	1460	776
AC007325	2	0	0	0	0	0
DUSP14	162	69	157	180	60	105
SPATA31A	0	0	0	0	0	0
UHRF1	138	71	182	125	99	85
ORAI1	614	880	764	1669	1161	1142
CCL4L2	151	247	1072	204	191	187
CRYAA2	0	0	0	0	0	0
CCL3L1	445	1259	2636	70	671	157
AC008073	17	19	18	19	20	24
OR13C2	0	0	0	5	0	1
HIST1H4I	194	124	254	200	196	167
ANKRD20A	37	0	58	87	15	36
PIK3R6	438	242	435	408	349	332
TADA2A	1168	362	648	660	351	700
OR4E1	5	6	0	5	3	2
AC011043	63	57	74	68	28	138
KCNE1B	27	32	113	53	37	55
PIP4K2B	5596	2790	5866	5175	3121	3783
AL021997.	0	0	0	7	0	0
AC004556	311	102	38	289	104	114
HIST1H2A.	150	123	283	175	149	119
CCL14	0	0	6	3	0	0
HIST1H2BE	13	44	88	47	14	26
AC036214	109	10	17	77	62	50
FAM25C	0	0	0	0	0	0
AL583836.	0	0	0	0	0	0
PCDHGB5	84	11	143	45	29	75
SPATA31A	0	0	0	0	0	0
RAB7B	22	12	16	15	16	18
FP565260.	0	0	1	8	0	0
DACH1	54	100	129	105	107	95
PADI6	9	37	79	0	2	0
AC136352	0	0	0	0	0	0
HIST1H2AI	15	2	37	17	9	10
GSTT4	0	0	0	0	0	0
HIST1H4E	589	363	662	620	515	561
HNRNPCL1	0	0	0	0	0	0
HIST1H2AI	474	360	688	536	369	376
FP565260.	422	245	680	446	102	305
TYW1B	579	405	867	652	414	496
F8A3	155	94	331	240	63	133
HIST1H4D	489	324	652	527	332	441
PIGW	420	124	391	372	170	147
AC007325	0	0	0	0	0	0
F8A1	407	287	389	419	292	374
HIST1H2BF	169	276	456	190	359	224
PCGF2	12	0	20	9	13	12
FAM243B	1	1	2	6	5	2
C10orf142	0	0	0	0	0	0

GOLGA6L6	0	0	0	0	0	0
SRCIN1	6	2	30	2	0	8
GPR179	2	0	8	3	0	7
AC145212	110	61	132	0	0	64
MARCKS	5631	4748	9304	5307	4556	3070
ZNF670	209	111	231	210	110	133
AC213203	0	0	0	0	0	0
PKD1L3	4	12	4	5	7	3
GPIHBP1	0	0	0	0	0	0
PNMA8C	0	2	0	0	2	0
AL772284.	0	0	0	0	0	0
OR13C5	0	0	2	7	1	3
NEFL	46	8	59	62	55	84
Z98752.3	2	0	0	0	0	0
BX072566.	0	0	0	0	0	0
CCL3	228	948	4694	652	1867	141
AC007906	2	0	0	0	4	0
AC136352	0	0	0	0	0	0
AC009086	0	0	0	0	0	0
AL109811.	234	68	209	201	115	217
H2AFB3	8	5	10	3	9	6
FO681492	6	1	6	13	4	2
AC136616	0	0	0	0	0	0
HIST1H3F	206	122	386	245	206	138
PSMB3	1954	1193	2255	1882	1259	1358
AC141272	0	0	0	0	0	0
AC233755	0	0	2	6	8	3
H2AFB2	7	5	8	1	6	6
GOLGA6L2	0	0	0	0	0	0
SRD5A2	0	0	0	0	0	3
OR52E5	0	0	0	0	0	0
SENP3-EIF	108	123	729	1187	188	116
AC007731	115	56	98	60	48	71
CISD3	265	167	386	356	163	244
RDM1	14	0	12	9	2	6
DDX52	2585	1508	3441	2785	1762	1910
TEX28	0	0	0	0	0	0
CT45A8	0	0	0	0	0	0
ZNF8	1922	1082	2081	1692	756	1334
AL358075.	0	0	0	0	0	0
SSTR3	191	120	233	149	92	165
AC011043	5	0	0	0	0	6
PRICKLE4	22	7	24	14	7	13
MYO19	1973	1309	2732	2265	1554	1447
HIST1H3C	92	39	72	68	48	65
CT45A6	0	0	0	0	0	0
TBC1D3C	2	0	13	0	39	12
GGNBP2	5918	4048	8534	6296	4128	4959
ZNF229	112	86	47	77	41	72
AL354822.	265	363	260	111	29	136
HIST1H2A	58	10	89	74	47	34
AC018554	0	0	0	0	0	0
AC009336	0	0	0	0	0	0
C17orf78	0	0	2	0	2	0
POTEB3	0	0	0	0	0	0
DHRS11	117	76	165	140	83	118
ACACA	3311	1444	3568	3174	2602	2246
TMEM191	62	23	89	59	22	35

NR2E3	0	0	0	0	0	0
HIST1H2BI	234	174	234	247	119	154
TBC1D3E	178	46	203	149	51	287
C11orf98	47	77	37	113	29	83
MRM1	317	110	235	205	137	175
AC023491	0	0	0	0	0	0
HIST1H4A	137	106	262	189	127	113
AC008162	0	0	0	0	0	0
GOLGA6L1	103	24	98	101	67	43
ELOA3B	1	0	3	0	0	2
HIST1H2A	506	285	695	471	344	336
IQCA1L	9	1	3	4	0	3
BX004987.	3	0	3	1	0	1
HIST1H4B	592	438	782	546	434	546
AC136616	0	0	0	0	0	0
AC007325	37	12	42	27	28	29
HIST1H3H	877	799	2588	1092	2785	1107
MRPL45	793	380	783	681	447	508
TP53TG3F	0	0	0	0	0	0
OR51G1	0	0	0	0	0	0
OR2S2	0	0	0	0	0	0
SMIM34B	0	0	0	0	0	0
OR10A6	0	0	0	0	0	0
OR51B2	1	3	3	0	0	0
OR6Q1	0	0	0	0	0	0
AL807752.	5	0	0	0	0	0
OR10X1	0	0	0	0	0	0
OR8D2	0	0	0	0	0	0
PRAMEF13	0	0	0	0	0	0
OR2L8	4	12	5	51	0	45
OR52R1	0	0	0	0	0	0
OR2T11	64	14	27	5	14	28
OR5L1	0	0	0	0	0	0
AC135068	0	0	0	0	0	0
OR2AG1	2	0	2	2	0	0
FP565260.4	0	0	0	0	0	0
OR4C16	0	0	0	0	0	0
AC142391	0	0	0	0	0	0
OR5D13	0	0	0	0	0	0
AC013394	2635	2211	3952	2736	2146	2431
PPIAL4F	28	6	9	10	4	4
PRAMEF18	0	0	0	0	0	0
AC073082	0	0	0	0	0	0
OR5R1	0	0	0	0	0	0
GVQW2	21	18	46	35	16	23
AC244517	0	0	0	0	0	0
OR51F1	0	0	0	0	0	0
GATD3B	1605	194	895	1467	702	646
OR8B4	0	0	0	0	0	0
OR1B1	2	3	7	3	0	0
AL049844.	8	0	0	0	0	0
PCDH20	0	0	0	0	0	0
OR1S1	0	0	0	0	0	0
OR12D2	0	0	0	0	0	0
PRAMEF26	0	0	0	0	0	0
OR8K3	0	0	0	0	0	0
FP565260.(	3229	1569	3489	3588	1809	2009
AC068946	66	17	103	40	1	36

AC006059	44	32	59	33	22	23
CCDC163	176	39	191	220	34	53
LINC02203	0	0	0	0	0	0
AC243547	13	21	33	24	7	13
PAGR1	660	365	863	605	387	582
AC009133	0	0	0	0	0	0
RPS4Y2	0	0	2	0	0	0
MATR3	2260	65	134	73	6555	61
AC104662	50	8	9	8	0	12
AC005154	217	67	206	158	102	194
TMEM272	23	16	139	17	8	15
AC120114	25	17	62	60	61	0
AC006978	35	20	45	36	25	30
AL365214.	0	0	0	0	0	0
AL512506.	8	4	6	16	5	12
GIMAP1-G	0	0	0	0	0	0
AC026398	40	4	100	96	40	112
TMEM265	13	16	26	26	25	16
AC106886	1281	401	2517	949	950	515
AL132671.	0	0	0	0	0	0
AL157392.	683	297	554	429	246	420
AC058822	0	0	0	0	0	0
CYP3A7-C	0	0	0	0	0	0
TEX13D	2	5	4	0	3	8
ADORA3	37	17	50	80	26	41
DUXB	4	0	2	0	0	0
AL512428.	0	0	0	0	24	0
TEX13C	0	0	0	0	0	0
C1orf232	0	0	0	0	0	0
AL136373.	0	0	0	0	0	0
AL031777.	128	129	178	77	214	131
KLF18	0	0	0	0	0	0
LBHD2	0	0	0	0	0	0
AC010487	0	0	0	0	0	0
CENPVL2	0	0	0	0	0	0
AC068631	9	7	9	0	3	12
IQCJ-SCHI	0	11	9	16	2	0
AC104452	765	296	753	634	443	548
C13orf46	797	315	1229	1037	511	485
AC092329	99	72	188	116	98	110
AL353572.	0	0	0	0	0	0
AC001226	75	44	94	47	34	37
SPRR5	0	0	0	0	0	0
AC068547	1	0	4	2	0	0
KBTBD11-	0	0	0	154	265	54
AC096582	0	0	0	0	0	0
FAM237B	2	0	0	0	0	0
TEX54	0	6	0	0	1	0
SMIM33	14	4	4	11	18	12
TEX52	7	8	12	2	2	16
AC019117	0	0	0	0	0	0
CTXND2	0	0	0	0	0	0
FAM240B	0	0	0	0	0	0
CFAP97D2	65	16	110	304	30	68
CNTNAP3(	46	481	196	0	0	9
CCDC195	0	0	0	0	0	0
CSNKA2IP	0	0	0	0	0	0
SPEM3	0	0	0	0	0	0

HSFX4	0	0	0	0	0	0
FAM240A	0	0	0	0	0	0
FAM95C	97	26	59	91	71	73
ZNF511-P	4	1	0	2	1	0
AC020915	41	48	76	45	38	40
AC022167	0	0	0	0	0	0
PRRT1B	2	0	4	6	3	0
TCAF2C	73	26	151	58	82	62
AC021072	0	0	0	0	0	0
AC098650	0	3	4	19	5	8
C19orf85	0	0	0	0	0	0
AC098484	57	13	17	56	68	29
FAM236C	0	0	0	0	0	0
FAM169B	7	2	21	0	0	2
BX276092.	0	0	0	5	0	4
EXOC3L2	15	14	17	4	25	0
ETDC	0	1	0	0	0	0
LMLN2	0	0	0	0	0	0
AC008687	0	0	0	0	0	0
MYOCOS	16	0	0	4	1	11
HSFX3	6	0	0	0	0	0
VSIG10L2	0	0	0	0	0	0
PRSS50	0	0	0	0	0	0
TAF11L11	0	0	0	0	0	0
CPHXL	0	0	0	0	0	0
PMIS2	0	0	0	0	0	0
AC118553	732	930	2330	2041	1464	1017
AC131160	389	14	434	563	334	338
TAF11L13	0	0	0	0	0	0
AC116366	1712	733	1807	1139	1282	1392
PRR33	181	139	420	179	69	108
AC007326	15	5	14	7	3	10
SSU72P4	0	0	0	0	0	0
AC104304	0	0	0	0	0	0
TPTEP2-CS	93	55	145	45	80	64
AL117339.	196	98	208	207	120	223
AL121722.	0	0	0	0	0	0
AC092017	0	0	0	0	0	0
TAF11L8	0	0	0	0	0	0
AC084337	0	0	12	26	2	0
GNG14	0	0	0	3	0	2
TAF11L9	1	0	5	0	0	0
SLURP2	0	0	0	0	0	0
SSU72P5	0	0	0	0	0	0
HSPA14	709	737	1550	1348	606	1009
AC073111	0	0	0	0	2	7
TAF11L6	0	1	0	0	0	0
AP001273.	0	0	0	0	0	0
AL451007.	0	0	0	2	0	0
SCO2	167	0	350	0	211	401
TAF11L5	0	1	0	0	1	0
TAF11L4	0	1	0	0	0	0
AC004922	86	27	230	164	41	118
AL590132.	2	0	0	0	0	2
SSU72P2	0	0	0	0	0	0
C2orf81	76	39	142	75	50	60
LIMS3-LO	0	0	0	0	11	9
AL807752.	2	8	0	0	3	7

TAF11L10	1	1	1	0	0	0
TAF11L2	7	7	7	0	2	0
AC092111.	1	0	0	0	0	0
AL032819.	0	2	4	13	0	2
AL022238.	160	32	415	238	218	260
SSU72P7	0	0	0	0	0	0
TAF11L3	0	1	0	0	0	0
AC027644.	432	52	810	79	21	32
TAF11L7	1	0	1	0	0	0
AC009477.	4	0	0	0	0	0
AC025287.	2	0	2	0	0	0
THSD8	0	1	2	6	3	0
LYNX1-SL	8	0	0	1	0	3
AC092718.	0	5	3	11	6	4
AC015802.	49	216	191	99	90	51
SSU72P3	1	0	0	0	0	0
AL022318.	0	0	0	0	0	0
OR8B3	0	0	0	0	0	0
AC091167.	6	0	12	23	8	3
SCYGR1	0	0	0	0	0	0
SCYGR4	0	0	3	0	5	0
SCYGR8	0	0	0	0	0	0
AC005551.	0	0	0	0	0	0
SCYGR2	0	0	0	0	0	0
OR4F16	12	4	4	17	12	10
SCYGR5	0	0	0	0	0	0
AC109583.	6	0	0	2	0	0
OR8B2	0	0	0	0	0	0
AC007240.	96	10	157	95	46	54
AC092442.	0	0	0	0	0	0
AC119674.	0	0	0	8	1	4
AC073111.	256	430	1111	851	426	195
AC108941.	0	0	0	0	0	0
TMEM247	0	0	0	0	0	0
SCYGR3	0	0	0	0	0	0
AP003071.	30	23	33	7	24	27
SCYGR7	0	0	0	0	0	0
OR8S1	0	0	0	0	0	0
SCYGR6	0	0	0	0	0	0
AC068987.	4	8	8	6	8	2
AP002512.	0	0	0	0	0	0
OR4F29	12	4	4	16	11	7
PDE11A	0	0	0	0	0	0
EEF1AKMT	61	31	75	54	43	61
AL049557.	133	0	192	0	0	0
AC022414.	31	13	0	39	0	19
TBCE	1182	580	1370	1115	674	881
AC011330.	0	0	0	0	2	0
AC114490.	662	228	564	460	268	442
AL121900.	0	0	0	0	0	0
IGF2	0	0	0	0	0	0
OR7E47P	4	0	0	0	0	0
AC008397.	0	0	6	0	0	0
AC235565.	0	0	0	0	0	0
AC068946.	73	25	133	91	85	28
GCSAML-A	0	0	0	0	0	0
AC006518.	0	0	0	0	0	0
AP000812.	0	0	0	0	5	0

CCDC39	6	0	3	0	0	5
OOSP1	1	0	0	0	2	3
SEPT5-GP1	43	34	162	345	241	337
AC119676	1	1	1	1	1	1
AC091057	132	64	140	125	130	137
EEF1AKMT	0	0	0	0	0	0
AP000812.	0	0	0	0	0	0
AC104389	71	70	183	192	1064	155
DIABLO	12	61	75	72	28	117
AC068831	432	397	812	451	235	254
AC104472	56	35	94	75	33	54
AC107959	0	0	0	0	0	0
AL049629.	0	1	1	2	0	2
BX255925.	653	375	925	577	638	435
AC093668	727	40	69	1309	400	140
U52112.1	17	18	27	14	10	18
AL451062.	60	25	47	72	139	33
AC008581	4	0	0	0	2	0
OOSP4A	0	0	3	3	0	0
AL022312.	127	89	179	91	79	88
AC093512	652	366	2349	1226	832	900
TBCE	102	79	112	117	149	134
AL662820.	1	0	2	0	1	0
ARHGAP11	120	56	133	96	63	75
AL160272.	12	6	9	8	18	11
AL662884.	0	2	3	4	2	1
AL358113.	28	0	132	0	22	48
AC022506	1	1	1	1	1	1
AC004593	82	17	155	105	171	62
AL590764.	359	257	484	425	211	473
AC008397	2	2	0	0	0	0
AC026316	0	0	0	0	0	0
OOSP3	2	0	0	0	4	0
AC006064	16	0	19	0	0	171
AL162417.	0	0	0	0	63	0
AC090517	168	73	265	199	130	145
ATXN7	602	430	618	353	279	427
AL160269.	116	28	23	14	53	10
AL035078.	0	0	0	0	0	0
AC021097	85	50	61	100	57	125
Z83844.3	0	0	0	0	505	118
AC025283	0	0	42	0	11	0
AC126283	0	0	0	0	0	0
FO393400.	109	22	103	126	100	25
AC098582	0	0	0	0	0	0
AC012476	0	0	13	0	0	0
Z82190.2	0	0	0	0	0	0
POLR2J3	2970	1818	7337	1464	3329	608
SOD2	21	15	39	28	12	18
AL162377.	285	197	297	151	119	181
Z84488.2	194	126	282	0	187	0
ZNF883	52	26	71	78	38	49
AC093827	56	18	73	92	41	62
AC007846	0	0	0	0	0	0
AC134980	0	0	0	0	0	0
AC139491	692	250	447	496	214	694
AC021097	6	22	43	11	23	25
AC010616	0	0	0	0	0	0

AL034430.	0	0	0	0	0	0
AP000646.	22	0	60	30	0	25
AC020907	0	0	0	0	0	0
AC097104	0	0	0	0	0	0
AC013717	2	10	0	0	0	0
AL133500.	0	2	8	2	5	12
AC067752	16	5	6	12	2	1
AC112504	0	0	0	3	0	0
AL445238.	0	0	0	0	0	0
AC069444	0	0	0	0	0	0
AC010422	1611	983	1830	1619	1170	1270
AC097625	3	0	0	0	0	2
AC084121	0	0	0	0	0	0
AC084121	0	0	0	0	0	0
AC117378	9	0	0	0	0	0
AL031847.	0	0	0	0	0	0
AC021660	2	0	0	0	0	1
AL358472.	44	0	62	56	91	48
AL133410.	0	0	0	0	7	0
AC009879	0	0	0	0	0	0
AC084121	0	0	0	0	0	0
AC134684	0	0	0	0	0	0
AC097634	227	96	307	282	173	285
AC098588	138	185	497	299	183	131
AC084121	0	0	0	0	0	0
AL031281.	22306	11479	22079	19037	13655	15790
AL034430.	75	34	59	61	24	49
AL031315.	63	0	32	20	0	10
AC097636	0	0	0	0	0	0
AC253536	0	0	0	0	0	0
AC134684	0	0	0	0	0	0
AC000120	0	0	0	0	0	0
AL139142.	0	0	0	0	0	0
AL358472.	0	0	0	0	0	0
AC009879	141	111	388	170	71	177
AC084121	4	0	0	0	0	0
WRB-SH3E	18	0	0	0	0	5
AP000944.	69	58	596	68	355	62
AP001267.	125	107	268	152	92	158
AL445685.	21	9	46	1	21	33
AC010197	39	4	9	3	13	12
AC008676	30	27	61	29	7	33
AC144573	0	0	0	0	0	0
AC113348	0	0	0	0	0	0
AC004687	81	123	127	148	122	52
AC008012	27	1	1	11	3	2
AC084121	0	0	0	0	0	0
AC087721	337	188	352	333	223	276
AL133353.	63	47	76	71	26	51
AC084121	0	0	0	0	0	0
AC018362	81	47	103	46	43	51
AC112128	752	315	671	510	305	715
AL162596.	0	0	0	0	0	0
AC127029	6	0	14	0	4	0
AC084121	0	0	0	0	0	0
AC000120	0	0	0	32	0	0
AC134684	0	0	0	0	0	0
AL135905.	1270	388	503	1190	1339	683

AC113348	0	0	0	0	0	0
AC012213	0	0	0	0	0	0
AL355312.	57	20	79	55	64	63
	Supplementary2: The miRNA expression matrix					
miRNA_na	Control1	Control2	Control3	Vitiligo1	Vitiligo2	Vitiligo3
hsa-let-7a	1006	354	834	733	517	449
hsa-let-7a	126042	95550	167992	165728	44989	90504
hsa-let-7b	147	78	80	85	42	52
hsa-let-7b	13489	9934	18176	20902	4638	8547
hsa-let-7c	3	0	0	0	0	1
hsa-let-7c	8823	4324	6113	7788	2412	5529
hsa-let-7d	909	638	1382	798	497	448
hsa-let-7d	6433	4902	10007	8730	2095	3966
hsa-let-7e	16	14	35	20	1	4
hsa-let-7e	1747	1992	3346	2702	774	768
hsa-let-7f-	262	88	148	128	90	129
hsa-let-7f	143	82	168	120	27	37
hsa-let-7f-	559079	422700	673948	681546	163331	475612
hsa-let-7g	47	21	28	35	18	21
hsa-let-7g	1005939	496453	954431	1343566	122975	539281
hsa-let-7i-	104	37	112	116	17	59
hsa-let-7i-	441763	264817	527476	615557	131492	343854
hsa-miR-1	2640	2992	4422	2134	14453	6882
hsa-miR-1	0	0	0	1	0	0
hsa-miR-1	2970	745	963	1678	1879	1122
hsa-miR-1	75532	34076	45895	64901	32333	47162
hsa-miR-1	8	5	11	4	1	1
hsa-miR-1	7	10	21	23	1	1
hsa-miR-1	76425	68393	114208	95741	28351	46672
hsa-miR-1	1	0	0	0	0	1
hsa-miR-1	41	19	26	46	0	5
hsa-miR-1	501	272	703	587	68	202
hsa-miR-1	5838	3387	6317	6316	4725	3595
hsa-miR-1	1825	821	2176	2186	259	587
hsa-miR-1	2275	1532	3599	2993	535	1047
hsa-miR-1	66	47	158	64	14	18
hsa-miR-1	6630	4391	9975	6225	10399	3908
hsa-miR-1	100	140	223	213	238	209
hsa-miR-1	8	0	10	2	0	7
hsa-miR-1	26	16	15	40	8	19
hsa-miR-1	14	70	54	22	97	59
hsa-miR-1	1	19	18	11	18	14
hsa-miR-1	0	0	5	0	0	3
hsa-miR-1	0	0	0	0	1	0
hsa-miR-1	11	21	53	25	21	17
hsa-miR-1	1	2	0	1	1	1
hsa-miR-1	1941	1821	2959	2701	1995	2167
hsa-miR-1	6	2	10	3	1	1
hsa-miR-1	1	0	0	2	0	0
hsa-miR-1	1	1	1	0	0	0
hsa-miR-1	1	1	3	4	0	0
hsa-miR-1	1	1	0	0	1	0
hsa-miR-1	2	7	7	3	0	5
hsa-miR-1	1	0	0	1	0	0
hsa-miR-1	0	0	0	0	0	1

hsa-miR-1	0	0	0	0	1	0
hsa-miR-1	8	5	0	2	0	1
hsa-miR-1	2	0	0	0	0	0
hsa-miR-1	0	1	0	0	0	0
hsa-miR-1	89	60	175	125	40	52
hsa-miR-1	0	0	7	9	1	4
hsa-miR-1	99	63	112	101	29	34
hsa-miR-1	3	0	0	3	0	0
hsa-miR-1	8	6	7	12	6	5
hsa-miR-1	52	22	62	98	19	59
hsa-miR-1	0	0	0	0	0	1
hsa-miR-1	1	2	0	2	1	4
hsa-miR-1	2	0	2	1	1	1
hsa-miR-1	2	5	10	3	0	1
hsa-miR-1	730	513	1567	1329	235	196
hsa-miR-1	3	7	5	10	4	6
hsa-miR-1	29	9	11	18	6	12
hsa-miR-1	559	121	327	347	110	134
hsa-miR-1	62696	86083	109536	104166	189998	98369
hsa-miR-1	1134	801	2381	1441	665	622
hsa-miR-1	9627	4410	14386	10277	2307	4394
hsa-miR-1	10166	5002	15981	10818	2886	4721
hsa-miR-1	1	0	0	0	0	0
hsa-miR-1	0	0	0	7	1	3
hsa-miR-1	5	1	1	0	0	0
hsa-miR-1	0	0	0	1	2	0
hsa-miR-1	11	1	4	4	5	2
hsa-miR-1	11	1	4	4	5	2
hsa-miR-1	1940	10736	6880	3555	29078	7722
hsa-miR-1	37	158	162	58	117	135
hsa-miR-1	0	0	0	8	0	3
hsa-miR-1	2	0	0	0	0	0
hsa-miR-1	166	38	163	176	22	35
hsa-miR-1	7	4	8	22	2	5
hsa-miR-1	0	0	1	0	0	0
hsa-miR-1	249	165	312	299	305	196
hsa-miR-1	16	1	21	24	4	8
hsa-miR-1	0	0	0	1	0	0
hsa-miR-1	15	3	12	13	2	4
hsa-miR-1	3	0	1	2	0	0
hsa-miR-1	111	43	66	95	63	61
hsa-miR-1	27	7	26	26	5	11
hsa-miR-1	11445	9014	12245	9539	41263	15136
hsa-miR-1	15	11	19	10	18	6
hsa-miR-1	0	0	0	1	0	0
hsa-miR-1	1	2	5	9	0	0
hsa-miR-1	1	0	0	0	0	0
hsa-miR-1	0	5	4	5	0	1
hsa-miR-1	51	31	70	89	36	39
hsa-miR-1	2	3	3	4	22	2
hsa-miR-1	1	0	0	0	0	0
hsa-miR-1	0	0	0	3	0	0
hsa-miR-1	2	0	3	0	4	1
hsa-miR-1	1	0	1	1	0	0
hsa-miR-1	15	11	4	9	8	5
hsa-miR-1	0	2	0	2	0	4
hsa-miR-1	11	2	11	17	7	14
hsa-miR-1	19	1	9	8	4	6

hsa-miR-1	2	3	7	4	0	0
hsa-miR-1	24	13	49	27	2	8
hsa-miR-1	68	27	23	48	37	66
hsa-miR-1	15	34	3	47	0	0
hsa-miR-1	326	254	497	402	246	246
hsa-miR-1	0	1	0	0	0	0
hsa-miR-1	7	1	2	7	0	0
hsa-miR-1	41	18	64	38	59	27
hsa-miR-1	9	1	12	14	9	5
hsa-miR-1	21	8	15	10	30	12
hsa-miR-1	21	18	43	38	5	12
hsa-miR-1	3325	1772	3313	3965	3004	2117
hsa-miR-1	111	30	150	142	32	31
hsa-miR-1	217	200	294	282	163	159
hsa-miR-1	114	67	122	144	53	94
hsa-miR-1	475	278	928	644	800	352
hsa-miR-1	485	401	364	327	318	637
hsa-miR-1	355	153	242	248	222	269
hsa-miR-1	1	0	0	1	1	0
hsa-miR-1	213	63	141	68	85	61
hsa-miR-1	1	0	0	2	0	0
hsa-miR-1	30	10	22	7	12	5
hsa-miR-1	0	2	0	0	0	1
hsa-miR-1	163	628	470	225	441	365
hsa-miR-1	8	2	15	4	5	3
hsa-miR-1	0	0	0	0	0	1
hsa-miR-1	1	0	0	1	0	1
hsa-miR-1	0	0	9	3	1	2
hsa-miR-1	1	0	1	0	0	0
hsa-miR-1	7	6	4	13	1	0
hsa-miR-1	109	340	394	148	262	167
hsa-miR-1	44	167	120	71	233	126
hsa-miR-1	0	0	1	0	0	0
hsa-miR-1	1	0	0	0	0	0
hsa-miR-1	13	2	1	2	1	2
hsa-miR-1	86	91	84	45	57	49
hsa-miR-1	2396	4067	2971	2179	6461	4970
hsa-miR-1	42698	23880	44024	41160	19086	21702
hsa-miR-1	1647	538	1287	1830	313	704
hsa-miR-1	96	26	58	52	17	33
hsa-miR-1	11	4	4	1	4	2
hsa-miR-1	21697	6025	12194	20509	3203	8242
hsa-miR-1	60172	16315	25001	39927	12554	42190
hsa-miR-1	18155	35067	38377	19333	41944	21839
hsa-miR-1	31	46	86	38	30	13
hsa-miR-1	161	17	143	503	11	65
hsa-miR-1	262	97	430	1207	61	200
hsa-miR-1	95	99	154	51	77	41
hsa-miR-1	422	535	1032	501	238	240
hsa-miR-1	25	7	19	29	21	13
hsa-miR-1	56	25	93	112	31	42
hsa-miR-1	115385	68728	173557	141486	28300	87293
hsa-miR-1	2439	752	1367	2530	536	943
hsa-miR-1	145448	48042	92563	143539	28128	67151
hsa-miR-1	0	0	3	1	0	0
hsa-miR-1	31	18	30	42	15	16
hsa-miR-1	635975	1549619	947255	1285080	4614034	1753579
hsa-miR-1	331	204	277	397	254	204

hsa-miR-1	31459	37624	92353	58331	50305	27168
hsa-miR-1	382	117	282	334	110	199
hsa-miR-1	12	0	5	6	8	4
hsa-miR-1	867	249	413	722	86	380
hsa-miR-1	54615	17982	41703	52161	4135	15379
hsa-miR-1	75866	155626	105985	101542	1170506	308797
hsa-miR-1	309	287	792	508	409	244
hsa-miR-1	302	281	788	505	401	244
hsa-miR-1	4366	3295	7039	7152	2328	2460
hsa-miR-1	15	3	4	16	3	3
hsa-miR-1	7	5	8	3	0	5
hsa-miR-1	2	0	1	0	0	1
hsa-miR-1	9	2	1	3	0	8
hsa-miR-1	3	7	5	5	1	1
hsa-miR-1	0	4	2	10	0	0
hsa-miR-1	11	11	33	8	2	7
hsa-miR-1	3	7	16	13	2	7
hsa-miR-1	0	0	0	1	0	0
hsa-miR-1	13802	4362	12394	10835	2071	6698
hsa-miR-1	2	0	0	0	0	0
hsa-miR-1	2	0	4	7	0	1
hsa-miR-1	805	331	1048	1054	40	184
hsa-miR-1	833	420	932	542	218	387
hsa-miR-1	2448	1077	3571	3208	468	909
hsa-miR-1	58	11	20	32	2	11
hsa-miR-1	708	311	748	642	339	366
hsa-miR-1	12241	6422	19063	17530	1502	4381
hsa-miR-1	39	8	56	60	10	30
hsa-miR-1	6347	3925	10408	8581	1327	2900
hsa-miR-1	2803	1071	2212	5221	1139	725
hsa-miR-1	1490	465	1273	1107	200	410
hsa-miR-1	37389	12781	37677	51156	3169	9276
hsa-miR-1	17	9	18	45	1	4
hsa-miR-1	79	21	41	37	7	26
hsa-miR-1	5843	1518	4442	7122	654	1475
hsa-miR-1	180	111	363	180	89	108
hsa-miR-1	75	20	55	43	16	15
hsa-miR-1	550	235	570	414	104	181
hsa-miR-1	0	1	0	0	0	2
hsa-miR-1	640	1005	1869	1834	1560	870
hsa-miR-1	42	9	14	30	7	21
hsa-miR-1	0	0	2	0	0	0
hsa-miR-1	99	69	227	365	67	111
hsa-miR-1	2	298	71	94	40	91
hsa-miR-1	532	354	814	624	407	333
hsa-miR-1	10417	8107	16037	12157	4988	7582
hsa-miR-1	0	1	2	4	0	0
hsa-miR-1	13225	3747	11421	13833	1771	4948
hsa-miR-1	13	7	8	16	15	6
hsa-miR-1	4	0	10	9	0	0
hsa-miR-1	18	10	42	35	11	9
hsa-miR-1	121	58	213	144	45	72
hsa-miR-1	0	0	5	6	1	2
hsa-miR-1	1	0	0	0	0	2
hsa-miR-1	37	11	30	34	32	16
hsa-miR-1	0	0	0	0	1	0
hsa-miR-1	1	0	2	0	0	0
hsa-miR-1	11	29	31	71	24	10

hsa-miR-1	47	4	43	34	0	8
hsa-miR-1	24	23	44	39	26	18
hsa-miR-1	44129	27216	79086	60094	10983	15254
hsa-miR-1	1	0	0	0	0	0
hsa-miR-1	0	0	3	2	0	0
hsa-miR-1	2	0	0	0	0	0
hsa-miR-1	0	2	2	0	0	0
hsa-miR-1	0	0	2	1	0	0
hsa-miR-1	8	3	7	6	0	0
hsa-miR-1	19964	8609	9868	15052	8717	13001
hsa-miR-1	6	1	0	2	0	0
hsa-miR-1	65	103	82	72	24	40
hsa-miR-1	22	11	13	14	5	10
hsa-miR-1	7	6	1	5	0	4
hsa-miR-1	5	3	5	3	1	6
hsa-miR-1	988	320	668	987	118	412
hsa-miR-1	10	8	6	6	8	13
hsa-miR-1	50	27	92	71	15	18
hsa-miR-1	36	5	33	71	5	12
hsa-miR-1	2	0	0	1	0	0
hsa-miR-1	90	43	137	131	29	55
hsa-miR-1	2382	1851	2524	1892	787	1034
hsa-miR-1	2	2	0	1	0	0
hsa-miR-1	0	0	0	0	1	0
hsa-miR-1	5	0	0	1	0	0
hsa-miR-1	12198	9490	27324	13809	7821	8006
hsa-miR-1	5380	4657	16384	7308	3215	3867
hsa-miR-1	12198	9490	27324	13809	7821	8006
hsa-miR-1	3172	2056	3715	2599	508	1022
hsa-miR-1	498	247	407	517	146	273
hsa-miR-1	7	6	5	9	2	4
hsa-miR-1	789	384	762	781	148	351
hsa-miR-2	218	152	331	256	177	191
hsa-miR-2	43	16	26	29	65	52
hsa-miR-2	552	294	531	526	166	278
hsa-miR-2	3	0	2	2	1	1
hsa-miR-2	816	373	576	664	105	307
hsa-miR-2	0	0	2	0	1	1
hsa-miR-2	1	0	0	0	5	1
hsa-miR-2	67	16	37	12	7	8
hsa-miR-2	20	8	4	3	10	2
hsa-miR-2	25	6	6	8	3	2
hsa-miR-2	2	24	34	48	34	26
hsa-miR-2	0	2	1	0	0	0
hsa-miR-2	18	8	22	13	2	1
hsa-miR-2	15326	7943	21039	18299	1856	5742
hsa-miR-2	9	1	9	5	0	0
hsa-miR-2	630	255	758	853	49	192
hsa-miR-2	1590	351	984	1150	210	380
hsa-miR-2	1088618	812441	1295438	1561728	941895	1143698
hsa-miR-2	161	63	173	234	40	88
hsa-miR-2	3	2	5	1	0	4
hsa-miR-2	0	1	0	0	0	1
hsa-miR-2	115	88	148	110	38	44
hsa-miR-2	0	0	0	1	0	0
hsa-miR-2	11	31	16	3	1	0
hsa-miR-2	4	25	17	4	4	3
hsa-miR-2	3	2	6	1	2	6

hsa-miR-2	1	0	0	0	0	0
hsa-miR-2	6	2	0	14	0	4
hsa-miR-2	22	9	24	25	17	10
hsa-miR-2	12	5	4	3	1	3
hsa-miR-2	0	2	1	2	3	7
hsa-miR-2	408	164	181	256	125	203
hsa-miR-2	0	1	0	0	0	0
hsa-miR-2	0	1	0	0	4	0
hsa-miR-2	46	43	93	33	42	48
hsa-miR-2	10	2	4	6	9	14
hsa-miR-2	1	0	0	0	1	0
hsa-miR-2	0	1	0	1	0	2
hsa-miR-2	1	0	0	0	0	0
hsa-miR-2	6	0	2	6	0	0
hsa-miR-2	3735	1481	3913	4792	2211	2172
hsa-miR-2	345	201	330	457	455	344
hsa-miR-2	22349	16111	46725	26363	14587	13844
hsa-miR-2	2459	1035	2919	2357	1086	1145
hsa-miR-2	6660	3919	10150	6310	5481	3929
hsa-miR-2	2	1	5	4	3	2
hsa-miR-2	26027	42501	51435	23389	5928	13160
hsa-miR-2	3871	1984	3376	3126	1334	2400
hsa-miR-2	3	0	3	1	0	1
hsa-miR-2	135	243	556	595	564	371
hsa-miR-2	0	4	1	2	4	0
hsa-miR-2	5	0	2	2	1	1
hsa-miR-2	75	38	62	122	26	43
hsa-miR-2	2	0	3	3	0	2
hsa-miR-2	146	81	190	176	89	97
hsa-miR-2	4	0	4	3	0	0
hsa-miR-2	12434	6668	20778	14594	3633	4757
hsa-miR-2	40	56	50	63	50	36
hsa-miR-2	5127	3205	10930	6694	3024	4013
hsa-miR-2	16	14	17	10	5	6
hsa-miR-2	3	0	5	7	1	4
hsa-miR-2	65	52	80	91	168	82
hsa-miR-2	1750	1258	1607	1993	2973	1878
hsa-miR-2	19124	10035	21061	22782	15557	13290
hsa-miR-2	1	0	0	0	1	0
hsa-miR-2	0	1	0	0	0	0
hsa-miR-2	34300	22022	49881	41995	18395	18728
hsa-miR-2	36	8	40	50	4	25
hsa-miR-2	0	0	0	1	0	0
hsa-miR-2	1	1	0	0	1	0
hsa-miR-2	3	16	10	7	8	7
hsa-miR-2	139	72	83	79	27	103
hsa-miR-2	450617	399260	743690	611672	252986	324215
hsa-miR-2	96	40	134	115	35	41
hsa-miR-2	119956	89639	172662	157533	34627	74144
hsa-miR-2	37368	17097	39672	51167	13284	24232
hsa-miR-2	1402	593	1042	3197	521	759
hsa-miR-2	36737	25787	74672	64481	23331	27565
hsa-miR-2	39	36	42	73	41	30
hsa-miR-2	10565	5036	8842	10312	6406	6126
hsa-miR-2	1051	384	849	1138	383	538
hsa-miR-2	7	1	5	7	2	9
hsa-miR-2	16	4	13	15	6	3
hsa-miR-2	1	9	8	0	4	4

hsa-miR-2	1	11	17	5	3	4
hsa-miR-2	25718	6924	25033	29003	2147	7927
hsa-miR-2	20	5	41	21	9	8
hsa-miR-2	11	8	12	12	3	4
hsa-miR-2	32	6	33	35	0	9
hsa-miR-2	4950	1153	3951	4397	386	1636
hsa-miR-2	744	165	695	721	37	147
hsa-miR-2	1005	533	635	919	569	788
hsa-miR-3	33	14	27	33	16	18
hsa-miR-3	125	55	131	105	140	47
hsa-miR-3	19	5	17	12	8	7
hsa-miR-3	2	1	2	1	1	1
hsa-miR-3	0	0	0	0	1	0
hsa-miR-3	0	0	0	1	0	0
hsa-miR-3	1	0	14	4	0	0
hsa-miR-3	8	2	5	6	5	5
hsa-miR-3	0	0	2	3	0	3
hsa-miR-3	3	2	7	1	1	2
hsa-miR-3	0	1	0	4	0	0
hsa-miR-3	37	11	43	41	8	15
hsa-miR-3	283	171	254	285	291	232
hsa-miR-3	1356	1073	2183	2154	1117	1444
hsa-miR-3	46	26	27	48	4	16
hsa-miR-3	12423	5711	13737	10525	2149	3592
hsa-miR-3	89	36	78	84	17	28
hsa-miR-3	8	4	10	8	10	12
hsa-miR-3	29302	19205	38468	27597	8663	11576
hsa-miR-3	334	100	271	296	158	196
hsa-miR-3	103586	91941	174966	125051	107324	69367
hsa-miR-3	15591	8764	12189	12563	11996	9293
hsa-miR-3	23325	13631	25821	22031	6655	10816
hsa-miR-3	15	1	9	11	0	4
hsa-miR-3	385	78	205	394	25	150
hsa-miR-3	1	0	2	0	6	5
hsa-miR-3	2	1	3	0	0	0
hsa-miR-3	0	0	5	2	0	0
hsa-miR-3	1	0	0	0	0	0
hsa-miR-3	19	21	49	22	58	35
hsa-miR-3	1	0	2	0	5	0
hsa-miR-3	1	0	1	1	1	0
hsa-miR-3	2	0	0	0	0	0
hsa-miR-3	1	0	0	0	0	0
hsa-miR-3	0	2	6	5	2	3
hsa-miR-3	0	0	0	0	1	0
hsa-miR-3	1	0	3	3	0	0
hsa-miR-3	27	15	17	16	16	14
hsa-miR-3	4	2	2	6	3	0
hsa-miR-3	1	0	0	1	0	0
hsa-miR-3	4	0	4	1	1	3
hsa-miR-3	5	4	4	3	0	2
hsa-miR-3	2	2	0	6	4	8
hsa-miR-3	9	1	7	8	1	2
hsa-miR-3	0	1	1	2	0	2
hsa-miR-3	6	1	6	4	2	5
hsa-miR-3	0	0	0	3	0	5
hsa-miR-3	1	2	1	1	0	2
hsa-miR-3	1	0	0	0	0	0
hsa-miR-3	12	8	20	14	3	8

hsa-miR-3	5	3	8	2	0	3
hsa-miR-3	1	0	0	0	0	0
hsa-miR-3	3	0	1	1	1	1
hsa-miR-3	2	0	0	1	0	0
hsa-miR-3	2	2	10	2	1	2
hsa-miR-3	8	11	5	3	58	17
hsa-miR-3	24	9	11	12	3	4
hsa-miR-3	2	1	3	1	2	0
hsa-miR-3	1	2	1	1	0	3
hsa-miR-3	1	0	1	0	0	0
hsa-miR-3	1	0	1	0	0	0
hsa-miR-3	27	7	27	28	10	20
hsa-miR-3	5	3	4	4	4	4
hsa-miR-3	242	150	134	306	409	343
hsa-miR-3	4	0	0	3	5	0
hsa-miR-3	0	0	0	2	2	0
hsa-miR-3	3	0	0	0	0	0
hsa-miR-3	0	0	0	1	0	2
hsa-miR-3	0	0	5	5	1	2
hsa-miR-3	1	2	0	2	0	0
hsa-miR-3	0	1	0	0	0	1
hsa-miR-3	1	0	1	1	3	2
hsa-miR-3	18	10	25	23	12	5
hsa-miR-3	15	3	1	11	4	3
hsa-miR-3	1	1	4	1	1	1
hsa-miR-3	4	2	10	7	1	1
hsa-miR-3	11	11	17	17	3	11
hsa-miR-3	3	0	0	0	2	0
hsa-miR-3	3	0	9	2	0	0
hsa-miR-3	0	0	0	1	1	0
hsa-miR-3	0	0	0	1	1	0
hsa-miR-3	0	0	0	3	0	0
hsa-miR-3	0	0	0	0	2	0
hsa-miR-3	0	2	5	0	1	0
hsa-miR-3	2	0	4	7	0	0
hsa-miR-3	1	5	5	4	3	3
hsa-miR-3	1	1	4	3	3	5
hsa-miR-3	5	4	8	2	8	2
hsa-miR-3	2	6	4	2	7	3
hsa-miR-3	2	0	0	0	0	0
hsa-miR-3	1	1	1	0	0	1
hsa-miR-3	11	1	24	24	4	11
hsa-miR-3	2	0	0	0	0	0
hsa-miR-3	10	1	4	5	0	0
hsa-miR-3	288	109	181	182	119	142
hsa-miR-3	2030	526	1203	1526	252	514
hsa-miR-3	5	3	4	13	0	6
hsa-miR-3	0	0	0	0	1	0
hsa-miR-3	13	3	5	8	1	2
hsa-miR-3	7121	4588	7988	8670	1861	3413
hsa-miR-3	345	239	385	339	87	148
hsa-miR-3	71	27	51	44	15	36
hsa-miR-3	17	2	11	12	4	7
hsa-miR-3	0	0	2	1	0	0
hsa-miR-3	145	395	386	164	820	209
hsa-miR-3	0	1	1	0	0	5
hsa-miR-3	205	903	909	205	1450	222
hsa-miR-3	44	28	60	50	12	11

hsa-miR-3	47	15	49	60	13	13
hsa-miR-3	250	138	407	282	95	70
hsa-miR-3	879	597	1504	1389	343	316
hsa-miR-3	0	1	0	0	0	0
hsa-miR-3	46	141	189	74	184	88
hsa-miR-3	0	6	3	0	2	3
hsa-miR-3	704	666	1039	1049	714	467
hsa-miR-3	461	209	346	515	302	411
hsa-miR-3	260	159	281	348	139	203
hsa-miR-3	110	44	98	109	151	101
hsa-miR-3	1462	924	2438	1437	2298	991
hsa-miR-3	597	284	628	427	130	244
hsa-miR-3	23	164	96	53	67	61
hsa-miR-3	8	19	14	12	27	18
hsa-miR-3	208	57	42	305	15	15
hsa-miR-3	325	150	272	336	55	71
hsa-miR-3	1363	546	1225	1294	455	624
hsa-miR-3	1336	700	2186	1537	333	431
hsa-miR-3	55	19	74	61	2	16
hsa-miR-3	24	1	11	6	3	1
hsa-miR-3	4	0	7	5	0	1
hsa-miR-3	2291	1227	1902	2252	5760	2391
hsa-miR-3	30243	13708	33529	22875	6132	11335
hsa-miR-3	14005	6857	14927	14874	1858	5340
hsa-miR-3	468	130	257	314	72	209
hsa-miR-3	2	0	1	0	0	2
hsa-miR-3	785	293	833	863	304	499
hsa-miR-3	52	13	132	94	36	38
hsa-miR-3	1	1	1	2	0	0
hsa-miR-3	1	0	0	0	0	0
hsa-miR-3	0	2	3	7	5	10
hsa-miR-3	126	273	543	450	338	354
hsa-miR-3	7	5	12	6	33	10
hsa-miR-3	3	2	4	0	0	2
hsa-miR-3	0	0	0	1	0	0
hsa-miR-3	8	3	7	6	0	4
hsa-miR-3	35507	14418	31568	32402	7451	16448
hsa-miR-3	931	387	876	890	162	373
hsa-miR-3	6	2	9	7	2	1
hsa-miR-3	36	19	20	14	1	1
hsa-miR-3	1787	846	1948	1492	285	656
hsa-miR-3	8	1	9	9	1	3
hsa-miR-3	20	22	35	11	12	9
hsa-miR-3	756	836	1197	886	736	501
hsa-miR-3	1	3	1	0	1	1
hsa-miR-3	9	4	16	4	2	3
hsa-miR-3	12	6	13	15	0	4
hsa-miR-3	227	61	254	211	41	81
hsa-miR-3	4	0	0	0	0	0
hsa-miR-3	3	0	0	1	1	0
hsa-miR-3	0	1	0	0	0	0
hsa-miR-3	7680	2884	4384	6871	2977	3812
hsa-miR-3	19	3	5	6	7	2
hsa-miR-3	0	0	0	0	0	1
hsa-miR-3	0	1	0	1	0	0
hsa-miR-3	1	0	0	0	0	0
hsa-miR-3	122	94	141	91	16	20
hsa-miR-3	10	10	3	7	1	10

hsa-miR-3	122	94	141	91	16	20
hsa-miR-3	6	2	2	2	1	5
hsa-miR-3	3	2	0	6	0	0
hsa-miR-3	2	0	0	0	1	0
hsa-miR-3	25	11	49	19	9	16
hsa-miR-3	2	2	6	5	1	1
hsa-miR-3	0	0	2	0	5	1
hsa-miR-3	1	1	0	0	4	0
hsa-miR-3	0	3	3	2	0	5
hsa-miR-3	1	4	2	1	0	1
hsa-miR-3	0	0	1	0	0	0
hsa-miR-3	1	0	1	0	0	1
hsa-miR-3	5	1	5	5	1	3
hsa-miR-3	0	1	0	4	2	2
hsa-miR-3	0	2	1	23	1	6
hsa-miR-3	1	0	2	0	4	0
hsa-miR-3	9	0	4	4	7	1
hsa-miR-3	0	0	0	0	3	0
hsa-miR-3	3	0	0	2	1	0
hsa-miR-3	15	19	18	16	17	2
hsa-miR-3	329	822	1130	380	604	425
hsa-miR-3	15	72	37	34	278	70
hsa-miR-3	51	64	96	31	73	37
hsa-miR-3	2	0	0	0	0	0
hsa-miR-3	3	2	0	1	3	1
hsa-miR-3	1443	7618	4754	2523	16717	6267
hsa-miR-3	10	18	19	16	15	7
hsa-miR-3	12	2	6	6	0	1
hsa-miR-3	1	2	0	2	1	4
hsa-miR-3	4109	1912	3532	3445	1533	2086
hsa-miR-3	2869	786	2915	3253	494	988
hsa-miR-3	352	116	389	234	78	142
hsa-miR-3	2432	792	3450	2950	1179	1073
hsa-miR-3	8	4	16	6	3	2
hsa-miR-3	2	3	4	3	3	6
hsa-miR-3	2	2	0	0	12	0
hsa-miR-3	18	43	36	20	22	16
hsa-miR-3	0	3	2	8	4	1
hsa-miR-3	2	6	3	1	3	6
hsa-miR-3	0	2	3	1	8	2
hsa-miR-3	18	76	71	45	18	46
hsa-miR-3	0	3	5	2	13	8
hsa-miR-3	6	14	9	8	8	15
hsa-miR-3	4	12	7	7	15	12
hsa-miR-3	22563	6102	11749	15193	10224	12117
hsa-miR-3	173	48	140	182	11	68
hsa-miR-3	3	1	1	4	1	0
hsa-miR-3	1448	309	676	834	203	477
hsa-miR-3	644	132	260	302	96	196
hsa-miR-3	6	0	5	2	0	1
hsa-miR-3	112	33	66	64	24	48
hsa-miR-3	98	10	36	49	14	32
hsa-miR-3	11	1	5	1	0	4
hsa-miR-3	3199	862	1574	1486	957	1472
hsa-miR-3	2	0	1	2	0	0
hsa-miR-3	35	113	130	50	140	62
hsa-miR-3	760	3489	1866	1038	4959	3060
hsa-miR-3	5	23	10	6	2	8

hsa-miR-3	3	12	5	7	29	6
hsa-miR-3	1759	8603	3719	2762	14363	8502
hsa-miR-3	0	0	0	0	1	2
hsa-miR-3	241	724	724	183	1313	354
hsa-miR-3	175	429	326	173	422	293
hsa-miR-3	0	0	1	0	0	0
hsa-miR-3	147	81	105	130	111	105
hsa-miR-3	0	0	0	1	0	0
hsa-miR-3	2	2	0	1	0	0
hsa-miR-3	29	5	21	22	3	7
hsa-miR-3	33	33	33	29	79	63
hsa-miR-3	3	0	1	0	0	0
hsa-miR-3	3	0	0	2	1	1
hsa-miR-3	1	0	0	3	0	2
hsa-miR-3	4	10	17	6	30	6
hsa-miR-3	0	0	0	0	1	0
hsa-miR-3	28	10	27	17	6	21
hsa-miR-3	34	11	25	24	3	12
hsa-miR-3	1	0	3	1	0	0
hsa-miR-3	0	0	1	3	1	7
hsa-miR-3	50	22	31	54	8	20
hsa-miR-3	0	0	0	3	0	0
hsa-miR-3	0	0	2	3	0	0
hsa-miR-3	3	1	5	4	3	5
hsa-miR-3	0	0	1	0	0	0
hsa-miR-3	1	0	1	2	1	1
hsa-miR-3	3	0	0	1	0	0
hsa-miR-4	1634	6961	5019	2019	17649	4816
hsa-miR-4	224	659	734	282	856	406
hsa-miR-4	58	135	126	78	97	65
hsa-miR-4	0	0	0	0	1	0
hsa-miR-4	51	169	139	51	211	85
hsa-miR-4	236	676	605	418	1048	652
hsa-miR-4	1	3	2	2	7	5
hsa-miR-4	22	74	70	30	144	68
hsa-miR-4	130	65	136	125	43	55
hsa-miR-4	68	18	28	54	12	33
hsa-miR-4	21448	12284	31308	24476	13795	9203
hsa-miR-4	13318	7153	14112	13462	5133	6444
hsa-miR-4	247	104	217	248	61	93
hsa-miR-4	123	63	139	116	3	36
hsa-miR-4	822	364	1086	1040	223	336
hsa-miR-4	15434	16025	20205	16218	33518	25348
hsa-miR-4	38	15	42	30	4	11
hsa-miR-4	17	5	6	7	6	6
hsa-miR-4	10	31	17	18	34	20
hsa-miR-4	155	650	343	230	1110	498
hsa-miR-4	3	1	0	1	7	2
hsa-miR-4	49	243	143	97	210	165
hsa-miR-4	130	54	121	113	58	22
hsa-miR-4	27	149	161	63	206	92
hsa-miR-4	0	0	2	2	0	0
hsa-miR-4	0	0	0	1	0	0
hsa-miR-4	9	0	2	0	8	2
hsa-miR-4	6	2	0	4	1	1
hsa-miR-4	8	0	2	2	0	0
hsa-miR-4	5	0	5	0	0	0
hsa-miR-4	1	1	1	2	0	0

hsa-miR-4	6	1	2	3	1	0
hsa-miR-4	0	2	0	1	0	1
hsa-miR-4	0	0	0	0	0	1
hsa-miR-4	0	0	1	0	1	0
hsa-miR-4	0	2	4	0	0	0
hsa-miR-4	107	108	204	133	241	119
hsa-miR-4	687	789	2342	1329	323	447
hsa-miR-4	2	1	8	3	3	2
hsa-miR-4	0	0	0	1	0	0
hsa-miR-4	0	2	3	3	0	2
hsa-miR-4	0	0	0	1	0	0
hsa-miR-4	0	0	1	0	1	0
hsa-miR-4	0	1	0	0	0	0
hsa-miR-4	100	68	158	73	40	42
hsa-miR-4	0	5	7	2	5	3
hsa-miR-4	1	0	0	0	0	0
hsa-miR-4	11	5	43	15	2	15
hsa-miR-4	3	0	0	0	0	0
hsa-miR-4	3	0	0	0	3	1
hsa-miR-4	5	0	5	1	0	2
hsa-miR-4	3	1	2	1	0	1
hsa-miR-4	12	7	11	4	12	2
hsa-miR-4	265	122	174	201	409	358
hsa-miR-4	8	2	3	2	0	2
hsa-miR-4	7	0	4	5	1	2
hsa-miR-4	15	3	5	7	3	5
hsa-miR-4	1	2	1	5	0	0
hsa-miR-4	1	0	1	2	0	1
hsa-miR-4	18	1	9	4	0	0
hsa-miR-4	5	1	12	12	0	0
hsa-miR-4	1	1	0	0	1	0
hsa-miR-4	2	1	2	3	0	0
hsa-miR-4	0	0	2	2	0	1
hsa-miR-4	9	1	0	4	0	5
hsa-miR-4	0	0	0	1	1	0
hsa-miR-4	4	0	1	0	1	1
hsa-miR-4	0	3	0	0	0	0
hsa-miR-4	2	2	0	0	1	0
hsa-miR-4	3	0	3	2	0	2
hsa-miR-4	0	1	0	0	0	0
hsa-miR-4	5	0	7	1	0	1
hsa-miR-4	19	12	16	21	38	14
hsa-miR-4	1	6	5	5	8	1
hsa-miR-4	1	0	0	0	1	0
hsa-miR-4	1	0	0	0	0	0
hsa-miR-4	3	2	3	2	0	0
hsa-miR-4	8	8	10	6	2	0
hsa-miR-4	413	298	346	265	100	184
hsa-miR-4	593	383	570	360	159	284
hsa-miR-4	5	0	2	5	0	1
hsa-miR-4	10	2	2	3	6	2
hsa-miR-4	0	0	1	1	0	2
hsa-miR-4	3	2	0	3	1	0
hsa-miR-4	0	0	0	1	0	0
hsa-miR-4	1	0	0	1	0	0
hsa-miR-4	30318	24621	52661	183644	15668	48154
hsa-miR-4	0	0	0	0	0	2
hsa-miR-4	59	72	164	189	51	79

hsa-miR-4	2	0	0	0	1	2
hsa-miR-4	2	0	2	0	1	2
hsa-miR-4	0	0	0	0	0	1
hsa-miR-4	93	20	42	78	9	18
hsa-miR-4	12	9	6	11	13	17
hsa-miR-4	1	0	0	1	0	0
hsa-miR-4	1	0	0	0	0	0
hsa-miR-4	1	0	0	0	0	0
hsa-miR-4	2	0	2	0	0	0
hsa-miR-4	0	0	0	0	0	1
hsa-miR-4	0	3	0	0	0	3
hsa-miR-4	7	5	6	2	1	6
hsa-miR-4	12	0	6	10	2	4
hsa-miR-4	1583	899	2442	1544	422	724
hsa-miR-4	22	18	50	34	15	10
hsa-miR-4	5	1	3	1	3	2
hsa-miR-4	33	9	7	26	8	27
hsa-miR-4	3	0	0	2	0	0
hsa-miR-4	0	0	0	1	0	0
hsa-miR-4	1	0	0	1	0	0
hsa-miR-4	3	0	0	0	0	2
hsa-miR-4	0	2	0	0	0	0
hsa-miR-4	1	3	0	1	7	4
hsa-miR-4	0	0	0	0	1	0
hsa-miR-4	5	3	2	4	2	0
hsa-miR-4	1	0	1	0	0	0
hsa-miR-4	0	0	5	2	0	0
hsa-miR-4	0	0	4	0	0	0
hsa-miR-4	61	24	61	71	9	12
hsa-miR-4	2	0	3	0	0	2
hsa-miR-4	0	0	0	0	1	0
hsa-miR-4	0	0	0	1	0	0
hsa-miR-4	0	1	2	1	0	0
hsa-miR-4	10	1	18	9	0	3
hsa-miR-4	27	8	37	14	14	5
hsa-miR-4	4	1	2	0	1	0
hsa-miR-4	2	0	0	1	1	1
hsa-miR-4	2	0	1	0	0	0
hsa-miR-4	10	17	3	19	137	25
hsa-miR-4	25	3	19	12	41	10
hsa-miR-4	0	2	1	2	0	0
hsa-miR-4	29	16	11	18	124	32
hsa-miR-4	0	0	0	1	0	0
hsa-miR-4	8	1	2	2	1	2
hsa-miR-4	0	1	0	0	0	0
hsa-miR-4	0	0	0	1	0	0
hsa-miR-4	0	1	2	0	0	0
hsa-miR-4	0	0	1	0	0	0
hsa-miR-4	3	0	0	0	0	0
hsa-miR-4	1	3	0	4	0	6
hsa-miR-4	0	0	0	2	0	0
hsa-miR-4	16	7	15	9	6	3
hsa-miR-4	1	2	3	0	0	3
hsa-miR-4	80	48	87	70	164	62
hsa-miR-4	5	2	1	5	2	5
hsa-miR-4	0	0	0	2	0	0
hsa-miR-4	3	0	1	2	0	2
hsa-miR-4	3	0	2	8	0	3

hsa-miR-4	3	0	0	0	0	1
hsa-miR-4	0	0	1	0	0	0
hsa-miR-4	2	1	2	7	0	0
hsa-miR-4	0	0	0	1	0	0
hsa-miR-4	3	1	12	1	0	1
hsa-miR-4	1	0	1	0	0	0
hsa-miR-4	3	0	3	6	2	1
hsa-miR-4	0	0	0	2	0	6
hsa-miR-4	0	0	0	4	0	0
hsa-miR-4	2	2	3	7	0	7
hsa-miR-4	0	0	1	0	0	0
hsa-miR-4	1	0	1	1	0	1
hsa-miR-4	0	0	0	1	0	0
hsa-miR-4	1	0	0	0	0	0
hsa-miR-4	3	0	0	0	0	0
hsa-miR-4	0	0	2	0	0	0
hsa-miR-4	0	2	0	1	0	0
hsa-miR-4	1	3	6	1	2	1
hsa-miR-4	0	0	0	2	0	0
hsa-miR-4	4	2	2	3	1	1
hsa-miR-4	3	6	3	2	1	1
hsa-miR-4	0	0	2	1	0	0
hsa-miR-4	1	0	0	0	0	0
hsa-miR-4	3	1	0	3	0	0
hsa-miR-4	0	0	1	0	0	0
hsa-miR-4	10	3	3	17	12	2
hsa-miR-4	0	1	0	1	0	0
hsa-miR-4	1	0	0	0	0	0
hsa-miR-4	3	0	1	6	2	1
hsa-miR-4	2	0	1	1	0	4
hsa-miR-4	1	1	0	0	0	0
hsa-miR-4	0	0	1	0	0	0
hsa-miR-4	1	0	1	0	0	0
hsa-miR-4	0	0	1	0	0	0
hsa-miR-4	0	0	1	2	0	1
hsa-miR-4	2	0	1	2	0	0
hsa-miR-4	0	0	2	0	0	0
hsa-miR-4	0	1	1	0	0	0
hsa-miR-4	0	0	1	0	2	0
hsa-miR-4	1	0	2	0	0	1
hsa-miR-4	2	0	2	0	0	0
hsa-miR-4	4	0	0	0	0	0
hsa-miR-4	8	0	12	1	0	0
hsa-miR-4	3	4	9	2	4	3
hsa-miR-4	0	0	1	0	0	0
hsa-miR-4	10	2	2	3	5	5
hsa-miR-4	0	0	0	1	0	0
hsa-miR-4	17	12	20	28	71	33
hsa-miR-4	0	0	0	1	0	0
hsa-miR-4	1	0	0	0	0	0
hsa-miR-4	1	6	1	3	4	1
hsa-miR-4	0	1	0	0	0	0
hsa-miR-4	0	0	3	0	0	0
hsa-miR-4	2	0	1	0	0	0
hsa-miR-4	1	0	0	0	5	0
hsa-miR-4	0	0	2	1	0	0
hsa-miR-4	8	1	9	11	9	3
hsa-miR-4	0	0	1	0	0	0

hsa-miR-4	0	0	1	1	0	1
hsa-miR-4	4	1	1	7	0	2
hsa-miR-4	0	0	1	2	0	0
hsa-miR-4	2	2	3	5	5	4
hsa-miR-4	0	0	2	1	0	0
hsa-miR-4	0	0	0	2	0	0
hsa-miR-4	18	14	17	38	2	3
hsa-miR-4	132	42	58	161	20	45
hsa-miR-4	0	0	3	1	0	0
hsa-miR-4	8	1	4	5	1	1
hsa-miR-4	5	0	3	2	2	3
hsa-miR-4	0	0	1	0	0	0
hsa-miR-4	12	10	20	18	4	9
hsa-miR-4	4	4	5	1	0	2
hsa-miR-4	1	0	3	1	11	1
hsa-miR-4	0	4	2	2	0	0
hsa-miR-4	47	13	20	35	19	24
hsa-miR-4	0	1	0	0	0	0
hsa-miR-4	0	0	0	5	0	0
hsa-miR-4	2	0	2	2	0	0
hsa-miR-4	3	1	1	3	0	0
hsa-miR-4	7	0	4	8	5	1
hsa-miR-4	1	0	5	4	0	0
hsa-miR-4	1	0	0	1	1	0
hsa-miR-4	2	7	5	2	0	0
hsa-miR-4	0	0	4	0	3	1
hsa-miR-4	8	1	11	9	0	0
hsa-miR-4	1	0	3	0	0	0
hsa-miR-4	2	0	0	0	0	1
hsa-miR-4	1	0	1	2	0	1
hsa-miR-4	3	0	0	1	0	0
hsa-miR-4	1	0	0	1	3	1
hsa-miR-4	3623	2208	6397	4357	1576	1473
hsa-miR-4	64	267	276	81	320	96
hsa-miR-4	4	48	26	25	95	26
hsa-miR-4	49	27	60	71	50	22
hsa-miR-4	3257	3338	7952	8867	5442	2660
hsa-miR-4	8	32	31	17	17	9
hsa-miR-4	4	2	10	3	6	2
hsa-miR-4	88	231	388	132	165	100
hsa-miR-4	0	5	3	0	5	3
hsa-miR-4	5	6	18	4	7	2
hsa-miR-4	0	0	3	0	1	0
hsa-miR-4	2	0	7	0	0	0
hsa-miR-4	19	6	13	16	3	6
hsa-miR-4	661	4100	1610	1244	14779	5955
hsa-miR-4	344	1248	1341	408	2423	989
hsa-miR-4	307	1209	1072	429	543	481
hsa-miR-4	366	1511	888	432	2041	1140
hsa-miR-4	13	23	22	11	30	11
hsa-miR-4	18	4	20	17	7	1
hsa-miR-4	1	1	1	0	0	3
hsa-miR-4	27	14	22	14	14	23
hsa-miR-4	419	115	215	243	161	274
hsa-miR-4	0	0	0	1	0	0
hsa-miR-4	0	0	0	1	0	0
hsa-miR-5	3	4	5	5	3	3
hsa-miR-5	1	0	0	0	3	0

hsa-miR-5	12	8	7	9	0	0
hsa-miR-5	0	0	1	6	8	1
hsa-miR-5	0	0	0	1	0	0
hsa-miR-5	1	1	4	2	13	2
hsa-miR-5	3	6	8	7	2	4
hsa-miR-5	3	1	10	3	4	6
hsa-miR-5	1107	339	720	922	190	332
hsa-miR-5	151	38	113	129	14	52
hsa-miR-5	13	3	3	7	0	3
hsa-miR-5	37	5	22	27	0	9
hsa-miR-5	490	140	372	404	134	163
hsa-miR-5	50	15	34	34	12	20
hsa-miR-5	120	117	150	93	75	66
hsa-miR-5	0	0	2	1	0	0
hsa-miR-5	790	235	484	637	98	201
hsa-miR-5	6	5	10	16	4	0
hsa-miR-5	1	0	0	0	0	0
hsa-miR-5	118	41	54	169	43	53
hsa-miR-5	52	70	152	36	25	22
hsa-miR-5	317	145	383	387	112	143
hsa-miR-5	21	7	33	15	5	5
hsa-miR-5	0	0	0	6	1	1
hsa-miR-5	11	3	6	14	3	14
hsa-miR-5	0	1	0	0	0	0
hsa-miR-5	0	0	0	0	1	0
hsa-miR-5	0	0	0	0	2	0
hsa-miR-5	0	0	0	0	3	0
hsa-miR-5	24	30	32	49	28	69
hsa-miR-5	0	0	1	6	0	2
hsa-miR-5	1	0	2	4	1	0
hsa-miR-5	3	0	0	3	0	0
hsa-miR-5	63	22	34	36	45	39
hsa-miR-5	1	2	1	1	0	1
hsa-miR-5	14	4	9	25	2	1
hsa-miR-5	0	1	0	2	0	0
hsa-miR-5	3	4	1	8	15	18
hsa-miR-5	0	0	1	0	0	0
hsa-miR-5	57	26	60	193	47	81
hsa-miR-5	0	0	0	0	0	1
hsa-miR-5	2	0	0	0	0	0
hsa-miR-5	0	0	0	0	1	0
hsa-miR-5	6	0	0	2	1	1
hsa-miR-5	0	1	0	0	0	0
hsa-miR-5	0	1	0	0	0	0
hsa-miR-5	1	0	1	0	0	1
hsa-miR-5	1	0	1	1	0	1
hsa-miR-5	1	3	0	3	3	0
hsa-miR-5	5	0	20	9	0	0
hsa-miR-5	0	2	6	2	1	0
hsa-miR-5	1	0	0	0	0	0
hsa-miR-5	23	21	37	20	40	18
hsa-miR-5	0	0	3	0	1	0
hsa-miR-5	4	0	2	2	0	0
hsa-miR-5	1	0	0	0	0	0
hsa-miR-5	1	0	0	0	0	0
hsa-miR-5	1	0	0	0	0	0
hsa-miR-5	1	0	0	0	0	0
hsa-miR-5	1	0	0	0	0	0

hsa-miR-5	140	43	140	170	12	27
hsa-miR-5	6316	2002	4374	5300	3206	2799
hsa-miR-5	40	89	127	38	50	37
hsa-miR-5	19	57	34	16	185	45
hsa-miR-5	0	2	0	0	8	1
hsa-miR-5	0	0	1	0	0	1
hsa-miR-5	418	242	380	260	80	171
hsa-miR-5	1	0	4	1	2	2
hsa-miR-5	259	709	67	359	1867	595
hsa-miR-5	0	2	0	0	0	0
hsa-miR-5	0	1	0	0	0	0
hsa-miR-5	10	4	17	25	3	11
hsa-miR-5	0	0	0	1	0	1
hsa-miR-5	20	6	27	20	2	6
hsa-miR-5	9	4	10	11	5	5
hsa-miR-5	3	0	6	2	0	0
hsa-miR-5	0	0	0	1	0	1
hsa-miR-5	69	50	90	100	59	43
hsa-miR-5	4	1	5	2	0	0
hsa-miR-5	69	50	90	100	59	43
hsa-miR-5	28	24	58	40	31	31
hsa-miR-5	73	72	55	81	231	127
hsa-miR-5	3	0	1	0	0	0
hsa-miR-5	2	0	1	2	0	0
hsa-miR-5	3	7	1	4	0	0
hsa-miR-5	15	8	9	11	1	1
hsa-miR-5	12	7	10	6	9	4
hsa-miR-5	268	316	237	219	918	576
hsa-miR-5	7	5	0	6	1	5
hsa-miR-5	4	0	0	1	0	1
hsa-miR-5	0	0	1	0	0	0
hsa-miR-5	10	5	13	6	0	4
hsa-miR-5	173	66	165	149	137	88
hsa-miR-5	44	68	114	56	86	48
hsa-miR-5	3	0	0	0	3	0
hsa-miR-5	24	348	40	32	49	586
hsa-miR-5	3	7	1	4	0	0
hsa-miR-5	2	1	2	0	0	1
hsa-miR-5	6	2	3	3	7	2
hsa-miR-5	1	0	1	1	0	0
hsa-miR-5	7	6	5	6	1	5
hsa-miR-5	1016	913	919	1071	2681	2004
hsa-miR-5	190	89	368	222	37	45
hsa-miR-5	5	0	1	3	0	1
hsa-miR-5	1	5	3	1	1	0
hsa-miR-5	6	3	6	7	0	5
hsa-miR-5	69	50	90	100	59	43
hsa-miR-5	1	0	3	1	5	1
hsa-miR-5	30	6	15	19	27	15
hsa-miR-5	6	7	3	6	0	4
hsa-miR-5	3	6	1	4	6	0
hsa-miR-5	2	0	5	1	1	0
hsa-miR-5	1	0	2	0	0	0
hsa-miR-5	7	5	0	6	1	5
hsa-miR-5	0	0	3	0	2	0
hsa-miR-5	69	50	90	100	59	43
hsa-miR-5	348	177	287	219	176	154
hsa-miR-5	3	0	0	0	0	0

hsa-miR-5	316	146	182	292	257	265
hsa-miR-5	0	0	0	1	0	0
hsa-miR-5	54	34	34	36	72	49
hsa-miR-5	3	7	1	4	0	0
hsa-miR-5	15	7	19	9	4	6
hsa-miR-5	1	0	0	2	0	3
hsa-miR-5	30	14	47	19	5	7
hsa-miR-5	151	120	124	125	281	184
hsa-miR-5	173	66	165	149	137	88
hsa-miR-5	190	89	368	222	37	45
hsa-miR-5	16	3	28	14	5	10
hsa-miR-5	28	10	26	25	9	14
hsa-miR-5	1017	913	919	1074	2681	2004
hsa-miR-5	7	5	0	6	1	5
hsa-miR-5	79	79	61	87	231	131
hsa-miR-5	5	2	2	4	0	2
hsa-miR-5	9	4	5	9	2	7
hsa-miR-5	20	6	27	20	2	6
hsa-miR-5	2	3	6	6	3	1
hsa-miR-5	112	117	127	106	514	196
hsa-miR-5	20	12	18	7	5	2
hsa-miR-5	0	1	3	3	2	3
hsa-miR-5	3	7	1	4	0	0
hsa-miR-5	15	7	19	9	4	6
hsa-miR-5	0	0	0	0	0	1
hsa-miR-5	17	8	23	15	4	9
hsa-miR-5	8	3	14	2	0	2
hsa-miR-5	19	8	23	16	6	10
hsa-miR-5	0	1	0	0	0	0
hsa-miR-5	7	2	4	7	0	2
hsa-miR-5	1	2	12	10	7	4
hsa-miR-5	0	0	0	2	0	1
hsa-miR-5	2	2	1	2	16	7
hsa-miR-5	3	1	2	3	0	2
hsa-miR-5	14	22	26	25	5	15
hsa-miR-5	33	31	26	51	125	48
hsa-miR-5	1	0	1	3	0	0
hsa-miR-5	2	0	0	0	0	0
hsa-miR-5	1	3	8	2	0	3
hsa-miR-5	10	6	6	10	6	16
hsa-miR-5	0	0	1	0	0	2
hsa-miR-5	1	0	1	0	0	0
hsa-miR-5	1	0	0	0	0	0
hsa-miR-5	0	0	0	0	1	0
hsa-miR-5	0	0	1	0	0	0
hsa-miR-5	2	1	1	2	1	2
hsa-miR-5	6	2	1	4	1	0
hsa-miR-5	1	0	2	0	0	0
hsa-miR-5	20	10	18	6	12	19
hsa-miR-5	2	2	4	0	0	0
hsa-miR-5	9	7	6	8	4	6
hsa-miR-5	0	1	2	4	0	1
hsa-miR-5	3	3	1	1	0	0
hsa-miR-5	1	0	0	0	0	0
hsa-miR-5	1	0	0	2	0	1
hsa-miR-5	3	0	1	0	0	0
hsa-miR-5	12	4	11	10	14	9
hsa-miR-5	0	1	5	1	1	0

hsa-miR-5	405	199	372	473	133	147
hsa-miR-5	364	107	213	242	96	159
hsa-miR-5	476	272	320	394	371	462
hsa-miR-5	312	118	252	186	108	158
hsa-miR-5	58	0	9	11	2	0
hsa-miR-5	0	0	0	0	1	1
hsa-miR-5	3	0	8	2	3	0
hsa-miR-5	6	4	13	8	3	6
hsa-miR-5	25	10	22	30	6	14
hsa-miR-5	50	29	33	42	134	85
hsa-miR-5	2164	1228	1317	640	1478	943
hsa-miR-5	188	64	269	64	7	23
hsa-miR-5	0	0	6	0	0	0
hsa-miR-5	1831	2637	4178	1916	2724	1880
hsa-miR-5	0	0	1	0	0	1
hsa-miR-5	5	3	3	3	0	0
hsa-miR-5	648	230	507	662	746	364
hsa-miR-5	502	159	581	403	71	141
hsa-miR-5	6	1	4	8	0	3
hsa-miR-5	0	1	0	0	0	0
hsa-miR-5	11	5	11	5	4	8
hsa-miR-5	345	139	395	437	75	122
hsa-miR-5	0	1	0	5	2	2
hsa-miR-6	1	1	1	1	0	0
hsa-miR-6	1	0	1	0	1	0
hsa-miR-6	11	10	13	12	3	8
hsa-miR-6	1	1	1	0	2	2
hsa-miR-6	2	0	0	2	5	4
hsa-miR-6	0	2	3	0	2	0
hsa-miR-6	0	0	0	3	1	0
hsa-miR-6	0	0	1	0	0	0
hsa-miR-6	47	16	19	52	16	32
hsa-miR-6	0	1	0	2	2	0
hsa-miR-6	2	0	0	0	0	0
hsa-miR-6	8	4	17	15	6	2
hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	4	0	2	9	0	2
hsa-miR-6	9	8	7	9	1	4
hsa-miR-6	140	98	227	103	46	76
hsa-miR-6	3	0	1	1	0	3
hsa-miR-6	24	6	21	26	0	2
hsa-miR-6	462	332	586	1261	2549	502
hsa-miR-6	37	14	37	61	15	17
hsa-miR-6	44	23	35	35	27	23
hsa-miR-6	12	0	3	7	0	1
hsa-miR-6	31	24	47	44	23	18
hsa-miR-6	91	52	105	75	17	17
hsa-miR-6	8	4	11	21	2	1
hsa-miR-6	884	375	684	569	279	427
hsa-miR-6	4	3	0	2	7	3
hsa-miR-6	0	0	5	0	3	2
hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	168	103	110	136	281	187
hsa-miR-6	21	5	8	21	1	6
hsa-miR-6	28	4	16	37	0	5
hsa-miR-6	0	0	7	4	0	0
hsa-miR-6	0	3	3	2	0	1
hsa-miR-6	17	5	8	11	4	5

hsa-miR-6	0	0	0	1	0	0
hsa-miR-6	0	1	0	0	0	0
hsa-miR-6	4	1	5	0	2	1
hsa-miR-6	4	2	5	1	0	0
hsa-miR-6	59	18	41	36	7	15
hsa-miR-6	5	5	5	2	10	4
hsa-miR-6	648	192	382	355	441	620
hsa-miR-6	21	5	24	34	1	11
hsa-miR-6	0	0	1	0	5	0
hsa-miR-6	4	2	5	2	2	1
hsa-miR-6	0	0	0	1	0	0
hsa-miR-6	0	0	0	0	1	0
hsa-miR-6	3	2	0	1	0	1
hsa-miR-6	2	0	0	1	0	2
hsa-miR-6	456	220	410	268	87	228
hsa-miR-6	2	1	4	3	1	0
hsa-miR-6	1	0	0	0	1	1
hsa-miR-6	2	3	20	4	11	4
hsa-miR-6	1	1	0	0	1	2
hsa-miR-6	18	5	11	10	15	10
hsa-miR-6	1	1	10	5	5	3
hsa-miR-6	1	0	0	0	0	1
hsa-miR-6	6	0	6	4	9	1
hsa-miR-6	0	0	0	0	0	1
hsa-miR-6	15	4	8	3	20	11
hsa-miR-6	0	0	0	2	0	0
hsa-miR-6	1683	1266	2465	1924	524	961
hsa-miR-6	137	92	224	132	24	61
hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	3	0	0	0	0	1
hsa-miR-6	720	3108	2353	1037	5372	2163
hsa-miR-6	88	406	276	149	416	206
hsa-miR-6	18	49	40	18	22	16
hsa-miR-6	29	83	77	37	63	33
hsa-miR-6	0	4	0	0	0	0
hsa-miR-6	0	0	0	1	0	0
hsa-miR-6	136	84	60	143	279	195
hsa-miR-6	7	0	6	6	0	0
hsa-miR-6	839	241	786	871	72	241
hsa-miR-6	293	100	279	252	42	98
hsa-miR-6	1	5	0	2	2	0
hsa-miR-6	4	0	1	4	0	0
hsa-miR-6	1	2	3	6	0	2
hsa-miR-6	0	4	4	1	0	0
hsa-miR-6	3	13	12	7	46	7
hsa-miR-6	384	268	445	433	1588	395
hsa-miR-6	118	52	87	179	13	65
hsa-miR-6	1	0	3	0	11	3
hsa-miR-6	13	6	24	31	5	9
hsa-miR-6	0	3	5	0	0	0
hsa-miR-6	7	6	5	8	0	2
hsa-miR-6	0	0	1	1	1	1
hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	0	1	0	0	0	0
hsa-miR-6	1	0	0	1	0	0
hsa-miR-6	0	0	0	0	2	0
hsa-miR-6	0	0	0	0	0	1
hsa-miR-6	1	1	0	2	0	2

hsa-miR-6	1	0	1	1	0	0
hsa-miR-6	5	4	5	1	3	2
hsa-miR-6	0	0	3	0	0	0
hsa-miR-6	3	0	9	1	2	2
hsa-miR-6	3	0	3	1	1	0
hsa-miR-6	3	0	6	1	1	2
hsa-miR-6	0	0	0	0	0	1
hsa-miR-6	4	4	4	3	22	3
hsa-miR-6	1	1	0	4	2	6
hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	0	1	1	3	0	1
hsa-miR-6	0	0	0	2	0	0
hsa-miR-6	0	0	0	0	0	1
hsa-miR-6	0	0	1	0	0	0
hsa-miR-6	1	1	0	0	0	0
hsa-miR-6	2	0	0	1	4	0
hsa-miR-6	0	0	0	0	0	1
hsa-miR-6	0	1	0	0	0	0
hsa-miR-6	2	1	4	2	1	1
hsa-miR-6	0	1	0	0	0	0
hsa-miR-6	5	0	0	3	0	1
hsa-miR-6	0	1	0	0	0	0
hsa-miR-6	1	1	1	3	2	1
hsa-miR-6	0	0	3	0	0	0
hsa-miR-6	0	0	0	2	0	0
hsa-miR-6	0	4	1	0	5	1
hsa-miR-6	0	0	0	1	0	0
hsa-miR-6	0	0	0	1	0	0
hsa-miR-6	0	0	0	2	2	1
hsa-miR-6	0	1	3	2	4	0
hsa-miR-6	0	0	0	1	0	0
hsa-miR-6	1	0	1	2	0	0
hsa-miR-6	1	0	0	2	0	0
hsa-miR-6	3	0	0	0	0	0
hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	0	1	2	2	6	0
hsa-miR-6	0	2	2	1	0	0
hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	0	0	0	0	0	1
hsa-miR-6	7	14	18	8	63	12
hsa-miR-6	0	1	0	0	0	0
hsa-miR-6	10	0	1	3	1	0
hsa-miR-6	4	0	1	4	0	1
hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	0	2	0	1	0	1
hsa-miR-6	2	2	2	1	0	0
hsa-miR-6	0	0	2	1	0	0
hsa-miR-6	0	0	3	0	0	0
hsa-miR-6	0	1	2	1	0	0
hsa-miR-6	4	0	0	0	0	0
hsa-miR-6	0	0	0	0	0	1
hsa-miR-6	0	0	1	1	1	0
hsa-miR-6	0	0	0	1	0	0
hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	0	0	0	1	0	0
hsa-miR-6	2	0	0	0	0	0
hsa-miR-6	0	0	0	0	1	0
hsa-miR-6	0	0	0	0	2	0

hsa-miR-6	5	1	9	0	1	1
hsa-miR-6	0	0	2	0	0	0
hsa-miR-6	3	1	2	2	0	0
hsa-miR-6	0	0	0	1	0	0
hsa-miR-6	0	1	0	1	3	0
hsa-miR-6	0	0	0	1	0	0
hsa-miR-6	11	8	8	5	18	13
hsa-miR-6	0	0	1	0	0	0
hsa-miR-6	0	0	1	0	0	0
hsa-miR-6	0	0	0	1	0	0
hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	5	2	1	8	1	1
hsa-miR-6	0	1	0	0	0	0
hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	0	1	0	0	0	0
hsa-miR-6	4	1	2	9	8	8
hsa-miR-6	0	2	8	2	1	0
hsa-miR-6	0	0	2	1	0	0
hsa-miR-6	1	1	1	0	0	0
hsa-miR-6	2	0	2	0	0	3
hsa-miR-6	0	0	0	0	1	0
hsa-miR-6	0	0	2	0	0	0
hsa-miR-6	3	0	1	0	0	0
hsa-miR-6	0	0	0	2	0	0
hsa-miR-6	0	1	0	0	0	1
hsa-miR-6	2	0	0	0	0	0
hsa-miR-6	0	0	0	0	1	0
hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	0	0	0	1	0	0
hsa-miR-6	0	2	4	0	0	0
hsa-miR-6	6	8	8	4	8	6
hsa-miR-6	0	0	3	0	0	3
hsa-miR-6	1	0	1	0	0	0
hsa-miR-6	3	0	1	1	0	0
hsa-miR-6	4	0	2	0	6	1
hsa-miR-6	0	1	0	1	0	0
hsa-miR-6	765	678	535	712	2308	1086
hsa-miR-6	3	1	6	6	1	4
hsa-miR-6	0	1	0	0	10	3
hsa-miR-6	0	0	1	0	1	0
hsa-miR-6	0	0	5	0	0	1
hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	1	1	1	3	3	1
hsa-miR-6	69	64	149	110	86	52
hsa-miR-6	0	1	3	1	0	1
hsa-miR-6	6	2	4	9	0	0
hsa-miR-6	2	1	1	2	0	0
hsa-miR-6	1	1	4	0	0	0
hsa-miR-6	0	1	0	0	0	1
hsa-miR-6	0	2	0	4	0	0
hsa-miR-6	0	1	5	3	2	3
hsa-miR-6	0	0	1	0	0	0
hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	2	0	0	0	1	0
hsa-miR-6	1	1	0	1	0	0
hsa-miR-6	0	0	0	2	0	0
hsa-miR-6	0	0	0	0	1	0

hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	26	15	22	13	31	23
hsa-miR-6	11	1	6	3	13	18
hsa-miR-6	2	0	0	0	0	0
hsa-miR-6	2	3	8	2	5	0
hsa-miR-6	0	0	0	0	3	1
hsa-miR-6	0	0	0	0	2	0
hsa-miR-6	0	1	0	0	0	0
hsa-miR-6	0	0	3	1	0	0
hsa-miR-6	3	2	3	6	6	0
hsa-miR-6	0	1	2	0	0	0
hsa-miR-6	1	0	1	0	0	0
hsa-miR-6	0	0	2	0	0	0
hsa-miR-6	2	1	0	0	0	2
hsa-miR-6	10	7	12	17	13	10
hsa-miR-6	0	0	0	2	0	0
hsa-miR-6	1	0	0	0	0	0
hsa-miR-6	2	0	2	0	0	0
hsa-miR-6	0	0	1	0	0	0
hsa-miR-6	0	0	0	1	0	0
hsa-miR-6	0	0	0	0	0	1
hsa-miR-6	0	1	0	0	0	0
hsa-miR-6	0	0	0	2	0	0
hsa-miR-6	1	0	0	0	0	0
hsa-miR-7	506	174	463	471	111	227
hsa-miR-7	0	0	0	0	1	1
hsa-miR-7	44160	22092	35378	34562	15905	36451
hsa-miR-7	266	11	16	128	160	155
hsa-miR-7	144	5	10	116	18	41
hsa-miR-7	0	3	2	2	2	4
hsa-miR-7	0	0	3	2	0	0
hsa-miR-7	0	0	2	0	0	0
hsa-miR-7	5	1	0	1	0	1
hsa-miR-7	0	1	1	1	0	4
hsa-miR-7	9	12	10	2	19	11
hsa-miR-7	0	0	0	0	1	0
hsa-miR-7	0	0	1	0	0	0
hsa-miR-7	19	36	35	22	138	42
hsa-miR-7	2879	2199	3870	3579	2025	1686
hsa-miR-7	73	250	181	122	381	254
hsa-miR-7	48	19	39	36	7	10
hsa-miR-7	0	1	0	0	0	0
hsa-miR-7	298	214	402	399	113	140
hsa-miR-7	4	8	26	13	4	10
hsa-miR-7	26	9	21	27	0	9
hsa-miR-7	1866	749	1412	1492	506	882
hsa-miR-7	0	0	0	0	0	1
hsa-miR-7	1	0	3	2	1	3
hsa-miR-7	16	5	11	4	7	10
hsa-miR-7	362	218	207	315	473	357
hsa-miR-7	0	0	2	0	1	0
hsa-miR-7	0	3	1	2	0	0
hsa-miR-7	0	3	0	0	0	2
hsa-miR-7	0	0	1	0	0	0
hsa-miR-7	0	2	8	4	6	4
hsa-miR-7	5	2	6	9	5	3
hsa-miR-7	1	6	0	1	0	0
hsa-miR-7	0	1	0	0	0	0

hsa-miR-7	2	2	0	2	0	1
hsa-miR-7	0	0	2	3	1	0
hsa-miR-7	6	3	6	3	4	0
hsa-miR-7	5	0	0	0	3	1
hsa-miR-7	0	1	1	1	1	0
hsa-miR-7	3	7	5	3	9	6
hsa-miR-7	35	15	62	60	14	15
hsa-miR-7	15	6	24	22	6	7
hsa-miR-7	0	0	0	1	0	0
hsa-miR-8	7	7	9	54	4	29
hsa-miR-8	224	55	105	680	34	323
hsa-miR-8	234	73	169	323	13	59
hsa-miR-8	7	0	9	13	0	0
hsa-miR-8	3	5	5	17	2	6
hsa-miR-8	1	0	0	0	0	1
hsa-miR-8	1	2	4	1	2	0
hsa-miR-8	151	108	157	154	116	76
hsa-miR-8	0	0	1	0	0	0
hsa-miR-8	2	0	1	2	1	0
hsa-miR-8	257	858	759	324	1595	764
hsa-miR-8	0	0	0	0	3	0
hsa-miR-8	0	0	0	0	2	0
hsa-miR-9	39	10	40	29	7	9
hsa-miR-9	906	837	938	650	367	404
hsa-miR-9	1	0	0	0	0	0
hsa-miR-9	14	11	10	8	4	7
hsa-miR-9	53129	33428	59618	62701	36226	31241
hsa-miR-9	235	183	326	255	130	171
hsa-miR-9	2	3	9	2	1	3
hsa-miR-9	46	15	79	54	14	15
hsa-miR-9	8546	5751	14492	10750	1737	3613
hsa-miR-9	1	1	0	4	3	0
hsa-miR-9	1	0	0	2	0	0
hsa-miR-9	0	0	2	2	1	0
hsa-miR-9	0	0	3	4	0	2
hsa-miR-9	0	0	0	2	0	0
hsa-miR-9	3	4	3	3	1	1
hsa-miR-9	5	0	1	4	0	2
hsa-miR-9	2279	4412	1918	4152	2637	2252
hsa-miR-9	4	1	5	7	2	5
hsa-miR-9	79	61	101	70	36	44
hsa-miR-9	1	2	1	3	3	3
hsa-miR-9	9	1	2	2	2	1
hsa-miR-9	494	128	261	427	43	185
hsa-miR-9	1	0	0	0	0	0
hsa-miR-9	57	40	123	203	11	78
hsa-miR-9	29	19	42	25	26	24
hsa-miR-9	7220	6056	10894	8489	6031	6631
hsa-miR-9	4	1	2	3	1	0
hsa-miR-9	16912	8236	12274	11291	16533	17494
hsa-miR-9	181	154	286	249	154	60
hsa-miR-9	1801	2121	3534	3243	4015	751
	Supplementary3: The lncRNA expression matrix					
gene_nam	Control1	Control2	Control3	Vitiligo1	Vitiligo2	Vitiligo3

LINC01587	2	0	0	0	0	0
AC000061	0	0	0	0	0	0
AC016026	706	475	850	537	475	415
IGF2-AS	0	0	0	0	0	0
RRN3P2	2899	1462	4297	3085	2720	2070
AC087235	0	0	0	0	0	0
DLEU2L	383	184	446	306	177	270
AL591845.	30	36	30	23	18	9
PINK1-AS	1281	497	1593	1590	858	966
SPART-AS	0	0	3	0	5	0
LINC00544	53	42	65	36	44	50
KIAA0087	4	2	2	2	0	6
AC105760	40	7	33	35	20	21
DKFZP434	0	0	0	0	0	0
LINC00029	0	0	0	0	0	0
FAM182A	15	0	33	0	4	16
C20orf187	0	0	0	0	0	0
C22orf24	3	9	6	11	2	3
TTTY1B	0	0	0	0	0	0
TTTY1	0	0	0	0	0	0
H19	10	0	0	0	0	0
TTTY9B	0	0	0	0	0	0
AC091132	41	13	18	16	7	32
TTTY6	0	0	0	0	0	0
TTTY6B	0	0	0	0	0	0
LINC00470	3	0	6	14	2	6
AL139352.	28	27	36	5	33	24
C7orf69	0	0	0	0	0	0
AL355922.	0	0	6	0	8	2
AC027088	0	0	0	0	2	0
FLJ33534	5	0	0	0	0	2
LINC01558	0	0	0	0	0	0
LINC00525	8	0	15	2	2	0
TTTY7	0	0	0	0	0	0
TTTY7B	0	0	0	0	0	0
C20orf78	0	0	0	0	0	0
LINC00266	49	29	38	34	42	50
AL136982.	16	0	10	0	14	1
PART1	5	0	2	0	3	0
LINC00467	226	65	62	105	207	120
FAM27C	10	0	2	0	0	0
ZFHX2-AS	329	665	376	365	951	234
TUBA3FP	41	11	63	25	34	37
C1orf147	8	9	30	17	8	5
OBSCN-AS	158	47	77	201	75	86
LINC01931	0	0	0	0	0	0
C2orf48	66	33	105	45	54	21
LINC01116	0	0	0	0	0	0
SNHG16	3201	2123	4698	2395	2716	2860
IGF2BP2-A	4	0	0	0	0	2
LINC01600	0	0	0	5	0	3
SMAD5-AS	2	0	0	2	3	0
C10orf25	69	39	76	42	28	37
ZNF667-A	96	69	31	108	86	39
MIR202HG	0	0	0	0	0	0
AL357033.	24	28	45	33	27	23
LINC00905	0	0	0	0	0	0
AC090152	104	64	218	92	87	87

LINC00917	0	0	0	0	0	0
LINC01620	4	0	6	5	0	0
AL512625.	160	68	177	97	102	132
TPT1-AS1	1794	684	1783	1644	851	1309
LINC00208	4	3	0	0	3	0
SHANK2-A	0	0	0	0	0	0
MIR31HG	7	0	5	3	5	4
MIR4435-2	1698	1115	3056	2064	1652	1222
CCDC13-A	0	0	0	0	0	0
AC008080	74	28	77	66	59	54
AC020659	354	278	332	358	718	743
SNHG11	156	66	148	123	111	104
MIR1-1HG	4	2	0	5	1	4
MIR1-1HG	0	0	0	0	4	0
GRIK1-AS1	5	0	0	5	3	2
LRRC75A-	5084	2838	4117	3492	2741	3164
TMEM51-A	6	2	8	25	9	5
FAM182B	38	11	28	24	17	12
AC007601	6	4	14	7	8	0
LINC00476	658	224	463	360	249	362
C11orf44	0	0	0	0	0	0
C15orf54	328	307	1136	413	1402	190
LINC01106	6	0	0	5	0	4
AP002986.	35	18	37	38	36	19
FLJ34503	0	0	0	0	4	0
DLEU1	593	242	609	515	403	538
C10orf111	12	27	60	48	14	10
AL138899.	16	8	5	7	13	12
AC104129	25	11	73	43	23	34
AL033381.	0	0	0	0	0	0
AC008969	847	286	1022	309	206	759
C20orf197	319	160	318	304	245	240
TTTY14	152	0	196	147	89	0
C15orf56	9	0	8	7	0	0
LINC00303	0	0	2	0	0	0
MIR7-3HG	0	0	0	0	0	0
AL358781.	91	55	86	86	56	52
TYMSOS	2	2	4	0	0	0
AP000679.	0	0	0	0	0	0
MRVI1-AS	54	41	54	15	16	26
LINC00982	0	0	0	2	0	0
LINC01561	0	0	0	0	0	0
C8orf31	8	24	51	64	58	25
DLGAP1-A	459	157	369	412	194	247
LINC00469	15	12	14	6	23	8
FLJ13224	18	11	35	14	20	2
FLJ40194	38	19	53	37	50	25
AC021054	802	396	1406	813	582	602
ZFAS1	1491	1664	2877	1883	1467	1257
AL953897.	0	2	0	0	0	0
AL355390.	8	4	0	5	0	0
CASC2	25	4	43	17	24	7
AC011944	7	3	7	11	6	3
AC105206	7	6	43	9	8	6
AC025171	321	135	399	396	250	235
FAM87B	21	15	7	12	3	5
AL162595.	6	2	11	6	5	2
TMEM78	0	0	0	0	0	0

AC098864	0	0	0	0	0	0
ZNRF3-AS	0	0	0	0	0	0
AL161668.	0	0	0	0	0	0
FAM27E5	0	0	0	0	0	0
C9orf62	0	0	0	0	0	0
LINC01658	0	0	0	0	0	0
AC068473	0	0	0	0	0	2
LINC00843	222	111	244	194	160	163
LINC00314	0	0	0	0	0	0
C5orf64	0	8	6	0	20	0
LMO7DN	3	0	0	0	0	0
ADORA2A	14	52	74	12	10	5
LINC00324	300	185	365	292	195	202
AC245177	0	0	0	0	0	0
AC020907	0	0	0	0	0	0
C9orf106	239	75	117	129	122	156
LINC00670	0	0	0	0	0	0
MTUS2-AS	5	2	7	7	4	0
LINC00311	0	0	0	0	0	0
AL162457.	71	37	43	78	57	27
LINC00174	1462	798	1857	1459	1091	1316
AC073072	30	8	14	12	8	14
AL049647.	0	0	1	0	0	0
LINC01699	4	1	0	3	0	4
EIF3J-DT	372	168	250	268	145	310
AP003471.	0	2	3	0	0	0
LINC00305	0	0	0	0	0	0
FLJ37453	237	167	281	247	150	196
AC135776	0	0	0	0	0	0
PCBP1-AS	2841	2146	2227	3069	1907	1835
PIK3CD-AS	29	63	97	37	36	34
LINC00652	4	0	0	4	0	0
C10orf91	9	16	20	10	7	22
ACTA2-AS	635	316	663	604	355	523
PRNT	0	0	0	0	0	0
LINC01869	6	11	4	10	5	1
LINC00304	41	36	53	48	57	126
AC022148	2	0	0	0	2	2
C9orf139	964	265	662	562	527	642
LINC02363	27	57	37	31	41	17
WDFY3-AS	4	11	9	6	16	3
CSNK1G2-	16	17	38	19	11	11
LINC01559	0	0	0	0	0	0
LINC01555	0	0	0	4	2	0
TTTY11	0	0	0	0	0	0
BREA2	116	60	140	106	70	77
AC004832	0	0	0	0	0	0
FER1L6-AS	0	0	2	4	0	0
HECW1-IT	0	0	0	0	0	0
LINC00471	25	6	11	15	2	14
CELF2-AS1	145	82	201	115	59	79
AP003774.	84	31	53	63	75	60
OGFRP1	17	25	25	31	10	20
TP53TG1	80	38	142	111	75	58
C17orf77	7	0	0	0	0	0
FAM87A	3	5	10	4	2	0
AC138028	11	3	33	26	22	13
LINC00334	111	33	11	14	12	41

LINC01006	26	20	50	29	35	26
AC239585	0	0	0	0	0	0
LINC01662	0	0	0	0	0	0
PRKCZ-AS	32	24	50	38	30	38
TSPEAR-A	0	6	12	11	3	16
AC138356	18	7	28	19	28	20
WT1-AS	0	0	1	0	0	0
LINC01547	72	23	57	45	52	23
AC005037	30	36	20	22	10	7
TTTY8	0	0	0	0	0	0
FLJ40288	0	0	0	0	0	2
COL18A1-	0	0	2	0	0	0
AC131971	24	3	23	14	0	4
C15orf32	0	0	0	0	0	0
LINC00518	0	0	0	0	0	0
NCF4-AS1	3	0	3	0	0	0
DSCR4	0	0	0	0	0	0
SREBF2-AS	57	70	142	73	93	46
C11orf72	0	0	2	0	0	0
LINC00315	2	4	0	4	6	2
UMODL1-	0	11	18	6	8	0
AP001062.	330	214	386	372	275	293
AC132216	1	0	2	0	0	0
FAM167A-	0	0	0	4	0	0
B3GALT5-	0	0	0	0	0	0
LINC00308	0	0	0	0	0	0
TTTY13	0	0	0	0	0	0
AC000068	42	26	22	43	35	23
LINC00482	41	52	91	34	63	46
LINC00313	0	0	0	0	0	0
WASIR1	0	0	0	0	0	0
LINC00158	4	3	0	4	7	8
TTTY8B	0	0	0	0	0	0
HDHD5-A	16	2	17	5	8	6
LINC01405	0	0	0	0	0	0
LINC00839	0	0	0	0	0	0
AC021092	33	26	33	34	15	14
MATN1-A	357	138	192	120	72	133
AC016757	42	15	100	46	31	6
MIR22HG	400	621	843	402	245	91
KTN1-AS1	85	49	98	99	70	61
C2orf27B	0	0	0	0	0	0
LINC00846	6	0	15	22	0	2
LINC01551	0	0	0	0	0	0
LINC00207	0	0	0	0	0	0
C17orf82	0	0	0	0	0	0
AC092118	0	0	0	0	0	0
AC100800	2	0	0	0	0	0
LINC02583	0	0	0	0	0	0
TCL6	271	164	366	291	191	152
AC097382	58	60	117	57	38	51
AC091057	319	138	317	275	278	245
LINC02592	0	0	0	0	0	0
SNHG28	79	41	123	99	63	70
LINC00265	389	234	536	469	343	358
PP7080	386	201	482	431	216	334
AC007731	0	0	0	0	0	0
AC092171	17	0	19	2	4	9

C22orf34	1483	729	2920	1503	1501	1015
AC010969	0	0	0	0	0	0
LINC00319	0	0	0	0	0	0
CYP51A1-	8	3	5	11	2	1
LINC00910	334	154	194	66	203	233
LINC00994	0	0	0	0	5	2
PAX8-AS1	100	238	2473	1935	1903	750
AC069277	0	0	0	6	0	9
LINC00943	10	7	13	12	2	1
LINC01164	0	0	0	0	0	0
ANKRD62P	0	0	0	0	0	0
AC073349	3	0	3	5	0	2
SPATA41	125	33	81	72	63	57
AC079610	0	0	0	0	0	0
COLCA1	147	35	79	71	63	115
LINC00615	0	0	0	0	0	0
LINC00523	0	0	3	0	0	0
GARS-DT	11266	5488	12033	8132	6283	8739
C9orf163	16	2	4	20	0	0
AL138767.	0	0	0	0	0	0
LUADT1	0	0	0	0	0	0
LINC00173	124	171	277	73	126	44
PDXDC2P-	2428	1699	3319	3555	2079	2753
LINC01560	86	49	71	88	63	53
SNHG17	512	819	916	851	669	757
AC079612	0	0	0	0	0	0
CTBP1-DT	1047	97	540	414	123	141
AC090286	0	0	0	0	0	0
SCOC-AS1	38	2	20	20	2	25
AL360004.	3	0	0	0	2	0
NPSR1-AS	0	0	0	0	0	0
AC068631	111	33	73	56	29	43
LINC02291	0	2	2	0	4	4
CH17-340	38	15	3	11	10	17
MIRLET7BH	571	268	569	533	246	549
AP000550.	0	0	0	0	0	0
LINC00336	30	12	8	15	7	21
RAMP2-AS	0	0	0	0	0	0
AC090673	50	37	33	32	35	87
GATA3-AS	13	2	4	19	14	17
C17orf102	0	0	0	0	0	0
AC008543	2	0	3	0	0	3
AC003975	0	0	0	0	0	0
LINC00477	8	3	9	8	4	6
C5orf56	7217	3737	9590	7163	4452	5190
AC068051	2	0	3	0	2	5
ATP11AUN	0	0	0	0	0	0
AC106870	0	0	0	0	0	0
AC007952	17	0	0	0	0	3
AL157838.	23	7	24	16	5	27
AC011450	182	80	196	178	138	123
AC122129	33	12	26	34	25	12
MDS2	59	44	61	62	31	72
CYYR1-AS	3	0	0	0	0	0
SNHG12	701	304	779	509	452	566
DSCR8	0	0	0	0	0	0
SNX29P2	1647	1097	2040	1189	1260	817
AFDN-DT	2	0	0	0	0	0

AL354714.	0	0	0	0	0	0
PRR31	2	0	4	1	2	2
FLVCR1-D	47	104	82	76	43	36
AC007920	0	0	0	0	0	0
NBR2	262	240	357	288	263	257
C3orf35	293	162	322	249	193	262
AC135895	0	0	0	0	0	0
LINC0156	5	0	21	4	30	0
SSBP3-AS	66	25	55	49	30	44
AC013549	0	0	0	0	0	0
AL157414.	0	0	0	0	0	0
AL590705.	18	4	4	15	12	14
AL022323.	0	0	0	2	0	0
TDRKH-AS	18	19	29	22	12	26
AL626787.	0	0	2	4	0	0
C9orf41-A	1	2	6	9	0	0
AL445248.	4	0	7	2	2	4
AC012358	77	12	33	55	71	27
AP003027.	22	5	30	4	9	6
AC006019	0	0	0	0	0	0
LINC0156	11	2	8	16	3	5
POLH-AS1	0	0	0	0	0	0
AL390760.	0	1	4	3	2	0
AC105020	30	2	27	22	8	11
AC015969	10	4	17	9	10	2
AL591503.	0	3	0	0	0	2
AL353740.	0	0	0	0	2	0
LINC0044	0	0	4	0	0	0
AC004988	0	3	0	0	0	0
AL354956.	2	0	4	0	0	3
AC009163	0	0	0	0	0	0
AL133216.	0	0	0	5	4	0
PDCD4-AS	125	105	192	103	92	87
AL139390.	0	0	0	0	0	0
RBMS3-AS	0	0	0	0	0	0
AP000753.	0	0	0	0	0	0
Z99756.1	0	0	0	0	0	0
AL450313.	0	0	0	0	0	0
LINC0240	0	0	0	0	0	0
IGBP1-AS1	0	0	3	0	1	3
AC005342	0	0	0	0	0	0
LINC0097	0	0	0	0	0	0
AC096543	0	0	0	0	0	0
AL354919.	3	0	0	8	0	0
AC144450	0	0	0	0	0	0
AC012456	0	0	0	0	0	0
AC083799	471	330	529	338	222	254
LINC0050	0	4	3	4	3	0
LINC0128	0	0	0	0	0	0
IBA57-DT	15	8	6	10	4	16
LINC0248	0	0	0	0	0	0
SERTAD4-	0	0	0	0	0	0
MIR29B2C	11545	10078	15286	11179	7200	7001
C6orf99	5	5	4	2	1	0
LINC0086	67	29	41	25	28	30
LINC0027	11	1	15	12	7	9
AL645568.	630	421	1020	877	530	549
LINC0022	18	7	12	8	4	11

ADAMTSL4	1816	1645	2094	1542	1342	839
BVES-AS1	0	0	0	0	0	0
LIN28B-AS	0	0	0	0	0	0
C1orf137	0	0	0	0	0	0
ATP1A1-A	118	33	104	85	43	71
SNHG5	2128	1065	1986	1721	645	815
ADD3-AS1	19	15	83	16	7	22
SPATA42	5	0	0	0	0	0
AL121827.	0	0	0	0	0	0
LINC00632	14	12	4	18	11	27
AL354984.	0	0	0	0	0	0
AL772363.	0	0	0	0	0	0
ARRDC1-A	324	209	350	466	272	259
LINC01270	80	125	110	33	33	10
COL5A1-A	0	0	0	0	0	0
SLC12A5-A	0	0	0	0	0	0
AL391421.	2	0	6	6	0	2
LINC00963	1869	1064	2291	1466	1117	1013
AL158151.	27	13	7	24	5	16
TDRG1	0	0	0	0	0	0
LINC00951	0	0	8	0	0	0
LINC02520	71	20	40	48	32	79
AL162293.	0	0	0	0	0	0
LINC00474	0	0	0	0	0	0
GDF5OS	0	0	0	0	0	0
AP000911.	36	25	40	20	7	11
LINC00587	0	0	0	0	0	0
PSMB8-AS	1023	1066	2311	1458	429	1223
LINC01993	0	7	4	2	0	0
TNRC6C-A	5015	2370	5459	4153	2004	4044
LINC01973	10	9	10	0	5	13
AL590644.	0	0	0	2	0	0
PKP4-AS1	3	0	2	0	2	2
NOL4L-DT	2	1	0	0	0	1
AL359649.	0	0	0	0	0	0
C9orf170	0	0	0	0	0	0
LINC01854	0	0	0	0	0	0
C1orf195	0	0	0	0	0	0
PSORS1C3	13	7	16	0	2	4
ACOXL-AS	1	5	3	5	3	3
FLJ45513	505	205	376	325	307	345
LINC01123	0	0	2	0	3	0
LINC01257	0	0	0	0	3	0
AC115618.	5	7	30	11	4	7
HCG9	3	0	0	5	3	0
AC010624.	5	0	12	2	0	0
AL133464.	0	0	0	0	0	0
STARD7-A	379	205	494	276	248	271
MAMDC2-	30	9	16	20	19	18
LINC01556	0	0	0	0	0	0
LINC01951	0	0	0	0	0	0
AC008429.	0	6	6	8	6	8
LINC01291	37	2	48	17	0	0
AL590399.	60	23	68	79	30	40
AL935212.	0	0	0	0	0	0
ST8SIA6-A	0	0	5	4	2	3
AC011484.	18	22	17	3	0	3
FAM201A	22	23	25	16	7	30

AC021218	0	0	0	0	0	0
LINC0154	0	0	0	0	2	0
AC007389	0	0	0	0	0	0
ATP6V0E2	328	65	172	150	62	189
FAM83A-A	2	0	4	6	7	10
BLACE	0	0	0	0	0	3
AP000812.	0	0	0	5	7	0
AC005692	0	0	0	0	0	0
LINC0213	0	0	0	0	0	0
AC092384	53	18	48	24	33	31
AC134312	21	10	20	18	16	9
AC118344	278	241	449	358	283	200
LINC0112	0	0	0	0	0	0
LINC0239	2294	843	1602	718	854	787
DKFZp779	3	2	4	7	0	3
C7orf66	0	0	0	0	0	0
LINC0065	279	147	228	191	149	197
TTLL10-AS	14	0	0	0	0	0
LINC0160	0	0	0	0	0	0
AL356414.	0	0	0	0	0	0
AC005863	0	0	0	0	0	0
LINC0146	0	0	0	0	0	0
LINC0066	0	0	0	0	0	0
AC007608	3	4	0	0	0	0
AL592528.	0	0	4	0	0	0
KU-MEL-3	0	0	0	0	0	0
AC140658	0	0	0	0	0	0
CALML3-A	8	0	8	4	0	8
AC013472	8	1	7	2	4	0
AC121338	5	5	10	0	0	0
CHKB-DT	68	28	38	46	41	55
AL049775.	0	0	0	0	0	0
LINC0159	78	0	23	23	21	4
AP001043.	4	0	3	1	2	0
LINC0144	0	0	0	4	0	0
LINC0131	0	0	0	0	0	0
LINC0089	0	0	0	0	0	0
LINC0058	0	0	0	0	0	0
AL035696.	0	0	0	0	0	0
AC020741	0	0	0	0	0	0
ADARB2-A	0	0	4	0	0	0
AL359878.	115	27	69	51	16	48
AC083864	0	0	0	0	0	0
LINC0153	0	6	2	0	0	1
DPP9-AS1	26	8	63	10	10	17
LOH12CR2	10	2	4	7	7	8
AC024132	0	0	0	0	0	0
LINC0048	0	3	13	8	2	6
RFPL3S	19	27	14	18	27	35
PCOTH	0	0	0	0	2	0
FAM99B	0	0	0	0	0	0
FAM99A	0	0	0	0	0	0
C1RL-AS1	1321	970	1676	1320	763	1122
AC108134	0	1	2	0	0	10
SRRM2-AS	138	72	102	133	96	42
C21orf62-	216	48	190	133	80	125
AC105345	93	59	114	117	43	48
AC074389	0	0	0	0	0	0

Z99774.1	66	24	129	56	48	21
AL121823.	0	0	0	0	0	0
AC006305	0	0	3	0	0	0
AP000552.	0	0	0	0	0	0
LINC02346	0	0	0	0	0	0
DUXAP8	3	8	4	3	3	11
AL359555.	0	0	0	0	0	0
HCP5	7212	4654	10335	7665	5603	5574
HCG27	905	710	1347	359	482	413
H1FX-AS1	95	37	103	63	40	53
AC117402	0	0	2	0	0	3
KRBOX1-A	0	0	0	0	0	0
AC022007	26	10	19	9	15	12
THUMPD3	1836	1342	2161	1720	1398	1480
AP000553.	62	47	92	80	59	55
AL359091.	0	0	2	4	18	0
AP000346.	38	4	26	31	0	11
AC003035	8	0	0	6	0	3
LINC01089	2596	1009	2340	1556	1439	1826
AL137145.	270	388	298	113	202	203
EWSAT1	2	2	0	2	2	0
TTTY2	0	0	0	0	0	0
TTTY2B	0	0	0	0	0	0
AC093281	0	0	0	0	0	0
Z97192.1	42	12	99	3	29	23
AC016747	209	127	256	216	104	145
C1orf220	367	122	306	218	171	167
AL021068.	24	10	9	8	2	17
AL590867.	2	0	0	0	0	0
Z97192.2	691	312	1179	586	758	445
LINC00671	25	28	22	26	28	24
FIRRE	199	102	245	194	70	153
SLX1A-SU	1576	1379	2289	1429	986	1193
U73169.1	145	124	289	225	160	196
ZNF337-A	293	33	409	268	133	27
AL731661.	0	0	0	0	0	0
LINC01521	153	14	78	109	83	83
LIPE-AS1	144	51	145	122	103	66
AC019080	348	261	318	391	396	353
AC007277	0	0	0	0	0	0
AL157395.	2	4	3	2	0	0
LINC02418	0	0	0	0	0	0
LINC02347	0	0	0	0	4	0
UCA1	4	0	3	0	0	0
PAXIP1-AS	2476	791	2092	1568	1055	1687
LINC00887	0	0	6	0	0	0
LINC02026	14	4	13	11	0	0
GCC2-AS1	2	4	4	2	4	20
ST7-OT4	137	126	333	236	91	145
AC010336	79	19	65	42	6	20
APTR	117	92	145	96	53	88
VAC14-AS	4	0	6	12	5	2
LINC00488	0	0	0	0	0	0
KANSL1-A	70	8	28	31	13	19
LINC02085	90	28	48	80	60	58
VPS33B-D	3	0	4	0	3	7
AC087491	3	0	0	0	1	4
MEG3	27	35	28	60	107	82

AC019077	0	0	2	2	0	0
AC142086	0	0	0	0	0	0
AC073592	0	0	0	6	2	3
LINC01913	0	0	0	0	0	0
AC116407	2	0	9	0	4	0
SMURF2P1	487	282	465	569	247	458
AL161756.	20	16	20	30	11	9
AC010168	7	3	6	0	0	0
AC112512	332	202	389	387	299	246
POLR2J4	462	389	610	452	354	437
OOSP1	0	0	3	3	2	3
AP002358.	50	64	64	58	30	17
AC090921	2	8	6	6	4	6
LINC00612	55	63	111	69	34	59
AC004540	12	4	5	4	0	4
LINC00243	715	252	626	627	348	552
LINC01588	1351	916	1950	1662	1162	772
BX546450.	0	0	0	0	0	0
AC104472	0	2	0	1	0	0
HLA-F-AS	530	184	558	437	283	441
AC008448	0	0	0	0	0	0
AP000317.	6	9	3	4	2	4
AC005323	0	0	0	0	0	0
AC129492	76	30	86	44	14	71
AL645728.	58	68	65	68	59	36
AL008729.	171	128	224	173	57	153
AC131097	0	0	0	2	0	2
CD27-AS1	261	167	377	258	324	218
ALOX12-A	642	388	717	498	396	575
AC025171	527	242	516	385	293	297
FAM74A1	0	0	0	0	0	0
LINC00588	0	0	0	0	0	0
AC025262	6	0	15	4	3	1
LINC00269	0	0	0	0	0	0
BASP1-AS	7	5	18	3	2	0
LINC01020	0	0	0	0	0	0
LINC02449	42	15	19	37	26	15
AL137145.	288	381	409	238	323	267
AC116351	30	0	24	28	9	0
DHRS4-AS	533	430	680	454	373	396
AC135983	60	47	61	40	58	45
FAM66B	76	37	35	44	58	57
MIR99AHG	8	16	22	9	5	12
LL22NC01	0	0	0	0	0	0
MIR17HG	667	365	420	544	281	442
MCM3AP-	243	107	188	240	103	159
AATBC	2261	763	2169	2143	1778	1607
BCRP3	23	19	29	24	12	23
LINC00598	156	107	208	159	192	156
FAM230B	0	0	2	0	0	0
LINC00189	37	67	69	38	72	58
TTTY5	0	0	0	0	0	0
AC114730	24	6	17	5	7	4
AC245128	3	1	7	4	3	0
ARHGAP27	3199	1783	4205	2824	2015	2106
LINC01139	0	0	0	0	0	0
AP002761.	5	2	6	0	5	0
LINC01356	0	0	0	0	3	0

LINC02337	0	0	0	0	4	0
LINC00955	0	0	0	0	0	0
LY86-AS1	50	41	81	35	95	60
AC009403	210	66	228	171	136	167
AC007249	8	0	12	5	8	14
AC073316	0	0	0	0	0	0
AL158066.	579	300	696	558	280	501
AC073263	37	5	29	24	13	15
AC099552	0	0	0	0	2	3
AL109955.	117	63	214	232	106	125
KIRREL3-A	0	0	0	0	0	0
LINC01644	3	4	24	28	18	29
AC110619	3	0	0	1	5	0
LINC00339	334	118	269	237	328	258
MIF-AS1	204	63	164	18	84	170
AC008060	0	0	0	0	0	0
FAM138C	0	0	0	0	0	0
AC011298	0	0	0	0	0	0
AC125494	26	21	23	25	12	6
AC019155	0	0	0	0	0	0
ZNF433-A	1114	515	1099	847	742	785
LINC02076	0	0	9	2	9	8
AC093802	0	0	0	0	0	0
HTR5A-AS	0	0	0	0	0	0
Z85994.1	0	0	0	0	0	0
LL22NC03	0	0	0	2	0	0
LINC02531	0	4	2	0	0	0
IGBP1-AS2	0	0	0	0	0	0
RNU6ATA(	11	4	0	9	2	13
PPP3CB-A	881	322	420	350	226	483
GAS8-AS1	0	0	2	0	0	0
C7orf65	0	0	0	0	0	0
AC020907	9	5	5	13	10	6
LINC01465	44	42	76	47	42	1
C1orf229	0	0	0	0	0	1
EXOC3-AS	32	18	49	26	23	17
AC092675	0	0	0	0	0	0
AC106876	0	0	0	0	0	0
C7orf71	6	0	0	0	2	0
LINC01118	41	6	18	23	16	23
AC064874	0	0	0	0	0	0
AC005481	4	4	0	20	3	3
AC011997	4	5	3	6	9	3
AC062017	9	4	11	5	6	8
AC112721	3	15	6	8	6	19
LINC01793	0	0	0	0	0	0
AC023469	0	0	0	0	0	0
AC112721	3	5	16	9	18	3
LINC01124	0	0	3	0	0	0
AC079354	0	0	0	0	0	2
CYTOR	2238	1381	3639	2314	2091	1791
AP001341.	0	1	5	0	0	0
AC079305	9	9	18	7	3	9
AL031587.	0	0	0	2	0	0
AL158817.	0	0	0	0	0	0
AC137630	30	8	41	42	21	29
AL359081.	0	0	0	0	0	0
ZNF385D-	0	0	0	0	0	0

AL590666.	33	30	40	39	25	35
EHHADH-	0	0	0	0	0	0
AC096559	0	0	0	4	0	0
AC108066	1	0	0	0	0	0
AC005104	3	1	2	1	0	0
AL391987.	0	0	0	0	0	0
AL356476.	0	0	0	0	0	0
LINC0177	0	0	0	0	0	0
LINC0206	4	0	6	0	2	8
AL445685.	4	4	22	13	6	0
CLDN10-A	0	0	0	0	0	0
AL118511.	0	0	0	0	0	0
AP006748.	0	0	0	0	0	0
MEG9	0	0	0	0	0	0
LINC0039	0	0	0	0	0	0
AL009050.	0	0	0	0	0	0
AC011243	0	0	0	0	0	0
AC009988	0	0	0	0	0	0
AC011625	0	0	2	0	0	2
AC235097	0	0	0	0	0	0
AL589642.	0	0	0	0	0	0
TH2LCRR	5	2	3	5	2	3
AL451065.	4	1	3	0	0	0
LMO7DN-	0	0	0	0	0	0
AC004471	5	5	14	4	9	8
AL353801.	0	0	0	0	0	0
LINC0182	11	0	12	5	3	6
AL157371.	0	0	0	0	0	0
AL117338.	0	0	0	0	0	0
AC099681	0	2	2	1	0	0
AL441992.	74	29	91	46	29	38
LINC0223	0	0	0	0	0	0
NUTM2A-	2859	1376	3172	2597	1958	2450
LINC0161	0	0	0	0	0	0
AC092198	0	4	4	0	3	0
FRMPD4-A	0	0	0	0	0	0
AL391097.	5	2	1	2	0	0
AL731537.	0	0	0	0	0	0
AL646090.	0	0	0	0	0	0
AL683807.	6	52	156	37	71	87
AFF2-IT1	0	0	2	0	3	0
AC010723	0	0	0	0	0	0
AC093690	11	8	6	4	2	1
AC092598	4	0	0	3	0	0
RABGAP1L	203	96	304	295	189	176
AL359094.	0	0	0	0	0	0
AC012506	0	0	0	0	0	0
HLA-DQB1	26	0	59	11	34	10
AC008164	0	0	0	0	0	0
AL109947.	0	0	0	0	0	0
AL024497.	0	0	0	0	0	0
LINC0063	384	124	464	335	210	293
AC034228	0	0	0	0	0	0
AC098613	8	0	0	7	6	4
AC078851	0	0	0	0	0	0
AC005165	22	28	17	8	12	10
AP001599.	0	0	0	0	0	2
DHRSX-IT1	50	49	76	51	55	46

AL355001.	2	0	4	1	0	0
AL590095.	0	0	0	0	0	0
LINC01312	0	0	0	0	0	0
LINC01986	0	0	0	0	0	0
LINC02142	0	0	0	0	0	0
AL138733.	0	0	0	2	0	0
DSCR4-IT1	0	0	0	0	0	0
LINC00370	0	0	0	0	0	0
AL133268.	0	0	0	0	0	0
LINC01044	0	0	0	0	0	0
LINC01120	0	0	0	0	0	0
AC012506	0	0	0	0	0	0
AL121990.	0	0	0	0	0	0
TTTY17C	0	0	0	0	0	0
AC008277	0	2	5	2	0	1
BX284668.	0	0	0	0	0	0
AC002463	0	0	0	0	0	0
LINC01946	0	0	3	1	0	3
AC105275	0	0	0	0	0	0
AC106786	0	0	0	0	0	0
AL078459.	14	9	33	21	18	10
AC245052	0	5	11	2	0	0
SAMSN1-A	0	2	2	2	0	0
AC000058	9	0	9	6	4	5
AL357033.	8	0	0	2	1	0
AC093117	0	0	0	0	0	0
AL356218.	0	0	0	0	0	0
LINC00571	17	0	9	7	0	12
DIP2A-IT1	120	82	172	195	104	85
FO393418.	0	0	8	4	7	8
AF230666.	0	9	6	2	0	4
RAET1E-A	0	0	0	0	0	0
LINC01422	1178	584	1488	1145	759	1159
AC069213.	18	15	22	22	13	17
LINC02601	0	0	0	0	0	0
LINC01208	0	0	0	0	0	0
AL135785.	0	0	0	0	0	0
AL109659.	0	0	0	0	0	0
AC009226.	78	66	72	62	39	45
AL020994.	0	0	0	0	0	0
AC034195.	18	7	11	6	9	7
LINC02247	0	0	0	0	0	0
AL359706.	2	2	3	3	0	0
AC098828.	0	0	0	0	0	0
AC112495.	0	0	0	0	0	0
CCDC18-A	3616	1720	3460	3198	2174	2676
MIR503HG	23	6	13	7	8	13
AC116609.	0	0	0	0	0	0
AC008073.	23	3	8	9	7	6
AL138767.	0	0	0	0	0	0
LINC02593	0	0	0	0	0	0
LINC01626	0	0	0	0	0	0
LINC00205	38	461	1056	25	461	22
AC006145.	0	0	0	0	0	9
AL513217.	2	0	2	5	0	0
LGALS8-A	20	0	24	7	12	16
LINC01983	6	0	3	2	4	0
LINP1	0	0	0	0	0	0

AL357507.	0	0	0	0	0	0
UBE2E1-A	0	0	0	0	0	0
AL669970.	0	2	0	0	0	0
ENTPD3-A	129	39	43	114	108	82
IL10RB-DT	71	32	107	50	28	43
AL355314.	0	0	0	0	0	0
LINC00114	0	0	0	0	0	0
AC044784	4	0	4	0	0	2
AC234771	0	0	0	0	0	0
AL589684.	0	0	0	0	0	0
AC073365	0	2	0	0	0	0
AC007255	8	4	0	2	2	0
AL691459.	0	0	0	0	0	0
DIAPH3-A	0	0	0	0	0	0
CDH23-AS	0	0	0	0	0	0
AL603910.	5	2	7	5	6	7
LINC01342	14	0	12	2	13	2
LINC01870	0	0	0	0	0	0
AC004870	0	0	0	0	0	0
AC005006	0	0	0	0	0	0
AL161935.	6	0	5	0	4	7
AL645941.	24	25	65	25	40	22
AC007091	0	1	0	0	0	0
FAM95B1	42	2	46	52	12	57
AL360093.	0	0	7	2	0	0
EFCAB6-A	0	0	0	0	0	0
MYCNUT	0	0	0	0	0	0
HRAT92	27	65	102	85	127	16
AC007403	0	0	0	0	0	0
LINC01805	0	0	0	0	0	0
AP000233.	0	0	0	0	0	0
AC006372	0	3	3	0	0	2
LINC01921	0	0	0	0	0	0
LINC01078	0	0	0	0	0	0
AL157402.	11	0	3	3	9	1
ABCC5-AS	0	0	0	0	0	0
LINC01707	0	0	0	0	0	0
AC068481	7	4	1	3	5	2
OSER1-DT	105	245	102	173	221	214
AP001469.	6	0	0	4	4	0
AC104457	0	0	0	0	0	0
ZNF32-AS	1	0	0	0	0	0
AC009480	0	0	0	0	0	0
LINC02471	12	35	33	7	6	4
AC010136	0	0	0	0	0	0
AC109779	0	0	0	0	0	0
LGALSL-D	4	3	1	5	0	2
LINC01014	0	0	0	0	0	0
AL590302.	0	0	0	0	0	0
AL353604.	0	0	0	0	0	0
AL513008.	4	5	8	6	3	3
AC016738	9	4	14	14	20	18
ROR1-AS1	0	0	0	0	0	0
LINC01767	0	0	0	0	0	0
AC009948	758	246	859	674	305	409
AL159990.	0	0	0	0	0	0
AC002456	3	8	4	5	6	5
AP001048.	0	0	0	0	0	0

SMCR2	0	0	0	0	0	0
LINC01874	0	0	0	0	0	0
AL357140.	4	0	2	1	1	1
AC104809	7	0	0	0	5	4
AC025428	0	0	0	0	0	0
AC244250	0	0	0	0	0	0
Z97198.1	0	0	0	0	0	2
LINC01441	0	0	0	0	0	0
AC063976	0	0	0	0	0	0
LINC01449	0	0	0	2	0	0
AP000470.	0	0	0	0	0	0
MIR181A2	26	2	27	42	5	14
FLJ37035	36	8	30	48	13	51
AL133456.	0	0	0	0	0	0
LINC01853	0	0	0	0	0	0
AL450344.	12	19	36	17	13	11
TCEAL3-A	5	2	5	7	7	9
EPB41L4A-	797	422	1006	917	495	471
LINC02561	96	28	117	38	38	34
BX005214.	0	0	0	0	0	0
CCNT2-AS	51	35	55	55	17	41
AC005076	11	6	16	28	14	5
AC104777	0	0	0	0	0	0
AC108681	0	0	0	0	0	2
AL008723.	3	0	11	2	6	6
EGFR-AS1	0	0	0	0	0	0
AC007319	0	0	0	0	0	6
AL049795.	95	88	132	184	65	79
LINC00691	0	0	0	0	0	0
TTTY22	0	0	0	0	0	0
AC009487	0	0	0	0	0	0
AP000936.	0	0	0	0	0	0
SNHG14	8655	4338	9099	8151	4361	7068
AC091729	0	2	0	0	0	2
AC245452	232	100	464	293	170	185
AC018865	0	0	0	0	0	0
AC097468	0	0	0	0	0	0
AC104389	0	0	0	0	4	2
AL109613.	27	22	41	39	32	40
LINC01935	0	0	0	0	0	0
AC104823	0	4	0	0	2	0
AP001630.	0	0	0	0	0	0
ELMO1-AS	1	2	3	4	2	2
INHBA-AS	8	11	57	6	43	5
POU6F2-A	0	0	0	0	0	0
AC099786	0	0	0	0	0	0
LINC01248	0	0	0	0	0	0
AC112715	2	0	0	0	0	0
LINC01857	59	43	56	22	24	16
AC000123	5	0	2	0	0	0
MIR548XH	0	0	0	0	0	0
AMMECR1	40	14	47	48	23	38
AC099786	0	0	0	0	0	0
AC009506	64	76	163	46	45	34
LINC02054	0	0	0	0	0	0
HCG14	6	7	12	7	4	0
AL133264.	0	0	0	0	0	0
DNAJC27-	59	32	56	72	22	28

AL390729.	0	0	0	0	0	0
AC007422	0	0	0	0	0	0
AL137802.	0	0	0	0	0	0
LINC00570	0	0	0	0	0	3
MIR3681H	1	0	5	40	3	2
C5orf66	38	55	49	53	23	21
LINC01991	0	7	0	0	0	0
HAGLR	0	3	0	0	0	0
AL355537.	0	0	0	0	0	0
AL080273.	0	0	0	0	0	0
AC008278	5	4	6	0	0	0
AC022400	4	3	7	11	2	0
PHEX-AS1	0	0	0	0	0	0
LINC00466	0	0	0	0	0	0
AL606469.	3	0	0	0	0	3
AC234781	54	32	91	54	35	31
AC107072	0	0	0	0	0	0
AC104699	3	4	0	0	6	7
AC024601	0	0	0	0	0	0
VSTM2A-(	0	0	0	0	0	0
AL031599.	3	0	0	0	8	0
LINC01832	0	0	0	0	0	0
WARS2-IT	4	4	0	0	2	4
AC090044	0	0	0	0	0	0
SOX1-OT	0	0	0	0	0	0
AJ009632.1	0	0	0	0	0	0
AC025947	0	0	0	0	0	0
AL391427.	3	0	2	9	0	0
VWC2L-IT	0	0	0	0	0	0
LINC01133	0	8	2	2	6	0
AL023754.	4	0	0	0	0	0
AC068707	0	0	0	0	0	0
AL772155.	0	0	0	0	0	0
AP000697.	0	0	0	0	0	0
AL117329.	0	0	0	0	0	0
AC131097	0	0	0	0	0	0
AL355388.	0	0	0	0	0	0
AP000345.	0	0	0	0	0	0
SLC25A5-A	96	36	108	112	71	102
LINC01142	0	0	0	0	0	0
AF196972.	9	0	10	9	7	0
PINCR	0	0	0	0	0	0
AL590502.	0	2	0	0	0	0
AL161785.	118	89	104	140	51	67
LINC01527	0	0	0	0	0	0
LINC01567	0	0	0	0	0	0
AL590640.	0	0	0	0	0	0
CHL1-AS2	0	0	0	0	0	0
AC004009	0	0	0	0	0	0
AL136234.	0	0	0	0	0	0
MDC1-AS1	7	5	14	4	8	1
LINC00297	0	0	0	0	0	0
AC005019	0	0	0	0	0	0
AC007879	0	0	0	0	0	0
SCEL-AS1	0	0	0	0	0	0
AL365226.	0	0	0	0	5	0
AL356966.	324	75	483	217	91	315
AL451074.	77	16	21	28	9	27

AL358176.	0	0	0	5	0	0
AC011239	0	0	0	0	0	0
FP700111.	10	0	0	7	0	0
AL391361.	0	0	0	0	0	0
AL023693.	0	0	0	0	0	0
AC009276	0	0	0	0	0	0
AC017104	22	20	50	30	45	9
LINC00703	0	0	0	0	0	0
AL033379.	0	0	0	0	0	0
AL139246.	8	2	5	3	8	2
BACE2-IT1	16	9	21	16	10	6
LINC01280	0	0	0	0	0	0
GPC6-AS2	0	0	0	0	0	0
SMIM25	1209	979	1507	206	169	1413
AC010880	0	0	0	0	0	0
Z68323.1	0	0	0	0	0	0
LINC00572	0	0	0	0	0	0
LINC02052	0	0	0	0	0	0
AL136988.	36	11	35	19	22	13
AC114489	0	0	0	0	0	0
AP001476.	0	0	0	0	0	0
AL606970.	0	0	0	0	0	0
STK24-AS1	45	8	50	41	0	15
PRKAR2A-	28	39	90	21	17	52
LINC00539	86	41	87	112	50	100
LINC01708	0	0	0	0	0	0
SLC25A34	0	0	0	0	0	0
AC009313	0	5	1	0	1	0
LAMC1-AS	0	0	0	0	0	0
AL109933.	0	0	0	0	0	0
AL356417.	25	8	15	11	2	8
AC245100	0	0	0	2	0	0
TTC21B-A	2	0	6	0	2	6
AL731575.	0	0	0	0	0	0
AC025428	0	0	0	0	0	0
AC138150	449	148	304	314	176	281
LINC02523	0	0	0	0	0	0
AC010884	0	0	0	0	0	0
LINC00365	0	5	4	0	0	5
AC109309	0	2	0	0	0	0
LINC00620	0	0	0	0	0	0
AL590385.	0	0	0	0	0	0
AC068134	0	0	0	4	0	0
HTR2A-AS	0	0	0	0	0	0
AC098483	10	0	0	2	0	0
AL591686.	0	0	0	0	0	0
AL136361.	10	3	17	17	12	4
TMLHE-AS	35	27	72	0	24	32
AC092803	2	0	0	0	0	0
AC096677	194	55	244	152	90	152
AP001439.	0	0	0	0	0	0
AC017067	0	0	0	0	0	0
LINC01087	0	0	0	0	0	0
LPP-AS1	0	0	4	4	2	0
LINC01754	10	5	0	7	6	13
LINC01886	0	0	0	0	0	0
COL18A1-	0	0	0	0	0	0
LINC01117	0	0	0	0	0	0

LINC01015	0	0	0	0	0	0
AL356277.	0	0	0	0	0	0
AL139158.	0	0	0	0	2	0
AC073626	0	0	0	0	0	0
ZMIZ1-AS	36	21	49	33	24	39
AL080284.	0	0	0	0	0	0
TGFA-IT1	10	11	12	4	4	7
HSD52	7	9	6	17	1	2
AC108879	15	8	7	10	0	15
AC079150	0	0	0	0	0	0
AC095032	3	0	2	2	0	0
TNK2-AS1	70	53	95	64	50	54
RTCA-AS1	77	29	61	46	27	35
AL451042.	4	2	2	0	0	0
AC106053	22	6	22	26	6	24
AL391095.	102	24	65	103	47	43
AC106900	40	26	23	39	24	18
AC064871	0	0	2	0	0	0
AL135787.	2	0	0	0	0	2
AL391069.	2	0	3	0	2	0
LINC01627	0	0	0	0	0	0
AF124730.	0	2	0	0	0	0
LINC00885	2	3	0	5	0	3
LINC01823	0	0	0	4	0	0
AL513164.	0	0	0	0	0	0
SH3BP5-A	3212	1217	2712	2401	1724	1780
AC010907	0	0	0	0	0	0
Z84484.1	0	0	2	0	3	0
AC105940	0	0	0	0	0	0
AC009227	0	0	0	0	0	0
RASAL2-A	0	0	0	3	2	0
AL133553.	0	0	0	0	0	2
AL390038.	0	3	49	16	0	0
LAMTOR5	671	344	756	674	545	492
AP000844.	0	0	0	0	0	0
AL390730.	0	0	0	0	0	0
E2F3-IT1	72	36	91	56	38	47
LINC01706	0	0	0	0	0	0
AC025165	0	0	4	0	0	0
AC024600	0	0	0	0	0	0
Z82186.1	0	0	0	8	0	0
AC098936	13	4	2	8	4	0
LINC01657	0	0	0	0	0	0
AC007182	24	3	26	20	15	14
PCOLCE-A	38	27	42	27	25	35
LILRB1-AS	12	4	24	13	8	7
AC016716	0	0	2	0	0	0
AL034349.	0	0	0	0	0	0
AC099850	20	17	31	21	20	24
AC016735	0	0	0	0	0	0
TEX26-AS1	0	0	0	0	0	0
AC063965	262	299	338	222	148	166
AC015987	2	2	0	2	0	0
AL391704.	0	0	0	0	0	0
LINC01167	0	0	0	0	0	0
AL353768.	0	0	4	0	0	0
AL035443.	0	0	0	0	0	0
ATP2B2-IT	0	0	0	0	0	0

AL138775.	0	0	0	4	0	0
AC012363	11	8	14	8	4	8
AP000704.	20	8	12	19	17	5
AL022326.	0	0	0	5	3	0
NTM-AS1	0	0	0	0	0	0
AL139397.	0	0	0	0	0	0
LINC00853	6	9	15	11	19	8
SRGAP3-A	0	0	0	0	0	0
AL355482.	0	0	0	0	0	0
TMEM72-A	22	11	6	19	18	6
AC114812	0	0	0	0	0	0
AC010789	0	0	0	0	0	0
AC096677.	0	2	6	7	4	4
AC093843	0	0	0	0	0	0
COL4A2-A	0	0	0	0	0	0
THRB-IT1	4	3	3	0	0	0
RORB-AS1	0	0	3	0	0	0
LINC01689	0	0	0	0	0	0
AL161908.	0	0	0	0	0	0
LINC00240	14	0	3	0	0	4
AC107079	0	0	0	0	0	0
AL133351.	4	14	18	9	30	20
AL589843.	7	6	4	6	1	0
LINC00502	0	0	0	0	0	0
LINC00393	4	4	7	6	2	5
CDKN2A-I	0	0	0	2	0	0
OPA1-AS1	0	0	0	2	4	0
LINC01691	1	0	0	0	0	0
LINC01398	0	0	0	0	0	0
AC009518	0	0	0	0	0	0
AL391244.	361	131	260	347	110	169
AC083949	25	9	53	42	25	31
AL121901.	0	0	0	0	0	0
AC011754	0	0	0	0	0	0
Z99716.1	0	0	0	0	0	0
AC034187	0	0	0	0	0	0
EIPR1-IT1	105	60	128	103	83	109
AC138028	33	54	118	28	18	26
AL160162.	0	0	0	0	0	0
POT1-AS1	90	32	74	59	49	53
AC019155	0	0	0	0	0	0
AL365258.	0	0	0	0	0	0
AC005534	49	36	60	85	44	42
AP001347.	15	1	13	7	2	14
LINC01766	0	0	0	0	0	0
LINC00863	268	128	368	280	244	206
AC066595	0	0	0	0	0	0
AL591684.	4	0	0	1	0	0
AL050303.	0	0	0	0	0	0
LINC00320	0	0	0	0	0	0
LINC02262	0	0	0	0	0	0
LINC01034	0	0	0	0	0	0
AL391684.	250	64	222	158	109	144
AL589678.	0	0	0	0	0	0
LINC00184	0	0	0	6	4	3
AL663023.	0	0	0	0	0	0
CASC6	0	0	0	0	0	0
AL353150.	7	9	4	14	1	4

AL390066.	322	193	472	383	345	273
LINC01266	3	2	0	14	0	1
PGM5-AS1	0	0	0	0	0	0
AC017002	134	150	315	177	126	137
LINC01752	6	0	5	0	2	4
LINC02586	5	7	8	6	2	23
LINC01645	0	0	0	0	0	0
AL645608.	0	0	9	12	0	3
AC245427	0	0	2	0	0	2
AL513412.	85	49	106	87	59	67
LARGE-AS	0	0	2	2	0	0
INE1	247	266	438	341	181	282
AL121983.	0	0	0	8	0	0
AL512363.	0	0	0	0	0	0
AL590714.	2	0	0	0	6	0
FAM41AY1	0	0	0	0	0	0
AL445645.	11	5	4	5	0	5
LINC01526	0	0	3	0	0	2
AC010082	0	0	2	0	0	0
AL732323.	0	0	0	0	0	0
AL929288.	0	0	0	0	0	0
AC000067	0	0	0	0	0	0
AL121872.	6	0	0	0	3	0
AC096541	0	0	0	0	0	0
AL355483.	3	7	12	11	7	6
AL162586.	641	308	446	512	296	448
EIF1AX-AS	2	2	3	0	0	0
LINC01058	4	0	11	4	6	6
AC018814	0	0	0	0	0	0
AL355592.	0	0	0	0	0	0
AL121894.	2	0	0	0	0	0
AC012485	2	0	0	0	0	0
AC092941	0	0	0	0	0	0
CATIP-AS1	18	15	44	34	8	18
AC093422	0	0	0	0	0	0
LINC01802	0	0	0	0	0	0
AL603832.	0	4	7	2	0	0
WWC3-AS	0	0	0	0	0	0
LINC00337	0	0	6	0	0	0
GRTP1-AS	0	0	0	0	0	0
AL450226.	0	0	0	3	0	4
AL162726.	0	0	0	0	0	0
AL583808.	0	0	0	0	0	0
AL355336.	376	219	459	383	280	293
AL445250.	0	0	0	0	0	0
AL157373.	0	0	0	0	0	0
LINC01076	3	0	0	0	0	0
AL162457.	0	0	0	0	0	0
AC092484	0	0	0	0	0	0
AC083900	49	28	78	80	52	54
AL157392.	0	0	0	0	0	0
AL355310.	241	224	247	226	123	204
AL365194.	0	0	0	0	0	0
LINC00237	3	9	9	3	4	3
LINC00972	0	0	0	0	0	0
AL035250.	0	0	0	0	0	0
SLC9A3-A	374	224	317	313	260	388
AL358216.	0	0	0	0	2	0

AC018643	0	0	0	0	0	0
AC073957	4	0	0	0	0	0
AL050338.	0	0	0	0	0	0
AL160290.	0	0	0	0	0	0
AC012354	0	0	0	0	0	0
LINC00618	25	22	20	39	12	30
AC012462	0	0	0	0	0	0
AC096631	0	0	0	0	3	0
AL662890.	0	2	0	0	0	9
OSTM1-AS	0	0	0	0	0	0
FLJ46906	26	9	69	50	45	33
LINC00457	0	0	0	0	0	0
AL121584.	0	0	0	0	0	0
AC073283	195	116	252	210	162	116
LINC00092	67	34	92	106	39	31
AC078962	85	68	106	76	51	78
AL139230.	5	0	5	9	1	7
AC078883	265	171	367	291	218	249
MIR137HG	0	0	0	0	0	0
AL133387.	0	0	0	2	0	0
AC092637	0	0	0	0	0	0
AC073367	106	61	116	107	66	76
AC079790	0	0	0	0	0	0
AC007362	0	0	0	0	0	0
AP001628.	32	18	28	23	19	18
LINC01795	0	0	0	0	0	0
AC008937	0	0	0	0	0	0
LINC02470	441	70	5	118	71	0
AL592402.	0	0	0	0	2	0
TRAPPC12	3	0	7	0	0	0
INTS6L-AS	2	2	2	3	0	0
AL021026.	0	0	2	0	0	0
LINC00378	0	0	0	0	0	0
LINC01297	1	0	0	0	0	0
AC009478	0	0	0	0	0	0
PCDH9-AS	0	0	0	0	0	0
TAF1A-AS	23	12	11	30	9	5
LINC00705	0	0	0	0	0	0
AL121987.	0	0	0	0	0	0
AL158013.	0	0	0	0	4	0
AC018693	1	4	6	4	4	6
LINC01770	0	0	0	0	0	0
AL158212.	16	5	28	8	28	7
LINC00113	0	0	0	0	0	0
AL139240.	0	0	0	0	0	0
AL591623.	295	205	452	311	254	265
AL117341.	0	0	0	0	0	0
AL024474.	3	0	2	0	0	0
AL513327.	18	11	33	9	13	13
AL591178.	0	0	0	0	0	0
LINC00350	0	0	0	0	0	0
LINC01427	0	0	0	0	0	0
AL583804.	0	0	0	0	0	0
LINC01594	0	0	0	0	0	0
LHFPL3-AS	10	4	14	12	2	4
AF064860.	0	0	0	0	0	0
LINC01678	18	16	16	7	29	15
AL391811.	2	0	0	0	0	0

AC016027	25	10	36	25	19	8
AL353608.	0	0	0	0	0	0
AL354740.	240	86	207	169	91	80
AC013269	0	0	0	0	0	0
AC079630	152	291	255	173	116	79
FREM2-AS	0	0	0	0	0	0
AL358393.	0	0	0	0	0	0
PPP1R26-A	18	3	13	9	4	8
AC078942	0	0	0	0	0	0
TMEM246-	0	0	0	0	0	0
NRSN2-AS	68	9	57	20	20	30
AC015977	0	0	0	0	0	0
SFTA1P	0	0	0	0	0	0
AC099754	0	0	0	0	0	0
AL591896.	0	0	0	0	0	0
NHEG1	0	0	0	0	0	0
BX571846.	11	0	21	0	7	8
AC121247	0	0	0	0	0	0
AC025188	8	2	16	5	4	2
AL136980.	16	2	29	25	5	11
CR786580.	146	38	91	88	54	24
LINC02557	0	0	0	0	0	0
AL049648.	0	0	0	0	0	0
AC104134	6	4	8	0	13	0
AC019330	0	0	0	0	0	0
AL391869.	0	0	0	0	0	0
LINC00331	0	0	0	0	0	0
LINC01671	12	2	11	9	0	5
LINC01504	393	104	377	265	234	263
PACRG-AS	0	0	0	0	0	0
BOLA3-AS	72	50	48	68	60	45
MPRIP-AS	2	0	6	0	0	0
LINC01867	0	0	0	0	0	0
LINC01763	0	0	0	0	0	0
AL021707.	9	7	10	5	3	3
AC073346	0	0	0	0	0	0
AL049812.	0	0	0	0	0	0
RFPL1S	113	26	83	82	98	83
JPX	2685	2313	2279	1881	1241	3624
AL136366.	0	0	0	0	0	0
ATP13A4-	0	0	0	0	0	0
PLCB1-IT1	168	91	175	210	142	118
NUTM2B-A	2828	1398	2685	2679	1977	3984
AC092447	0	0	0	0	0	0
AL354707.	20	16	25	23	4	11
LINC01107	0	0	0	0	0	0
KCNMA1-	0	0	0	0	0	0
AC002064	0	0	0	0	0	0
CYP4A22-	3	5	2	3	8	3
FAM197Y5	0	0	0	0	0	0
LINC01703	5	9	3	2	7	6
AL365434.	0	0	0	0	0	0
TTTY16	0	0	0	0	0	0
AC005237	10	0	0	3	3	6
AL450384.	50	20	58	46	29	42
AL731684.	0	0	0	0	0	0
LINC01393	15	5	6	4	13	8
AC073325	0	0	0	0	0	0

LINC01821	0	0	0	0	0	0
ZNF385D-	0	0	1	0	4	0
AL162399.	0	0	0	0	0	0
LINC02476	0	0	0	0	0	0
LINC01980	35	8	9	26	3	11
NAALADL2	0	0	0	0	0	0
AL359764.	0	0	0	0	0	0
AP000320.	0	2	0	0	0	3
AC083867	0	0	0	0	0	0
LINC01710	0	0	0	0	0	0
AC006076	0	0	0	0	0	0
LINC01492	0	0	0	0	0	0
AC013733	0	0	0	0	0	0
DOCK4-AS	0	0	6	0	0	0
NCBP2-AS	27	7	23	25	13	12
EDNRB-AS	9	5	5	5	7	7
AC011193	0	0	0	0	0	0
AC096669	0	0	0	0	0	0
LINC01623	2	0	0	0	0	0
AL606519.	0	0	0	0	0	0
MTOR-AS	4	2	0	3	0	4
AC092813	0	0	0	0	0	0
AC005281	0	0	0	0	0	0
AC007679	9	0	3	4	2	0
LINC02158	10	34	7	17	4	0
AC099552	12	2	1	3	1	4
LINCMD1	0	0	0	0	0	0
MYT1L-AS	0	0	0	0	0	0
AC104463	0	0	0	0	0	0
AGBL4-IT1	0	2	0	0	0	0
C9orf135-	0	0	0	0	0	0
AL161644.	22	6	7	19	0	9
AP001046.	0	7	0	4	8	2
LINC01729	6	2	2	0	2	6
AL606491.	31	34	49	52	36	40
AC005487	5	0	0	0	4	0
AC064875	0	0	0	0	0	0
KCNMA1-	0	0	0	0	0	0
BX255923.	5	0	7	8	0	0
AL118511.	0	0	0	0	0	0
LINC01716	0	0	0	0	0	0
CADM3-A	2	0	0	9	0	3
LINC01771	30	17	18	17	10	21
AC002378	0	0	0	0	0	0
AL163953.	0	0	0	0	0	0
PACRG-AS	0	0	0	0	0	0
FAM225B	105	0	0	98	99	54
AL442647.	0	0	0	0	0	0
AC114737	2	0	4	0	0	0
PTPRD-AS	0	0	0	0	0	0
AL354984.	0	0	0	0	0	0
AC092100	0	0	0	0	0	0
AL592166.	11	7	18	15	6	4
FAM66E	14	0	7	4	0	9
AL096772.	0	0	0	0	0	0
AP001627.	2	5	10	0	0	0
FGD5-AS1	6874	4241	8625	7436	5678	4753
NRG3-AS1	0	0	0	0	0	0

LINC02036	0	0	0	3	0	0
AC017002	0	0	0	0	0	0
MEG8	5	20	17	16	71	12
AL357500.	18	7	15	15	12	16
AC087501	0	0	0	0	1	0
AL023581.	0	0	0	0	0	0
DBH-AS1	130	72	144	123	39	71
LINC00489	0	0	0	0	0	0
AL596247.	33	24	74	25	19	36
LINC01389	9	0	4	3	4	0
P3H2-AS1	0	0	0	0	2	0
LINC01831	0	0	0	0	0	0
AL049637.	1	0	0	0	0	0
AL161646.	0	0	0	0	0	0
AL137220.	0	0	0	0	0	0
PROSER2-	2	9	12	0	3	0
MIAT	4619	2333	13676	6328	3392	5814
AL109610.	0	0	0	0	0	0
AC007953	0	0	0	0	0	0
TRAM2-AS	92	70	167	64	85	93
AC004540	2	0	0	0	0	0
AL080250.	35	20	32	52	18	44
AC073321	0	0	0	0	2	0
AC025918	2	0	2	1	0	4
AL121917.	27	18	32	17	15	29
AC069281	0	0	0	0	0	0
AL354771.	0	0	0	0	0	0
AC092669	0	0	0	0	0	0
AC118653	0	0	0	0	0	0
AC013269	0	0	0	0	0	0
UBXN7-AS	0	4	6	10	4	5
LINC00626	0	0	0	0	0	0
GS1-594A	0	0	0	0	0	0
AL157400.	0	0	0	0	0	0
TRMT2B-A	13	12	21	18	10	18
AL355490.	15	1	13	20	10	3
RUSC1-AS	147	87	139	91	96	82
AL162431.	2	1	8	1	3	4
AL022315.	0	0	0	0	0	0
LINC00368	0	0	0	0	0	0
PSG8-AS1	0	0	0	0	0	0
AL109924.	0	0	0	0	0	0
LINC00115	179	136	211	207	112	121
AC009365	0	0	0	0	0	0
LINC01456	0	0	0	0	0	0
AC098872	0	0	0	0	0	0
AC023590	31	69	49	86	133	44
AL445490.	0	0	8	0	0	0
AC012368	355	787	693	224	357	223
AL513365.	97	45	77	59	45	95
AL035404.	0	0	0	0	0	0
AL391244.	0	0	0	0	0	0
AL138767.	0	0	0	0	0	0
HCG23	246	100	201	127	203	53
AC007879	0	0	1	0	2	0
LINC01745	0	0	0	0	0	0
TAB2-AS1	2	0	0	0	0	0
AC000036	0	0	0	0	0	0

LINC02249	26	3	10	6	6	8
AL139246.	129	74	124	73	68	57
AL731557.	79	135	180	153	375	87
PCA3	6	0	26	6	0	0
AL109741.	24	10	22	28	7	17
LINC01875	0	0	0	0	0	0
AL121574.	0	2	8	6	3	3
AL158210.	159	67	102	136	57	119
ODF2-AS1	0	0	1	0	0	0
AL512444.	0	0	0	0	0	0
SATB2-AS	2	0	0	0	0	0
AL050320.	0	3	4	1	2	5
AL441989.	0	0	0	0	0	0
AC009950	36	21	39	20	17	24
NRIR	39	18	70	113	80	58
AL500522.	0	0	0	0	0	0
AC005550	0	0	0	0	0	0
LINC01534	137	68	122	94	45	55
HAR1A	60	51	45	68	52	54
AC010746	6	5	0	2	0	2
AC102953	0	2	8	4	8	5
AL355482.	2	0	0	2	0	0
UBXN10-A	14	7	8	13	4	3
LAMP5-AS	0	0	4	4	2	0
AL591468.	9	0	6	15	2	6
AL513303.	0	0	0	0	0	0
BX005266.	22	9	16	3	28	10
KCNIP2-A	6	8	4	6	4	5
AP001434.	0	2	4	2	0	2
PRICKLE2-	0	0	0	0	0	0
AC026167	0	0	0	0	0	0
AC092802	0	0	6	2	2	0
LINC01772	866	389	1042	879	747	964
FGF13-AS1	0	0	0	0	0	0
AL035530.	1387	905	1693	1336	583	827
LINC01040	0	0	0	0	0	0
AC010745	0	0	0	0	0	0
AP000561.	0	0	0	0	0	0
AL807761.	0	0	0	0	0	0
ZNF503-A	0	0	0	0	0	0
LINC01776	0	0	0	0	0	0
AC009531	0	0	0	0	0	0
LINC00623	748	430	747	749	277	502
AL139275.	4	0	9	4	0	0
AL356309.	0	0	0	0	0	0
AL138830.	0	0	0	0	0	0
SLC39A12	0	0	0	0	0	0
AC073283	0	0	0	0	0	0
AL158839.	0	0	0	0	0	0
AL122017.	20	8	20	13	17	12
LINC00937	537	595	1000	677	1203	1099
AC099342	0	0	2	0	0	0
LINC02097	0	0	0	0	0	0
AP001476.	0	0	0	0	0	0
DDC-AS1	0	0	0	0	0	0
LINC01907	0	8	6	4	32	5
AC013248	0	0	0	0	0	0
AL356289.	0	0	0	0	0	0

AL359502.	0	0	0	0	0	0
BAIAP2-D	803	558	729	707	666	596
AL355339.	0	0	0	0	0	0
Z98752.1	0	0	0	0	0	0
AL356124.	12	13	15	21	15	8
AC124944	6	2	6	2	7	6
LINC0137	0	0	0	0	0	0
AL513185.	0	0	1	0	0	0
AP4B1-AS	13	0	9	4	10	3
AL121885.	0	0	0	0	0	0
AL139420.	3	0	0	0	10	2
LINC0068	27	14	22	13	8	22
AC010536	356	117	288	332	196	170
AL132671.	0	0	0	0	0	0
AL049548.	0	0	0	0	0	0
LINC0251	0	0	0	7	2	0
AL583785.	0	0	0	0	0	0
SGMS1-AS	1236	607	621	782	781	653
LINC0173	0	0	0	0	0	0
AL157359.	0	0	0	0	0	0
BX470209.	0	0	0	0	0	0
AL080316.	0	0	0	0	0	0
AL513285.	0	0	0	0	0	0
AC079163	0	0	0	0	0	0
LEMD1-AS	0	0	0	0	0	0
GAS1RR	12	3	6	2	0	6
AC132807	0	0	0	0	0	0
AL031658.	0	15	37	3	25	0
LINC0038	60	12	8	30	19	19
ZNF32-AS	3	0	5	4	2	0
AL365271.	0	0	0	0	0	0
LINC0040	0	0	0	0	0	0
AL451060.	0	0	0	0	1	0
AL135960.	0	2	4	2	0	0
GRM7-AS	0	0	0	0	0	0
ISM1-AS1	8	0	0	10	3	2
AC009961	106	80	150	103	63	77
ARHGAP2	0	4	4	0	2	0
AC093382	22	12	12	7	3	16
AC105393	0	0	0	8	0	2
AL031123.	35	21	38	41	33	13
AL008733.	0	0	0	0	0	0
AC091729	0	0	0	0	0	0
AC036101	0	0	0	0	0	0
AC122683	0	0	0	0	0	0
AL358612.	0	0	0	2	0	0
AL122058.	0	0	0	0	0	0
AL022157.	38	31	63	49	21	64
CFLAR-AS	36	24	42	28	12	17
LINC0035	0	0	0	0	0	0
LINC0181	16	2	4	1	6	7
AC006150	0	0	0	0	0	0
NUP50-DT	358	162	554	450	241	368
AL606489.	0	0	2	0	0	0
AL354836.	3	1	8	4	0	0
AL359182.	3	0	18	4	0	0
AL353616.	0	11	2	0	0	0
AC099066	0	2	1	0	2	5

PSPC1-AS	43	12	14	11	14	28
AL353803.	0	0	2	0	2	0
FAM41AY2	0	0	0	0	0	0
HAGLROS	0	0	0	0	0	0
LINC0208	0	0	0	0	0	0
ST7-AS2	0	0	5	0	0	0
LINC0037	0	0	0	0	0	0
LINC0134	0	0	0	0	0	0
AL022310.	30	5	21	34	9	19
AL135923.	0	0	0	0	0	0
AC084809	2	2	0	0	6	0
LINC-PINT	3115	586	3148	2462	2245	1982
LINC0187	46	30	30	108	16	54
PARD3-AS	0	0	0	0	0	0
SORCS3-A	0	0	0	0	0	0
AL353658.	0	0	0	0	0	0
C12orf77	0	2	2	0	0	0
AC013480	0	0	0	0	0	0
AL392089.	47	9	10	27	9	18
AL450332.	0	0	0	0	0	0
AC018980	0	0	0	0	0	0
MRPL23-A	5	0	0	0	0	0
SLC16A1-	1045	463	1166	796	605	846
AC093642	21	13	40	23	12	22
AL358613.	0	0	0	0	0	0
AC012558	0	0	0	0	0	0
AL121929.	0	0	0	0	0	0
AP000290.	0	0	0	0	0	0
AL442071.	0	0	0	0	0	0
AL365214.	0	0	0	0	0	0
PLCL2-AS1	0	0	1	0	3	0
AC006037	0	0	0	0	0	0
BX322234.	15	3	16	20	6	16
AL117337.	0	0	0	0	0	0
LINC0254	3	0	2	0	0	0
AL033380.	20	9	51	24	13	10
AL121787.	24	2	14	14	5	15
AL390198.	31	12	28	17	13	18
Z93930.2	198	92	193	165	126	163
LINC0174	0	0	6	0	0	0
ADIPOQ-A	0	0	0	0	0	0
AL606516.	0	0	0	0	0	0
LINC0103	0	0	0	0	0	0
AL139254.	0	0	0	0	0	0
LINC0182	0	0	0	0	0	0
LINC0032	0	0	0	2	0	0
LINC0254	0	0	0	0	0	0
AC007463	0	2	0	0	0	0
LINC0191	33	7	32	19	2	10
UPK1A-AS	5	0	0	0	3	2
FAM138B	0	0	0	0	0	0
LINC0039	0	0	0	0	0	0
KIRREL1-IT	0	0	0	0	0	0
AC004994	0	0	0	0	0	0
AL049569.	0	0	0	0	0	0
AP000289.	0	0	0	0	0	0
AL158055.	27	12	37	23	29	35
BTBD9-AS	0	0	0	0	0	0

AC114814	0	0	0	0	0	0
AC016722	0	0	2	0	0	0
CYP4F26P	0	0	0	0	0	0
AL390962.	0	0	0	0	0	0
LINC00606	0	0	0	0	0	0
AL592429.	70	38	82	64	99	23
AC060234	7	8	6	10	3	8
AL132657.	6	11	14	9	15	16
AC092634	5	2	4	6	2	2
AC006455	0	0	0	0	0	0
AL356421.	0	0	0	0	0	0
AL450344.	0	0	0	0	0	0
AL359979.	0	0	0	0	0	0
PAPPA-AS	0	0	0	0	0	4
AC092567	0	0	0	0	0	0
AL390067.	7	4	2	3	5	0
AL137001.	0	0	0	0	0	0
LINC00343	0	0	0	0	0	0
AC092155	0	0	0	0	0	0
SHANK2-A	0	0	0	0	0	0
LINC00974	0	0	0	0	0	0
AL357793.	20	7	18	17	8	16
AL513314.	0	0	0	0	0	0
AL121899.	0	9	0	5	0	4
AP006216.	1	1	2	0	0	0
AL365356.	0	1	12	7	0	8
PLCG1-AS	65	21	64	34	30	44
AC019118	5	0	0	0	0	0
AC096732	0	0	0	0	0	0
AC021028	45	7	26	12	3	37
AC004973	0	0	0	0	0	0
AL020998.	2	0	0	1	0	2
AL354977.	0	0	2	3	0	0
LINC01108	0	0	6	0	0	0
TEX41	7	0	14	16	11	23
BX248123.	7	0	8	4	4	4
AL606748.	0	0	0	0	0	0
AC073311	0	0	0	0	0	0
AC020595	0	0	0	0	3	0
LINC01535	7	4	10	21	20	11
ENTPD1-A	688	269	740	482	365	494
AL441943.	0	0	0	0	0	0
LENG8-AS	408	97	325	168	103	313
AL034380.	0	0	0	2	0	2
AL360181.	27	9	39	38	11	26
MIR217HG	0	0	0	0	0	0
AL161452.	4	0	7	2	0	0
AL359458.	0	0	0	0	0	0
AC073409	0	0	0	0	0	0
FGF12-AS1	0	0	0	0	0	0
FAM66C	145	63	123	130	51	105
LINC01709	0	0	0	2	0	0
AL589986.	0	0	0	0	0	0
PTPRD-AS	0	0	0	0	0	0
LINC00424	0	0	0	0	0	0
PABPC1L2	0	0	0	0	0	0
AL138826.	0	0	0	0	0	0
AL358972.	0	0	0	0	0	0

LINC02554	0	0	0	0	0	0
SMCR5	4	5	25	16	7	4
AC007966	0	0	0	0	0	2
AF127936.	28	10	12	25	19	18
AL606760.	2	7	2	8	4	0
AC007365	0	3	10	2	9	3
PP12613	0	0	0	0	2	0
DISC1-IT1	71	45	73	54	56	52
DAB1-AS1	0	0	1	0	0	0
AL451164.	0	0	0	0	0	0
AC010145	0	0	0	0	0	0
AC000124	0	0	0	0	0	0
AP001136.	0	0	0	0	0	0
AL021393.	0	0	0	0	0	0
FAM30A	2687	1498	2261	1212	1696	1752
NAALADL2	4	0	9	5	9	0
AC244035	0	2	0	6	0	0
AC117465	0	0	0	0	0	0
AC109826	143	25	80	62	56	70
AC005828	0	0	0	0	0	0
AL138749.	0	0	0	0	0	0
CACTIN-A	42	36	60	35	23	35
ZNF451-A	15	15	32	19	8	10
AC011893	12	8	3	0	12	5
LINC00840	0	0	0	0	6	0
AL117382.	0	0	0	0	0	0
LINC01941	0	0	0	0	0	0
AC005082	23	10	62	14	27	9
MEIS1-AS3	2	0	0	0	0	0
AL390036.	237	208	365	191	269	198
AC006001	89	47	92	61	43	43
LINC01509	0	0	0	0	0	0
AL591885.	2	0	0	0	0	0
AC093655	0	0	0	0	0	0
AC092164	22	6	24	9	11	16
AC097059	0	0	0	0	0	0
AL158834.	2	3	2	0	0	0
LINC00348	0	0	0	0	0	0
AL109811.	126	54	79	88	64	82
AC004112	1	0	0	0	0	0
AC010894	0	2	5	0	0	0
AL451105.	0	0	0	0	0	0
THORLNC	0	0	5	4	6	2
LINC02051	0	0	0	0	0	0
AL390835.	0	0	0	0	0	0
AC104463	17	8	13	11	12	8
AC096637	0	0	0	0	0	0
LHFPL3-AS	0	0	0	0	0	0
AC135178	0	0	0	0	0	0
AC002472	0	0	0	3	0	0
AC092801	7	0	4	3	3	0
AL354733.	10	0	5	0	5	1
AL035416.	0	0	0	0	0	0
AL359541.	2	0	0	0	0	0
Z97652.1	2	0	6	0	0	0
LINC01359	313	148	159	93	80	116
AL731577.	0	4	9	0	0	5
AL451069.	0	0	0	0	6	3

LINC00354	0	0	0	0	0	0
AL353608.	27	16	11	3	10	7
TTTY4	0	0	0	0	0	0
BSN-DT	10	0	0	4	0	0
LINC01276	0	0	0	0	0	0
AL365184.	0	0	0	0	0	0
AL160004.	56	25	37	37	32	30
LINC00454	0	0	0	0	0	0
IL1R1-AS1	0	0	0	0	0	0
AL451081.	0	0	0	0	0	0
LINC00161	0	0	0	2	0	2
AC119428	0	0	0	0	0	0
AC062021	0	0	0	0	0	0
AL031847.	3	0	2	0	0	0
DANCR	666	282	648	619	324	230
AC010890	0	0	0	0	0	0
AL023802.	2	2	0	0	2	0
AP000432.	0	0	0	0	2	0
AL358075.	2	0	4	3	0	0
AC078883	22	9	12	6	14	10
AC092167	0	0	0	0	0	0
LINC00423	0	0	0	0	0	0
AL391845.	0	0	0	0	0	0
MAGI2-AS	0	0	0	0	0	0
LINC01692	0	0	0	0	0	0
LINC01203	0	0	0	0	2	0
AC025946	0	0	0	0	0	0
AC145625	0	0	0	0	0	0
AC012593	0	0	0	0	0	0
LINC00658	0	0	0	0	0	0
AP000477.	0	0	0	0	0	0
AL136988.	2	5	5	9	2	0
LINC01247	0	0	0	0	0	0
C17orf112	0	0	0	0	0	0
LINC02527	0	0	0	2	0	3
AC007285	71	10	33	66	42	40
AL583808.	0	0	0	0	0	0
AC007036	10	0	10	6	8	3
AC007557	0	0	0	0	0	0
SLC8A1-A	8	10	31	11	6	11
AL139237.	0	0	0	0	0	0
AC019130	0	0	0	0	0	0
LINC00511	21	16	57	39	44	6
ITGB2-AS1	1768	1060	903	197	954	346
AC003666	0	4	0	0	3	0
LINC01682	0	0	0	0	0	0
AL589765.	3	2	3	4	3	3
AC012065	0	0	0	0	0	0
AL512288.	11	0	2	5	0	0
AC105446	24	1	25	12	5	10
LINC00629	2	0	0	0	4	0
AC079779	2	0	0	0	0	0
Z98257.1	14	7	19	12	7	0
AL162584.	2	0	0	0	0	0
AC104170	10	2	6	5	0	10
FOCAD-AS	0	0	0	0	0	0
AP000472.	0	0	0	0	0	0
AL158166.	50	28	76	44	50	36

LINC02094	0	0	5	5	0	0
AC244021	38	18	35	29	8	39
L29074.1	5	0	0	4	0	2
AC084149	0	0	0	0	0	0
AL031767.	0	0	0	0	0	0
AP000402.	0	0	0	0	0	0
AL355990.	0	0	0	0	0	0
AL512785.	0	0	0	0	0	0
AC073636	0	0	0	0	0	0
AC025822	0	0	0	0	0	0
AC104667.	0	0	2	0	0	0
LMCD1-AS	0	0	0	7	6	0
LINC01630	0	0	0	3	0	3
HORMAD2	0	5	4	3	9	0
AC073174	0	0	0	0	0	0
AP002856.	0	0	0	0	0	0
LBX1-AS1	0	0	0	0	0	0
AL139275.	0	0	0	0	0	0
AC241644	0	0	0	0	0	0
LINC01153	0	0	0	0	0	0
IL21-AS1	2	4	7	14	0	6
AC069285	0	0	0	0	0	0
AL669970.	0	0	0	0	0	0
AL161725.	28	14	34	24	18	17
AC068535	0	0	0	0	0	0
AC092755	10	14	26	13	12	12
WDR11-AS	139	213	424	160	603	220
AL442638.	0	0	0	0	0	0
Z98747.1	0	0	0	0	0	0
AF178030.	3	0	12	7	2	3
AC011290	0	0	0	0	0	1
AL590677.	0	0	0	0	0	0
LINC01688	0	0	0	0	0	0
AC018511	0	0	0	0	0	0
MGAT3-AS	0	0	0	0	0	0
AC092535	136	45	138	70	90	65
AL023581.	6	5	4	5	0	3
AC244453	0	0	0	0	0	0
MIR663AH	14	3	53	12	11	6
AC009365	1	0	0	0	0	0
C6orf47-A	20	14	34	25	12	16
ST7-AS1	12	17	24	9	20	4
AL162724.	33	33	73	48	39	41
AL645937.	0	0	0	0	0	0
AC079145	0	0	0	0	0	0
SPATA13-	0	0	0	1	2	0
HCG15	0	0	0	0	4	0
AL355613.	0	0	0	0	0	0
AL356276.	7	0	16	0	3	10
AL157935.	11	5	12	15	12	16
AL133346.	0	0	0	0	0	0
AC017101	0	0	0	2	0	0
AL606534.	0	2	0	4	0	0
AL672291.	5	2	0	6	4	0
AL356272.	3	4	2	6	3	9
LINC00845	0	0	0	0	0	0
AC092042	0	0	0	0	0	0
FAM155A-	0	0	0	0	0	0

AC105760	59	14	84	68	24	49
AL158834.	7	5	15	15	8	6
MIS18A-A	0	6	0	4	0	4
SMIM2-AS	12	6	0	0	0	4
LINC01985	0	0	0	0	0	0
AL162427.	2	0	0	0	4	0
AC005358	0	0	0	0	0	0
AL603839.	0	0	4	0	0	0
AC110015	0	0	0	0	0	0
AL389889.	0	0	0	0	0	0
LINC01364	2	0	0	0	0	2
AC009229	0	1	0	0	0	2
AC118345	0	0	0	0	0	0
AC016994	0	0	0	0	0	0
AL035541.	7	5	0	3	7	9
AL356489.	0	0	0	0	0	0
AC239727	0	0	0	0	0	0
AC073188	0	0	0	0	0	0
AP006285.	0	0	0	0	0	0
AC010998	0	0	0	0	0	0
AC009502	0	0	0	0	0	0
AL365500.	0	0	0	0	0	0
AF130417.	0	0	0	0	0	0
LINC00434	0	0	0	0	0	0
AL139280.	0	0	0	0	0	0
LINC00307	0	0	0	0	0	0
ARHGEF7-	0	0	0	0	0	0
RBM26-AS	157	77	108	125	60	84
AL359644.	21	23	34	39	43	18
LINC00866	6	3	8	0	0	5
AC017074	25	14	27	24	24	16
AL512658.	0	0	0	0	0	0
AC018685	0	0	0	0	0	0
AC008060	0	0	0	0	0	0
AL121983.	0	2	15	10	3	9
AL157832.	49	34	38	57	34	40
DLG1-AS1	0	0	0	0	0	0
AC091705	0	0	0	0	1	0
AL133410.	119	65	118	105	33	79
HPN-AS1	0	0	0	0	0	0
KIF9-AS1	116	91	163	116	97	129
AC012501	0	0	0	0	0	0
LINC01806	345	103	137	307	120	176
AC245884	30	17	57	32	35	22
ZMYM4-A	0	0	0	0	0	0
PCGEM1	0	0	0	0	0	0
LINC01724	0	0	0	5	0	0
CSE1L-AS1	8	5	4	2	4	0
AC053503	0	0	0	0	1	0
AP001471.	0	2	0	6	0	3
TTTY17B	0	0	0	0	0	0
AL450345.	0	0	0	0	0	0
LINC00310	114	31	88	60	37	65
AC079612	0	0	0	0	0	1
AL390838.	2	2	0	0	0	0
AL590783.	0	0	0	0	0	0
LINC01537	7	4	10	5	0	0
AL355300.	0	0	0	0	0	0

STK4-AS1	2	2	0	0	0	2
AC124861	0	0	0	0	0	0
CCDC148-	0	0	0	0	0	0
AC008080	0	4	0	2	0	0
AL157702.	0	2	0	0	0	0
CR559946.	11	4	17	6	4	10
AL162400.	0	0	0	0	0	0
AL445472.	100	52	124	104	50	53
NCAM1-A	0	0	5	7	0	0
AC006458	0	0	0	0	0	0
AL138921.	0	2	5	3	0	2
AC004771	8	13	25	9	4	20
AC099066	0	0	0	0	0	0
AC018359	0	0	0	0	0	0
LINC01268	9	7	12	2	14	8
LINC01624	122	37	116	84	56	71
LINC01839	0	0	0	0	0	0
LINC01442	0	0	0	0	0	0
AL592301.	6	8	29	8	5	7
AL160163.	0	0	0	0	0	0
LINC01483	40	18	39	15	24	8
AL928970.	0	3	8	5	0	0
AL008719.	0	0	0	0	0	0
AC096540	0	0	0	0	0	0
DIAPH3-A	0	0	0	0	0	0
AL162414.	6	0	0	0	0	0
SLC2A1-A	99	6	40	28	53	91
AL357315.	3	4	8	15	2	8
DNAJC9-A	28	20	44	32	20	24
AC092614	4	0	0	0	0	0
SPAG5-AS	88	70	105	69	69	67
AC018647	0	0	0	2	0	0
AC116035	0	0	0	0	0	0
AL590422.	0	0	0	0	0	0
MIR4290H	0	0	0	0	0	0
AC074257	0	0	0	0	0	0
LINC00376	0	0	0	0	0	0
AC112229	0	0	0	0	0	0
AL122019.	0	0	0	0	0	0
CNTN4-AS	0	0	0	0	0	0
AL136528.	0	0	0	0	0	0
AL031316.	3	12	9	17	9	20
Z94721.1	35	33	63	56	15	27
AL031676.	0	0	0	0	0	0
AL031779.	0	0	0	0	0	0
AC005392	0	0	0	0	0	0
FRMPD3-A	2	0	0	0	0	0
LINC01074	0	0	0	0	0	0
CERS6-AS	18	4	33	7	14	4
AL391056.	0	0	7	0	6	0
AL080276.	252	102	153	225	133	136
LINC01132	14	0	4	4	9	7
LINC01714	0	0	0	0	0	0
SOX21-AS	4	5	0	0	6	10
STEAP2-A	0	0	0	0	2	0
AC005160	3	3	4	2	1	0
CLYBL-AS2	0	0	4	0	0	0
UST-AS1	0	0	0	0	0	0

AL162734.	0	0	0	0	0	0
LINC00355	0	0	4	8	0	0
LINC01068	0	0	0	0	4	0
AL355581.	2338	841	1342	1910	659	851
AC108051	0	0	3	6	0	0
AL033504.	0	0	0	0	0	0
AL358394.	0	0	0	0	0	0
LINC02088	2	2	5	2	10	3
AL713965.	0	0	0	0	0	0
DNMBP-A	3	2	5	0	0	0
AP001619.	18	15	33	15	20	12
LINC00111	0	0	0	0	0	0
AL354892.	7	5	10	4	8	5
AL391097.	2	0	2	4	0	0
AL713998.	0	0	0	0	0	0
LINC01850	0	0	0	0	0	0
AL359915.	0	0	4	0	2	0
AC092159	0	0	0	0	0	0
AP000459.	0	0	0	0	0	0
AC016730	0	0	0	0	0	0
AC006042	2	2	3	4	0	4
AL596188.	0	0	0	0	0	0
AP001271.	0	0	0	0	0	0
AC239809	0	0	0	3	2	0
AL590378.	0	0	0	0	0	0
AL513329.	19	20	48	31	16	20
AL121987.	54	33	54	53	51	49
AC004875	0	0	0	0	0	0
LINC01940	0	0	0	0	0	0
AL138916.	0	0	0	0	0	0
AC004824	14	0	21	15	12	12
AP000282.	3	3	11	3	0	3
LINC01693	0	0	0	0	0	0
AC072062	3	0	5	0	6	3
ASH1L-IT1	54	29	67	64	37	64
AC002553	85	41	59	43	31	56
AL158198.	8	4	2	5	6	3
AL355674.	0	0	0	0	0	0
INKA2-AS1	83	39	112	114	83	52
AL590408.	0	0	0	0	0	0
AC122136	0	0	0	0	0	0
AL121885.	0	0	0	0	0	0
SUCLA2-A	0	0	0	0	0	0
AC021035	0	0	0	0	0	0
AL358075.	0	0	2	0	0	0
AC002383	0	5	0	0	0	0
AC073486	0	0	0	0	0	0
AL050402.	0	0	0	0	0	0
AL590652.	13	6	5	12	8	10
FAM66A	27	41	27	11	9	13
LINC00352	0	0	0	0	0	0
ISX-AS1	0	0	0	0	0	0
AL731569.	63	30	56	53	24	57
AC062032	0	0	0	0	0	0
SNAP25-A	0	0	0	0	0	0
AL158837.	0	0	0	0	0	0
FLJ31104	49	36	46	43	30	41
LINC02344	9	4	19	8	19	3

AL441943.	0	0	0	0	0	0
AL136979.	0	0	0	0	0	0
AL449043.	0	0	0	0	0	0
AL353597.	229	66	145	163	88	227
LINC0165	3	5	3	3	6	0
MACROD2	0	0	0	0	0	0
SRGAP3-A	0	0	0	0	0	0
AC003087	0	0	0	0	0	0
AL357874.	12	4	0	2	0	0
AL390243.	0	0	0	0	0	0
AC104695	0	0	0	0	0	0
LINC0169	0	0	0	0	0	0
AL590006.	52	16	6	17	13	16
AC007383	75	59	113	51	32	75
LINC0173	0	0	0	0	0	0
LINC0134	86	21	83	62	29	97
TARID	0	0	4	0	0	0
AL390778.	0	0	0	0	0	0
AL451042.	0	0	0	3	0	0
AL138799.	0	0	0	0	0	0
RBM15-AS	43	30	52	48	28	22
LINC0142	0	0	0	0	0	0
AC012668	0	0	0	0	0	0
AC092675	0	0	0	0	0	0
AC020743	0	0	0	0	0	0
AC105935	6	12	2	5	6	12
AC073343	40	24	35	38	22	16
IL6R-AS1	19	14	18	10	10	13
RAPGEF4-	0	0	0	0	0	0
AL158835.	0	0	0	0	0	0
HCG20	14	0	9	6	8	15
AL136369.	0	0	0	0	0	0
AC069257	0	0	0	0	0	0
AC078842	0	0	0	0	0	0
AC010967	0	0	0	0	0	2
NGF-AS1	0	0	0	0	0	0
AL139246.	43	12	44	28	36	23
AC114763	70	58	84	69	51	49
AL160408.	0	0	0	0	0	0
AL355314.	0	0	0	0	0	0
LINC0086	0	0	0	0	0	0
LINC0173	4	0	13	0	6	6
AL365277.	5	4	6	5	5	3
AC131571	2	3	2	4	0	3
LYPLAL1-[	31	35	10	23	142	19
AC023469	0	0	0	0	0	0
LINC0151	6	8	1	2	0	0
LINC0174	0	0	0	0	0	0
AL139008.	0	0	0	0	0	0
AC133106	0	0	0	0	0	0
AC012368	52	42	27	18	24	24
Z86062.2	0	0	0	0	0	0
AC118553	0	2	5	5	8	3
AL589990.	0	13	7	0	2	0
LINC0182	0	0	0	0	0	0
LINC0175	0	0	0	0	0	0
AL392172.	132	60	141	108	63	86
AP000692.	105	47	99	83	84	96

AC092839	0	0	0	0	0	0
MELTF-AS	25	3	16	8	10	18
AC003991	5	9	14	13	6	6
AL161725.	11	0	6	5	1	7
AP001631.	0	0	0	0	0	0
AL096678.	13	5	15	13	5	8
FALEC	8	7	7	10	0	3
LINC01649	0	0	0	0	2	0
AC099684	0	0	0	0	0	0
LINC01494	0	0	0	0	0	0
AL773545.	0	0	0	0	0	0
AP001469.	14	6	11	17	9	9
LINC01402	0	6	8	9	4	3
AL031283.	183	121	291	262	174	102
AL354861.	0	0	0	0	0	0
AL357140.	16	6	11	7	2	6
AC004941	0	0	0	0	0	0
AL161793.	0	0	0	0	0	0
AL133343.	0	2	0	0	2	2
AC007952	37	8	6	15	2	3
LINC01674	0	0	0	0	0	0
AL158069.	0	0	0	0	0	0
AC097713	0	0	0	0	0	2
AL158147.	0	0	0	0	0	0
AL031963.	3	0	4	2	0	3
AL020996.	97	25	110	71	47	64
AC091770	0	0	0	0	0	0
AL162385.	0	0	0	0	0	0
AC092265	0	0	0	0	0	0
AL592486.	0	0	0	0	0	0
AL512353.	14	1	17	9	13	10
AL022341.	29	3	14	12	3	13
RNF144A-	49	13	70	19	27	39
AC004830	0	0	0	0	0	0
C1orf143	0	0	4	0	0	0
NLGN1-AS	0	0	0	0	0	0
AL954650.	0	2	45	10	23	0
AL355607.	3	0	3	4	2	9
LINC00578	0	0	2	0	2	0
AC073050	0	0	0	0	0	0
HCG11	1027	441	1031	992	663	865
AC012070	0	0	0	0	0	0
AC243961	0	0	0	0	0	0
AL589946.	0	0	0	0	0	0
AP001476.	0	0	0	0	0	0
EFCAB14-A	0	0	3	0	0	0
AL138900.	0	0	0	0	0	0
TTTY17A	0	0	0	0	0	0
AC093495	143	185	331	204	102	105
AC012442	98	26	55	78	29	48
AC096639	0	0	0	0	0	0
AL162742.	7	11	14	12	3	4
LINC01320	2	6	3	5	19	2
LINC02048	0	0	0	0	0	0
AC106874	0	0	0	0	0	0
AL021707.	34	16	20	24	11	11
ARMCX3-A	0	3	1	3	2	0
AC112518	0	0	2	0	0	0

AL731568.	123	52	159	69	111	103
PCAT6	0	3	0	0	3	0
TBX18-AS	0	0	0	0	0	0
AL049712.	6	0	2	13	4	3
LINC00392	0	0	0	0	0	0
TTTY4C	0	0	0	0	0	0
AL512770.	4	10	6	2	7	5
LINC01209	2	0	2	6	0	0
LINC01350	0	0	0	0	0	0
GUSBP11	5098	3329	6771	4992	3044	3969
AL158070.	2	0	2	0	0	2
AP001610.	4	3	11	0	0	0
AL162419.	0	0	0	0	0	0
AC008440	5	4	16	17	3	2
LINC01890	0	2	6	0	3	0
AC024028	0	0	34	49	14	17
LINC01784	0	0	0	0	0	1
MIR646HG	364	234	883	503	228	353
AC115618	2	0	3	0	0	0
LINC02585	0	0	0	0	0	0
AC018832	0	0	0	0	0	0
AL354989.	0	0	0	0	0	0
AL450322.	2	0	0	0	0	0
BX322559.	0	0	0	0	0	0
LINC02263	0	0	0	0	0	0
AL606970.	0	0	0	0	0	0
AC015971	5	11	24	13	6	8
AL133351.	0	0	0	0	0	0
AC106873	8	0	0	0	0	0
TXNDC12-	0	0	0	0	0	0
SMIM10L2	2	0	0	0	0	0
AC010891	0	0	0	0	0	0
ITPKB-IT1	527	171	510	304	152	299
AC007040	0	0	0	0	0	0
AL031668.	5	0	7	0	3	0
AC011995	0	0	0	0	0	0
AL162391.	0	0	0	0	0	0
LINC01004	221	70	124	173	120	173
AL356481.	55	19	61	27	34	23
LINC01635	7	5	11	9	0	6
AC079154	0	0	0	0	0	0
HSPC324	0	0	0	0	0	0
AC035139	51	24	99	51	48	36
AP001468.	2	0	0	3	0	0
AL031056.	16	9	42	33	23	11
AL022068.	0	0	0	0	0	0
LINC01185	2	4	0	0	1	0
AL360182.	5	3	3	0	0	4
LINC01768	4	0	0	0	0	0
AC005013	0	0	4	0	2	0
LINC00687	0	0	0	0	0	0
AL357552.	42	22	41	27	46	28
AL645634.	0	0	0	0	0	0
AL590764.	135	48	162	192	84	131
AC004951	538	270	700	385	346	406
AL139260.	38	28	37	41	23	33
LINC02474	0	0	0	0	0	10
AL137244.	67	34	64	63	31	59

AC098484	1	0	1	0	1	0
LINC0154	0	0	0	0	0	0
AL845311.	0	0	0	0	0	0
AL929236.	0	0	2	0	0	0
AL138885.	0	0	0	0	0	0
U51244.1	2	0	7	0	2	3
LINC0171	0	0	0	0	0	0
AL137025.	0	0	5	0	0	0
GRK5-IT1	94	113	243	94	92	97
AL450263.	2	0	7	0	0	0
AC092168	0	0	0	0	0	0
LINC0101	46	29	83	51	17	34
AC106875	0	0	0	0	0	0
AL357558.	0	0	0	0	0	0
LINC0176	0	0	0	0	0	0
AC011897	0	0	0	0	0	0
AL513550.	287	186	326	303	191	217
AC006460	6	0	0	2	0	0
AC099552	0	0	0	0	0	0
MIR34AH	13	9	28	13	32	22
AC016396	0	0	0	0	2	2
AC068057	0	0	0	0	0	0
AL513283.	0	0	0	0	0	2
AC009411	0	0	0	0	0	0
AL157413.	0	0	0	0	0	0
AC073326	51	27	29	39	16	39
AC093159	2	0	5	0	1	0
AC003684	0	0	0	0	0	0
CCDC183-	274	116	254	187	126	166
ITPKB-AS1	10	0	3	3	2	0
BX284668.	0	0	0	0	0	0
AL389885.	0	0	0	0	0	0
AC004837	0	0	0	5	0	0
AL033519.	0	0	0	0	0	0
AL513323.	0	0	0	0	0	0
AC026355	0	0	0	0	0	2
AL133247.	0	0	0	0	0	0
LINC0100	0	2	0	0	0	0
AC022387	0	0	0	0	2	0
AC073133	0	2	0	0	0	2
AL138962.	9	0	5	1	3	0
AC010731	0	0	0	0	0	0
AC005042	0	0	0	3	0	0
AL049748.	6	0	0	0	7	0
MIR4432H	234	161	340	215	306	143
D21S2088	0	0	0	0	0	0
AC013436	3	0	0	0	2	2
MACC1-A	0	0	0	0	0	0
AL121759.	0	0	0	0	0	0
AL139011.	25	34	47	34	22	12
AC141930	0	0	0	0	0	0
AC012462	0	0	0	0	0	0
Z97056.1	0	0	0	0	0	0
Z82198.1	0	0	0	0	0	0
HDAC2-A	22	7	21	28	14	14
AL451047.	0	0	0	0	0	0
AC009468	0	0	0	0	0	0
AC092295	2	2	4	7	1	0

HOTAIR	0	0	0	0	0	0
AL136115.	11	0	5	6	4	0
AL358214.	0	0	0	0	0	0
ROCR	0	0	0	0	0	0
AC079779	6	1	17	6	3	11
AL353747.	0	0	0	0	0	0
SNHG26	280	173	401	239	151	187
AC008940	0	2	0	0	0	0
AC096558	6	5	9	7	14	4
AL772202.	0	0	0	0	0	0
LINC01201	0	0	0	0	0	0
AC090587	5	4	4	0	3	6
LINC00448	0	0	0	0	0	0
AC006482	0	0	0	0	0	0
TTC3-AS1	0	0	0	3	0	0
AL034347.	7	4	10	4	5	5
AC004692	0	0	0	0	0	0
AC016820	0	0	0	0	0	0
AL590723.	2	0	3	7	0	2
AL355997.	0	0	0	0	0	0
AL445307.	0	0	0	0	4	0
AL023755.	0	0	0	0	1	0
TNKS2-AS	0	2	3	8	0	3
AL355310.	5	13	27	7	10	4
LINC00659	15	20	12	9	12	31
AL691426.	0	0	0	0	0	0
AL109763.	0	0	0	0	0	0
LINC02575	0	15	6	6	5	17
AL691420.	0	0	0	0	0	0
LINC02521	0	0	0	0	0	0
AL022313.	5	7	0	0	0	2
SRGAP3-A	0	0	2	0	0	0
LINC02013	0	0	0	0	0	0
AC096543	0	0	0	0	0	0
AC011228	0	0	0	0	0	0
AC008781	1	0	1	2	0	0
AL162384.	0	0	0	0	0	0
GABRG3-A	0	0	0	0	0	0
SPATA13	0	0	0	2	2	0
LINC02577	0	0	3	0	0	0
AL450306.	10	9	3	18	2	1
LINC01672	0	0	0	0	0	0
LIMS1-AS1	0	0	0	0	0	2
AC003101	5	7	7	2	3	4
AL033539.	0	0	0	0	0	0
WEE2-AS1	59	35	74	64	40	44
LINC02534	0	0	0	0	0	0
AL513542.	0	0	0	0	0	0
Z69666.1	2	2	7	7	6	0
LINC00954	1232	462	1095	672	334	541
LINC00266	0	0	0	0	0	0
NLGN4Y-A	0	0	0	0	0	0
HCG22	0	0	16	3	0	0
THRB-AS1	0	0	0	0	0	0
AL356310.	0	0	0	0	0	0
AL138881.	2	0	2	0	0	0
LINC01128	723	653	1054	479	452	480
LINC01939	2	0	0	0	0	0

AL590068.	0	0	3	0	0	0
AC064807	202	70	132	118	97	73
AC073641	0	0	0	0	0	0
AC072022	0	0	8	3	4	0
AL034428.	0	0	2	5	2	2
LAMA5-AS	0	0	0	0	0	0
BACH1-IT	450	254	467	510	300	215
MIR4500H	0	0	0	0	0	0
AL592494.	5	4	5	1	6	3
AL160408.	134	87	258	118	101	64
AC012123	70	20	28	15	11	11
AL355483.	0	0	0	0	0	0
PIK3IP1-A	60	26	59	53	34	35
PCDH9-AS	0	0	0	0	0	0
AL133410.	9	5	16	8	6	0
AC092802	0	0	0	0	0	0
NEGR1-IT	0	0	1	0	0	0
AC104653	61	71	82	65	136	121
AC068389	0	6	0	0	0	0
AL121985.	156	112	137	111	79	74
AC012307	2	0	0	0	0	0
AC010745	0	0	0	0	0	0
AL669970.	0	0	0	0	0	0
SEPT7-AS1	178	89	126	72	85	113
AL138963.	81	40	93	73	51	61
LINC01428	0	0	0	0	0	0
UBAC2-AS	55	31	34	42	43	35
TTTY21	0	0	0	0	0	0
AL353804.	180	114	186	112	79	186
LINC01803	0	0	0	0	0	0
AL591806.	0	0	0	0	0	0
LINC01344	0	0	0	0	2	4
AC097381	2	2	1	0	0	0
AP000355.	2	13	15	6	0	9
AC016722	0	4	10	8	0	0
AC107419	0	0	0	0	0	0
AKT3-IT1	216	133	276	269	130	179
AC004485	0	0	0	0	0	0
AC023137	1	0	0	2	0	0
AL365356.	0	0	0	0	0	0
LINC02041	0	0	0	0	0	0
SATB1-AS	2099	813	1493	1488	844	1485
AL049812.	0	0	0	0	0	0
LINC0169(	0	0	0	0	7	0
AC096554	0	0	0	0	0	0
AL356479.	0	0	0	0	0	0
AC009955	0	0	0	0	0	0
LINC01205	0	0	0	0	0	0
AL353771.	2	0	0	0	0	0
AC096570	0	0	0	0	0	0
HNF4A-AS	0	0	0	0	6	0
LINC01038	0	0	0	0	0	0
AC003685	0	0	0	0	0	0
LINC01277	0	0	4	2	0	0
AL161457.	0	0	5	3	0	0
AL450992.	15	4	15	13	14	13
AP001595.	0	0	0	0	0	0
AL031656.	0	0	0	0	0	0

AC091729	124	68	107	98	48	120
AL451070.	0	0	0	0	0	1
AF127577.	4	0	0	2	0	0
LINC01788	0	0	0	0	0	0
AC020571	77	30	86	42	33	64
AL354893.	0	2	0	2	3	0
AC093459	0	0	0	0	0	0
LINC01165	1	0	0	4	3	0
LINC01548	0	0	0	0	0	0
AC076966	2	0	0	0	0	0
ASTN2-AS	0	0	0	0	0	0
LINC02587	0	0	0	0	0	0
AL137847.	4	0	10	1	2	0
MED4-AS1	0	3	11	3	0	0
AL137026.	0	0	2	0	0	0
AC068491	0	0	2	0	0	0
AGBL5-IT1	6	2	4	0	2	0
VIM-AS1	2433	1527	4696	2346	2720	1978
AC007038	1166	459	900	982	594	932
AC016710	0	0	0	0	0	0
CCDC26	15	28	39	44	54	53
AC233976	96	34	107	82	19	43
ANKRD10-	1149	649	1465	1127	667	772
EPHA1-AS	758	473	442	466	302	685
KCNQ5-AS	0	0	0	0	0	0
LINC02038	0	0	0	0	0	0
AC009229	0	0	1	0	0	5
AL445471.	7	3	29	17	10	11
AC114488	0	0	0	0	0	0
LINC00382	0	0	0	0	0	0
AC008154	0	0	0	0	0	0
AC233280	0	12	8	0	0	0
AL050349.	0	0	0	0	1	0
AC069542	0	0	0	0	0	2
AL358473.	12	12	11	8	0	8
AC004870	0	0	0	0	0	0
AC009495	12	9	18	33	13	12
AC087071	20	12	14	29	4	10
AC092783	0	0	0	0	0	0
AC103564	0	0	0	0	0	0
LINC00200	0	23	5	185	3	5
AL162408.	0	0	0	2	0	0
AC073987	0	0	0	0	0	0
LINC00242	0	0	0	0	0	0
AC105398	0	0	0	0	0	0
AL162400.	0	0	0	0	0	0
AL356056.	0	3	0	0	0	2
LINC00582	0	0	0	6	0	0
AC022201	0	0	0	0	0	0
AC011891	0	0	11	6	3	1
TTTY10	141	0	123	88	95	0
LINC00710	0	0	0	0	0	0
AL358452.	0	0	0	0	0	0
LINC01981	0	0	0	0	0	0
AL359636.	0	0	0	0	0	0
LINC00377	2	3	7	8	0	2
LINC00446	0	0	0	0	0	0
AC138089	8	2	2	0	0	2

AL807752.	0	0	0	3	0	3
AL445488.	2	2	3	3	1	3
AL596223.	7	4	7	7	2	2
AL160411.	0	0	0	0	0	0
AC004691	0	0	0	0	0	0
AC016708	30	5	17	19	17	10
AL451048.	0	0	0	0	0	0
AC091493	5	3	9	0	0	0
AL157788.	0	0	0	0	0	0
AL662860.	0	0	0	0	0	0
BX284656.	0	0	0	0	0	0
REV3L-IT1	14	11	18	16	10	13
AL133353.	0	0	0	0	3	0
AL031963.	0	0	0	0	0	0
AL356387.	0	0	0	0	0	0
AP000431.	0	0	0	0	0	0
AL139161.	0	0	1	0	0	1
AL139294.	0	0	0	0	0	0
AL451140.	0	0	0	0	0	0
AL121845.	27	18	16	29	9	29
AC006455	0	0	0	0	0	0
AP001464.	0	0	0	0	0	0
LINC00459	0	0	0	0	0	0
AC010737	15	0	29	32	23	0
AL353633.	0	0	0	0	0	0
BX088651.	0	0	0	0	0	0
AL353693.	0	0	0	0	0	0
AL133268.	0	0	1	0	0	0
MCHR2-A	0	0	0	0	0	0
AC008269	11	0	7	0	32	4
DLEU1-AS	0	0	0	0	0	0
ACAP2-IT1	428	254	399	357	238	275
AL391839.	0	0	2	0	0	0
AC006947	45	16	63	55	38	36
GK-IT1	35	54	67	23	8	12
AC046143	6	0	0	0	0	0
DANT1	0	0	0	0	0	0
AC079305	5	9	5	3	7	2
AL392185.	0	0	0	0	0	0
HYI-AS1	10	18	20	21	22	10
AC007563	0	0	0	0	0	2
LRRC3-DT	0	0	2	0	0	0
AC090587	70	51	99	76	51	48
AC073062	0	0	0	0	0	0
SZT2-AS1	6	3	29	20	5	8
LINC00452	2	0	0	0	0	0
AC006041	0	0	0	0	0	0
AC147651	2	0	0	2	0	0
BX322557.	5	0	3	4	0	0
AC010975	0	0	0	0	0	0
LINC01715	26	2	7	4	3	7
AL139246.	6	5	13	16	13	12
AC062039	0	0	0	0	0	0
AL596330.	0	0	0	0	0	0
MIR5689H	0	0	0	0	0	0
AL162151.	0	0	1	3	0	2
AC005999	0	0	0	0	0	0
LINC00858	4	8	2	4	2	14

AL359853.	0	0	0	0	0	0
KCNQ1-AS	0	0	0	0	0	0
AL136181.	2	1	0	4	0	0
AL512625.	65	15	27	52	20	28
AC007349	0	0	0	0	0	0
AJ009632.	4	3	3	2	18	2
AL139289.	7	7	9	10	14	9
LINC02069	0	0	0	0	0	0
AC017048	0	0	0	0	0	0
LINC00366	0	0	0	0	0	0
LINC00433	0	0	0	0	0	0
AL451062.	0	0	0	0	0	0
AC005162	3	0	0	3	0	0
AL157882.	0	0	0	0	0	0
LINC01789	0	0	0	0	0	0
AC010157	0	0	0	0	0	0
AC023669	0	1	0	1	0	0
LYST-AS1	0	0	7	0	0	0
AL731574.	0	0	0	0	0	0
LINC00362	0	0	0	0	0	0
AC243836	27	10	18	17	13	24
ALG13-AS	2	0	0	0	0	0
AC136489	0	0	0	0	0	0
AC012494	0	0	0	0	0	0
AL450327.	5	0	2	0	0	0
AC105053	2	0	0	0	8	0
AL391863.	2	7	16	7	0	0
AC068580	15	27	61	18	14	18
LINC00404	0	0	0	0	0	0
MYCBP2-A	88	31	53	72	60	42
LINC01523	0	0	0	0	0	0
AC053503	0	0	3	0	3	6
AC119677	0	0	0	0	0	0
Z99127.1	8	0	3	4	4	2
AC003986	0	0	0	0	0	0
LINC02572	6	0	2	2	0	1
LINC01739	0	0	0	0	0	0
AL353194.	36	11	48	23	13	21
AC010163	0	0	0	0	0	0
LINC00428	0	0	2	0	0	0
AC012445	0	0	0	0	0	0
LINC00379	0	0	0	0	0	0
SACS-AS1	0	0	0	0	0	0
LINC01204	12	4	24	4	2	5
LINC02264	0	0	0	0	0	0
AL356753.	20	14	27	10	14	6
LINC00358	0	0	0	0	0	0
AL358074.	0	3	10	4	8	4
AL158825.	53	53	78	69	53	63
AL390115.	0	0	0	0	0	0
ACVR2B-A	44	3	13	22	10	13
AC006017	111	45	110	122	85	84
LINC00411	0	0	0	0	0	0
AL391336.	0	0	0	0	0	0
AC004014	0	0	0	0	0	0
LINC01718	0	0	0	0	0	0
AL137027.	0	0	0	0	0	0
LINC01079	0	0	0	0	0	0

AL354707.	3	2	0	0	0	0
LINC01501	0	0	0	0	0	0
AC011287.	2	4	7	3	0	3
MBNL1-AS	237	193	396	201	272	164
LINC01822	0	0	0	0	0	0
AC016877.	0	0	0	0	0	0
AC073115.	15	11	45	40	26	21
LINC01264	0	0	0	0	0	0
LINC01758	0	0	0	0	0	0
AC087857.	0	0	0	0	0	0
LINC00280	0	0	0	0	0	0
AL109914.	4	3	2	2	0	3
MYOSLID	26	47	47	21	128	25
AL133387.	0	0	0	0	0	0
LINC02526	2	0	2	0	0	3
ITGB1-DT	9	0	13	2	4	0
AC004975.	0	0	0	0	0	0
AL137186.	0	0	0	0	0	0
MAST4-AS	10	6	4	6	12	10
LINC01150	28	10	13	12	9	0
AL450322.	0	0	0	0	0	0
Z73495.1	0	0	0	0	0	0
AC007327.	0	0	0	0	0	0
ISPD-AS1	0	0	0	4	0	0
SOS1-IT1	353	139	418	280	222	319
LINC00484	0	4	4	4	0	0
FAM242E	0	0	0	0	0	0
AL161636.	0	0	0	0	0	0
AL512366.	0	0	0	0	0	0
AC110615.	10	0	6	0	7	0
MIR194-2H	14	29	29	29	17	7
AL109924.	0	0	0	0	0	0
AL078590.	0	0	0	0	0	0
LINC01054	0	0	0	0	0	0
AC013460.	20	9	29	6	14	10
AL136531.	18	11	18	12	13	12
AC019349.	0	0	0	0	0	0
AL596220.	63	21	39	65	27	23
U91324.1	0	0	2	0	1	0
LINC01159	0	0	0	0	0	2
AC096649.	0	3	4	2	0	0
AC044781.	0	0	0	0	0	0
AL121910.	0	0	0	0	0	0
AL021396.	12	5	2	6	1	16
AL022337.	0	0	0	0	0	0
AL035665.	0	2	2	2	0	2
AC018866.	0	0	0	0	0	0
AL353148.	0	0	0	0	0	0
C4B-AS1	0	0	0	0	0	0
AC016751.	0	0	0	0	0	0
UBE2Q1-A	2	0	0	0	0	0
AC118754.	0	0	0	0	0	0
LINC00388	0	0	0	0	0	0
AL356259.	0	2	0	0	0	0
LINC00399	0	2	0	0	0	0
AC140481.	0	0	0	0	0	0
LINC01813	0	0	0	0	0	0
XIST	2	27536	6	0	9	13976

AC103925	0	0	0	0	0	0
AL360091.	91	87	174	107	69	96
AC018462	2	0	6	4	5	0
AC099788	0	0	0	0	0	0
EMX2OS	0	0	0	0	0	0
AC139149	31	9	35	14	9	31
ARSD-AS1	10	0	16	4	2	5
AC019205	443	133	480	355	121	299
AL357936.	0	0	0	0	0	0
AC008568	0	5	6	2	0	1
AL121972.	11	7	8	7	5	1
STEAP3-A	10	10	17	8	4	2
AL359878.	0	0	4	4	1	2
OGFR-AS1	2	4	5	1	5	0
CASC20	0	0	0	0	0	0
AC091685	0	0	0	0	0	0
AL450469.	0	0	0	0	2	0
LINC01315	15	4	9	13	6	4
AC005091	3	2	3	6	5	0
AL157373.	0	0	3	0	5	3
AC093151	0	2	2	2	0	6
AL669831.	0	0	0	0	0	0
AC128709	0	0	0	0	0	0
AL360295.	0	0	0	0	0	0
AC016999	3	4	4	3	3	5
DOCK9-AS	2	0	0	0	1	0
KIF25-AS1	5	0	20	4	0	8
LINC02528	0	0	0	0	0	0
AL583803.	0	0	0	0	0	0
AP001043.	0	0	0	0	0	0
LINC00400	0	0	0	0	0	0
AL137003.	54	38	42	21	25	23
MYO16-AS	0	0	0	0	0	0
AC012499	0	0	0	0	2	0
AC133865	0	0	0	0	0	0
TFAP2A-A	4	0	0	0	0	0
FLJ31356	8	2	13	9	21	15
AL590666.	2	0	0	0	8	0
Z98749.1	69	65	135	73	91	74
ZRANB2-A	32	10	22	14	25	16
AL031687.	0	0	0	0	0	0
AL590483.	1	0	0	0	0	0
AP000221.	0	0	0	0	0	0
AC080129	0	0	0	0	0	0
MAGEA4-A	0	0	0	0	0	0
AL136982.	0	0	0	0	0	0
AC007128	0	3	0	0	0	0
AL022313.	0	0	0	0	0	0
AL118523.	5	0	9	2	0	0
TOB1-AS1	25	13	39	32	23	19
LINC01435	1	0	0	0	0	0
AL606468.	0	0	0	0	0	0
AP001042.	0	0	0	0	0	0
MIR181A1	1217	470	1027	961	792	522
AC022400	2	2	8	5	2	2
AC093585	10	0	0	0	3	0
AL022238.	4	3	2	0	0	2
AC006455	0	0	4	0	0	0

AL359095.	27	3	20	9	8	8
ALMS1-IT1	244	129	293	289	153	200
SNAP47-A	0	2	0	2	4	0
AL049646.	0	0	0	0	0	0
AL359182.	0	5	5	0	3	0
LINC00709	0	0	0	0	0	0
AL365184.	0	0	0	0	0	0
NHS-AS1	0	0	0	0	0	0
AL590683.	0	0	0	0	0	0
AC092813	0	0	0	0	0	0
AL353742.	6	0	2	0	0	1
AC006357	0	0	0	0	0	0
IGSF21-AS	0	0	0	0	0	0
LINC00364	0	0	0	0	0	0
BIRC6-AS1	2	0	0	0	0	0
AL020994.	0	0	0	0	0	0
TRPM2-AS	0	0	6	0	4	0
AL360091.	186	140	366	210	147	190
AC010974	0	0	0	0	2	0
CDC42-IT1	310	238	524	362	246	222
AL162231.	17	10	16	10	12	23
PRRT3-AS	19	19	28	30	14	17
AC006059	21	4	20	5	19	23
AC108025	0	0	0	0	0	0
TMEM254	152	44	85	146	106	71
AC022535	0	0	0	0	0	0
TCERG1L-A	0	0	0	0	0	0
AL606490.	0	0	0	0	0	0
LINC02028	0	2	4	2	2	0
AL354793.	106	21	49	59	23	59
AL022316.	9	9	4	0	0	0
AL158209.	0	0	0	0	0	0
AC138207	0	0	0	3	2	0
AL590432.	0	0	0	0	0	0
TPRG1-AS	0	0	0	0	0	0
AL008723.	0	0	0	0	0	0
AL445070.	0	0	0	0	0	0
FGF12-AS2	0	0	0	0	0	0
AL160290.	17	9	12	23	13	9
LINC01721	3	0	0	4	0	0
AC119428	72	27	72	84	46	66
AC016738	0	0	0	3	0	0
LINC01075	0	0	0	0	0	0
HOXB-AS1	153	74	234	177	82	109
AL021707.	0	0	0	0	0	5
AF274573.	0	0	0	0	0	0
FO393401.	187	55	160	117	91	130
LINC00443	0	0	0	0	0	0
BX119904.	0	0	0	0	0	0
AL122010.	6	2	0	0	0	0
AC090957	0	0	0	0	0	0
LINC01790	0	0	0	0	0	0
LINC01149	11	9	8	8	10	14
LINC01433	0	0	0	2	2	0
AL080317.	346	106	315	259	191	234
SMYD3-IT	96	44	97	81	63	50
C9orf147	12	2	20	9	4	6
AC246680	0	0	0	0	0	0

AC005518	0	0	0	0	0	0
AC007952	0	0	0	0	0	0
AL359382.	0	0	0	0	0	0
AP000688.	3	5	7	9	3	12
LINC0184(	0	0	0	0	0	0
ATXN8OS	0	0	0	0	0	0
AL121829.	0	0	0	0	0	0
AC010163	0	0	0	0	0	2
AF240627.	0	0	0	0	0	0
AL162582.	0	0	0	0	0	0
Z98742.1	0	3	0	0	0	0
LINC0175(	0	0	0	0	0	0
AC005208	0	1	0	0	0	0
AL136322.	0	0	0	0	0	0
LINC0260(	1	4	2	5	2	0
XXYLT1-A(	5	5	4	6	10	12
LINC0252(	0	0	3	0	0	0
AC092807	0	0	0	0	0	0
AC013472	0	0	0	0	0	0
AL358781.	13	4	9	8	12	5
ARMC2-A(	0	0	0	0	0	0
NAALADL2	0	0	0	0	0	0
LINC0237(	0	0	0	0	0	0
AL590068.	0	0	0	2	0	0
STARD13-	0	0	2	10	2	6
AL353743.	9	0	2	0	0	8
AL121718.	0	0	0	0	0	0
AC010422	9	6	0	5	3	11
HCG24	3	0	0	0	0	0
ELOVL2-A	0	0	0	0	0	0
FEZF1-AS1	0	0	0	0	0	0
LINC0128(	1	2	0	0	0	0
AL022476.	2	0	8	13	5	0
AL136320.	3	7	8	4	7	4
LINC0015(	7	2	2	5	1	3
LINC0173(	0	0	0	0	0	0
AL359921.	56	30	64	43	48	43
AC004160	24	19	10	15	3	11
AL109811.	3	0	4	2	3	0
AL121580.	0	0	0	0	0	0
AL035250.	0	0	0	0	0	0
AL451129.	0	0	0	0	0	0
DSCR9	8	11	10	12	12	4
FAM41C	8	0	12	3	0	9
AP000146.	0	0	0	0	0	0
AL136376.	6	6	4	14	16	2
AC012507	40	28	67	40	132	40
AL118508.	4	2	2	0	10	25
LINC0104(	0	0	0	0	0	0
AC004835	0	0	0	0	0	0
AC092667	2	0	13	3	13	3
AC078960	4	1	2	5	0	3
LINC0174(	0	0	0	0	0	0
LINC0197(	0	0	0	0	0	0
LINC0134(	0	0	0	0	0	0
LINC0106(	0	0	0	0	0	0
AL161640.	0	0	0	0	0	0
AC007163	0	0	0	0	0	3

LINC01786	16	8	16	18	8	21
LINC00856	16	14	15	7	19	20
AL731684.	0	0	0	3	0	0
AL035413.	28	13	26	18	26	13
ERVMER61	143	35	60	79	46	65
AC095033	0	0	0	0	0	0
AC114803	0	0	0	0	0	0
AL031770.	6	0	6	0	0	0
LINC01650	0	0	0	0	0	0
AC004160	1	0	0	0	2	0
AL136460.	0	0	0	0	0	0
SERPINB9P	577	225	470	332	203	258
AL391119.	0	0	0	0	0	0
AC006333	0	0	0	1	6	0
LINC00276	0	0	0	0	0	0
LINC01381	0	0	0	0	0	0
U73166.1	214	105	178	141	80	171
PROX1-AS	0	0	0	0	3	0
AL078645.	69	39	119	122	60	41
AP000532.	0	0	0	0	0	0
AL135908.	0	0	0	0	0	0
AP000695.	0	0	2	4	0	0
AC124057	10	16	7	8	5	8
PSMG3-AS	278	217	414	415	237	222
VAV3-AS1	34	12	33	14	10	10
AL139383.	1	0	4	1	0	2
AL049651.	0	2	0	0	0	0
AL035409.	0	0	0	0	0	0
AC108463	0	0	0	0	0	0
MKX-AS1	0	0	0	0	0	0
AL354824.	0	0	0	0	0	0
THAP7-AS	50	57	53	92	31	38
AC092580	0	3	4	0	0	0
AL589642.	0	0	0	0	0	0
LINC01756	0	0	0	0	0	0
LINC01799	0	0	0	0	0	0
AC073370	0	0	0	0	0	0
LIMD1-AS	61	31	83	27	22	65
AC091133	28	15	20	18	9	26
AL356234.	3	6	10	0	4	0
AL392046.	7	8	3	6	5	5
AL360268.	0	0	2	3	0	0
AL158071.	91	13	72	105	15	45
AOAH-IT1	284	153	390	385	290	125
LINC00102	4	0	0	0	0	0
ERLNC1	0	0	4	3	0	0
AC021078	10850	6898	12668	10970	7552	8441
AC092162	11	2	6	0	0	0
AL450326.	45	14	77	41	28	40
AL121757.	4	0	1	4	0	0
ZNF32-AS	7	3	5	2	0	2
AC114763	0	0	0	2	0	0
AL513303.	0	0	0	0	0	3
AC013286	0	0	0	0	0	3
LINC02580	59	34	58	39	22	54
FTX	12836	6960	14678	12488	8878	10937
AL136164.	0	0	0	0	0	0
AC018495	0	0	0	0	0	0

AC073188	0	0	0	0	0	0
AC092683	983	410	1650	1105	930	1026
AC004039	0	4	0	0	0	0
HM13-AS1	3	5	11	9	8	4
AL139220.	0	0	0	2	5	0
AC104461	0	0	1	5	0	0
Z97205.1	0	0	0	0	0	0
AL160408.	0	0	0	0	6	0
DNM3OS	0	0	0	2	0	0
AL353152.	2	0	0	0	0	0
USP12-AS	0	2	0	0	1	0
LINC01818	0	0	0	0	0	0
AC022816	4	0	0	2	8	2
AL138831.	0	4	2	2	3	8
AC024084	28	21	39	43	29	36
RGPD4-AS	0	0	0	0	0	0
KLHL7-DT	25	10	48	31	11	12
FAM224B	0	0	0	0	0	0
AL844175.	0	0	0	0	0	0
AL353803.	0	0	0	0	0	0
ENO1-AS1	5	5	10	0	7	2
AC004869	0	0	0	0	0	0
AL158207.	10	0	5	0	10	0
AC067945	2	0	0	0	0	0
AL008626.	0	0	0	0	0	0
AC013402	0	0	0	0	0	0
AL450003.	0	2	2	0	0	0
AC012462	0	0	0	0	0	0
AC011753	3	1	12	9	13	6
AC105935	0	0	0	0	0	0
AL645608.	4	14	3	9	0	5
AL591178.	0	0	0	0	0	0
AL021940.	0	0	0	0	0	0
AC104024	14	0	1	5	21	14
LINC00332	10	0	0	4	0	0
AL355526.	0	0	0	0	0	0
AL451107.	0	0	0	0	0	0
LINC01001	546	336	1055	312	301	214
AL035252.	8	5	11	3	4	3
AL590093.	0	0	0	0	0	0
AL160270.	1	0	0	0	4	0
AC074011	0	0	0	0	0	0
AL589745.	0	0	0	2	0	8
AC016949	427	303	547	458	289	376
AC092171	34	10	22	24	4	20
AC093423	170	94	212	145	89	139
AL021937.	0	0	6	0	3	0
AC106870	0	0	0	0	0	0
Z82173.1	0	0	0	0	0	0
AC006007	0	0	0	0	0	0
AC021188	141	54	135	109	74	78
MEIS1-AS2	3	0	2	0	0	0
AC007036	30	52	94	98	44	40
ZNF341-A	3	0	7	0	3	1
AC095032	0	0	0	0	0	0
LINC01676	0	0	0	0	0	0
AC092650	29	20	38	22	50	23
AL807761.	0	0	0	0	0	0

ARHGAP2(	142	118	236	147	104	113
AC012456	2	0	7	0	0	0
AF015720.	0	0	0	0	0	0
FOXD3-AS	0	0	0	0	0	0
AC097532	0	0	0	0	0	0
AL132709.	0	0	0	0	0	0
SRGAP2-A	0	0	11	14	0	1
AL807757.	115	39	103	83	53	81
LINC01362	9	3	4	0	3	4
AC005532	28	9	19	34	26	16
AL390774.	15	0	4	18	0	3
ARPP21-A	0	0	0	0	0	0
AC007349	0	5	2	0	0	0
AC068580	0	0	0	0	0	0
LINC01293	6	0	6	3	5	0
LINC01614	0	3	0	0	0	0
AL121760.	6	17	13	4	7	4
AL139824.	0	0	0	0	0	0
ZNF674-A	192	185	338	323	227	205
AL158154.	0	0	0	0	0	0
AL360268.	0	0	0	0	0	0
AL161621.	1	0	2	0	0	0
AC099567	0	0	0	0	0	0
LINC02558	0	0	0	0	0	0
LINC00486	14	3	4	8	14	5
AL445933.	0	0	3	0	0	7
LINC00692	0	0	0	0	0	0
AL133284.	2	0	0	0	0	0
AL604028.	84	54	130	115	52	78
AL596087.	0	0	0	0	0	0
MAGEA8-A	0	0	2	1	0	0
AL591074.	0	0	0	0	0	0
AL391807.	136	33	35	60	95	101
AL021707.	0	3	0	0	0	0
AC008063	14	0	13	8	4	9
AL513422.	0	0	0	0	0	0
HAO2-IT1	0	0	0	0	0	0
AL079301.	0	0	0	0	0	0
LINC00309	0	3	10	2	2	0
AL139241.	133	42	84	119	46	86
MIR205HG	0	0	0	0	0	0
AC002386	0	0	0	0	0	0
LINC02541	15	8	13	8	38	19
AC026202	0	0	0	0	0	0
LINC01507	0	0	2	0	0	0
AP000356.	5	0	5	4	0	4
AC099344	0	0	0	0	0	0
AL929472.	12	1	13	11	3	7
AL109910.	0	0	0	0	0	0
LINC01520	0	0	0	0	0	0
AL133387.	0	0	0	0	0	0
AC084149	0	0	0	0	0	0
LINC02090	3	0	1	0	0	1
HHATL-AS	0	0	0	0	0	0
AC005703	0	0	0	0	0	0
AP001116.	0	0	0	0	0	0
AC012355	0	0	0	0	0	0
LINC00160	0	0	0	0	0	0

AL049649.	0	0	0	0	0	0
AC092625	0	0	0	0	0	0
CECR9	0	0	0	0	0	0
AL121672.	17	5	6	9	0	4
AC013275	0	0	0	0	0	0
AL049594.	0	0	0	0	0	0
AL354896.	0	0	0	0	2	2
LINC00326	0	0	0	0	0	0
AC092431	0	0	0	0	0	0
LINC00271	21	5	10	1	3	2
LINC01804	0	0	0	0	0	0
AL355303.	2	0	0	0	0	0
LINC01911	0	0	0	0	0	0
AL360227.	0	0	0	0	0	0
AL109917.	22	9	9	7	9	26
AL353614.	0	0	0	0	0	0
AC093833	0	0	0	0	0	0
LINC02522	0	0	0	0	0	0
AC096637	0	0	1	2	0	0
LINC00395	0	0	0	0	0	0
AC103563	0	0	0	0	0	2
AC234582	18	0	26	0	2	3
AL590133.	0	2	0	0	0	2
HCG18	3927	2174	3870	3105	1913	2479
AL157414.	0	0	0	0	0	0
AC105402	45	12	22	12	33	25
AL592161.	0	0	0	0	0	0
AL078587.	2	0	2	0	1	0
AL731544.	0	0	0	0	0	0
AC011747	0	0	0	0	0	0
MIR4422H	39	0	31	38	18	8
AC012513	0	0	0	0	0	0
AC008154	0	0	0	3	2	0
AL035588.	6	0	4	4	4	5
AC022395	6	0	4	6	5	2
AL031728.	107	93	168	103	60	96
LINC01436	0	0	0	0	0	0
LINC01508	0	0	0	0	0	0
FO393408.	0	0	0	0	0	0
AL035587.	444	238	450	413	467	371
AC078842	0	0	0	0	0	0
AL031666.	0	6	5	14	2	2
AF129075.	64	33	87	48	58	44
AL137856.	2	2	6	5	2	3
LNCAROD	11	15	6	13	31	0
AC022537	0	0	0	0	0	0
HAR1B	6	6	8	8	5	7
TCF7L1-IT	0	0	0	0	0	0
AC009987	0	0	0	0	0	0
BX005214.	0	0	2	0	0	0
TTTY3	0	0	0	0	0	0
AL157378.	0	0	0	0	0	0
AL354979.	1	3	2	0	2	2
AL034345.	0	0	0	0	0	0
MORF4L2-	185	67	126	102	72	117
AC093702	0	0	0	0	0	0
KLF3-AS1	645	129	429	356	236	201
CSMD2-A	0	0	0	0	0	0

AC002451.	6	0	0	0	4	2
LINC01098	0	0	0	0	0	0
AC007099.	0	0	0	0	0	0
AC116609.	0	0	0	0	0	0
LINC01720	0	0	0	0	0	0
LINC00852	1079	521	1194	1123	670	711
AL357832.	0	0	0	0	0	0
AC007003.	0	0	0	0	0	0
SPRY4-AS1	0	0	0	0	0	0
AL356056.	28	16	41	30	35	44
AL139819.	0	0	0	2	0	0
AC013448.	0	0	0	0	0	0
AL157884.	11	0	0	0	0	4
FARP1-AS1	5	2	5	16	8	4
AF127577.	0	0	0	0	0	0
AC011752.	9	0	0	0	3	5
ZBTB46-AS	0	0	0	0	0	0
LINC01510	0	0	0	0	0	0
AL590399.	4	0	0	5	0	0
GS1-600G8	0	0	4	0	0	4
AC097347.	4	4	0	0	0	6
LINC01593	0	0	0	0	0	0
TRIM31-AS	0	0	0	0	0	0
AC006450.	0	0	0	0	0	0
LINC01423	5	0	0	0	0	0
CFAP58-DT	9	106	88	11	8	8
AP001605.	0	0	0	0	0	0
LINC00349	0	0	0	0	0	0
AC116038.	0	0	0	0	0	0
AL445426.	0	0	0	0	0	0
FAM242D	0	0	0	0	0	0
ITPR1-DT	11	3	5	15	14	6
AC099792.	0	0	0	0	0	0
LINC01640	0	0	0	0	0	0
AC005009.	0	0	0	0	0	0
TRERNA1	0	0	8	2	0	0
AC010745.	0	0	0	0	0	0
AL122008.	11	14	9	18	7	17
APCDD1L-A	13	17	24	6	19	23
AC106799.	0	0	0	0	0	0
AC004888.	0	0	0	0	0	0
AL627443.	0	0	0	0	0	0
MANCR	0	0	0	0	0	3
SGO1-AS1	90	39	188	99	111	69
AC112484.	32	18	44	30	18	22
TBL1XR1-A	0	0	8	8	0	0
AC007388.	84	35	86	86	53	71
AP000696.	0	0	0	0	0	0
AL441943.	0	0	0	0	0	0
LINC01816	9	6	11	8	12	4
AL031772.	107	31	105	70	43	57
OOEP-AS1	0	0	0	0	0	0
AC104781.	2	0	0	0	0	0
AC017006.	0	2	0	0	0	0
LINC01160	8	17	4	16	7	7
AP000302.	0	4	0	0	0	0
AL355516.	0	0	0	0	0	0
LINC01712	0	0	0	2	0	0

AL359915.	866	429	890	757	455	713
AC011247	0	0	0	5	0	0
GNA14-AS	0	0	0	0	0	0
FGF12-AS	0	0	0	0	0	0
AL357874.	0	0	0	0	0	0
AC099681	0	0	2	2	0	0
AC023481	2	0	0	0	0	0
AC099344	0	0	0	0	0	0
AL008638.	0	0	0	0	0	0
AL354732.	1	4	6	0	7	6
AC005392	15	64	22	0	2	28
AL356289.	0	0	0	0	0	0
AC005090	0	0	0	0	0	0
LINC00689	19	3	0	9	8	4
LINC01817	0	0	0	0	0	0
AC011840	0	0	0	0	0	0
LINC01516	1	4	5	1	0	0
AL445673.	0	0	0	0	0	0
FILNC1	0	0	3	0	3	0
LINC01445	0	0	0	0	0	0
LINC00396	0	0	0	0	0	0
LINC01750	9	14	35	24	44	11
WASIR2	16	0	19	7	3	0
AL358176.	10	2	15	10	4	11
AL512422.	0	0	0	0	1	0
AC244102	0	0	0	0	0	0
LINC01305	2	2	0	0	0	2
AL365204.	0	0	0	0	0	0
AL359636.	0	0	2	0	1	0
AL022314.	0	0	0	0	0	0
RB1-DT	13	8	27	14	9	33
AC074389	7	0	10	4	4	0
AC004448	0	0	0	0	0	0
AC105450	0	0	0	0	0	0
AL365356.	0	0	0	0	0	0
AL357078.	10	3	7	10	7	5
AP006285.	0	0	0	0	0	0
AP003774.	0	0	0	0	2	0
AL121885.	0	0	0	0	0	0
AL136369.	0	0	0	0	0	0
AC108868	0	0	0	0	0	0
LINC01353	9	30	16	8	15	6
AL162253.	0	0	0	0	0	0
AL691497.	0	0	0	0	0	0
AC006003	0	0	0	0	0	0
AC007285	0	0	0	0	0	0
AL162385.	9	11	12	8	7	7
CR769775.	32	22	40	10	8	8
FAM225A	127	32	102	109	128	64
AC096644	0	0	0	0	0	0
AL157932.	0	0	3	0	0	0
LINC01249	0	0	0	0	0	0
AL078601.	0	0	0	0	0	0
FBXO36-IT	12	0	3	11	0	5
LINC00278	725	0	612	602	383	0
AC226101	0	0	0	0	0	0
DPP10-AS	0	0	0	0	0	0
AC010132	0	0	0	0	0	0

TAB3-AS1	0	0	0	0	0	0
AC020718	0	0	0	0	0	0
CLEC12A-	9	4	3	0	0	0
AL670729.	46	9	16	19	16	22
LINC02595	9	8	14	7	7	11
LINC02015	0	0	0	0	0	0
AL139118.	0	0	0	0	0	0
AC034228	0	0	0	0	0	0
AC009110	0	0	0	0	0	0
AC005224	121	44	68	104	68	47
AC007557	0	0	0	0	0	0
AL157709.	0	0	0	0	0	0
AL133232.	0	0	0	0	0	0
LINC01363	0	0	0	0	0	0
AL357873.	0	0	0	0	0	0
DLEU2	2083	926	1568	1339	886	1412
AC007098	11	0	0	5	0	0
AC104462	12	7	18	15	5	7
AC099568	34	8	5	10	5	18
AL354733.	3	4	0	6	0	2
AP000855.	0	0	0	0	0	0
AC013264	87	11	75	50	50	39
AC013402	0	0	0	0	0	0
AL133406.	12	5	5	7	10	0
AL592464.	0	0	0	0	0	0
LINC00283	0	0	0	0	0	0
AGBL5-AS	2	0	0	0	2	0
LUARIS	0	0	0	0	0	0
FSIP2-AS1	17	9	20	12	4	10
LINC01698	0	0	0	0	0	0
DLG3-AS1	0	0	1	0	0	0
AL590428.	47	45	20	18	17	23
AC010731	0	0	0	0	0	0
RPS6KA2-	0	0	5	6	2	0
AL357052.	0	0	0	0	0	0
AL355472.	14	8	31	20	11	17
LINC01704	0	0	0	0	0	0
LINC01307	0	0	1	7	1	0
DIRC3	196	124	269	145	83	117
LINC00410	0	0	0	0	0	0
AL358779.	4	2	7	0	7	0
AP003774.	104	39	133	60	91	119
AC020743	0	0	0	0	0	0
LINC01891	140	26	65	55	48	56
AL033397.	0	0	0	0	0	0
LINC01090	0	0	0	0	0	0
LINC00574	0	0	5	2	5	3
AL592114.	0	0	0	0	0	0
AP002856.	0	0	0	0	0	0
AL354993.	8	2	12	5	0	14
AC004895	0	0	0	0	4	0
AL451069.	15	12	21	22	12	5
LINC00899	130	36	96	89	41	85
AF064860.	0	0	0	0	0	0
AL513348.	0	0	0	0	0	0
AC099673	0	0	4	0	0	0
AL353747.	0	0	0	0	0	0
LINC-PINT	2916	6650	11146	8894	5994	5783

AC112907	0	0	0	0	0	0
TMSB15B-	41	37	59	25	34	30
ARHGEF9-	17	13	23	19	7	15
AC010976	2	2	8	5	2	2
AL136985.	0	0	0	1	2	1
LINC01273	0	0	0	0	0	0
AL596223.	0	0	0	0	0	0
ABCA9-AS	0	0	0	0	0	5
AL512380.	0	0	8	0	0	0
CHODL-A	0	0	0	0	0	3
AL449983.	0	0	0	0	0	0
AC092652	6	7	8	10	0	3
AL355312.	0	0	0	4	2	2
DLX6-AS1	0	0	0	0	0	0
LINC01354	0	0	0	0	0	0
AL035701.	47	21	71	91	33	44
TMEM44-	128	64	75	105	73	61
Z93403.1	0	0	4	0	0	1
LINC01611	0	0	0	0	0	0
AC079896	0	0	0	0	0	0
LINC00575	0	0	3	0	0	0
PIK3CD-A	7	5	14	6	18	9
AL445228.	0	0	0	0	0	0
AC009542	33	14	27	25	8	15
ITCH-IT1	48	41	65	49	31	28
PCAT7	3	4	6	2	0	3
LINC01388	2	0	5	0	0	0
AL159166.	0	0	0	0	0	0
LINC00210	0	0	0	0	0	0
AC007179	0	0	0	0	0	0
LINC01198	0	0	2	3	0	0
LINC01819	36	18	24	15	10	12
AL157834.	9	5	13	6	2	4
AC245140	7	0	5	5	0	0
CR769775.	0	0	0	0	0	0
AC073342	6	4	15	2	2	9
AC092832	0	0	0	0	0	0
UTAT33	2	0	0	0	0	0
AL162377.	100	100	198	168	117	97
AC067945	0	1	3	4	0	0
AL139393.	0	0	0	0	0	0
AL807752.	0	6	5	2	4	3
AP001625.	0	0	0	0	0	0
AL031848.	1	0	3	0	9	2
IPO9-AS1	8	5	11	14	4	6
AC099560	2	2	0	0	4	4
AC009158	0	0	0	0	0	0
AL359551.	0	0	0	0	0	0
KF459542.	25	12	73	33	27	25
AL109615.	0	0	0	0	0	0
F10-AS1	0	0	0	0	0	0
AL138733.	0	0	0	0	0	0
TRAF3IP2-	559	456	968	675	530	531
DARS-AS1	185	53	156	134	76	141
AC073316	0	0	0	0	0	0
AC019185	0	2	1	0	3	0
AC012594	3	0	0	0	0	0
AL354754.	0	0	0	0	0	0

AL135923.	0	0	0	0	0	0
AC079354	0	0	0	0	0	0
IDH1-AS1	4	0	0	0	0	0
FO393415	0	0	0	0	0	0
LINC00387	0	0	0	0	0	0
AC007402	0	0	0	0	0	0
NEBL-AS1	0	0	0	0	0	0
AC093734	0	0	2	0	0	0
Z98949.1	0	0	0	0	0	0
FAM242A	0	0	0	0	0	0
AC116666	0	0	0	0	0	0
PGM5P4-A	0	0	2	0	4	0
PHKA1-AS	0	0	0	0	0	0
HS1BP3-IT	56	13	42	29	15	28
AL161638.	0	0	0	0	0	0
AC004837	0	0	0	0	0	0
AL031432.	0	0	0	0	0	0
AC007383	5	0	10	10	6	4
AL662864.	0	0	0	0	0	0
AL731567.	24	22	25	26	20	26
AL359853.	2	0	2	0	0	3
AC007364	6	0	7	3	2	0
AL355490.	12	0	14	0	3	0
AL078590.	0	0	0	0	0	0
AL096828.	0	0	6	2	3	0
AL356361.	0	0	0	0	0	0
AC011899	0	0	0	0	0	0
LINC00415	0	0	0	0	0	0
AL354949.	0	0	0	0	0	0
AP000474.	0	0	0	0	0	0
LINC01787	0	0	0	0	0	0
AL442224.	0	0	0	0	0	0
AC092802	8	0	2	6	2	0
EP300-AS1	4	0	4	0	0	0
LRRC8C-D	292	87	228	178	115	186
AC108868	0	3	0	0	0	0
LINC01880	0	0	0	0	0	0
AC005537	0	0	0	0	0	0
AP001059.	0	0	0	0	0	0
AC074183	0	0	0	0	0	0
LEF1-AS1	712	270	497	319	259	405
LINC01807	0	0	0	0	0	0
AC007391	0	2	0	0	0	0
AL078599.	48	19	57	43	24	31
AC092168	11	4	7	4	2	0
AL135790.	0	0	0	0	0	0
AL133230.	11	0	47	48	18	11
LINC01105	0	0	0	0	0	0
LINC01798	3	0	2	3	3	5
AC078845	41	35	39	45	33	40
AC092687	0	0	0	0	0	0
AC093390	0	0	0	0	0	0
AC005772	0	0	0	0	0	0
AL691447.	181	76	160	174	55	130
LINC01063	0	0	0	0	2	5
AC004870	0	0	0	0	0	0
Z82198.2	0	0	0	0	0	0
LINC01031	5	0	0	9	0	2

LINC01697	0	0	0	0	0	0
AL662789.	0	0	0	0	0	0
LARGE-IT1	16	4	12	6	4	7
RPS6KA2-	9	2	10	13	7	6
LINC01104	0	2	0	0	0	0
AL606534.	0	0	3	1	0	0
AL159990.	0	0	0	0	0	0
DCST1-AS	7	0	3	0	8	5
AC012313	380	162	362	267	176	253
LINC01653	0	0	0	0	0	0
RFX3-AS1	394	163	402	373	299	371
AL353751.	0	2	0	0	0	0
LINC00384	35	3	27	12	18	5
BACH1-AS	0	5	17	0	0	0
AL357375.	0	0	0	0	0	0
AL450469.	1	0	3	0	0	0
AP001057.	4	11	11	6	0	6
AC092966	0	0	0	0	0	0
NCOA7-A	0	0	0	0	0	0
NDFIP2-A	0	0	0	0	0	0
LINC00867	4	0	0	0	5	0
AC073257	0	0	0	0	0	0
AC073218	0	0	0	0	0	0
RAP2C-AS	111	81	105	114	84	87
USP12-AS	0	5	0	0	0	0
LINC01873	0	0	0	0	0	0
LINC00708	0	0	0	0	0	0
AL031386.	0	0	0	0	0	0
AL662889.	66	49	71	82	43	72
AL354714.	0	0	0	0	0	0
LINC02181	0	0	0	0	0	0
KIF26B-AS	0	0	0	0	0	0
AL157359.	0	0	0	0	0	0
Z99943.1	5	5	0	2	0	4
AL596442.	0	0	0	3	0	0
AL158090.	0	0	0	0	0	0
AL353613.	9	3	0	0	0	0
LINC01701	0	0	0	0	0	0
AC008440	22	26	62	46	19	24
LINC01047	0	0	0	0	0	0
AC013401	0	0	0	0	0	0
LINC00865	124	78	127	82	87	85
LINC02043	2	0	7	0	2	3
AL355499.	0	0	0	0	0	2
AL139327.	0	0	0	0	0	0
AL035415.	0	0	0	0	0	0
AL354994.	0	0	0	0	0	0
AL158166.	0	0	0	0	4	0
AC239803	4	3	2	0	6	0
AL096799.	0	0	0	0	0	0
HSD17B3-	0	0	0	0	0	0
GNG12-AS	2	0	0	0	0	0
AL121902.	0	0	0	0	0	0
SLC6A1-A	0	0	0	0	0	0
AL133260.	0	0	0	0	0	0
AL031674.	1	3	0	2	0	0
AL589935.	5	0	10	7	3	11
AL138902.	0	0	0	0	0	0

AL357514.	0	0	0	0	0	0
FAM215B	408	181	333	217	0	492
LNCPRESS	0	0	0	0	0	0
AC012485	0	0	0	0	0	0
DAOA-AS	0	0	0	0	0	0
AL390856.	0	0	0	0	0	0
AL078590.	0	0	0	0	0	0
AL512303.	42	12	15	37	14	27
LINC02518	0	3	6	7	2	0
AC008440	3	2	11	14	4	3
AC093627	5	0	4	2	0	1
AC084030	0	0	0	0	0	0
AL354864.	0	0	0	0	0	0
AC022540	2	3	7	0	0	0
AL390728.	28	19	45	36	17	19
LINC00279	0	0	0	0	0	0
SEMA3B-A	0	0	0	0	0	0
AC026320	0	0	0	0	0	0
VIPR1-AS1	59	14	40	17	22	27
AL050404.	5	0	0	6	0	0
AC104777	0	0	0	0	0	0
AP000281.	0	0	0	0	0	0
AL021391.	0	0	0	0	0	0
AC016910	0	0	0	0	0	0
AC015712	2	0	5	0	2	4
AC090696	0	0	0	0	0	0
AL138830.	0	0	0	0	0	0
AC004882	0	0	4	2	4	0
LINC00112	0	0	0	0	0	0
AL121895.	0	0	0	0	0	0
AC140481	0	0	0	0	0	0
AC009495	23	6	48	57	28	31
AL121601.	5	5	13	4	2	1
AL589923.	0	0	0	0	0	0
ELN-AS1	0	2	0	3	0	0
BPESC1	0	0	0	0	0	0
TTTY19	0	0	0	0	0	0
AL360013.	0	0	0	0	0	0
MHENCR	761	315	579	475	430	447
AC010745	0	0	2	3	0	3
AC006329	0	0	0	0	0	0
AL354824.	0	0	0	0	0	0
AC018467	0	0	0	0	0	0
AC105277	11	15	19	13	16	7
LARS2-AS	0	0	0	0	2	3
LINC01450	0	0	0	0	0	0
AC092920	0	0	0	0	0	0
Z98949.3	0	0	0	0	0	0
AL049765.	0	0	0	0	0	0
AL136368.	11	4	5	2	0	2
NCKAP5-I	0	0	0	0	0	0
TGFB2-AS	0	0	0	0	3	0
AC098820	4	0	5	9	14	2
RASA3-IT1	295	126	433	292	240	180
OSBPL10-A	9	0	2	0	5	1
AL161912.	0	0	0	0	0	0
AP005273.	0	0	0	0	0	0
ST3GAL5-A	106	11	42	50	20	36

AP000233.	0	0	0	0	0	0
AC074366	14	8	14	6	5	6
AL353807.	0	0	4	1	0	0
AC012507	0	0	0	0	3	0
AC073323	0	0	0	0	0	0
AC245595	0	0	0	0	0	0
AL031773.	0	0	0	0	0	0
LIF-AS1	0	0	0	0	0	0
AC093673	138	91	163	133	78	107
AL365436.	3	13	14	14	7	0
AC092810	0	0	0	0	0	0
LINC00945	2	0	2	0	0	0
DPYD-IT1	68	62	135	92	71	85
AC253536	205	115	292	232	123	158
LINC01809	0	0	0	0	0	0
AC104088	0	0	0	0	0	0
AL590609.	0	0	1	0	0	0
KCND3-IT	0	0	0	0	0	2
LINC01549	0	0	0	0	0	0
MRTFA-AS	16	12	17	10	6	3
AC079742	2	0	5	5	0	0
KIAA1614-	152	49	109	146	90	100
AL451127.	0	0	0	0	0	0
AL139125.	0	0	0	2	7	3
LINC01646	0	0	0	0	0	0
AC013727	0	0	0	0	0	0
AL122034.	0	0	0	0	0	0
TONSL-AS	7	0	3	5	2	2
AC010967	0	0	0	0	0	0
LINC01412	0	0	0	0	0	0
AL683813.	292	158	277	231	190	273
LINC02576	13	7	1	9	11	3
AL355304.	36	20	40	15	24	28
AP000266.	40	3	25	26	17	19
LINC01517	0	0	0	0	0	0
AC092809	2	0	0	0	4	0
AC079465	0	0	0	0	0	0
AL360267.	0	0	0	0	0	0
AL390294.	0	0	0	2	1	0
AL354892.	0	1	0	0	0	2
AC008073	0	0	0	0	0	0
LINC00385	0	0	2	0	0	0
LINC01431	8	0	2	6	3	10
AC107214	33	10	17	20	12	10
LINC01780	4	0	0	0	1	0
LINC01656	0	0	0	0	0	0
IDI2-AS1	14	11	27	20	14	13
CFTR-AS1	0	0	0	0	0	0
AC004862	0	0	0	0	0	0
AL391069.	7	48	37	13	10	6
AL121830.	0	0	0	0	0	0
LINC00665	409	169	176	204	272	142
LINC01705	0	0	0	0	0	0
AC002511	3	56	69	12	14	2
AL592430.	2	0	4	0	0	0
ATP11A-A	5	6	21	3	0	11
LINC00442	0	0	0	0	0	0
LINC01628	0	0	0	0	0	0

AP001596.	2	0	4	0	4	0
AC012370	2	12	14	6	11	4
AC017006	0	0	0	0	0	0
AC254562	40	25	19	24	14	20
KIZ-AS1	8	2	12	3	0	0
LINC01022	0	0	0	0	0	0
AC007272	0	2	0	0	0	0
AC239800	148	109	109	152	37	0
U52111.1	2	0	6	2	3	3
AC211433	8	20	4	10	9	4
AC097717	11	12	16	12	13	22
AL353612.	0	0	0	0	0	0
AL607028.	2	0	0	0	0	0
LINC01826	0	0	0	0	0	0
LINC02022	0	0	2	2	4	0
AC135050	30	30	59	17	15	22
AL162726.	0	0	0	0	0	0
AL035658.	0	0	5	1	0	0
AC004990	8	6	14	11	3	10
AC002480	8	2	8	2	8	0
AL355483.	0	0	0	0	0	0
AC016825	0	0	0	2	0	0
FLJ22447	62	46	71	88	59	45
ITGA6-AS1	45	14	70	17	6	9
LINC01162	0	0	0	0	0	0
SLCO4A1-	0	0	0	0	2	0
AP001610.	0	0	0	0	0	0
AL137186.	93	29	91	57	39	45
TTTY20	0	0	0	0	0	0
AL360270.	99	54	81	77	106	6
LINC01717	0	0	0	0	0	0
COL4A2-A	0	6	3	0	3	0
AC073188	0	0	0	0	0	0
AC003986	0	0	0	0	0	0
AL445433.	0	0	0	0	0	0
LINC01189	0	0	0	0	0	0
AC231533	50	27	84	30	41	48
LMLN-AS1	4	2	1	0	4	6
AC107057	0	0	0	0	0	0
LINC01700	0	0	0	0	0	0
LINC00363	0	0	0	0	0	0
PTGES2-A	0	8	0	1	1	4
AF165147.	530	170	396	647	254	379
SMG7-AS1	19	18	28	18	11	19
AC080129	6	0	4	8	0	1
AL353596.	2	0	1	0	4	0
DPYD-AS1	7	0	6	0	0	0
AF127936.	11	0	3	5	5	3
GPC5-AS2	0	0	0	0	0	0
AF212831.	0	0	0	0	0	0
AL450344.	43	38	82	66	31	13
AL499616.	0	0	0	0	0	0
IQCA1-AS	0	0	0	0	0	0
AL121999.	0	0	0	2	0	0
AL592463.	0	0	0	0	0	0
AL050403.	0	0	0	0	0	0
LINC01166	0	0	0	0	0	0
DLGAP4-A	109	75	100	91	53	57

AL157823.	2	0	0	0	0	0
AL096855.	25	12	36	24	16	20
PLCE1-AS2	0	0	0	0	0	0
LINC01400	0	0	3	0	0	0
AC083864.	0	0	0	0	0	0
LINC00342	1080	523	1247	897	558	787
AL157786.	76	45	75	59	51	62
AL359094.	0	0	0	0	0	0
AL157400.	0	0	0	0	0	0
AL589765.	1	0	0	0	0	0
AL158829.	0	0	0	0	0	0
HCG25	67	14	41	41	22	53
LINC02543	0	0	0	0	3	0
AC002480.	0	0	0	0	3	0
LINC00374	0	0	0	0	0	0
SNHG15	473	592	1223	606	661	402
AL356475.	0	0	0	0	0	0
LINC01737	9	10	0	3	6	11
AP001062.	0	0	0	1	0	0
AL591719.	0	0	0	0	0	0
CYP1B1-A	221	106	235	181	189	189
LINC00327	0	0	0	4	0	0
AL161909.	3	0	1	0	0	0
AL355537.	0	0	0	0	0	0
AL139081.	0	0	0	0	0	0
LINC01219	13	2	0	2	0	0
GACAT1	0	0	0	0	0	0
AL445183.	2	0	2	3	0	0
RGS5	166	100	167	239	84	227
VPS13A-A	0	3	4	2	0	4
AC005324.	0	0	0	0	0	0
AC018742.	2	4	2	0	6	7
MIR3936H	192	135	292	91	151	220
LINC01725	110	31	58	55	31	44
NALCN-AS	0	0	0	0	0	0
SNHG7	1037	579	1329	781	663	769
AL121832.	0	0	0	0	0	0
AL669841.	0	2	0	0	0	2
AC244453.	0	12	4	0	0	4
AC243772.	4	31	29	2	6	0
CASK-AS1	0	0	0	0	0	0
AC011899.	140	53	198	120	84	103
AL049820.	0	0	0	0	0	0
LINC01677	0	0	0	0	0	0
LINC01722	0	4	0	2	0	1
AL513304.	0	0	0	0	0	0
ERVH48-1	2	6	7	2	2	5
LINC00884	80	13	26	35	51	47
AC016700.	4	2	7	3	0	2
TTLL7-IT1	12	4	29	30	0	3
AL136307.	0	0	0	1	3	0
PTCHD1-A	2	0	2	2	3	1
AL391422.	0	0	0	0	0	0
AL663074.	0	0	0	0	0	0
ZFY-AS1	11	0	18	13	7	0
AC005009.	6	2	4	4	0	3
LINC01271	0	0	2	0	0	0
AL355994.	0	0	0	0	0	0

LINC01755	0	0	0	0	3	0
AL353764.	2	0	6	0	2	0
AC073094	0	0	0	0	0	0
BX322234.	0	0	0	0	0	0
LNCARSR	0	0	0	0	0	0
LINC00892	57	51	174	55	66	76
AC099541	4	0	3	1	0	0
CCDC144N	79	22	65	30	23	18
AC095030	0	0	3	0	1	4
HOXB-AS3	2	2	2	2	0	2
AL133329.	0	0	0	0	0	0
AC006042	10	7	2	10	0	1
AC093797	0	0	0	0	0	0
LINC00702	0	0	0	0	0	0
LINC01007	0	0	0	0	0	0
LINC00456	0	0	0	0	7	0
LINC01794	0	0	0	0	0	0
AL023584.	5	3	8	4	4	4
DIRC3-AS1	5	0	0	0	0	0
AL512656.	0	0	0	0	0	0
AL589987.	0	0	0	0	0	0
UBE2E2-A	0	0	0	0	0	0
LINC01762	41	25	73	43	24	44
AC008105	141	78	220	132	69	90
AL161457.	23	32	10	6	5	4
Z82249.1	0	0	0	0	0	0
AL138889.	0	0	0	0	0	0
AC093157	863	408	896	593	373	497
AC006372	0	0	3	0	0	0
AC005324	0	0	0	0	0	0
AL117336.	0	0	0	0	0	0
DHCR24-D	0	0	0	0	0	0
LINC00642	0	0	0	0	0	0
KCNJ6-AS	0	0	0	0	0	0
AC002511	4	22	38	0	0	0
LINC01687	0	0	0	0	0	0
AC008080	0	0	0	0	0	0
LINC00167	34	25	27	15	10	27
AC133785	0	0	0	0	0	0
AL513523.	0	0	0	1	0	0
AC016876	28	25	42	22	15	11
AC079807	72	22	32	29	64	31
AL592464.	0	0	0	0	0	0
LINC02573	0	2	0	0	2	0
LINC00472	0	0	4	0	0	3
AL512604.	2	8	4	0	0	0
AL513327.	0	0	0	0	0	0
AC233728	0	4	15	5	7	5
AC007743	10	0	4	0	6	6
AL355870.	0	0	0	0	0	4
AL390786.	0	0	0	1	0	0
AL356134.	0	0	0	0	0	0
AL590440.	0	0	0	0	0	0
LINC01728	0	0	0	0	0	0
AC092447	0	0	0	0	0	0
AL157944.	0	0	0	0	0	0
AL133343.	6	0	8	5	0	2
AC092159	11	0	13	9	4	5

XXYLT1-AS	0	0	0	0	0	0
LINC01346	2	0	0	0	4	0
OSTN-AS1	8	6	11	7	8	4
DSCR10	0	0	0	0	0	0
AL357833.	0	0	0	0	0	0
AL078581.	16	0	7	5	0	4
AL122008.	0	0	0	0	0	0
FAM53B-A	15	3	38	11	19	16
AC245056	0	0	0	0	0	0
TLR8-AS1	11	3	0	0	0	0
AC018878	2	0	0	0	4	0
AL139120.	3	2	9	0	1	5
AL391361.	0	0	0	0	0	0
LINC00333	0	0	0	0	0	0
AL356124.	10	0	4	0	4	0
LINC00028	0	0	0	0	4	0
CHRM3-A	2037	638	2207	783	1152	1902
AL035401.	0	0	0	0	0	0
AC114485	0	0	0	0	0	0
Z83844.2	20	0	10	15	4	6
AC006019	0	0	0	0	0	0
AL121956.	0	0	0	0	0	0
AL133480.	2	4	5	0	0	2
AL137076.	0	0	0	0	0	3
AL117382.	0	0	0	0	0	0
AL139002.	0	0	0	0	0	0
AC096537	0	0	0	0	0	0
AL121748.	58	40	35	54	52	125
AC104809	823	151	323	739	588	541
AP000688.	0	0	0	0	0	0
LINC00841	0	0	0	0	0	0
LINC01719	14	9	16	2	4	9
AC008063	0	0	0	0	0	0
LINC01648	0	0	0	0	0	0
AC121342	0	0	0	0	0	0
LINC01046	0	0	0	0	0	0
AL592182.	0	0	0	0	0	0
AP000534.	0	0	0	0	0	0
FANK1-AS	0	0	0	0	0	0
LINC01222	12	0	7	0	2	0
AL359962.	328	183	557	445	188	228
AL133419.	1	0	3	0	0	0
AC004872	0	0	0	0	0	0
AC002127	0	0	0	0	0	0
LINC01783	0	0	0	0	2	0
AC005482	0	0	0	0	0	0
BX664718.	0	0	0	0	0	0
AL009181.	4	0	8	13	3	0
HOTAIRM1	412	314	370	358	262	336
LINC02596	12	65	61	2	4	2
AL513128.	0	0	0	0	2	0
STXBP5-AS	104	95	135	112	114	120
LINC01077	0	0	0	0	0	0
AL445524.	22	64	76	19	9	23
NANOGP1	0	0	0	0	0	0
AL360175.	0	0	0	0	0	0
AL390866.	0	0	0	0	0	0
AL031280.	2	7	14	0	2	5

AC017074	0	0	0	0	0	0
LINC01683	0	0	0	0	0	0
AC093579	0	0	0	0	0	0
AL031283.	23	15	27	12	26	5
AL133325.	0	0	0	0	0	0
SYNJ2-IT1	14	13	29	7	11	10
AC104794	0	0	0	0	0	0
AL021395.	0	0	0	0	0	0
ZNF197-A	14	9	15	16	4	14
LINC01518	0	0	0	0	0	0
AL445644.	0	0	0	0	0	0
AC005162	0	0	3	0	0	0
AL590490.	0	0	0	0	0	0
LINC01638	0	0	0	0	0	0
FAM224A	0	0	4	0	0	0
ZNF529-A	238	111	219	141	143	131
LINC00430	0	0	0	0	0	0
HCG21	0	0	0	0	0	0
LINC00460	0	0	0	0	0	0
AL035604.	0	0	0	0	0	0
AC003035	0	0	0	0	0	0
AP000943.	2	2	1	2	0	1
AC017104	1	0	0	0	9	0
AC011294	0	0	0	0	0	0
DNM3-IT1	6	2	4	0	2	4
AL391845.	2	0	0	0	0	0
AL158212.	27	21	25	0	12	7
AC108462	0	0	0	0	0	0
B4GALT1-A	16	16	54	44	15	17
LINC00513	26	30	64	31	27	16
AL161630.	0	0	0	0	2	0
LINC00690	0	0	0	0	0	0
AL592043.	0	0	0	0	0	0
AL020994.	0	0	0	0	0	0
AL022332.	0	0	0	0	0	0
AC069155	0	0	0	0	0	0
LINC01884	0	0	0	0	0	0
AL138789.	0	0	0	0	0	0
AC016395	0	0	8	0	0	0
AL590094.	5	7	2	9	3	2
ERI3-IT1	87	41	132	106	81	81
LINC01851	0	0	0	0	0	0
LINC01392	0	0	0	0	0	0
LINC00462	0	0	0	0	0	0
AC019068	0	0	0	0	0	0
DCUN1D2	0	0	3	5	0	0
AL359636.	0	0	0	0	0	0
AC093581	0	0	0	0	0	0
LINC01137	96	50	138	159	69	133
AL035045.	0	4	0	0	0	0
C4A-AS1	0	0	0	0	0	0
AC093326	0	0	0	0	0	0
AC015923	0	0	5	0	0	0
PANTR1	0	0	8	0	0	0
GPR158-A	0	0	0	0	0	0
AC022398	6	0	1	0	5	0
ARHGEF7-	0	0	0	0	0	0
AL358876.	0	0	0	0	0	0

AL590399.	0	0	0	0	0	0
AC108047	12	2	16	10	4	6
AL445430.	0	0	0	0	3	0
SPIN4-AS1	0	0	0	2	0	0
AC060234	0	0	7	5	0	0
RNASEH2E	62	18	46	55	28	26
AL356417.	0	0	0	0	0	0
LINC01865	0	4	0	0	0	7
AC104688	0	0	0	0	0	0
AL357568.	0	0	0	0	0	0
LINC02579	0	4	0	0	0	0
GAS6-AS1	1285	484	1166	516	1094	1204
TTTY18	0	0	0	0	0	0
SLC26A4-A	2	0	0	0	0	0
AL353689.	5	1	0	0	0	1
AC012506	0	0	0	0	0	0
MYCNOS	0	0	0	0	0	2
AL356309.	0	0	0	2	2	0
LINC01122	3	2	0	2	0	0
LINC00284	4	0	0	0	0	2
AL929472.	15	7	4	14	5	7
AC016909	0	0	0	0	0	0
LINC01765	5	6	8	4	7	0
AL359918.	0	0	0	0	0	0
AL031587.	0	0	0	0	0	1
LINC00656	14	9	4	5	3	2
AP001628.	4	0	0	0	0	0
AL050344.	2	0	0	0	0	0
DSCAM-IT	0	0	0	0	0	0
AC004947	0	0	0	0	0	0
AC098617	43	30	63	26	105	25
AL109945.	5	2	0	2	2	4
LINC01251	0	3	0	3	0	3
AP001442.	5	6	3	4	2	4
AC131011	2	5	7	3	4	1
LINC01136	19	86	75	12	17	15
UFL1-AS1	2	0	3	0	1	5
AC139887	56	17	30	30	19	30
LINC01237	340	140	392	320	361	260
AL162727.	0	0	7	4	2	0
AP000695.	0	2	2	0	0	0
ENOX1-AS	0	0	0	0	0	0
AL356311.	0	0	0	0	0	0
AC003985	0	0	0	0	0	0
AL391839.	19	19	33	42	12	15
LINC01949	16	4	0	0	0	0
AC005083	2	7	0	5	7	0
AL132875.	0	0	0	0	0	0
PCDH9-AS	0	0	0	0	0	0
AC062031	0	0	0	0	0	0
KCNQ5-IT	53	49	99	46	33	49
AC093732	2	2	8	2	3	3
AC022445	0	0	0	0	0	0
AL513188.	0	0	0	0	0	0
AC022201	7	0	4	5	0	5
AC103563	28	18	23	21	13	28
LATS2-AS1	0	0	0	2	0	0
AC005304	13	2	8	18	7	12

POU6F2-A	0	0	0	0	0	0
LINC0259	0	0	0	0	0	0
AC107072	0	0	0	0	0	0
AC016907	27	7	7	16	12	15
TTTY15	2076	0	2816	2458	1455	0
AC145543	0	0	0	0	0	0
DLG5-AS1	0	0	0	0	0	0
AL592078.	35	18	21	33	9	15
AC073133	6	3	11	0	0	0
LINC0168	0	0	0	0	0	0
AL772337.	0	0	0	0	0	0
YEATS2-A	66	37	63	77	56	54
AC007179	0	2	0	0	0	0
EZR-AS1	4	4	14	4	2	1
AC105271	0	2	0	0	0	0
PDYN-AS1	3	3	34	4	8	0
LINC0150	84	32	112	111	87	87
Z83851.1	16	10	12	11	18	10
AL445623.	0	0	0	0	0	0
LINC0176	0	0	0	0	0	0
AC026202	15	2	7	4	0	0
AC009743	0	0	0	0	0	0
AL162595.	0	0	0	0	0	0
LINC0169	53	8	10	19	16	13
AL591368.	10	9	4	15	3	2
AL591501.	0	0	0	0	0	0
KRTAP5-A	46	31	46	20	45	44
AL390778.	0	0	0	0	0	0
CTC-338M	390	192	435	330	233	297
AL356859.	0	0	0	0	0	0
AC004012	0	0	0	0	0	0
AC069540	0	0	0	0	0	0
AC009970	4	2	0	0	0	1
AC079763	0	0	0	0	0	0
AL359715.	43	23	54	38	22	34
AL157895.	6	99	15	14	153	48
AC004946	0	0	0	0	0	0
AC092159	0	0	5	0	0	0
LINC0136	0	0	0	0	0	0
LINC0257	0	0	0	4	0	0
AC099681	0	3	3	5	0	0
LINC0259	6	6	5	0	0	4
AL022396.	0	0	0	0	0	0
LINC0168	0	0	0	0	0	0
AC106706	0	0	0	0	0	0
AL121900.	5	9	7	6	0	12
LINC0142	0	0	0	0	0	0
DDX39B-A	4	4	6	0	8	0
LINC0253	0	0	0	0	0	0
AL591212.	0	1	4	0	0	0
AL596451.	0	0	0	0	0	0
AC008278	0	0	0	0	0	0
AL157834.	12	5	5	9	4	12
AC062029	138	69	163	152	107	120
AP000959.	0	0	0	0	0	0
Z95624.1	0	0	0	0	0	0
LINC0167	0	0	0	0	0	0
AL158151.	0	0	0	0	0	2

LINC00463	0	0	0	1	0	0
SPATA17-	0	0	0	0	0	0
AC074117	405	161	216	379	21	102
TPRG1-AS	10	11	28	30	2	14
AJ006995.	0	0	0	0	0	0
AL049552.	0	0	0	0	0	0
AC099654	0	0	0	0	0	0
AL157392.	0	0	0	0	0	0
AL133465.	0	0	0	0	0	0
AC009468	0	0	0	0	0	0
LINC02433	0	0	0	0	0	0
AL606534.	0	0	0	0	0	0
AL445224.	2	0	0	0	0	6
AC073529	63	28	73	44	34	49
AL358473.	0	0	0	0	0	0
AL158835.	13	0	7	8	2	0
AC055764	0	0	0	0	2	1
AL035420.	0	0	0	2	0	0
AC006042	28	24	20	12	16	24
LINC01675	14	0	8	6	0	9
AL035446.	2	0	0	8	0	3
LINC01961	0	0	0	0	0	0
AC018511	2	3	0	0	0	0
LINC02535	0	0	4	0	7	0
AL162254.	0	0	0	0	0	2
AL513165.	53	25	49	44	34	35
PABPC5-A	0	0	0	0	0	0
AC009505	0	0	0	0	0	0
ARHGEF19	0	0	0	0	0	0
LINC01039	3	0	0	0	3	3
LINC01868	0	0	0	0	0	0
AC024908	0	0	0	0	0	0
RNASEH1-	80	18	52	28	30	59
AC093639	0	0	0	0	0	0
AL353784.	0	0	0	0	0	0
AC016683	6	9	9	7	7	4
LINC01114	0	0	0	0	0	0
AL353795.	3	2	5	3	2	0
AL731533.	0	0	0	0	0	0
LINC01952	3	0	0	0	0	0
LINC01781	73	22	35	18	75	26
AC068533	0	0	2	0	0	0
C16orf82	0	0	0	0	0	0
AC241644	0	0	0	0	0	0
AC091808	0	0	0	0	0	0
AC013476	0	0	0	0	0	0
ETV5-AS1	0	0	0	0	0	0
LINC01191	17	30	34	23	25	26
AC004771	15	7	10	13	7	14
AL121957.	0	0	0	0	0	0
AC096570	0	0	0	0	0	0
AC005529	2	6	6	6	5	3
AC006372	0	0	2	9	12	0
AL451067.	2	0	0	0	3	0
AC006012	0	0	0	0	6	0
LIX1L-AS1	18	13	30	22	16	16
AC003988	0	0	0	0	0	0
AC244394	3	1	0	0	4	0

LINC01505	0	0	0	0	0	0
ZFX-AS1	3	2	0	0	1	0
KCNH1-IT	0	0	0	0	0	0
BOK-AS1	0	4	0	4	1	3
AC022498	0	0	0	0	0	0
AL512641.	0	0	0	0	0	0
AL392086.	8	4	5	15	8	13
AC012370	0	0	0	0	0	0
AL138720.	0	0	8	2	8	4
AL024508.	0	0	6	0	0	0
DEPDC1-A	0	0	0	0	5	0
LINC01723	0	0	0	0	0	0
AC073071	0	0	0	0	0	0
AC017053	0	0	0	0	0	0
LINC01641	0	0	0	0	0	0
LINC01937	0	0	0	0	0	0
LANCL1-A	0	0	0	3	0	0
LINC01731	0	0	0	0	0	0
AC006026	0	0	0	1	1	0
AC116366	414	1232	1918	1139	709	235
AC123595	65	164	115	28	14	18
BACH1-IT3	72	53	97	85	67	81
AL390961.	0	0	3	2	2	0
LINC00229	0	0	0	0	0	0
CLYBL-AS1	0	0	0	0	0	0
AL583859.	0	0	0	0	0	0
LINC01878	0	0	2	0	0	1
AL451069.	11	2	0	0	0	2
AC099794	0	0	0	0	0	0
LINC01505	37	62	95	12	30	80
AC012146	43	28	60	63	24	41
JAZF1-AS1	8	7	15	22	7	15
AC007405	16	0	5	16	8	6
AC009264	0	0	0	0	0	0
AL391863.	0	0	8	0	4	0
LINC01914	0	0	0	0	0	0
RNF219-A	7	2	7	5	0	10
AC098828	0	0	0	0	0	0
LINC01426	0	0	0	0	0	0
LINC01049	0	0	0	0	0	0
AC073188	0	0	0	0	0	0
AC007278	430	232	227	404	230	217
USP27X-A	30	16	64	20	18	16
AL592546.	0	0	0	0	0	0
AL353608.	0	0	0	0	0	0
AL590822.	2	0	2	4	0	0
Z69733.1	0	2	0	0	0	0
AC015983	0	0	0	0	0	0
LINC01250	0	6	0	2	6	0
AL138930.	0	0	3	0	0	0
AL139042.	0	0	0	0	2	3
AL022724.	0	0	0	0	0	0
AC023051	0	0	14	10	0	0
AC007283	958	772	1233	1006	681	778
AC092171	32	22	60	35	28	4
LINC01432	0	0	0	0	0	0
FGF14-AS1	0	0	0	0	0	0
AC068489	0	0	0	0	0	0

SLC16A12-	0	0	0	0	0	0
AC067960	0	0	0	0	0	0
MAGI2-AS	35	55	428	44	513	78
AC002064	0	0	0	0	0	0
AL356010.	0	0	0	0	0	0
AC147651	0	0	0	0	0	0
MIR3663H	0	0	0	0	0	0
AC092811	4	0	16	10	10	15
AC004231	0	0	0	0	0	0
ACBD3-AS	7	0	0	5	0	7
AC117945	0	0	0	0	0	0
AL032821.	8	5	10	9	0	4
RPL34-AS1	144	87	139	125	72	63
SP2-AS1	9	26	35	54	21	10
ERICH3-AS	0	0	0	0	0	0
AP000550.	0	0	0	0	0	0
AL353801.	19	9	18	17	18	8
LINC01506	52	168	171	43	40	46
AP000253.	32	8	27	35	5	6
AL109924.	4	0	0	0	0	0
HRAT17	0	0	0	0	0	0
PCDH9-AS	0	0	0	0	0	0
AL161719.	0	2	0	0	0	4
AL080313.	4	4	0	3	3	1
AL357127.	0	0	0	0	3	0
LNCTAM34	0	0	0	0	0	2
LINC02020	0	0	0	0	0	0
LINC01309	0	0	0	0	0	0
AC022431	3	2	22	4	0	0
LINC00701	0	0	0	0	0	0
AL024497.	0	0	0	0	0	0
AC239798	3	3	0	0	0	5
LINC01800	71	22	91	63	57	47
SYNE1-AS	17	7	14	11	5	2
AL355483.	0	0	0	0	0	0
AC009305	0	0	0	0	0	0
AL356157.	0	0	0	0	0	0
AC019186	28	14	15	27	19	19
KAZN-AS1	0	0	0	0	0	0
AC013733	0	0	0	0	0	0
AC010096	0	0	0	0	0	0
CHRM3-A	0	0	0	0	0	0
MAPKAPK5	197	104	159	319	93	357
AL031584.	0	0	0	0	0	0
AL450992.	127	99	140	179	111	152
SNRK-AS1	187	105	231	205	81	131
AL683807.	3	24	28	8	18	28
LINC00380	0	0	0	0	0	0
AL021937.	0	0	0	0	0	0
AC245060	7	2	2	0	4	2
LINC02093	0	0	0	0	0	0
MED14OS	26	18	35	29	22	9
AC053503	0	0	0	0	0	0
AL390763.	0	0	0	0	0	0
AL049651.	0	0	0	0	0	0
AL606970.	0	0	0	0	0	0
PCCA-AS1	5	0	0	0	0	0
AC079117	0	0	0	0	0	0

LINC00440	0	0	0	0	0	0
CHL1-AS1	0	0	0	0	0	0
LINC01934	2184	997	1940	1859	845	1588
AL512625.	217	38	120	35	0	191
AL445123.	0	0	0	0	0	0
IFT74-AS1	2	0	0	0	2	3
AC068058	0	0	0	0	0	0
ELF3-AS1	11	3	33	14	16	12
SDCBP2-A	553	202	482	285	241	365
AC091730	0	0	0	0	0	0
AL049749.	0	0	0	0	0	0
AC106869	0	0	0	0	0	0
AL355601.	0	0	0	0	0	0
AL353653.	0	0	0	0	0	0
AL139289.	22	9	14	13	11	13
AC002076	0	0	0	0	0	0
GPR50-AS	0	0	0	0	0	0
AL161937.	0	0	0	0	0	0
AL139339.	14	4	21	18	6	4
AF015262.	0	0	0	0	0	0
HMGA1P4	37	13	34	18	20	16
AC074351	0	0	0	0	0	0
AC060834	0	0	0	0	0	0
AL713923.	0	0	0	0	0	0
AC009965	0	0	0	0	0	0
AC005064	0	0	0	0	0	3
TMEM212	0	0	0	0	0	0
LINC02092	0	0	0	2	3	0
LINC01287	0	0	0	0	0	0
AP001117.	0	0	0	0	0	0
FAM170B-	0	0	2	0	0	0
AL162386.	0	0	0	0	0	0
GAS5	1857	1064	1961	1850	1481	1605
AC044784	0	0	1	0	0	0
FOXP4-AS	1	0	0	0	0	4
C1orf140	0	0	0	0	0	0
AC024597	0	0	0	0	0	0
AC034228	0	0	0	0	0	0
AL359378.	0	0	0	0	0	0
LINC01496	0	0	0	0	0	0
LINC01052	0	0	0	0	0	0
AL611929.	0	0	0	0	0	0
SLC25A25	1817	797	1702	1408	990	1147
LINC00412	56	10	19	37	21	26
AC105940	0	0	0	0	0	0
LINC02529	0	0	0	0	0	0
BNC2-AS1	0	0	0	0	0	0
LINC01103	0	0	0	0	0	0
LINC00458	0	0	0	0	0	0
AL590369.	0	2	0	4	0	0
AC108448	0	0	0	0	0	0
AC114730	13	3	13	12	1	6
AC113607	0	0	0	0	0	0
LINC01135	23	23	22	43	25	24
AL603840.	8	16	23	8	47	4
AL136309.	33	18	45	45	36	31
AC007314	0	0	3	1	2	0
AC003084	0	0	0	0	0	0

AL096677.	15	21	17	9	13	13
LINC0123	0	0	0	0	0	0
AC008758	0	0	0	0	2	0
LINC0067	0	0	0	0	0	0
SLIT1-AS1	0	0	0	0	0	0
AC003958	0	0	0	0	0	0
AL162394.	0	0	0	0	0	0
AL035258.	0	0	0	0	0	0
AL022344.	0	0	0	0	0	0
AL021392.	6	2	6	0	0	0
AC092660	0	0	0	0	0	0
LINC0016	0	0	0	4	0	0
MIR155HG	179	80	227	102	104	114
AL022329.	0	0	0	2	3	4
Z82196.1	0	0	0	0	0	0
Z82214.1	0	0	0	4	0	0
SOX9-AS1	0	0	0	0	0	0
AL135937.	0	0	0	0	0	0
AC007879	19	37	27	20	19	15
SNHG20	439	395	279	339	240	210
AC016027	17	3	2	3	0	0
AL360091.	8	5	5	6	4	14
AC098484	12	6	13	3	2	13
AL157387.	0	0	0	0	0	0
LINC0182	0	0	0	0	0	0
AC006450	0	0	0	0	0	0
LINC0165	0	0	2	1	4	0
AC018685	0	0	0	0	0	0
AC010883	52	26	19	17	19	19
AC012668	0	0	0	0	0	0
AC023128	0	0	0	0	0	0
GRID1-AS	0	0	0	0	0	0
AC092839	0	0	3	0	0	0
AL365199.	0	0	0	0	0	0
GTF3C2-A	13	7	14	12	5	0
LINC0152	2	3	2	5	0	0
AC104667	0	0	0	0	0	0
AL139121.	0	0	0	0	0	0
AL138799.	0	0	0	0	0	0
LINC0253	0	0	0	0	0	0
AL133415.	6	8	62	18	23	5
LINC0070	0	0	0	0	0	0
AL357558.	0	0	0	0	0	0
AL355989.	0	0	0	0	0	0
AC074389	0	0	0	0	0	0
Z82185.1	0	0	0	0	0	0
AL731661.	0	0	0	0	0	0
LINC0184	0	0	0	0	2	0
AC016745	1	1	0	5	0	3
AC244453	2	2	2	0	0	0
AL450468.	2	0	6	2	4	0
AL161785.	6	2	6	6	1	7
LINC0188	0	0	0	0	0	0
AL512622.	1	0	0	0	2	0
AL353651.	0	0	0	0	0	0
SEMA3F-A	36	14	59	42	30	19
AL390783.	0	0	0	0	0	0
AL591848.	7	3	2	8	0	10

AP001626.	0	3	0	0	0	0
AC097468	0	0	0	0	0	0
DPP10-AS	0	0	0	0	0	0
AC068580	24	19	45	15	19	17
MNX1-AS2	0	0	0	0	0	0
BMP7-AS1	0	0	0	0	0	0
AL590999.	6	0	4	18	3	4
AC005234	0	0	0	0	0	0
AL445193.	0	0	0	0	0	0
AC098820	2	0	6	0	0	0
AC016751	0	0	0	0	0	0
LINC00940	51	6	12	32	21	19
MLIP-AS1	0	0	0	0	0	0
AL357497.	0	1	0	0	2	0
AL021154.	7	8	7	11	2	3
LINC01777	0	0	0	0	0	0
AC010983	13	6	5	9	21	20
ZMYND10	7	3	8	6	6	6
AC008175	0	0	28	0	0	0
AC009303	11	3	10	6	3	5
AC062015	0	0	0	0	7	0
AC012074	131	80	133	148	102	141
AC073842	1	2	0	10	5	2
AC231981.	13	12	29	15	22	11
ZRANB2-A	0	4	3	3	3	3
AC091153	0	0	0	0	1	0
FNDC1-IT1	0	0	0	0	0	0
BX324167.	0	0	0	2	0	0
ID2-AS1	9	3	13	18	7	13
AC118555	3	0	0	3	2	0
LINC00330	0	0	0	0	0	0
AL138731.	0	0	0	0	0	0
AL157400.	5	2	0	11	0	4
Z97192.3	1673	821	2705	1300	1417	1271
AL138895.	19	21	28	20	20	8
BSN-AS1	0	5	0	0	0	0
AL645504.	6	0	4	9	0	2
AL121974.	0	0	0	0	0	0
DSCAM-A	0	0	0	0	0	0
AC128709	0	0	0	0	0	0
AC068286	2	0	0	3	2	0
AL136528.	0	0	0	0	0	0
AL445931.	3	10	9	5	0	4
AC003984	0	0	0	0	0	0
AC026391	0	0	0	0	0	0
LINC02532	0	0	0	0	0	0
AL445235.	0	0	0	0	0	0
AC114498	0	0	0	0	0	0
AC096659	0	0	0	0	0	0
AC131097	8	10	31	17	46	8
AL353052.	0	0	0	0	0	0
FP325330.	0	0	0	0	0	0
AC087430	0	0	0	0	0	0
AL121672.	9	4	4	4	3	2
LINC02248	0	0	0	0	0	0
LINC01440	0	0	0	0	0	0
AL078581.	0	0	0	0	0	0
LINC01366	7	8	5	13	4	3

LINC00601	0	0	0	0	0	0
AL031727.	2	2	1	0	0	0
AL034405.	6	3	7	2	0	3
NUCB1-AS	2	0	0	0	0	2
AC009495	94	38	102	118	84	71
AC005871	0	0	0	0	0	0
LINC01702	0	0	0	0	0	0
LINC02578	0	0	0	0	0	0
LINC01525	0	0	0	0	0	0
AL162724.	2	0	1	2	0	0
AL022318.	0	0	0	0	0	2
FAM83C-A	0	0	0	0	0	0
AL592431.	0	0	0	0	0	0
LINC00383	0	0	0	3	0	0
AC137630	8	5	11	3	2	5
Z82188.2	9	6	14	2	5	15
AC010982	0	0	0	0	0	0
DANT2	19	6	8	14	8	4
AL360181.	185	140	357	194	155	139
AL020993.	0	0	2	0	0	0
ITGA9-AS1	29	35	46	34	51	44
KDM5C-IT	45	94	152	106	55	62
AL928921.	0	0	0	0	0	0
LINC02331	0	0	0	0	0	0
LINC01422	35	19	50	41	39	51
AF127577.	0	0	2	0	0	0
AC069079	0	2	0	0	0	0
MCF2L-AS	9	4	8	9	0	15
AL713851.	0	0	0	0	0	0
SMIM2-IT1	0	0	0	0	0	0
AC099329	465	338	663	585	564	381
AL109838.	0	0	0	0	0	0
AC114814	0	0	0	0	0	0
LINC01634	0	0	5	0	0	0
AC145207	0	0	0	0	0	0
AL354733.	13	8	15	6	7	6
THRA1/BT	9	0	15	9	1	4
AL023495.	0	0	0	0	2	0
LINC01281	22	6	54	14	7	25
HM13-IT1	55	27	101	51	50	38
LINC00957	245	188	276	118	93	220
AC012360	3	0	2	0	0	3
AC007556	0	5	8	5	3	10
AC016723	2	2	2	2	2	1
AC093083	0	0	0	0	0	0
LINC01665	0	0	0	0	0	0
AC114730	6	2	4	5	0	5
AL592466.	0	0	0	0	0	0
LINC01621	0	0	0	0	0	0
AC093151	4	2	32	13	16	26
AC016292	0	0	2	0	0	0
LINC01055	0	0	0	0	0	0
AL596202.	658	293	434	500	270	463
LINC02154	0	0	0	0	0	0
AL583805.	0	0	0	0	0	0
EPN2-AS1	0	0	3	0	0	0
AL135902.	0	0	0	0	0	0
AC114808	0	0	0	0	0	0

CYMP-AS1	0	0	0	0	0	0
AL157896.	0	0	0	0	0	0
TTTY4B	0	0	0	0	0	0
AC005808	0	0	0	2	0	0
AC010149	4	2	1	1	0	0
AC068768	277	175	418	106	434	259
AL133481.	5	9	8	6	2	0
AC006159	0	0	0	0	0	0
AC004936	0	0	0	0	0	0
AL391883.	0	0	0	0	0	0
AC096666	0	0	0	0	0	0
LINC01278	627	281	670	652	390	448
AC016027	9	9	15	5	7	23
AL512271.	0	0	0	0	0	0
LURAP1L-A	0	0	0	0	0	0
AC079760	1	0	2	0	0	0
IQCF5-AS1	0	0	0	0	0	0
AC003001	0	0	0	0	0	0
AC007652	0	0	0	0	0	0
NEURL1-AS	0	0	0	0	0	0
LINC01664	10	4	6	4	0	2
AC013270	0	0	0	0	0	0
UBE2R2-AS	8	0	5	7	4	0
GYG2-AS1	0	0	0	0	0	0
JARID2-AS	8	9	12	5	4	5
LINC01889	0	0	0	0	0	0
LINC01221	0	0	0	0	0	0
LINC01967	0	0	0	2	0	1
AL590705.	0	0	0	0	0	0
AC007422	0	0	0	0	0	0
AC012506	0	0	0	0	0	0
AC073046	384	249	572	330	237	238
AC105942	12	0	0	0	0	0
AC079799	0	0	0	0	0	0
TAB3-AS2	0	2	6	0	0	0
AL035681.	87	41	90	67	158	64
AC011196	0	0	0	0	0	0
LINC01815	0	0	0	0	0	0
AC010978	5	7	6	5	4	4
AL135924.	0	0	0	0	0	0
AL355990.	0	0	0	0	0	0
HIPK1-AS1	8	43	39	38	8	4
AGAP1-IT1	15	0	14	7	0	8
AC087294	260	115	237	167	170	227
MSC-AS1	39	115	238	241	156	138
LINC00402	2784	879	2267	1851	892	1594
AL360089.	0	0	0	0	0	0
TRDN-AS1	0	0	0	0	0	0
AC009411	0	0	0	0	0	0
AL137005.	0	0	0	2	0	0
AC103923	8	6	20	12	7	17
AC002310	53	28	27	56	31	61
AL445183.	0	0	6	0	0	0
AP000477.	0	0	0	0	0	0
LINC00533	0	0	0	0	0	0
AL353615.	0	0	0	0	0	0
Z99758.1	0	0	2	0	0	0
LINC01871	127	23	123	125	73	88

AC007731	5	0	5	0	0	0
AC008268	0	0	0	0	0	0
AC011247	0	0	0	0	6	1
GNAS-AS1	16	12	68	34	21	52
RBMS3-AS	0	0	0	0	0	0
LINC01102	0	0	0	0	0	0
BARX1-DT	0	0	0	0	0	0
AF127577.	257	162	402	237	410	267
AC013448	0	0	0	0	0	0
AL353681.	0	0	0	0	0	0
AJ239322.	0	0	0	0	0	0
AC020743	0	0	0	0	0	0
LINC00494	319	106	278	138	197	160
AL138957.	0	0	0	0	0	0
TNR-IT1	0	1	0	0	4	0
AC090952	15	4	10	10	10	8
AC016644	0	0	3	0	0	0
AC069023	0	0	0	0	0	0
LINC00484	5	4	4	16	2	7
LINC01647	0	0	0	0	0	0
AL450311.	0	0	0	0	0	0
AL356599.	155	42	66	143	58	59
AL391987.	10	0	3	0	0	0
LINC00345	0	0	0	2	0	0
MIR670HG	0	0	0	0	0	0
SAPCD1-A	4	2	23	10	9	9
LINC00298	105	36	201	146	89	81
AC004593	6	0	8	4	5	5
AC116614	0	0	9	5	2	4
LINC00894	1626	806	1575	1955	1075	1450
DICER1-AS	165	101	143	125	60	109
AL109810.	0	0	0	0	0	0
DPP10-AS	0	0	0	0	0	0
AC009299	0	0	6	3	0	2
AC007389	0	0	0	0	0	0
AC010148	0	0	8	0	7	16
AC007349	7	17	5	15	7	4
LINC02250	0	0	0	0	0	0
AL031275.	0	0	0	0	0	0
PHACTR2-	20	0	8	6	0	6
AC099796	0	0	0	0	0	0
AL139231.	0	0	0	0	0	0
AL390860.	0	0	0	3	0	0
HCG20400	48	30	49	58	27	49
LINC00607	11	0	16	8	8	15
AP001625.	5	3	5	1	3	0
AC023347	0	0	0	0	0	0
DPYD-AS2	0	3	3	14	0	0
AC079779	0	0	0	0	0	0
LINC02569	13	8	13	6	13	7
AL031429.	7	25	24	15	0	0
AL109767.	30	13	18	16	8	11
ZNRF3-IT1	3	3	3	0	0	2
AC114488	2	5	5	3	5	6
AC093157	174	35	118	71	89	107
HCFC1-AS	5	4	5	1	5	3
AF241728.	0	0	0	0	0	0
AL672032.	0	0	0	0	0	0

AL136099.	0	0	0	0	0	0
AL158828.	0	0	0	0	0	0
AL109935.	0	0	0	0	0	0
OLMALINC	37	24	81	45	40	27
LINC00837	0	0	0	0	0	0
SRGAP3-A	0	0	0	0	0	0
BHLHE40-	84	40	106	69	41	36
Z93022.1	99	53	138	80	50	60
AC073333	0	0	0	0	0	0
AC012363	0	5	6	4	3	2
AL390961.	30	17	56	52	28	22
AC098649	0	0	0	0	0	0
RMDN2-A	15	4	6	8	9	11
HS6ST2-A	0	0	0	0	0	0
AC005540	96	75	279	107	76	79
AL359195.	0	0	0	0	0	0
AL590648.	0	0	0	0	2	6
GSN-AS1	35	7	20	11	6	7
AC078777	10	6	22	16	0	14
ARHGEF7-	0	0	0	0	0	0
AL158832.	3	0	3	6	1	0
AC114776	0	0	0	0	0	0
LINC00941	0	0	0	0	0	0
LINC01828	0	0	0	0	0	0
AC006055	0	0	0	0	0	0
AC239859	0	0	0	0	0	0
AF064858.	24	3	26	11	8	10
TSPEAR-A	2	25	28	19	4	23
TM4SF19-	71	27	75	63	33	27
LINC01564	0	0	0	0	0	0
AC108472	0	0	0	0	0	0
CPB2-AS1	21	6	16	14	0	8
RBMS3-AS	0	0	0	0	0	0
RHOA-IT1	75	93	255	119	73	74
APOA1-AS	6	5	4	2	2	7
AC019055	0	0	0	0	0	0
MACROD2	0	0	0	0	0	0
ASH1L-AS	81	68	141	111	73	73
NEXN-AS1	16	10	38	3	10	12
LINC01553	0	0	0	0	0	0
LINC01779	0	0	0	0	0	0
AC007405	0	0	0	0	0	0
AL138760.	0	0	0	0	0	0
TMEM212	0	0	0	0	0	0
EGOT	0	5	11	0	4	0
AC061961	0	0	0	0	0	0
TTC28-AS1	780	453	663	570	391	497
UBOX5-AS	6	1	6	7	0	2
AP000431.	0	0	0	0	0	0
AL355497.	0	0	0	0	0	0
AC018816	35	9	27	48	28	25
AC004448	0	0	0	0	0	3
GPC5-AS1	0	0	0	0	0	0
MORC2-A	36	18	41	22	19	10
HGC6.3	0	2	1	1	0	3
AL136090.	3	0	0	5	0	0
LINC01936	6	0	0	2	0	10
AC007731	7	4	7	3	7	0

LINC01814	101	71	160	94	63	49
AL592309.	0	0	0	0	0	0
AL357146.	0	0	0	0	0	0
ASMTL-AS	771	203	453	474	260	311
AL359265.	6	21	22	19	10	3
AC106017	0	0	0	0	0	0
PRRX2-AS	0	0	0	0	0	0
AL354766.	0	0	0	0	0	0
AL591721.	6	2	0	7	3	2
LINC00445	0	0	0	0	0	0
AC019117	4	6	11	4	7	9
AL031283.	13	0	0	2	0	1
AC004920	0	0	0	0	0	0
LINC01920	0	0	0	0	0	0
MYCBP2-A	35	42	59	28	36	30
LINC01643	0	0	0	0	0	0
LINC01067	0	0	0	0	0	0
Z82246.1	0	0	0	0	0	0
AL034399.	0	2	0	0	0	0
AL020995.	6	0	2	0	2	0
AL136987.	1	3	0	0	0	0
AL359475.	6	5	10	4	5	2
LINC01072	6	0	0	2	0	0
LINC01447	0	2	2	0	0	0
ELFN1-AS1	0	4	0	0	3	0
COX10-AS	1198	594	1172	1052	587	905
LINC02243	0	0	0	0	0	0
LINC00545	0	0	0	0	2	0
AL807757.	87	42	92	53	87	78
AC097059	0	0	0	0	0	0
AC006967	0	0	0	0	0	0
AC010729	0	0	0	0	0	0
AC010127	0	0	0	0	0	2
AC013402	0	0	0	0	0	0
AL136097.	0	0	0	0	0	0
AC064853	0	0	0	0	0	0
LINC01639	0	0	0	0	0	0
AP000688.	0	0	0	0	0	0
AC110995	0	0	0	0	0	0
AP002856.	0	0	0	0	0	0
PTCSC2	5	3	0	3	3	0
LINC01069	0	0	0	0	0	0
AL445231.	13	12	7	20	6	16
AC245014	8	2	1	3	0	1
AC013727	0	0	0	0	0	0
TMEM147-	719	312	1094	669	570	686
AC079988	0	0	0	0	0	0
AL110503.	0	0	0	0	0	0
AC104076	2	0	0	0	0	0
AL450311.	0	0	0	0	0	0
AC092687	2	0	0	0	0	0
AL161618.	0	0	0	0	0	0
AL021408.	5	0	1	0	0	0
MIR7515H	0	0	0	0	0	0
AL049612.	0	0	0	0	0	0
LINC00353	0	0	0	0	0	0
PRKX-AS1	0	5	2	2	0	1
LINC01953	0	0	0	0	0	0

AC099811	910	706	1365	1023	719	956
AC002429	0	0	0	0	0	0
AL359076.	10	4	13	0	0	1
KDM4A-A	6	6	11	10	0	22
GRM7-AS1	2	0	0	0	0	0
LINC01376	20	15	22	19	15	20
AL356441.	0	0	0	0	0	0
C10orf71-	0	0	0	0	0	0
AC104135	123	20	93	55	0	0
AC009262	0	0	0	0	0	0
AC006369	94	46	70	100	48	90
AC073127	0	1	0	0	0	0
AL356108.	0	0	0	6	0	0
AC017048	0	0	0	0	0	0
AC091132	0	2	9	2	1	2
GPC5-IT1	0	0	0	0	0	0
MYO16-AS	0	2	2	0	0	0
AL122008.	0	0	0	0	0	0
AC009404	277	140	222	247	171	218
DIAPH2-A	2	2	2	5	2	10
SHANK2-A	0	0	0	0	0	0
AC234582	14	0	8	3	7	9
Z98884.1	38	32	17	33	16	6
AP006216.	0	0	0	0	0	0
LINC01361	6	0	4	0	0	0
Z82214.2	0	0	0	0	0	0
NDP-AS1	0	0	0	0	0	0
AC019197	50	33	70	19	39	43
GACAT3	0	0	0	0	0	0
AC138024	0	0	0	0	0	0
AC007557	0	0	0	0	0	0
AC092634	0	0	0	0	0	0
MRGPRG-	0	0	0	0	0	0
AL157712.	21	12	25	17	25	6
AP001189.	432	776	1015	326	1802	537
SLC12A9-A	7	3	0	4	3	4
LINC01241	0	0	0	0	0	0
AL138921.	15	2	14	5	3	6
TLX1NB	0	0	0	0	0	0
KCCAT333	0	0	0	0	1	0
AL035634.	0	2	0	0	0	0
AL050331.	2	0	3	0	1	0
AP001604.	0	0	0	0	0	0
TRHDE-AS	2	2	0	5	12	2
AL161638.	0	0	0	0	0	0
AL022725.	0	0	0	0	0	0
FMR1-IT1	64	44	83	65	65	44
AC000099	0	0	0	0	0	0
AL161740.	0	0	0	0	0	0
AL354719.	52	60	53	26	72	29
AL513123.	0	0	0	0	0	0
AC005220	5	4	9	6	0	22
LINC00437	0	0	0	0	0	0
AL391415.	0	0	0	0	0	0
AC079584	0	0	0	0	0	0
AL355472.	9	3	0	8	2	6
AL358115.	0	0	12	2	0	0
AL359313.	0	0	0	0	0	0

AL353052.	0	0	0	0	0	0
AL391704.	0	0	0	0	0	0
AL353780.	0	0	0	0	0	0
AC084809	0	0	0	0	0	0
AL133319.	2	0	0	0	0	0
LINC00479	0	0	0	0	0	0
AC026355	0	0	0	0	0	0
AL139350.	0	0	0	0	0	0
ITCH-AS1	0	0	3	0	0	0
AL121970.	0	0	2	0	0	0
AC092800	0	0	0	0	0	0
AC091806	0	2	2	0	0	0
AL807752.	0	0	0	0	0	3
AL353611.	6	0	5	8	0	3
VLDLR-AS	6	13	0	2	2	0
AC073336	0	0	0	0	0	0
AC092941	0	0	0	0	0	0
AC004415	0	0	0	0	0	0
LINC01134	62	13	46	63	39	50
AL583824.	2	10	19	0	3	4
AL589986.	4	3	1	2	0	3
AC097662	43	18	35	48	13	14
AL162430.	0	0	8	0	3	0
AC012361	0	0	0	0	0	0
LINC02151	0	0	2	0	0	0
LINC00608	0	0	0	0	0	0
ATG10-IT1	45	19	47	41	19	15
AC010894	4	0	2	0	0	4
AC067956	0	0	0	0	0	0
AC123023	19	5	8	2	8	5
AC003092	0	0	0	0	2	1
AC090617	22	8	32	25	14	24
AL162425.	0	0	0	0	0	0
LINC00427	10	9	5	14	8	6
LINC02559	0	0	0	0	0	0
AL359633.	0	0	0	0	0	0
KCNMA1-	2	0	6	2	3	16
AC007881	0	0	2	0	6	0
AF127577.	0	0	0	0	0	0
AC002401	6	0	0	0	0	1
LINC02195	0	0	2	0	0	0
LINC01945	0	0	0	0	0	0
AC008080	2	0	0	0	0	1
AL158168.	0	0	0	0	0	0
LINC01744	0	0	0	0	0	0
AC107081	6	0	0	3	0	0
LINC00896	106	10	66	104	3	58
AC074286	0	0	2	0	0	0
SIX3-AS1	0	0	0	0	0	0
BX470209.	0	0	0	0	0	0
ATP13A5-	0	0	2	0	11	2
AC011284	0	0	0	0	0	0
LINC01231	0	0	0	0	0	0
AC074035	0	0	0	0	0	0
AL135791.	21	14	17	13	7	13
LINC01424	14	3	7	10	5	9
GPC6-AS1	0	0	0	0	0	0
AC007278	946	365	487	882	580	393

AL035448.	0	0	0	0	0	0
AL033528.	15	10	23	17	12	12
AC006013	0	0	0	0	0	0
LINC0169	2	6	3	17	0	8
RC3H1-IT	226	161	304	251	153	147
AC003986	0	0	0	0	0	0
AC006547	22	4	37	17	0	8
AC008060	0	0	0	0	0	0
AP001619.	0	0	2	0	0	0
AL033527.	4	3	8	5	5	0
RNF217-A	38	29	24	22	29	14
AC025038	0	0	0	0	0	0
AL117381.	51	12	26	21	16	31
AC006369	0	1	0	4	0	1
STARD13-	6	0	0	0	0	0
AL357992.	0	0	0	0	0	0
AL732372.	0	0	0	0	0	0
AC023115	0	0	0	0	0	0
LINC0255	7	3	4	13	2	5
AC127070	7	1	6	0	0	3
PITPNA-A	8	8	20	13	11	10
AL590302.	0	0	0	0	0	0
AC016903	0	0	0	0	0	0
LINC0254	0	0	0	0	0	0
Z99916.1	3	0	0	0	0	3
AL354928.	0	0	0	0	0	0
AL136529.	0	0	0	0	0	0
DLX2-DT	0	0	0	0	0	0
LINC0192	12	3	4	2	11	0
AL365440.	0	0	0	0	0	0
AL161733.	0	0	0	0	0	0
AL133215.	26	10	20	11	6	17
FRGCA	0	0	0	0	0	0
AC011998	0	0	0	0	0	0
AC114808	0	0	0	0	0	0
POTEH-AS	0	0	0	0	0	0
AC006450	0	0	0	0	0	0
PRKG1-AS	0	2	2	0	2	4
AL117378.	3	0	0	0	0	0
AC117944	0	0	0	0	0	0
AP000688.	0	0	0	0	0	0
LINC0034	0	0	0	0	0	0
AC068282	87	23	117	107	13	187
AL160271.	0	0	0	0	0	0
LINC0101	0	0	0	2	0	0
MYB-AS1	0	0	0	0	0	1
AC073316	0	3	0	0	0	0
DAPK1-IT	120	37	89	73	62	69
SMAD9-IT	0	0	0	0	0	0
LINC0184	0	0	0	0	0	0
AL355376.	0	0	0	0	0	0
OVAAL	0	0	0	0	0	0
LINC0174	0	0	0	0	0	0
AL606760.	44	17	42	43	17	47
AL137071.	0	0	0	0	0	0
AL354794.	0	0	0	0	0	0
AL033384.	0	4	5	5	5	4
AC016822	0	0	0	0	0	0

LINC01282	0	0	0	0	0	0
LINC01186	0	0	0	0	0	0
MKLN1-AS	78	30	64	59	21	49
AC007666	3	0	2	9	3	12
DNAJC9-A	21	3	44	14	8	9
MTUS2-AS	0	0	0	0	0	0
AC019118	11	2	8	10	6	12
AL139237.	0	0	0	0	0	0
AL034550.	24	9	22	23	15	7
INTS6-AS1	664	204	535	224	252	292
LINC01829	2	4	0	0	0	0
LINC00299	776	476	1607	1449	773	849
AC006004	0	0	0	0	0	0
AL355340.	12	2	8	5	1	6
AC068898	10	0	0	0	0	0
ELOA-AS1	187	62	181	154	95	147
AL606804.	0	0	0	0	0	0
LINC01563	0	0	0	0	0	0
NMBR-AS	0	0	0	0	0	0
AL035691.	0	0	0	0	0	0
LINC00529	0	0	0	0	0	0
DMD-AS3	0	0	0	0	0	0
CBR3-AS1	184	96	172	146	136	255
AC024560	0	3	3	5	4	0
LINC00421	0	0	0	0	0	0
PCYT1B-A	0	0	0	0	0	0
AC139712	0	0	0	0	0	0
AC090617	3	0	0	0	0	0
AC069280	0	0	0	0	0	0
AC007750	0	0	0	0	0	0
AC010997	0	0	0	1	0	3
AL359979.	2	0	0	0	0	2
LINC01474	13	2	12	12	11	6
AL121656.	0	0	0	0	0	0
AC105393	0	0	0	0	0	0
AL008638.	0	0	0	0	0	0
NIFK-AS1	223	80	191	147	106	155
AC006378	0	0	0	2	0	3
AC068295	0	0	0	0	0	0
AL157902.	3	0	3	0	0	2
ZKSCAN7-	6	0	4	2	0	0
LINC00106	382	145	397	322	154	244
AL137078.	0	0	0	0	0	0
LINC01554	6	7	14	16	7	4
AP001615.	0	0	0	0	0	0
AC018731	0	0	0	0	0	0
AC007563	0	0	0	0	0	0
AC244035	0	0	0	1	0	0
AL357833.	0	0	0	0	0	0
AL354726.	0	0	1	0	0	0
AC113331	0	0	0	0	0	0
MIR600HG	1627	914	1520	1138	993	950
AC005865	2	0	0	0	0	0
AL137789.	2	0	6	0	0	0
LINC01852	8	3	5	4	0	0
AL356270.	20	17	32	28	18	41
AL590727.	0	0	0	0	0	0
AL157937.	0	0	0	0	0	0

LINC01378	0	0	0	0	0	0
AL162411.	0	0	0	1	0	0
AP003774.	5	19	20	14	13	80
AL031005.	13	12	45	12	62	8
AC003092	0	0	0	0	0	0
BAALC-AS	0	0	0	0	0	0
AL139412.	18	2	8	11	4	6
AL365255.	22	10	5	20	14	7
LINC01774	0	0	0	0	0	0
AC007359	5	0	14	0	0	0
ZDHHC20-	68	30	67	58	57	37
AC051618	0	0	0	0	0	0
AL136131.	0	0	0	0	0	0
LINC01141	2	0	2	0	2	0
AL451164.	4	0	0	3	8	0
AL137793.	0	0	0	0	0	0
ANKRD44-	2232	1348	2665	2035	1270	1513
AL121892.	0	0	0	0	0	0
AL157938.	8	1	4	6	1	4
AC130710	0	0	0	0	0	0
AC025822	7	2	11	7	5	4
EDRF1-AS	2	0	11	8	0	5
MLIP-IT1	0	0	0	0	0	0
ATP2B2-IT	0	0	0	0	0	0
WASF3-AS	0	0	2	0	0	0
AL590730.	0	0	0	0	0	0
GLIS3-AS1	0	0	0	0	0	0
AL357793.	0	0	2	0	0	0
LINC01812	0	0	0	0	0	0
AL031186.	0	0	0	0	0	2
AC245052	64	47	62	69	25	12
AC004470	0	0	0	0	0	0
AL159174.	2	0	3	0	0	0
AC008067	0	0	0	0	0	0
AC020719	0	0	0	0	0	0
ZEB1-AS1	223	96	194	125	102	143
NDUFA6-I	559	401	766	638	376	449
TTTY12	0	0	0	0	0	0
PRMT5-AS	10	26	40	11	7	4
LINC02087	0	0	0	0	0	0
AL831784.	2	0	0	0	0	0
AC100823	0	0	0	0	0	0
AL512649.	0	0	0	0	0	0
AL035420.	0	0	0	0	0	0
AC005550	0	0	0	0	0	0
AL162727.	2	0	12	4	0	0
AL596218.	0	0	0	0	0	0
AL035706.	0	0	0	0	0	0
EHMT2-AS	0	2	7	0	0	0
AC068134	0	0	0	0	0	0
LINC01065	0	0	0	0	0	0
AC092809	11	11	24	8	2	7
LINC01056	0	0	0	0	0	3
HAND2-A	0	3	0	0	0	0
AC073254	4	6	22	6	4	3
AL358234.	3	0	3	1	0	0
AC020594	24	8	20	15	6	20
HUNK-AS1	0	0	0	0	0	0

ZNF503-A	13	10	14	12	11	14
DLEU7-AS	49	23	17	17	9	50
AL162725.	0	0	0	0	0	0
CNTFR-AS	0	0	0	0	0	0
LINC01792	0	0	0	0	0	0
AC128709	0	0	0	0	0	0
AL445465.	0	0	0	0	0	0
LINC01797	0	0	0	0	0	0
AC147651	92	81	84	72	112	99
NR2F1-AS	0	0	0	0	0	0
AC242426	73	33	99	78	63	50
AL138900.	0	0	0	0	0	0
ZBTB40-IT	54	31	71	50	26	33
AL445072.	0	0	0	0	0	0
AL449403.	0	0	0	2	0	7
AC104777	0	0	0	0	0	0
PPEF1-AS1	0	0	0	0	0	0
LINC01968	0	0	0	4	2	0
AL157832.	3	0	5	5	0	0
ZNF295-A	2	2	8	5	2	0
TMEM26-A	0	0	0	0	0	0
Z99289.1	0	0	0	0	0	0
AC022173	2	0	0	0	0	0
LINC00987	841	691	1064	1144	603	1021
AL359924.	0	0	0	0	0	0
AL049646.	0	0	0	0	0	0
AC068492	0	0	0	0	0	5
LINC01810	0	0	0	0	0	0
LINC01519	0	0	0	0	0	0
AC009498	0	0	0	0	0	0
AL136982.	84	77	209	167	101	117
CATIP-AS2	0	0	0	0	4	0
LINC00851	0	0	0	0	0	0
AL691515.	0	0	0	0	0	0
AC004906	30	8	45	11	23	17
LINC01343	0	0	0	0	0	0
LINC01732	8	0	3	10	11	6
AC007099	0	0	0	0	0	0
TTN-AS1	2412	1537	3461	2474	1837	2601
AL121992.	0	2	0	0	0	0
GS1-124K5	29	16	48	36	20	38
AL034397.	2	0	11	5	7	2
AL590867.	0	0	0	0	0	0
Z82196.2	0	0	0	0	0	0
AC019064	0	0	0	0	0	0
AL354936.	2	0	0	0	0	2
AC093158	0	0	0	0	0	0
AC113608	0	0	0	0	0	0
UPP2-IT1	0	0	0	0	0	0
RAI1-AS1	5	0	8	9	0	0
XIAP-AS1	3	0	5	0	2	2
AL445489.	6	0	0	2	5	2
AL592182.	0	0	0	0	0	0
FTCD-AS1	0	0	0	0	0	0
LINC01502	0	0	0	0	0	0
SYP-AS1	14	0	0	6	5	7
AL132796.	0	0	0	0	0	0
AC246785	16	0	5	6	4	4

AL080313.	2	4	8	3	0	0
LINC01358	37	11	36	29	30	28
AL365295.	37	33	54	63	38	43
BX088651.	66	8	54	13	20	26
AL354977.	148	71	188	134	114	141
TUSC8	1	2	0	0	0	14
AL512330.	0	0	0	0	0	0
AC010907	0	0	0	0	0	0
AL355803.	2	3	0	3	0	0
UNQ6494	0	0	2	0	4	2
BRWD1-IT	98	39	95	79	60	81
AC005703	0	0	0	0	0	0
HOXD-AS2	0	0	0	0	0	0
AL583839.	8	0	0	5	6	0
AL022329.	2	0	4	0	0	0
AL645634.	0	0	0	0	0	0
AL139130.	4	0	2	0	0	0
LNCNEF	0	0	0	0	0	0
PITRM1-A	4	0	9	4	0	15
AC006960	4	0	4	0	0	0
LINC01304	0	0	0	0	0	0
CAMTA1-I	0	0	0	0	0	2
AP000552.	0	0	0	0	0	0
AP001092.	0	0	0	2	0	0
MGC27382	0	0	0	0	0	0
AL365204.	0	0	0	0	0	0
AL954642.	6	0	23	11	11	6
AL158071.	82	22	75	110	15	44
LINC01522	0	0	0	0	0	0
FOXD2-AS	189	115	302	189	104	145
BX293535.	19	9	21	28	9	23
AC099566	0	0	0	0	0	0
CAMTA1-I	3	2	9	5	0	4
AL359771.	0	0	0	0	0	0
AC096536	0	0	0	0	0	0
LINC01351	0	0	0	0	0	0
LINC01661	0	0	0	0	0	0
AL359710.	8	3	0	3	10	2
AL157714.	0	0	0	0	0	0
AL031663.	0	0	0	0	0	0
AL359547.	0	0	0	0	0	6
AC073115	4	0	24	17	14	8
AC068759	0	0	0	0	3	3
LINC01637	37	15	52	15	13	30
AC093911	0	0	0	0	0	0
AC007557	0	0	0	0	0	0
AL355306.	0	0	0	0	0	0
AL117350.	183	53	145	110	75	82
LINC01684	245	62	229	207	154	115
AL669831.	269	194	315	390	199	207
AL360007.	0	0	0	0	0	0
AC010105	0	0	0	0	0	0
AL357060.	767	418	954	653	544	428
AL713851.	0	0	0	0	0	0
PKN2-AS1	23	19	3	17	14	15
UNC5B-AS	0	0	0	0	3	0
AC007384	245	159	298	146	97	103
AL391832.	0	0	8	5	0	2

LINC00857	0	0	0	0	0	0
AC012668	2	2	7	4	2	0
AF241725.	0	0	0	0	0	0
AL137847.	23	0	10	9	0	5
AL136140.	0	0	0	0	0	0
AL672277.	27	6	0	0	2	7
AC012451	0	0	0	0	0	0
TTLL11-IT1	11	6	24	23	8	7
LINC02567	0	0	0	0	0	0
KCND3-AS	0	0	0	0	0	0
LINC01497	0	0	0	0	0	0
TTTY21B	0	0	0	0	0	0
Z97206.2	0	0	4	0	0	0
AC099063	32	7	21	23	9	10
AC073284	0	0	0	0	0	0
LINC01856	0	0	0	0	0	0
LINC01888	25	37	44	27	16	22
LINC01514	0	0	0	0	0	0
AC005538	0	0	0	0	0	0
LINC00407	1	0	2	0	0	0
AL590666.	0	2	0	0	0	0
AL137026.	0	0	0	0	0	0
AP000251.	0	0	0	0	0	0
AL161937.	0	2	1	0	0	0
AL138828.	4	2	0	6	2	0
AP001056.	29	25	49	55	89	85
AL591846.	0	0	0	0	0	0
AF064858.	0	0	3	2	0	0
AP002856.	0	0	0	0	0	0
FAM138A	0	0	0	0	0	0
AC073257	0	0	0	0	0	0
AL161629.	0	0	0	0	0	0
AC104623	2	2	7	4	0	2
FRY-AS1	13	17	46	14	12	10
LINC02245	133	63	89	58	130	61
AC004522	0	0	2	0	0	0
AL365226.	0	0	0	0	0	0
HLCS-IT1	53	14	53	42	16	22
AP003025.	0	0	0	0	0	0
AC073834	0	0	0	0	0	0
LINC00316	0	0	0	0	0	0
GRM7-AS2	0	0	0	0	0	0
LINC01115	0	0	136	3	28	17
LINC01866	0	0	0	0	0	0
TEX36-AS1	0	0	0	0	0	0
AL139039.	0	0	0	0	0	0
AL109615.	0	0	0	0	0	0
LINC00686	0	0	0	0	0	0
AC007064	0	0	0	0	0	0
BX072579.	0	0	0	0	0	0
AC008937	33	0	24	11	6	15
AL031726.	0	0	0	0	0	0
AC011287	0	0	0	0	0	0
P4HA2-AS	0	0	0	0	0	0
AL136309.	0	0	0	0	0	0
AC009095	16	0	13	11	0	0
AC011995	0	0	0	0	0	0
AF064858.	4	0	4	0	0	2

Z97987.1	0	0	0	0	0	0
AL163192.	0	0	0	0	0	0
AF130359.	0	0	0	0	0	0
DCTN1-AS	0	2	0	0	0	0
RNF216-IT	66	42	85	57	40	44
AC002368	0	0	0	0	0	0
AL365259.	0	7	0	0	0	0
AC011900	0	0	0	0	0	0
LINC01143	0	0	0	0	0	0
FLJ42351	282	126	224	162	119	233
AL592435.	2	0	0	0	0	0
AL590483.	0	0	0	0	0	0
AC023669	0	0	0	0	0	0
AL161646.	0	0	0	0	0	0
AC010099	0	0	4	0	0	0
LINC01370	0	0	0	0	0	0
AL731563.	0	0	0	0	0	0
AC092620	47	33	57	71	90	27
AC073332	64	33	120	115	51	65
DDR1-DT	0	0	0	0	0	2
AL356356.	186	243	230	151	129	108
GFOD1-AS	5	3	9	6	6	2
C3orf79	0	0	2	0	0	0
LINC01318	2	5	2	0	5	0
AL161935.	5	7	6	3	4	9
AC010894	2	8	7	5	6	0
LINC00211	79	197	172	81	57	76
AC022034	0	0	0	0	0	0
AC002066	0	0	5	5	0	0
AC002454	1	0	0	0	3	0
AL138808.	0	0	0	0	0	0
PHKA2-AS	21	5	14	15	7	13
AC159540	0	0	0	0	0	0
AC092422	0	0	0	0	0	0
AC016903	0	0	0	0	0	0
AC016766	0	0	0	0	0	0
AL139161.	2	0	3	4	3	4
AL023584.	2	0	2	2	0	0
AC119800	25	11	25	23	10	23
NFIA-AS1	0	0	0	0	0	0
AC062020	0	0	0	0	0	0
Z94160.1	0	0	0	0	0	3
AL035425.	0	0	0	0	0	0
LINC00322	0	0	0	0	0	0
AC073130	0	0	0	0	0	0
AL136972.	0	0	0	0	0	0
LINC01473	163	31	83	126	82	70
LINC00398	16	7	9	11	27	11
LINC01885	0	0	0	0	0	0
DGUOK-A	17	2	16	19	9	8
NALT1	25	17	21	34	14	21
KLF7-IT1	280	176	375	248	162	159
AC005008	0	0	0	0	0	0
AL031289.	3	2	3	4	2	2
AC004000	10	8	21	16	18	22
SIRPG-AS1	0	0	8	9	0	0
AL158840.	0	0	0	0	0	0
AC004543	0	0	0	0	0	0

LINC0257(	0	0	0	0	0	0
AL078604.	28	40	53	33	35	33
NFIA-AS2	0	0	0	0	0	0
AL590729.	0	0	3	3	0	2
AP000770.	0	0	0	0	0	0
AL450998.	3	0	9	11	3	2
LINC0123(	957	455	1015	867	879	688
KCNQ1DN	0	0	0	0	0	0
PRKCQ-AS	2340	1095	1760	1976	1041	2010
LINC0064(	2809	2198	2180	2075	1737	2254
AL583854.	0	0	0	0	0	0
LINC0084(	0	0	0	0	0	0
AL357079.	32	13	39	13	9	24
AL445218.	0	0	0	0	0	0
FLG-AS1	7	0	13	2	11	0
AL391069.	13	11	13	6	12	2
KCNMB2-/	6	2	2	4	0	2
AL590648.	9	2	0	2	3	9
CELF2-AS2	0	0	0	0	0	0
AL606970.	0	0	0	0	0	0
LINC0167(	30	28	45	45	48	31
CNTN4-AS	13	10	40	9	21	14
LINC0180(	0	0	0	0	0	0
AL365318.	2	2	0	0	2	0
AC003659	0	0	0	0	0	0
AC009227	0	0	0	0	0	0
AL391832.	24	55	82	32	21	19
AC024619	0	4	0	2	10	5
AL627309.	28	24	57	40	33	34
AL161908.	0	0	0	0	0	0
AC114752	0	0	0	0	0	0
AC093110	17	5	19	10	11	18
AL360169.	0	0	0	0	0	0
HTR3E-AS	0	0	0	0	0	0
AL390730.	0	0	0	0	0	0
AC090505	0	0	0	0	0	0
AL109807.	0	0	0	0	0	0
AC138035	209	142	294	91	109	78
AC244197	176	68	242	215	123	39
LINC0225(	21	15	12	10	14	19
AC024559	0	0	0	0	0	0
AC009133	276	114	357	272	135	152
AL691515.	0	0	0	0	0	0
ZEB2-AS1	80	34	219	61	106	30
AL355574.	15	6	12	10	7	15
SPATA3-A	0	3	0	0	0	0
LINC0168(	0	20	4	2	10	0
LINC0135(	7	6	6	3	6	20
LINC0203(	0	0	0	0	0	0
LINC0162(	0	0	0	0	0	0
AL080248.	0	0	0	0	0	0
AC245100	0	0	0	0	0	0
LINC0141(	1160	345	905	981	423	466
AP000844.	0	0	0	0	0	0
LINC0158(	0	0	4	0	0	0
LINC0042(	544	270	814	530	273	498
AL359258.	0	0	49	16	0	0
MID1IP1-/	3	7	2	0	0	0

AC114501	0	0	0	0	0	0
AL121904.	0	0	0	0	0	0
AC073521	0	0	0	0	0	0
MAP3K20-	5	0	3	0	7	6
AC104170	6	4	0	0	0	0
BRWD1-A	15	3	5	10	0	3
BX284668.	81	35	57	80	40	73
AL445465.	0	0	0	0	0	0
AL391422.	0	0	0	0	0	0
AC116366	80	186	133	65	65	26
TNFRSF14	653	219	611	366	274	382
LINC01053	0	0	0	0	0	0
AC068196	2	0	0	0	0	0
AL390061.	0	0	0	0	0	0
AC078993	0	0	0	0	0	0
CD81-AS1	8	6	18	6	11	7
AL353680.	0	0	0	0	0	0
AL603839.	2	0	0	0	0	0
ENOX1-AS	0	0	0	0	0	0
BX284656.	0	0	0	0	0	0
AL121908.	0	0	0	0	0	0
AL021153.	0	0	0	0	0	0
PAXBP1-A	436	152	344	301	210	290
AL357055.	17	2	20	21	10	9
AC114752	0	0	6	0	30	0
AC002465	0	0	0	0	0	0
AC009312	0	0	0	0	0	0
LINC02096	0	0	0	0	0	0
LINC01877	0	0	0	0	0	0
AL139095.	5	4	2	7	0	0
AC104462	2	0	0	0	0	0
LINC00391	0	0	0	0	0	0
AL356364.	0	0	0	0	0	0
AC097066	0	0	0	0	0	0
AC069549	0	0	2	0	0	0
ST6GAL2-I	0	0	0	0	0	0
AL121748.	0	0	0	0	0	0
AL513320.	10	13	5	26	3	5
NTM-IT	0	0	0	0	0	0
LINC00317	0	0	0	0	0	0
LINC00707	0	0	2	9	3	0
AL591504.	0	0	0	0	0	0
AL139142.	0	0	0	0	0	0
AC108058	8	6	12	4	5	12
AL354863.	0	0	0	0	0	0
AC068483	0	0	0	0	0	0
BX470102.	0	0	2	0	2	2
AC067751	2	3	6	2	2	2
AL121781.	0	0	0	0	0	0
LINC01448	0	0	0	0	0	0
AL603839.	27	8	17	13	0	19
AL034417.	0	0	0	0	0	0
AL391704.	0	0	0	0	0	0
AC004969	0	0	0	0	0	0
LINC02006	0	0	0	0	0	0
LINC02031	0	0	0	0	0	0
AC093484	247	117	358	296	132	123
LINC02023	0	0	0	0	0	0

NCK1-DT	191	71	180	171	127	147
AL139420.	0	0	0	1	0	0
AC008040	19	26	16	28	18	8
TTTY23	0	0	0	0	0	0
CLRN1-AS	0	0	4	2	2	0
AC092691	0	0	0	0	0	0
AC080162	19	8	21	9	12	6
AC092916	0	0	0	0	0	0
MORC1-A	0	0	0	0	0	0
ATP6V1B1	0	2	0	4	8	6
LINC01119	6	6	9	4	8	2
LLPH-DT	0	0	0	0	0	1
AC073111	0	0	0	2	0	0
AC125613	0	0	0	0	2	0
Z68871.1	160	45	149	95	45	67
AP001469.	90	48	81	102	59	90
LINC02008	0	0	0	3	0	0
ST3GAL6-A	5	5	0	0	19	0
AC004882	0	0	0	0	0	0
SIDT1-AS1	1	6	7	5	0	0
LINC02047	0	0	0	0	0	0
AC091212	0	0	0	0	0	0
AC007405	0	0	3	0	0	0
AC073517	0	0	3	12	0	0
AC112487	0	0	0	0	0	0
AC019211	0	0	0	0	0	0
PLCH1-AS	0	0	0	0	0	0
LINC01210	0	0	0	0	0	0
CADM2-A	0	0	0	0	0	0
MYLK-AS1	16	43	41	52	32	16
HOXB-AS2	2	0	0	0	0	0
KMT2E-AS	156	81	107	108	86	88
AC108749	0	0	0	0	0	0
AC018730	0	0	0	0	0	0
LINC00879	0	0	0	0	0	0
AL513122.	2	0	0	2	6	2
RUVBL1-A	3	9	4	3	8	6
AC073288	0	0	0	0	0	0
AC004865	89	68	155	109	42	91
PLS1-AS1	0	0	0	0	0	0
PSMD6-AS	2876	1727	3163	2545	1918	2146
AC092925	0	0	0	0	0	0
AL157392.	3952	1817	2964	3042	1967	3310
Z83839.2	0	0	0	0	0	0
PDZRN3-A	0	0	0	0	0	0
AL354710.	0	4	9	5	4	5
AC093627	0	0	0	1	0	0
AC079943	0	0	0	0	0	0
HLTF-AS1	0	0	0	0	0	0
AC026316	0	0	0	0	0	0
AC108733	0	0	0	0	0	0
AC125618	7	2	0	0	2	0
AC017116	865	468	820	662	588	640
AC002310	13	5	20	18	2	10
ITIH4-AS1	8	0	6	0	0	0
DENND6A	1	1	7	2	2	2
AC063944	18	2	5	0	5	3
IGSF11-AS	3	0	0	0	0	0

AL627309.	28	67	53	21	30	12
PRKAG2-A	73	55	74	59	30	73
LINC01471	1	0	15	9	0	7
AC092958	0	0	0	0	0	0
AP001625.	2	1	0	0	0	0
AC108718	8	10	9	7	6	8
AL627309.	0	0	0	0	0	0
ZBTB20-A	0	0	0	0	0	0
AC092059	0	0	0	0	0	0
AC069444	0	0	0	0	0	0
AC106047	6	4	12	15	11	11
LINC02004	0	0	0	0	0	0
SLC9A9-A	29	9	22	31	9	13
AC084024	50	47	91	62	60	69
LNCSRLR	0	0	12	0	7	0
AC069439	0	0	0	0	0	0
AC244205	13	3	11	2	6	6
AL445190.	0	0	0	0	0	0
AC078785	106	16	60	45	32	50
AC069431	0	0	0	2	0	0
AC092969	0	0	3	0	0	0
AC093627	0	2	0	0	0	0
AC055758	0	0	0	0	0	0
ERICH6-AS	37	14	25	44	22	27
AL023653.	580	443	876	590	349	451
LINC02271	0	0	0	0	0	0
MAGI1-AS	0	0	0	0	0	0
ARHGEF3-	0	0	0	0	0	0
AC080013	214	75	168	187	123	178
AC092849	14	14	14	9	6	9
AL512306.	421	175	380	237	188	194
BX664727.	3	0	3	21	0	15
AC108752	0	0	0	0	0	0
B4GALT4-	0	0	0	0	0	0
GHRLOS	502	176	390	461	556	342
AL450384.	304	138	329	322	186	191
AC017002	0	5	14	8	9	3
AC131211	0	0	0	0	0	0
AC004869	0	0	0	0	0	0
SEC62-AS1	7	0	1	1	6	0
AC012358	112	37	68	78	41	77
SAMMSON	0	1	0	2	0	0
LINC00636	0	0	0	0	0	0
AC007879	5	8	0	5	3	17
AC005586	15	2	14	11	11	6
CSPG4P1Y	0	0	0	0	0	0
LINC00973	0	0	0	0	0	0
AC012081	0	0	0	0	0	0
AC092919	10	4	5	3	11	8
CDKN2B-A	153	56	178	95	83	92
AC004594	0	0	0	0	0	0
AC092979	0	0	0	3	0	2
AL365273.	207	162	260	229	197	126
AC034238	77	43	57	88	20	72
TM4SF1-A	0	0	0	0	0	0
THOC7-AS	0	0	0	4	0	0
AL031428.	52	37	61	59	29	44
AC016968	0	0	0	0	0	0

LINC02067	3	2	5	7	2	0
AC087071	0	0	0	0	0	0
AC117462	0	0	0	0	0	0
AL096701.	47	9	69	39	18	21
KCNAB1-A	0	0	0	0	0	0
MME-AS1	0	6	12	0	0	0
AC082651	0	0	0	0	0	0
LINC01168	2	0	0	0	0	0
LINC02030	0	0	0	0	0	0
AL512306.	126	81	116	127	46	70
AL139287.	111	106	190	130	87	142
AC010655	8	18	34	25	8	13
PLCXD2-A	0	0	0	0	0	0
C21orf91-	58	11	43	37	25	37
AC025572	0	0	0	0	0	0
AC073934	0	0	0	0	0	0
AC079910	0	0	0	0	0	0
AC132217	0	0	0	1	2	0
AC099328	0	0	0	0	0	0
AC093627	238	6	43	178	48	74
C1QTNF9-	0	0	0	0	0	0
LINC00886	111	29	157	77	87	82
AC131210	52	25	80	62	29	40
NDUFB2-A	27	26	70	37	36	40
LINC02042	0	0	10	33	2	16
AC117430	0	0	0	0	0	0
AC120042	0	0	0	0	0	0
LSAMP-AS	0	0	1	0	0	0
AL645465.	127	50	95	109	87	87
AC093714	0	0	0	0	0	0
AC093904	0	0	0	0	0	0
HOXA11-A	5	0	0	0	0	0
AL157400.	5	2	4	10	0	6
AL592431.	0	0	0	0	0	0
AC117386	0	0	0	1	0	0
AL035454.	0	0	0	0	0	0
AC008799	0	0	0	3	0	0
AC093019	18	10	13	23	10	13
AL161785.	3	5	2	0	2	0
LINC01994	0	0	0	0	0	0
PRICKLE2-	0	0	0	0	0	0
PRICKLE2-	2	0	0	0	5	2
LINC02032	0	0	0	0	0	0
LINC00881	0	0	0	0	0	0
LINC02066	0	0	0	0	0	0
ARHGAP31	2	0	8	7	3	2
ADAMTS9	0	0	0	0	0	0
LINC00877	510	1040	1014	618	562	447
AC128685	0	0	0	0	0	0
FO393419.	4	0	0	1	0	0
AL645608.	0	0	0	0	0	0
ZIC4-AS1	0	0	0	0	0	0
IQCJ-SCHI	0	0	0	0	0	0
LINC02024	0	0	0	0	0	0
AC078785	2	0	0	0	0	0
AC078788	12	13	23	18	0	2
AC022294	0	0	0	0	0	0
AC093620	0	2	0	0	0	0

AC106712	0	0	23	0	4	0
AC092902	93	71	123	93	47	68
ZBTB20-A	0	0	2	0	0	4
WWTR1-A	0	0	3	0	0	0
SUCLG2-A	123	78	97	124	41	64
AL133481.	0	0	0	0	0	0
AC004930	0	0	0	0	0	0
AL603962.	35	26	60	36	37	40
LINC0207(	0	0	0	0	0	0
LINC0148	0	0	0	0	0	0
AC004690	0	0	0	0	0	0
AC092849	32	25	28	25	16	19
SYNPR-AS	0	0	0	0	0	0
LINC0119	0	0	0	0	0	0
LINC0199	0	0	0	0	0	0
HNF1A-AS	0	0	0	0	0	0
LINC0090	0	0	0	0	0	0
AC064852	0	0	0	0	0	0
AC092666	0	0	0	0	0	0
AC005996	0	0	0	0	0	0
PLSCR5-A	0	0	0	0	0	0
LINC0063	0	2	0	0	3	0
PTPRG-AS	4	0	2	2	0	0
AL160408.	0	0	0	0	0	0
AC074033	0	0	0	0	0	0
AC093010	492	185	373	408	263	393
AL391645.	0	0	0	0	0	0
AC098820	10	2	2	5	2	6
AC141424	85	57	69	75	43	91
LINC0202	0	0	3	2	0	0
ZBTB20-A	50	27	56	99	26	62
PAQR9-AS	0	2	6	0	0	2
PRICKLE2-	0	0	0	0	0	0
AC060234	0	0	1	0	0	0
AC099542	0	0	0	0	0	0
AC092468	2	0	0	0	0	2
AL627309.	0	0	2	0	0	0
LINC0132	0	0	0	0	0	0
CADM2-A	0	0	0	0	0	0
TRBV11-2	93	87	129	250	68	97
AL031733.	112	72	79	68	76	55
AC104445	0	0	0	0	0	0
LINC0132	0	0	0	0	0	0
AC018450	199	24	143	199	39	47
ADAMTS9	0	0	0	0	0	0
LINC0205	0	0	0	0	0	0
AL158847.	2	0	0	0	0	0
AP001062.	222	121	216	199	102	154
XACT	4	0	8	0	4	2
AC108748	0	0	0	0	0	0
AC002467	18	15	65	51	33	24
LINC0132	0	0	0	0	0	0
LINC0089	938	400	1358	1085	773	539
AC104411	5	7	6	15	4	8
AC092620	930	567	999	766	655	599
AC092958	0	0	0	0	0	0
AC123768	0	0	0	0	0	0
CECR3	7	3	0	7	3	3

AL627309.	775	462	1077	307	310	319
AC245088	0	0	0	2	0	0
AC124893	0	0	0	0	0	0
AC114401	0	0	0	0	0	3
AC112496	34	50	56	25	31	15
AC078788	4	4	7	5	5	6
AC000372	0	0	0	0	0	0
DENND6A	0	3	7	0	6	4
AL021937.	0	0	0	0	3	0
AC109466	0	0	0	0	0	0
WWTR1-IT	0	0	5	2	0	5
PRR34-AS	151	95	204	183	97	143
AC129807	0	0	0	0	0	0
AC084211	0	0	0	0	0	0
AC112493	0	0	0	0	0	0
AC078980	0	0	0	0	0	2
LINC01743	0	0	0	0	0	0
AC093583	39	17	48	29	27	28
DNAJB8-A	11	4	14	23	8	2
AC092590	0	0	0	0	0	0
AC084864	0	0	0	0	0	0
SLC5A4-A	3	2	27	3	18	23
MUC20-O	5549	2667	7249	3870	3558	4283
FOXP1-IT1	1320	681	1499	1227	728	1058
LINC01100	0	0	0	0	0	0
SNHG3	2844	1834	3499	2600	2320	2242
AC093904	0	0	0	0	0	0
AC099542	0	0	0	0	0	0
AL365356.	0	0	0	0	0	0
AC004884	2	0	3	3	0	0
AC017015	0	0	0	0	0	0
HOXB-AS4	0	0	0	0	0	0
NECTIN3-/	0	0	2	5	4	5
LINC00996	74	51	135	145	140	114
LINC02082	0	0	0	0	0	0
AC108488	37	19	36	24	23	26
AC022400	895	601	1372	924	647	832
ZBTB20-A:	0	2	2	0	7	2
AC121764	0	0	0	0	0	0
LINC02025	0	0	0	0	0	0
KCNAB1-A	0	0	0	0	0	0
AL590705.	54	5	52	19	24	41
LINC00901	0	0	0	0	0	0
AC099677	0	0	0	0	0	0
AC096536	0	0	4	2	2	5
AC091179	0	0	0	0	0	0
C3orf67-A	0	0	0	0	0	0
LINC02046	0	0	0	0	0	0
AC093627	71	13	24	24	24	59
LINC01206	0	0	2	0	0	0
LINC00960	2	17	14	26	7	0
KLHL6-AS1	0	0	4	0	0	0
AC079943	0	0	0	0	0	0
AC007620	265	138	203	193	173	145
AC108025	0	0	0	0	4	0
AC126121	0	0	0	0	0	0
AP001432.	14	1	7	10	0	14
AC121764	0	0	0	0	0	0

AC073288	16	5	3	2	6	0
AC108010	3691	1955	4127	3390	2639	2430
AL645608.	20	3	21	28	20	8
AC006148	0	0	0	0	0	0
AC093627	27	22	6	14	24	2
AC112219	1	0	0	0	0	0
AC092910	39	33	32	12	17	29
AC009228	0	0	6	4	0	0
LINC00971	0	0	0	0	0	0
AC108693	0	2	0	2	0	0
LINC02010	0	0	0	0	0	0
AC107464	33	19	32	28	16	7
LINC02005	0	0	0	0	0	0
AL445430.	0	0	0	0	0	0
LINC00882	2	0	0	0	0	3
ZBTB20-A	9	0	0	2	2	2
AC092892	7	3	9	11	0	4
AC121764	0	0	0	0	0	0
LINC02050	0	0	0	0	0	0
AC104831	0	0	0	0	0	0
AC117395	28	17	22	12	10	18
AC007849	0	0	0	0	0	2
GLYCTK-A	13	11	34	13	2	6
AC073842	34	19	56	51	22	20
SOX2-OT	75	47	112	103	65	64
AC092691	0	0	0	0	0	0
AC068756	0	0	1	0	0	0
AL591895.	393	205	346	344	210	317
AC046136	11	17	12	4	6	11
FLNC-AS1	0	0	0	0	3	0
AADACL2-	0	0	0	0	0	0
PLCH1-AS	0	0	0	0	0	0
AL591242.	0	0	0	0	0	0
AC005062	7	6	11	6	12	4
AL359538.	2	3	35	0	0	18
AC005486	0	0	0	0	0	1
GK-AS1	0	2	5	4	0	0
AL359853.	0	0	0	0	0	0
ARHGEF26	2	6	2	5	0	0
AC092894	3	3	0	0	10	0
LINC00870	0	0	1	0	0	0
AC107029	0	0	0	0	0	0
AC000120	620	321	665	562	377	367
AC079760	0	2	2	0	0	2
LINC02040	0	0	0	0	0	0
AC106707	10	0	0	0	0	3
AL162431.	482	251	447	379	296	297
AC092944	36	29	54	43	29	36
AC110769	62	36	67	67	47	41
CCDC39-A	0	0	0	0	0	0
AC006387	0	0	0	0	4	0
TUSC7	0	0	0	0	0	0
AC006159	0	0	0	0	0	0
AC006252	31	21	52	46	21	48
AC011005	0	0	0	0	0	0
AC073130	4	0	8	3	0	2
AC020636	7	4	0	0	0	4
AC068633	2	0	0	0	3	0

AC114400	0	0	0	0	0	0
AC078828	0	0	0	0	0	0
AC026347	9	5	23	4	2	6
FGF14-IT1	6	0	5	0	0	2
LINC01998	0	0	0	0	0	0
AC093714	0	0	0	0	0	0
LINC02045	0	0	0	0	0	0
AL358394.	0	0	0	0	0	0
MCCC1-A	3	0	3	0	0	0
AC119424	0	0	0	0	0	0
AC012442	19	19	25	28	18	14
PSMD6-A	96	48	47	52	51	57
AC107021	0	0	0	0	0	0
AC010973	3	0	5	4	4	0
MNX1-AS	0	5	0	0	0	6
MIR1302-	0	0	0	0	0	0
AC068985	0	0	0	0	0	0
AC082651	2	0	2	2	2	0
LINC01214	0	2	0	0	0	0
LINC02017	0	0	0	0	0	0
AC006148	0	0	0	0	0	0
LINC02049	0	0	0	0	0	0
AL513523.	0	0	0	3	0	0
AC092957	0	0	0	0	0	0
LINC00880	19	15	41	6	12	13
AL445493.	0	0	0	0	0	0
AC132825	0	0	0	0	0	0
LINC02027	0	0	0	0	0	0
DUBR	84	73	86	69	125	82
CACNA2D	0	0	0	0	0	0
AC018450	0	0	0	0	0	0
AC006547	33	28	62	62	48	38
HOTTIP	0	0	0	0	0	0
LINC02044	0	0	0	0	0	0
AC004917	0	4	2	2	0	0
PEX5L-AS1	0	0	0	0	0	0
AL121721.	0	0	0	0	0	8
AC021074	0	0	0	0	0	0
RN7SL832	36	13	8	26	15	21
LINC02000	0	0	0	0	0	0
WDR86-A	83	59	85	105	59	68
CFAP44-A	0	0	0	0	0	0
AC092994	0	0	0	0	0	0
AC108751	0	0	0	0	0	0
AL355140.	6	8	8	8	4	4
ELFN2	2	0	2	3	0	0
AC138057	0	0	0	0	0	0
TIPARP-A	24	17	36	25	33	35
AC117386	0	0	0	0	0	0
AC073359	0	2	7	0	0	0
AL390195.	239	112	217	191	110	156
PARAL1	0	0	0	0	0	2
AC073359	0	1	8	3	0	0
AC073320	0	0	0	0	0	0
IL12A-AS1	0	6	1	0	0	2
LINC01011	84	117	177	157	474	137
AC007566	131	71	157	100	110	106
AC104653	33	38	29	23	47	71

ATP1B3-A	9	4	11	5	5	5
AC078882	0	0	0	0	0	0
LINC01322	0	0	0	0	0	0
AL512328.	0	0	0	12	0	0
AC010973	26	18	35	21	19	20
Z84488.1	0	5	21	6	0	3
FLNB-AS1	2	0	6	14	4	0
AC091153	0	0	0	2	2	0
AC004889	1690	423	1990	635	913	1159
FOXP1-AS	13	0	11	4	1	5
LINC02016	0	0	0	0	0	0
CSPG4P2Y	0	0	0	0	0	0
AC007009	0	0	0	0	0	0
LINC01995	0	0	0	0	0	0
AC082651	0	0	0	0	0	0
SIAH2-AS1	5	6	19	14	5	6
AC117394	3	0	0	2	2	0
AP000235.	0	0	0	0	0	0
ITGB5-AS1	2	0	0	0	0	0
GATA2-AS	10	8	5	6	2	9
PEX5L-AS2	0	0	0	0	0	0
AC093904	0	0	0	0	0	0
LINC01326	0	0	0	0	0	0
AC109992	113	26	74	89	61	51
AL138759.	111	36	118	101	61	68
AJ239322.2	0	0	0	0	0	0
LINC00698	0	0	0	0	0	0
AC104435	2	0	0	3	0	2
AL662791.	0	0	0	0	0	0
AC055758	0	0	0	0	0	0
AC134772	19	16	18	20	15	0
FAM3D-AS	0	0	0	0	0	4
AC147067	52	14	25	18	39	26
LINC02077	0	0	0	0	0	0
AC107029	0	0	0	0	0	0
AC093001	0	0	0	0	0	0
OR2A1-AS	386	76	469	147	209	278
AL021707.	233	123	460	243	118	17
SLC9A9-A	17	4	10	29	7	3
HDAC11-A	7	3	8	11	0	3
AC109587	23	3	60	42	10	12
LINC01213	0	0	0	0	0	0
AC092924	5	0	0	0	0	0
AC006455	0	0	0	0	0	0
KCNK15-A	0	0	4	3	6	0
AC096888	0	0	0	0	0	0
LINC01391	0	0	0	0	0	0
WNT5A-A	0	0	0	0	0	0
AC243547	0	0	0	0	0	0
AC246787	36	18	51	23	30	13
MIATNB	1412	604	1475	1322	759	1057
LINC02086	16	11	63	93	23	14
AC025566	0	0	0	0	0	0
AC108676	4	0	0	0	2	0
AL109761.	5	6	2	9	0	4
AC004918	335	152	299	451	191	307
AC026353	0	0	0	0	0	0
AL132656.	150	83	101	96	117	70

AC026316	0	0	0	0	0	0
AL137024.	0	0	0	0	0	2
AC087667	0	0	0	0	0	0
GABPB1-A	797	1216	5042	321	3408	486
ALKBH3-A	5	4	8	3	0	2
AC136604	29	26	21	21	16	10
AC123768	17	8	23	38	15	5
AC087521	0	0	0	0	0	0
LIFR-AS1	0	0	0	0	0	0
AC100803	0	0	6	0	2	0
AP001122.	13	8	18	2	38	5
LINC02453	36	13	60	37	26	35
AC107959	334	156	502	337	175	251
AC092718	2	0	5	8	0	5
LINC00847	953	212	650	883	131	710
IGFBP7-AS	3	4	2	6	6	6
MIR3150B	15	7	18	12	5	24
A2M-AS1	3054	2617	4543	4735	2060	3568
SMARCA5	23	25	17	11	2	9
MALINC1	141	78	153	96	47	113
ARAP1-AS	52	38	103	54	28	12
RNF139-A	342	254	390	379	336	239
AP001107.	28	18	27	18	9	6
LINC00861	15107	4839	10619	8729	4968	8537
AC105285	138	61	142	81	59	76
USP2-AS1	0	0	0	0	0	0
AL133375.	32	24	39	17	22	29
SAP30L-AS	136	39	154	146	115	150
AC124242	20	5	18	20	8	8
AC096564	0	2	11	8	4	0
ARNTL2-A	0	2	0	0	0	0
AC008393	6	11	16	9	8	23
AC097460	19	4	2	8	2	8
AP005717.	3	10	0	7	0	5
CXXC4-AS	1	0	0	0	0	0
AP003396.	3	4	9	10	0	2
AL357153.	75	29	37	9	13	26
LINC02447	12	5	8	14	0	11
LINC01585	0	0	0	0	0	0
AC046130	0	0	6	5	0	0
AP000866.	128	24	38	91	23	129
AC026250	10	7	0	14	15	7
LINC00461	9	0	10	0	0	0
NEAT1	17586	160781	333709	180187	144318	112935
RORA-AS1	123	48	79	73	62	72
AP000787.	173	68	179	135	89	104
SCAMP1-A	597	194	443	606	260	270
FAM111A-	319	136	384	323	204	285
BDNF-AS	50	25	52	25	43	58
DACT3-AS	0	0	4	0	0	0
DDX11-AS	28	19	31	20	9	13
AC022075	39	29	75	62	32	26
AC083805	2	0	0	0	0	0
LINC02211	0	0	11	0	0	0
AC006064	0	0	0	0	4	3
FRG1-DT	28	16	36	24	26	14
AC008659	8	2	2	0	3	7
CRNDE	7	8	18	7	0	8

NADK2-AS	4	0	1	0	0	3
AC009292	0	4	5	0	0	9
LINC02226	0	0	2	1	0	0
AC097382	61	54	117	80	53	51
DRAIC	7	21	31	20	17	22
AC092378	0	0	0	0	0	0
LINC02202	24	8	15	4	8	3
MIR4300H	0	0	6	0	0	0
RAD51-AS	1410	758	1813	1541	874	995
GS1-24F4.	0	0	0	0	0	0
MEF2C-AS	7	0	7	2	3	5
AP004609.	83	42	53	88	38	47
LINC00682	0	0	0	4	0	0
FLJ21408	24	28	16	19	5	16
AC025164	463	288	440	341	312	292
SNHG6	609	358	754	564	388	529
AC112719	0	0	0	0	0	0
LINC01184	934	547	1123	539	437	633
LINC02273	423	226	446	330	279	401
AP003352.	13	6	25	10	6	4
AC090515	5	3	6	10	3	2
LINC01513	2	8	15	3	4	0
ALDH1L1-	0	0	0	0	0	0
RAB30-AS	831	232	338	474	193	259
LINC02325	166	123	162	181	89	177
AC016065	92	49	176	92	85	66
AP002026.	158	73	217	161	81	95
LINC01096	0	2	0	0	0	0
LINC00900	24	25	70	28	37	61
AC107959	2	6	0	2	2	0
RRS1-AS1	181	67	279	189	116	183
KCTD21-A	105	52	146	53	18	27
P4HA3-AS	0	0	0	0	0	0
AC022113	33	15	60	54	22	33
LINC01550	1573	672	1384	982	544	1016
AC006299	114	34	165	61	86	88
CASC8	117	34	21	37	53	9
AC087521	4	3	3	0	4	0
UBR5-AS1	497	644	947	469	460	393
SBF2-AS1	160	45	258	198	112	93
AC090510	15	9	48	15	27	15
AC116535	33	9	16	15	16	11
AC010230	0	0	0	0	0	0
AC113382	27	26	42	60	21	37
AC010198	3	0	0	0	0	0
PRR7-AS1	44	28	57	36	35	25
EXTL3-AS1	34	35	56	59	26	40
AL049543.	0	0	0	0	0	0
LINC02458	64	69	127	149	48	144
LACTB2-A	86	29	51	47	28	69
AC107067	0	1	5	7	3	4
AC007495	17	25	10	19	14	9
AC073911	0	0	0	0	0	0
AC008781	6	3	19	10	3	10
LINC00968	30	43	70	102	21	81
AL049840.	27	12	81	38	29	19
AC138904	26	8	19	18	6	15
AF131216.	4	8	11	13	8	3

AP001528.	0	0	0	0	0	0
LINC00248	369	196	496	601	204	323
AC079089	18	7	4	6	7	9
AC096746	0	0	0	0	0	0
LINC02288	48	24	45	40	21	20
AC018797	56	22	35	48	2	16
AC100861	206	122	116	91	117	125
CACNA1C	162	82	178	149	59	168
PICART1	0	0	7	0	0	0
LINC00535	2	2	9	0	0	3
RASSF8-A	7	5	4	4	5	3
MGC16275	135	30	104	73	49	85
PLA2G4E-	0	2	10	0	0	0
RGMB-AS	11	12	9	9	0	5
ZCCHC23	0	0	0	0	0	0
AC044802	0	0	0	0	0	0
AP000977.	666	388	546	455	306	539
AC106038	9	11	10	6	13	7
AC091013	0	0	2	0	0	1
AL157938.	18	3	0	9	12	5
STARD4-A	42	31	35	21	18	40
AC012377	4	4	8	0	0	1
LINC02466	0	0	0	0	0	0
DNM1P35	31	14	16	18	14	16
AP000487.	28	9	34	18	36	16
LINC00920	116	71	56	58	59	188
Z84485.1	94	37	152	98	36	50
SOCS2-AS	77	54	104	81	71	80
AC005920	71	12	55	39	18	43
AC099508	10	0	7	0	0	6
AC008443	11	0	5	2	2	0
BAALC-AS	18	6	38	9	34	13
SNHG10	310	157	317	202	58	201
MIR210HG	19	10	27	23	17	12
AC009126	130	58	128	107	76	118
AC138781	0	0	0	0	0	0
AC025263	0	0	4	0	0	0
AC090204	75	42	94	59	19	94
AP000873.	484	326	740	490	425	356
CSTF3-DT	76	24	81	18	21	49
LINC01252	129	10	52	60	40	194
AC104078	8	0	8	5	2	2
AC091948	29	10	25	18	3	18
LINC01498	0	3	0	0	0	2
AC009060	32	11	12	11	13	7
UBL7-AS1	194	63	185	177	117	144
ZBED5-AS	74	123	201	154	253	172
AL359220.	569	270	482	564	248	430
AC010255	0	0	0	0	0	0
LY6E-DT	52	7	42	46	36	43
AC010547	2	2	0	2	8	0
AC092343	4	3	4	11	26	12
AC090061	83	32	52	48	33	37
AC008897	0	2	0	0	0	0
AC055713	375	149	329	216	210	253
PLUT	0	0	0	0	0	0
DNAJC3-D	92	57	97	56	47	74
AC099487	0	0	0	0	0	0

AP000802.	2	0	1	8	5	0
CARS-AS1	4	5	7	0	5	0
GPRC5D-A	26	4	22	0	10	10
MIR4458H	56	29	57	68	15	40
OIP5-AS1	13094	7985	16656	15489	10820	13383
CKMT2-AS	309	133	236	248	123	177
CPEB2-DT	58	31	18	36	28	8
LRP4-AS1	0	2	0	0	1	0
AC139795	137	84	191	190	156	136
AC008609	0	0	0	0	0	0
STX18-AS1	541	157	426	373	230	237
AC091057	113	27	56	68	29	73
AC120114	41	23	38	29	23	25
AC068446	34	0	22	28	12	0
PCED1B-A	5815	2239	6011	4803	2757	4180
SNCA-AS1	4	2	4	6	22	0
AC008966	35	22	62	41	13	54
NR2F2-AS	0	0	0	0	0	0
AL136537.	0	0	0	0	0	0
TMEM161	1452	627	1317	1082	775	964
AC006064	90	73	123	114	43	71
AP001922.	0	0	0	0	0	0
AC021086	4	4	6	4	3	5
AC024896	28	7	15	21	0	0
AL139807.	16	9	29	23	6	15
AC022364	99	31	63	62	29	54
SEC24B-AS	56	8	82	53	51	73
AL160313.	20	8	26	31	11	18
LINC00926	6022	2239	3279	2541	1806	1552
FOXD1-AS	0	0	0	0	0	0
NRAV	48	43	85	72	52	44
AC005329	99	95	162	98	58	81
FAM13A-A	4002	2596	4695	3992	2954	3139
AP001351.	0	0	3	0	0	0
AC034238	0	0	0	0	0	0
UBA6-AS1	588	283	706	478	225	356
AC079061	0	0	0	0	0	2
DPH6-DT	17	0	3	8	4	5
NNT-AS1	857	342	992	769	371	598
AC087257	0	0	0	0	0	0
AC002116	176	132	311	178	146	139
AC008443	11	5	18	19	5	6
LINC02039	0	0	0	0	0	0
AC108174	0	0	0	0	0	0
AC023154	7	0	0	8	3	3
LINC01019	0	0	0	0	0	0
AC008700	0	0	0	0	0	0
AC026774	0	0	0	0	0	0
LINC01194	0	0	0	0	0	0
LINC02101	0	0	0	0	0	0
AC094105	0	0	0	0	0	0
AC097515	0	0	0	0	0	0
LINC02383	0	0	0	0	0	0
AC016553	0	0	0	0	0	0
AC114954	0	0	0	0	0	0
LINC02150	31	10	19	29	10	8
AC093879	0	0	0	0	0	0
AC098487	3	0	5	5	4	8

AC110760	0	0	0	0	0	11
AC009720	0	0	0	0	0	0
LINC02268	2	0	2	1	2	2
AC109349	0	0	0	0	0	0
LINC02283	0	0	0	0	0	0
AC078850	0	0	0	0	0	0
ATG10-AS	0	0	0	2	0	3
AC016550	0	0	0	0	0	0
LINC00290	0	0	0	0	0	0
AC026434	0	0	0	0	0	0
LINC02234	8	0	8	0	0	3
AC011362	0	0	0	0	0	0
AC074194	2	0	2	2	0	0
LINC02355	0	0	0	0	0	0
TRPC7-AS	2	0	0	0	0	0
LINC02505	0	0	0	0	0	0
STX18-IT1	20	20	39	27	18	23
AC011389	0	0	0	0	0	0
AC026785	2	0	0	0	0	0
LINC02513	0	0	0	0	0	2
SLIT2-IT1	0	0	0	0	0	0
LINC02438	0	0	0	0	0	0
AC114956	15	6	8	0	9	5
AC004053	0	3	2	0	2	1
LINC02014	0	0	0	6	3	4
AC010307	0	0	0	0	0	0
AC107398	0	0	14	1	0	4
OCIAD1-A	0	0	0	3	0	0
AC008948	0	0	0	0	0	0
AC108037	0	0	0	0	0	0
FLJ12825	0	0	0	4	0	0
AC108142	0	0	0	0	0	0
AC010275	7	0	4	5	0	2
TRIM52-A	132	58	114	109	55	104
LINC02120	0	0	0	0	0	0
AC122707	0	0	0	0	0	0
AC008780	0	0	0	0	0	0
AC025465	0	0	0	0	0	0
LINC02360	0	0	0	0	0	0
LINC00616	0	0	0	0	0	0
MEF2C-AS	244	139	119	101	139	164
AC026719	0	0	0	0	0	0
AC111194	0	0	0	0	0	0
AC104958	26	10	28	27	11	21
LINC02275	0	0	0	0	0	0
AL117348.	3	0	2	0	0	0
LUCAT1	1874	2635	2809	915	736	358
LINC00613	0	0	0	0	0	0
TUB-AS1	2	8	0	0	0	0
AC096733	0	0	3	0	0	0
LINC02472	0	0	0	0	0	0
LINC02504	0	0	0	0	0	0
AC096576	0	0	0	0	0	0
AC092435	0	0	0	0	0	0
AC093864	0	0	0	0	0	0
AC243972	0	0	0	0	0	3
AC010280	0	0	0	0	0	0
LINC00504	26	10	15	41	45	9

AC011352	0	0	0	0	0	0
AC016550	0	0	0	0	0	0
AC008610	33	14	18	18	11	11
AC114741	0	0	0	0	0	0
LINC02434	0	0	0	0	0	0
LINC02056	0	0	0	0	0	0
AC096577	2	0	0	0	0	0
AC022447	0	0	0	0	0	0
AC093801	0	0	0	0	0	0
LINC02064	0	0	0	0	0	0
AC026782	0	0	0	0	0	0
LINC00498	0	0	0	0	0	0
AL645924.	0	0	0	0	1	0
LINC02469	0	0	0	0	0	0
AC107464	2	4	13	0	4	0
AC097535	0	0	0	0	0	0
AC006296	0	0	0	0	0	0
AC010395	0	0	0	0	0	0
FAM198B-	858	167	642	667	506	652
AC005150	0	0	0	0	0	0
AC139718	0	0	0	0	0	0
AC107463	0	0	0	0	0	0
AC091917	0	0	0	0	0	0
LINC01197	2	0	0	0	0	0
AC109464	0	0	0	0	0	0
SEMA6A-A	494	115	324	212	157	214
LINC02217	0	0	3	0	0	0
LINC02485	0	0	0	0	0	0
LINC02220	0	0	0	0	0	0
AL139147.	0	0	0	0	0	0
LINC02119	0	0	0	0	0	0
FGF10-AS1	0	0	0	0	0	0
AC026719	0	0	0	0	0	0
AC107027	0	2	0	4	0	0
AC139491	9	5	2	0	0	4
LINC01962	2	0	0	0	0	0
LINC02122	0	0	0	0	0	0
AC016642	3	0	0	3	10	0
BACH1-IT1	293	167	274	224	160	160
AC104137	0	0	0	0	0	0
AC008406	0	0	0	0	0	0
AC113391	0	0	0	0	0	0
LINC02149	0	0	0	0	0	0
LINC02062	1	4	9	3	2	2
AC113355	0	0	0	0	0	0
AC093772	0	0	0	0	0	0
ZFAT-AS1	6	0	3	4	10	0
LNX1-AS2	0	0	0	0	0	0
LINC02380	0	0	0	0	0	0
SRP14-AS1	247	149	282	213	164	152
LINC02267	0	0	0	0	16	0
AC112695	0	0	0	0	0	0
AC008443	0	3	0	4	2	6
AC024230	0	0	0	0	0	0
AC105415	39	38	68	26	97	21
LINC02437	0	0	0	0	0	2
AC098587	0	0	0	0	2	0
AC026787	0	0	0	0	0	0

LINC02058	0	0	0	0	0	0
AC026746	0	0	0	0	0	0
AC034226	0	0	0	0	0	0
AC091906	0	0	0	0	0	0
AC022784	34	21	25	15	11	14
LINC02117	0	0	0	0	0	0
AC010931	0	0	0	0	0	0
AC008676	37	16	39	21	19	11
AC092436	0	0	0	0	0	0
OTX2-AS1	0	0	0	0	0	0
AC095050	0	0	0	0	2	0
AC114956	26	3	13	5	5	13
LINC01339	0	0	0	0	0	0
AC109454	123	85	116	48	58	53
AC068721	0	0	0	0	0	0
AC106882	27	14	15	3	13	17
EGFLAM-A	0	0	0	0	0	0
AC023794	0	0	0	0	0	0
GDNF-AS1	0	0	0	0	0	0
AC008517	0	0	0	0	0	0
AC139491	1	0	4	2	0	10
AC126768	0	0	0	0	0	0
FLJ42969	0	0	0	0	0	0
AC025465	0	0	0	0	0	0
AC116634	0	0	0	0	0	0
AC022140	0	0	0	0	0	0
AC117422	0	0	0	1	3	4
AC022447	3	5	4	0	0	2
AC095059	0	0	0	0	0	0
AC092608	0	0	0	0	0	0
AC008588	0	0	0	0	0	0
AC002070	2	5	0	0	8	7
AC096759	0	0	0	0	0	0
AC012613	0	0	0	0	0	0
AC083795	0	0	0	0	0	0
LINC00992	0	0	0	0	0	0
AC010273	5	2	0	0	0	2
AC010486	0	0	0	0	0	0
OXCT1-AS	4	1	5	2	0	2
ALG1L9P	67	41	91	62	28	67
LINC01331	0	0	0	0	0	0
AC083902	0	0	0	0	0	0
LINC02102	59	21	29	53	27	29
ARHGAP21	18	5	23	12	9	13
LINC02484	0	0	0	0	0	0
HAS2-AS1	0	0	0	0	0	0
ADGRL3-A	0	0	0	0	0	0
LINC02100	50	17	35	37	25	34
AC079226	0	0	0	0	0	0
AC008539	0	3	0	5	6	3
LINC02415	0	0	7	5	0	0
LINC02144	0	0	0	0	0	0
AC008549	0	0	0	0	0	0
AC091180	66	31	113	92	60	54
LINC02222	0	0	6	0	0	0
AC021127	7	3	2	7	7	4
NPHP3-AS	7	15	18	14	9	3
LINC01948	42	26	42	29	29	14

EGFLAM-A	0	0	0	0	0	0
AC008852	0	0	0	0	0	0
AC008906	274	125	362	238	176	228
AC112192	0	0	0	0	0	0
AC037441	0	0	0	0	0	0
LINC02428	0	0	0	0	0	0
AC108467	0	0	0	0	0	0
AC107220	0	0	0	0	0	0
AC104063	0	0	0	0	0	0
AC010235	0	0	0	0	0	1
AC008406	1	0	1	0	0	0
LINC02115	0	0	0	0	0	0
AC008883	0	0	0	0	0	0
AC012339	0	0	0	0	0	0
AC092435	0	0	0	0	0	0
AC108727	38	62	127	47	63	43
AC097534	62	9	44	27	21	48
AC093297	0	0	0	0	0	0
AC106771	0	0	0	0	0	0
AC092903	16	6	34	5	25	24
LINC02118	0	0	0	0	0	0
AC097103	5	10	14	9	4	4
AC022118	0	0	0	0	0	0
C8orf34-A	0	0	0	0	0	0
AC078850	0	0	0	0	0	0
LINC01095	0	0	0	0	2	6
LINC02432	375	87	339	174	345	1660
AC022447	0	0	0	0	0	0
AC079226	0	0	0	0	0	0
AC097512	0	0	0	0	0	0
AC021660	2	3	13	0	5	0
AC011396	0	0	0	0	0	0
AP003555.	0	0	0	0	0	0
LINC02065	0	0	0	0	0	0
FLJ46284	158	77	112	110	97	108
LINC01574	0	0	0	0	0	0
AC114316	0	0	0	0	0	0
USP46-AS	55	19	69	49	15	37
LINC02511	0	0	0	0	0	0
AC026782	0	0	0	0	0	0
LINC02431	0	0	0	0	0	0
C5orf17	7	28	27	36	37	37
AC091917	0	0	0	0	0	4
AC010245	3	0	0	3	4	1
AC010280	0	1	3	0	0	0
HHIP-AS1	2	0	2	0	11	8
FAM138E	0	0	0	0	0	0
AC105001	0	0	0	0	0	0
AC022126	3	0	1	0	0	4
LINC01846	0	0	0	0	0	0
LINC02239	0	0	0	0	0	0
AC096736	0	0	0	0	0	0
AC008808	0	0	0	0	0	0
HRAT5	0	5	6	0	0	5
AC114284	0	0	0	0	0	0
AC097103	96	19	45	53	46	42
AC034234	2	0	0	0	0	0
AC027607	39	45	29	36	52	29

AC111198	0	0	0	0	0	0
LINC01335	0	0	0	0	0	0
AC140125	8	0	13	12	0	21
AC122719	0	0	0	0	0	0
AC027801	9	0	4	13	7	0
AC025773	0	0	0	0	0	0
AC131254	0	0	0	0	0	0
AC011389	0	0	0	0	0	0
AC012640	0	0	0	0	0	0
AC137810	18	9	19	10	14	21
AC106799	0	0	0	0	0	0
AL133372.	0	0	0	0	0	0
AC019163	51	29	73	45	39	38
AC004054	0	0	1	0	0	0
AC100773	4	0	0	0	0	0
AC097375	0	1	2	3	5	0
AC126768	0	0	0	0	0	0
LINC02231	0	0	0	0	0	0
AC145098	15	9	23	10	6	12
AC093722	0	0	0	0	0	0
AC093895	0	0	0	0	0	0
AL691482.	28	8	27	21	26	16
AC097518	0	0	0	0	0	0
AC112198	0	0	0	0	0	0
AC094108	0	0	0	0	0	0
AC008549	30	45	62	53	29	46
AC093599	0	0	0	0	0	0
AC010486	0	0	0	0	0	0
AC004672	2	0	0	0	0	2
CLMAT3	2	0	2	0	2	0
AC092674	0	0	0	0	0	0
AC009567	0	0	0	0	0	0
AC008771	25	13	34	3	13	23
AC074124	0	0	0	0	0	0
AC093810	0	0	0	0	0	0
FAM138D	0	0	0	0	0	0
MAST4-IT1	2	0	2	7	8	6
AC109492	0	2	0	0	0	0
LINC02496	0	0	0	0	0	0
LINC01033	0	3	3	1	2	2
EGFLAM-A	0	0	0	0	0	0
WSPAR	0	0	0	0	0	0
C5orf66-A	0	0	0	0	0	0
AC027627	0	0	0	0	0	0
AC035140	0	0	0	0	0	0
AC051649	55	88	170	68	46	59
ZNF436-A	82	38	88	70	51	71
AC093903	0	0	0	0	0	0
AC007834	0	0	2	0	3	3
LINC02362	244	169	245	193	151	128
AC025475	0	0	0	0	0	0
AC008885	2	0	0	0	0	3
AC034223	0	0	0	0	0	0
AC097537	0	0	0	0	0	0
AC140125	12	2	2	0	6	12
AC108517	0	0	0	0	0	0
AC112196	0	0	0	0	0	0
AC022447	2	0	0	0	0	1

AC025183	0	0	0	0	0	0
AC105389	0	0	0	0	0	0
AC093821	0	0	0	0	3	0
LINC02215	0	0	0	0	0	0
PSD2-AS1	0	0	0	0	0	0
LINC02517	0	0	0	0	0	0
AC010267	0	0	0	0	0	0
LNCPRESS	0	0	0	0	0	0
AC026414	0	0	0	0	0	0
AC091965	11	2	7	10	2	6
LINC02213	0	0	0	0	0	0
AL121809.	0	2	0	0	0	0
AC092336	0	0	0	0	0	0
SEMA6A-A	0	0	0	2	0	0
AC026780	0	0	0	0	0	0
AC021192	0	0	0	0	0	0
LINC01093	0	3	5	2	2	0
AC106744	0	0	0	0	0	0
AC008534	0	0	4	2	0	2
AC020900	4	0	5	3	0	3
AC107074	0	0	0	0	0	0
AC140125	0	0	0	0	0	0
TMEM132I	0	0	0	0	0	0
AC106822	0	0	0	0	0	0
AC026785	0	0	0	0	0	0
CTD-3080	0	0	0	0	0	0
LINC02224	0	0	0	22	67	0
AC079921	0	2	7	2	0	0
AC105389	0	0	0	0	0	0
AC108199	0	0	0	0	0	0
AC117460	0	0	0	0	0	0
AC068944	0	0	0	0	0	0
CASC16	0	0	0	0	0	0
AC108063	0	1	0	0	0	0
AC008892	24	24	20	16	12	13
LINC02265	2	0	4	0	9	0
AC010226	23	12	25	11	6	14
AC098829	12	5	17	14	9	3
AC079193	156	44	131	178	35	76
AC109464	0	0	0	0	0	0
AC113167	0	0	0	0	0	0
LINC00939	0	0	0	0	5	0
AC093909	0	0	0	0	0	0
AC093817	0	5	0	0	1	0
AC104119	0	0	0	0	0	1
LINC02057	0	0	0	0	0	0
AC010181	0	0	0	0	0	0
AC091868	0	0	0	0	0	0
AC145146	0	0	0	0	0	0
LINC02174	0	0	0	0	0	0
AC104779	0	0	2	0	0	0
LINC01411	0	0	0	0	0	0
LINC01088	8	13	44	25	47	40
AC020703	22	28	23	14	7	13
APOBEC3E	3	0	6	1	2	0
AC002460	0	0	0	0	0	0
AC010468	10	2	3	2	10	7
CTD-2194	0	0	0	0	0	0

AC036214	0	0	2	0	0	0
AC095060	0	0	0	0	0	0
AC016651	0	0	0	0	0	0
AC084048	2	0	0	0	4	0
AC093523	0	0	0	0	0	0
AC124017	0	0	0	0	0	0
LINC01333	0	0	0	0	0	0
LINC02405	0	0	0	0	0	0
LINC01016	3	0	7	0	0	3
UGDH-AS	45	27	31	39	28	38
AC114928	0	0	0	0	1	0
LINC02198	0	0	0	0	0	0
AC093274	0	7	0	4	0	4
LINC02488	0	0	0	0	0	0
AC112206	2	0	4	0	2	2
AC093879	0	0	0	0	0	0
CASC11	6	10	14	11	12	3
LINC01060	0	0	0	0	0	0
AL033397.	0	0	0	0	0	0
LINC00500	0	0	0	0	0	0
AC097501	0	0	0	0	0	0
LINC02071	0	0	0	0	0	0
AC023794	0	0	3	8	3	3
AC096588	0	0	0	0	0	0
CASC9	0	0	6	0	0	2
LINC02212	0	0	0	0	0	0
AC008413	0	0	0	0	0	0
AC010445	0	0	0	0	0	0
AC022441	0	0	0	2	0	0
AC015909	0	0	0	0	0	0
IL20RB-AS	0	0	0	5	0	0
AC025741	0	0	0	0	0	0
AC010285	2	0	0	2	0	0
AC116049	0	0	0	0	0	0
AC117383	0	0	2	0	0	2
AC023136	0	0	0	0	0	0
ADAMTS1	0	0	0	0	0	0
LINC02477	0	0	0	0	0	0
AC093206	7	2	4	5	3	3
AC016598	0	0	0	0	0	0
AC008780	0	3	0	0	0	0
AC110767	0	0	0	0	0	0
AC021491	0	0	0	0	0	0
AC092834	0	0	0	0	0	0
AL731577.	723	476	1161	750	536	651
AC092673	0	0	0	0	0	0
LINC02500	0	0	0	0	0	0
AC096711	0	0	0	0	0	0
LINC01091	0	0	0	0	0	0
AC020651	0	0	7	0	0	0
AC008467	1790	861	1254	987	779	1034
AC010307	0	0	4	3	0	2
AC096736	0	0	0	0	0	0
AC026726	0	0	0	0	0	0
LINC01470	0	0	0	0	0	0
LINC01586	0	0	0	0	0	0
LINC02146	0	0	0	0	0	0
EGFLAM-A	0	0	0	0	0	0

AC114956	40	8	15	52	18	23
AC008629	5	1	5	5	5	2
LINC02075	0	0	0	0	0	0
LINC01179	0	0	0	0	0	0
AC006160	34	24	38	54	25	15
AC023886	0	0	0	0	0	0
AC110751	0	0	0	0	0	0
LINC02113	0	0	0	0	0	0
LINC01438	0	0	0	0	0	0
LINC02114	0	0	0	0	0	0
AC008667	19	7	22	19	6	13
AC106864	2	0	0	2	0	2
LINC01258	0	0	0	3	0	4
AC012312	0	0	2	0	0	0
AC092440	0	0	0	0	0	0
LINC01234	0	0	0	2	2	0
LINC02216	0	0	0	0	0	0
PPP2R2B-I	0	0	0	0	0	0
AC104793	0	0	0	0	0	0
AC034231	29	18	16	10	11	22
AC226118	5	2	3	2	0	0
LINC02225	0	0	0	0	0	0
AC010280	0	0	0	0	0	0
AC139887	926	369	821	690	484	641
AC011405	2	3	24	18	7	2
BMPR1B-D	0	0	0	0	0	0
LINC01187	24	5	66	36	30	19
AL589765.	18	8	8	19	6	12
AC096564	5	0	6	0	0	0
AC008652	0	0	0	0	1	0
AC080188	4	0	0	0	0	0
AC010255	0	0	0	0	0	0
LINC02173	0	0	0	0	0	0
LINC02503	0	0	0	0	0	0
LINC02465	0	0	0	0	0	0
AC113349	0	0	0	0	0	0
AC079858	0	0	0	0	0	0
LINC00942	18	8	20	13	8	10
AC005699	4	0	2	3	3	0
AC109361	24	4	7	25	4	7
AC008438	16	0	17	10	18	14
AC027343	0	0	0	0	0	0
AC022092	0	0	6	0	0	0
HOXC13-A	0	0	0	0	0	0
AC097521	0	0	0	0	0	0
AC114912	0	0	0	0	0	0
C5orf66-A	2	0	0	0	0	0
AC106772	2	0	0	2	0	2
AC008434	27	10	19	17	12	35
AC005823	0	0	0	0	0	0
AC027338	39	6	0	8	8	8
LINC01259	261	29	64	139	44	69
CARMN	1	0	1	0	0	0
NOP14-AS	734	313	659	478	218	482
AC097487	0	0	0	0	0	0
AC097716	0	0	0	0	0	0
AC106897	0	0	0	0	0	0
AC106795	166	57	304	49	118	180

AC079921	51	12	65	47	37	75
AC022447	0	2	0	0	0	0
AC110813	10	6	18	10	10	3
AC026369	0	0	2	0	2	0
AC034245	3	0	0	13	0	0
LINC02261	4	0	2	0	0	0
SRD5A3-A	14	8	20	18	10	3
AC105384	0	0	0	0	0	0
AC112242	0	0	0	0	0	0
AP001961.	0	0	0	0	0	0
AC026725	10	3	12	5	4	0
AC110760	11	2	0	0	0	25
AC025752	0	0	0	0	0	0
AC079942	0	0	0	0	0	0
AC097494	0	0	0	0	0	0
AC126768	0	0	0	0	0	0
LINC02242	0	0	0	0	0	0
AC020980	0	0	0	0	0	0
AC008691	54	41	53	43	178	84
OSMR-AS	0	0	0	0	0	0
AC110772	0	0	0	0	0	0
AC116345	0	0	0	0	0	0
AC099509	0	0	0	0	0	0
LINC02374	0	0	0	0	0	0
AC112204	0	0	0	0	0	0
AC108156	0	0	0	0	0	0
AC084357	0	0	0	0	0	0
AC108210	0	0	0	0	0	3
AC026427	3	0	0	0	0	0
AC124854	0	0	0	0	0	0
LINC02112	0	0	0	0	0	0
AC027328	0	0	0	0	0	0
LINC02103	0	0	0	0	0	0
EAF1-AS1	222	99	92	174	122	118
AC113385	0	0	0	0	0	0
AC092490	20	5	98	98	8	93
AC008494	3	0	0	0	0	0
AC117522	0	0	0	0	0	0
LINC02147	0	0	0	0	0	0
AC112178	0	0	0	0	0	0
AC139720	95	49	62	51	41	73
AC034229	0	0	0	0	0	0
LINC01377	0	0	0	0	0	0
AC004704	0	0	0	0	0	0
LINC00964	0	0	0	0	3	0
AC097375	0	0	0	0	0	0
CTD-2201	406	234	387	295	172	380
LINC02162	0	0	0	0	0	0
AC093725	0	0	0	0	0	0
CCDC37-D	0	5	0	2	3	1
VCAN-AS1	55	21	63	37	25	38
AC121154	0	0	0	0	0	0
AC010486	0	0	0	0	0	0
LINC02021	52	31	38	48	14	52
AC104619	0	0	0	0	0	0
AC138819	0	0	0	0	0	0
AC145676	3	0	8	0	0	3
CDH18-AS	0	0	0	0	0	0

AC116337	9	0	16	0	2	5
AC027338	2	0	0	0	0	4
PVT1	1273	524	1140	788	820	860
AC027343	0	0	0	0	0	0
AC090833	0	0	0	0	0	0
AC136777	0	0	0	0	0	0
AC005920	0	0	0	0	0	0
LINC02372	0	0	0	0	0	0
AC116616	0	0	0	0	0	0
AC105924	6	0	0	0	0	0
AC008696	0	0	0	0	0	0
LINC02501	0	0	0	0	0	0
AC104803	0	0	0	0	0	0
ARHGEF38	0	0	0	0	0	0
AC093857	0	0	0	0	0	0
AC024581	0	0	0	0	0	0
MCPH1-A	59	47	88	65	78	56
AC025180	0	0	0	0	0	0
AC121161	0	0	0	0	0	0
AC006487	0	0	0	0	0	0
AC119150	0	0	0	0	0	0
LINC00536	2	0	0	0	0	0
AC007663	0	0	2	3	2	0
AC097467	0	0	0	0	0	0
AC117500	14	0	13	0	2	0
LINC02223	15	2	10	19	0	2
AC026415	0	0	0	0	0	0
AC239584	0	0	0	0	0	0
AC131094	0	0	0	0	0	0
AC108067	3	1	2	4	0	3
AC084866	5	0	5	0	0	0
AC024587	0	0	0	0	0	0
AC025183	0	0	0	0	0	0
AC104116	6	9	12	4	4	4
AC145141	0	0	0	0	0	0
AC005823	0	2	0	0	0	2
AC026780	0	0	0	0	0	0
AC092546	28	6	4	23	21	7
BFSP2-AS1	28	0	14	14	4	9
AC025187	0	0	0	0	0	0
AC106786	2	0	2	2	0	0
AC106894	0	0	0	0	0	0
AC027335	0	5	4	1	2	2
LINC02107	0	0	0	0	0	0
AC087457	0	0	0	0	0	0
AC079848	4	2	5	10	3	2
AC018752	0	0	0	3	0	0
AC122138	0	0	0	0	0	0
AC011396	0	0	0	0	0	0
AC022272	0	0	0	0	0	0
AC008869	0	0	0	0	0	0
SLC7A11-A	0	0	0	4	0	0
AC131956	0	0	0	0	0	0
AC109588	0	0	0	0	0	0
AC096719	0	0	1	2	2	0
AC069360	0	0	2	0	2	3
LINC02514	0	0	0	0	0	0
AC106895	0	0	0	0	0	0

AC106864	0	0	0	0	0	0
LINC00603	0	0	0	0	0	0
AC114316	0	0	0	0	0	0
LINC01018	2	0	0	0	0	0
AC114781	32	11	25	25	21	20
AC122710	0	0	0	0	0	0
AC104827	0	0	0	0	0	0
AC097480	0	0	0	0	0	0
AC093248	0	0	0	0	0	0
AC011379	152	480	415	137	105	95
SH3TC2-D	0	0	0	0	0	4
AP000866.	11	5	26	13	30	10
AC104806	73	13	37	41	25	18
AC019133	0	0	0	0	0	0
AC025176	3	20	89	2	23	56
DNAH10O	285	130	366	330	275	185
AC096576	0	0	0	0	0	0
NREP-AS1	0	0	0	0	0	0
AC007370	11	0	0	7	6	4
AC106795	20	5	8	3	10	26
LINC02377	0	0	0	0	0	0
PANCR	0	0	0	0	0	0
AP002748.	0	0	0	0	0	0
ANKRD33E	0	0	2	0	0	0
CACNA1G	0	0	0	0	0	2
AC018682	8	14	28	14	7	3
AC122694	0	0	0	0	0	0
AC016550	0	0	0	0	0	0
LINC02232	0	0	0	0	0	2
AC116563	0	0	0	0	0	0
LINC02108	0	0	2	0	0	0
AC116424	0	0	0	0	0	0
AC078881	44	15	35	44	24	63
AC004803	104	46	109	72	66	81
HOXC-AS2	0	0	0	0	0	0
AL049795.	440	216	588	474	319	362
AC093607	0	0	0	0	0	0
LINC02276	0	0	0	0	0	0
AC105919	0	0	0	0	0	0
AC079349	0	0	0	0	0	0
AC008957	115	55	208	92	97	46
LINC02060	0	0	0	0	0	0
AC099509	2	5	0	3	3	0
AC106791	166	113	270	180	107	150
AC022447	0	0	0	0	0	0
AC087241	0	0	0	0	0	0
AC034206	0	0	0	0	0	0
RASA2-IT1	156	178	311	207	137	141
AC122719	0	0	0	0	0	0
MYLK-AS2	10	0	1	7	12	6
AC074344	0	0	0	0	4	0
AC091180	19	10	13	12	19	12
LINC02364	0	0	0	0	0	0
AC105390	4	0	0	0	0	0
AC082650	0	0	0	0	0	0
AC109927	8	11	13	11	8	5
LINC02199	0	0	0	0	0	0
FZD10-DT	0	0	0	0	0	0

ALDH1L1-	0	0	2	1	2	0
AC053527	43	15	29	18	15	18
AC008443	9	17	7	10	7	4
LINC01216	0	0	0	0	0	0
AP002754.	0	0	0	0	0	0
AC025754	0	0	0	0	0	0
AC010273	0	0	0	0	0	0
AC008840	13	8	17	4	2	4
AC105383	0	0	0	0	0	0
AC094104	0	0	0	0	0	0
AC110296	0	0	0	0	0	0
AC010307	0	0	0	0	0	0
AC010638	0	0	0	0	0	0
LINC02430	0	0	0	0	0	0
AC108112	0	0	0	0	0	0
AC008496	0	0	0	0	0	0
AC019103	6	0	4	4	0	2
AC113382	13	2	13	9	6	5
LINC02509	0	0	0	0	0	0
LINC01612	0	0	0	0	0	0
AC021237	2	0	0	0	0	0
AC034199	47	53	43	30	10	25
AC026124	21	18	34	13	26	20
AC002401	0	0	0	0	0	0
AC109439	0	0	0	0	0	0
AC021491	5	0	8	13	3	6
RDH10-AS	0	0	0	0	0	0
LINC01618	1	0	0	0	0	0
AP002884.	322	193	354	316	229	281
AC008453	0	0	0	0	0	0
AC006487	0	0	5	2	0	0
LINC02229	0	0	0	0	0	0
AC113383	0	0	0	0	0	2
AC104596	80	34	14	31	24	23
MGC32805	0	0	0	0	0	0
LINC01340	8	4	2	1	4	1
AC093725	0	0	0	0	0	0
LINC00989	1002	1116	1822	1119	2328	637
PURPL	0	0	2	0	0	0
AC095057	18	13	7	22	7	5
LINC02494	0	0	0	0	0	0
LINC02510	0	0	0	0	0	0
STK32A-A	0	0	0	0	0	0
AC105254	0	0	0	0	0	0
AC113404	29	33	69	24	77	30
AC069272	4	0	0	0	0	0
AC108935	9	0	7	4	3	6
LINC02200	0	0	0	0	0	0
AC008808	0	0	0	0	0	0
AC008592	0	0	0	0	0	0
AL139353.	10	0	3	0	3	3
AC007370	17	4	21	28	22	19
AC097501	0	0	0	0	0	0
AC008525	0	0	0	0	0	0
AC114296	0	0	0	0	0	0
AC020659	3	0	9	0	0	8
AC008871	0	0	0	0	0	0
AC106772	0	0	0	0	0	0

LINC02197	0	0	0	0	0	0
AP001790.	0	2	3	0	0	0
LINC02502	0	0	0	0	0	0
AP006623.	33	26	86	36	56	49
AC109471	0	0	0	0	0	0
AC109811	0	0	0	0	0	0
AC008728	0	0	0	0	0	0
AC010608	0	0	0	0	0	0
AC112722	71	18	47	35	20	35
AC005674	0	0	0	0	0	0
AC022113	12	9	18	20	18	18
LINC02116	0	0	0	0	0	0
AC093292	0	0	0	0	0	0
AC106798	0	0	0	1	0	0
LINC02148	0	0	0	0	0	0
AC105914	0	0	0	0	0	0
FAM242C	4	3	0	6	2	3
CLSTN2-A	0	0	0	0	0	0
LINC02499	0	0	0	0	0	0
LINC02161	0	0	15	0	0	0
AC025465	0	0	0	0	0	0
LINC01332	0	0	0	0	0	0
LINC02105	0	0	0	0	0	0
AC092335	0	0	0	0	0	0
HOXC-AS1	0	0	0	0	0	0
AC008825	0	0	0	0	0	0
LINC02260	0	0	0	0	0	0
AC105389	0	0	0	0	0	0
TRIM36-IT	3	0	0	0	6	13
AC010451	0	0	0	0	0	0
LINC02233	0	0	0	0	0	0
LINC02145	76	18	22	22	24	22
AP004147.	0	0	2	3	2	5
AC007126	0	0	0	0	0	4
AC093766	0	0	0	0	0	0
AC093831	0	0	0	0	0	0
AP000808.	11	18	10	28	15	7
AC034213	0	0	0	0	0	0
AC098798	0	0	0	0	0	0
LINC02125	0	6	3	0	0	14
AP002784.	0	0	0	2	0	0
AC004066	0	0	0	0	0	0
AC106821	0	0	0	0	0	0
LINC02121	0	0	0	0	0	0
AC021180	0	0	0	0	0	0
AC104407	0	0	0	0	0	0
AC092436	0	0	0	0	0	0
AC110716	0	0	0	0	0	0
LINC02059	12	13	27	16	12	16
AC079160	0	0	0	0	0	0
LINC01303	28	62	60	21	16	15
MIR583HG	10	8	4	6	6	7
AC008525	0	0	0	0	0	0
AC109454	0	0	0	0	0	0
AC010406	0	0	0	0	0	0
AC108516	0	0	0	0	0	0
AC012629	0	0	0	0	0	0
AC109927	0	3	1	3	2	1

CTD-2297	0	0	0	0	0	0
SMAD1-AS	0	0	0	0	0	0
AC034232	0	0	0	0	0	0
LINC01511	4	2	0	4	3	0
LINC00604	0	0	0	0	0	0
LINC02492	0	0	0	0	0	0
AC055733	0	0	0	0	0	0
AC093689	0	0	0	0	0	0
ROPN1L-A	0	0	1	0	0	0
AC093535	42	19	17	29	32	26
AC068658	0	0	0	4	3	0
AC098679	0	0	0	0	0	0
AC010210	71	34	91	74	56	98
AC005522	0	0	0	0	0	0
AC008581	6	1	0	0	5	0
AC012645	45	94	107	10	9	16
AC021088	0	0	0	1	0	0
LINC02515	0	0	0	0	0	0
AL136360.	0	0	4	0	0	0
AC093909	0	0	0	0	0	0
AC091435	0	0	0	0	0	0
LINC02171	0	0	0	0	0	0
LINC01182	0	0	9	0	0	4
CXXC5-AS	20	5	19	6	7	2
AC083906	0	2	0	0	0	1
AC111194	0	0	0	0	0	0
AC097451	0	0	0	0	0	0
AC097652	0	10	36	2	40	14
AP001363.	2	0	9	6	1	1
AC073429	0	0	0	0	0	0
LINC01596	0	0	0	0	0	0
LINC02123	0	0	0	0	0	0
AC004063	0	0	0	0	0	0
AC136628	0	0	0	0	0	0
AL121796.	0	0	0	0	0	0
LINC00491	0	0	0	0	0	0
AC009123	16	4	8	4	15	6
KHDRBS2-	19	1	0	0	8	5
AC008667	0	0	0	0	0	0
AC010387	0	0	0	0	0	0
AC111000	28	17	98	53	10	25
AC010343	0	0	0	0	0	0
AC131182	2	2	0	0	1	0
AP000892.	0	0	0	0	0	0
AC105343	0	0	0	0	0	0
AC079340	6	0	0	2	0	0
LINC02269	0	0	0	0	0	0
AC100861	3	0	0	0	0	0
LINC01017	0	0	0	0	0	0
AC016687	0	0	0	0	0	0
C8orf17	0	6	17	8	8	10
AL391335.	4	5	6	0	6	0
AC096759	0	0	0	0	0	0
LINC01262	0	1	3	0	3	0
AC109361	0	0	0	0	0	0
LINC02381	2	0	4	2	2	0
AC025419	0	0	0	0	0	0
AC015795	5	3	9	12	0	4

LINC02436	0	0	0	0	0	0
AC093305	0	0	0	0	0	0
AC025178	135	20	72	83	35	66
AC138035	22	32	95	11	20	4
LINC01365	0	0	0	0	0	0
AC093730	0	0	0	0	0	0
AC131956	0	0	0	0	0	0
AC024022	0	0	0	0	0	0
SNHG18	2	2	0	0	0	2
AC127070	42	7	33	36	32	27
AC106892	0	0	0	0	0	0
AC138965	0	0	0	0	0	0
ZBED3-AS	139	49	146	184	91	132
AC027315	0	0	0	0	0	0
LINC02221	0	0	0	0	0	0
LINC02493	0	0	0	0	0	0
AC138965	76	33	90	68	73	106
LINC02111	0	0	0	0	0	0
AC108865	0	0	0	0	0	0
AC074131	0	0	0	0	0	0
AC091133	0	0	0	0	0	0
AC137770	0	0	0	0	0	0
EPHA5-AS	0	0	0	0	0	0
AL161781.	44	5	19	10	7	21
AC139718	0	0	0	0	0	0
AC110799	0	0	0	0	0	0
AC105362	0	0	0	0	0	0
AC022424	0	0	0	0	0	0
AC010595	0	0	0	0	0	0
AC095056	0	0	0	0	0	0
AC010261	0	0	0	2	0	0
LINC02061	0	0	0	0	0	0
AC106872	0	0	0	0	0	0
LINC01455	0	0	0	0	0	0
LINC01336	87	49	97	80	19	51
LINC02208	0	0	0	4	0	0
AC098869	0	0	4	0	0	0
AC125807	0	0	0	0	0	0
AC008443	5	3	7	7	4	7
SMAD1-AS	0	0	0	0	0	0
GMDS-DT	1647	859	1951	1498	1091	1016
AC093893	0	0	0	0	0	0
AC131953	0	0	0	0	0	0
AC110800	0	0	0	0	0	0
AC138956	6	6	7	4	11	3
AC097467	0	0	0	0	0	0
AC209005	0	0	0	0	0	0
AL035458.	41	16	34	34	32	31
AC105460	0	0	0	0	0	0
LINC02063	0	0	0	0	0	0
LINC01181	0	0	0	0	0	0
LNX1-AS1	0	0	0	0	0	0
AC016924	0	0	0	0	0	0
AC108866	25	5	10	37	12	12
AC096773	0	0	0	0	0	0
TRPC7-AS	0	0	0	0	0	0
AC091180	20	5	8	18	3	12
AC093534	0	0	0	0	0	0

AC093752	144	123	248	222	136	149
AC016687	0	0	0	0	0	0
AC008592	0	0	0	0	0	0
AC012055	0	0	0	0	0	0
LINC00492	0	0	0	0	0	0
AC025470	0	4	5	0	4	0
LINC02382	0	0	0	0	0	0
AC097658	0	0	0	0	0	0
AC108474	0	0	0	0	0	0
LINC02196	0	0	0	0	3	0
AC021491	0	0	0	0	0	0
AC098859	0	0	0	0	0	0
AC079467	0	0	0	0	0	0
AC016650	0	0	0	0	0	0
LINC02600	0	0	0	0	0	0
SNHG21	93	41	47	88	24	35
AC098851	0	0	0	0	0	2
AC139491	11	14	17	8	4	25
AC020551	0	0	0	0	0	0
AC005355	0	0	0	0	0	0
AC136604	7	6	2	12	7	5
AC244502	62	37	84	52	75	52
ZFPM2-AS	0	0	0	0	0	0
AC133961	9	0	14	4	0	5
AC097372	0	0	0	2	0	0
TMEM108	0	2	0	0	0	0
SLC25A30	2	0	0	2	1	0
HMMR-AS	0	0	0	0	0	0
THAP9-AS	1519	1870	2578	1690	1201	1580
AC114980	641	297	676	524	280	429
AC097372	0	0	0	0	0	0
LINC02163	0	0	0	0	0	0
LINC01950	0	0	0	0	0	0
AC132803	0	0	0	0	0	0
AC113347	0	0	0	0	0	0
AC037459	170	45	70	118	77	72
LINC02480	0	0	0	0	0	0
AC106732	0	0	0	0	0	0
AC024579	0	0	0	0	0	0
LINC01959	0	0	0	0	0	0
AC093871	0	0	0	0	0	0
AC107396	0	0	0	0	0	0
AC008883	0	0	0	0	0	0
AC097491	0	0	0	0	0	0
AC010181	0	0	0	0	0	0
AC139722	0	0	0	0	0	0
LINC02512	0	0	0	0	0	0
LMNB1-D	10	0	0	0	0	4
HTT-AS	0	3	0	0	2	0
AC104126	0	0	0	0	0	3
AC024132	0	0	0	0	0	0
AC104663	0	0	0	0	0	0
AC117473	0	0	0	0	0	0
AC093281	8	32	34	4	13	4
AC097478	0	0	5	0	6	0
AC091860	0	0	0	0	0	0
AC017007	0	0	0	0	0	0
AC091173	0	17	0	10	0	0

WWC2-AS	0	0	0	0	0	0
LINC02506	0	15	0	0	0	6
AC025171.	29	6	24	17	17	18
AC094104.	0	0	0	0	0	0
AF117829.	1042	349	1101	593	570	664
AC090502.	0	0	0	0	2	2
AC084871.	2	23	51	7	11	7
MRPS30-D	11	3	11	7	11	6
AP002490.	279	166	328	290	148	174
AC113346.	0	0	0	0	0	0
AL158068.	5	2	2	13	0	2
HOXC-AS3	0	0	0	0	0	0
AC025539.	50	21	36	36	40	29
AC020661.	25	15	47	19	25	30
F11-AS1	0	0	0	0	0	0
AC025174.	3	0	0	2	3	2
LINC01843	0	0	0	0	0	0
AC004052.	0	0	0	0	0	0
AC096741.	0	0	0	0	0	0
UCHL1-AS	0	0	0	0	0	0
AC008243.	0	0	0	0	0	0
AC074254.	0	0	0	0	0	0
TMEM92-A	0	11	0	2	4	0
LINC02497	0	0	0	0	0	0
LINC01861	0	0	0	0	0	0
AC025244.	0	0	0	0	0	0
AC105345.	4	0	0	0	0	0
AC010261.	0	0	0	0	0	0
AC010425.	0	0	0	0	0	0
LINC00589	0	0	0	0	0	0
AL133330.	534	384	728	801	358	402
AC109830.	0	0	0	0	0	0
AC084866.	0	0	0	0	0	0
AC016598.	0	0	0	0	0	0
AC010420.	9	3	1	0	2	0
LINC00923	25	5	1	3	9	17
LINC02270	0	0	0	0	0	0
AC012055.	0	0	0	0	0	0
AC025465.	0	0	0	0	0	0
AC106895.	0	0	0	0	0	0
AC103764.	0	0	0	0	2	0
LINC01217	0	0	0	0	0	0
LINC01337	17	4	3	9	4	7
CNOT10-A	0	0	0	0	0	0
AP001999.	2	0	0	0	0	0
MIR3945H	4	37	46	11	17	2
AC004590.	0	0	0	0	0	0
AC107208.	0	0	0	0	0	0
AC139720.	0	0	0	0	0	0
AC097375.	0	0	0	4	0	0
LINC02358	0	0	0	0	0	0
AC010457.	0	0	0	0	0	0
AC004069.	44	49	66	27	30	36
WDFY3-AS	0	0	4	0	3	0
AC098868.	0	0	0	0	0	0
LINC02429	0	0	0	0	0	0
AC108727.	0	0	0	0	0	0
LINC02228	0	0	3	10	0	0

MAGI2-AS	0	0	0	0	0	0
SMIM15-A	5	0	9	0	5	9
AC034223	0	0	0	0	0	0
LINC02272	0	0	0	0	0	0
LINC02462	0	0	0	0	0	0
ERVH-1	0	0	0	0	0	0
AC008574	0	0	0	0	0	0
AC091885	0	0	0	0	0	0
AC093835	3	6	0	0	2	0
LINC02384	282	239	1160	924	711	482
AC026704	0	0	0	0	0	0
AP002075.	0	0	4	0	3	2
AC107391	0	0	0	0	0	0
LINC02214	0	0	0	0	0	0
AC104123	4	8	0	4	5	9
AC011352	0	0	0	0	0	0
PCAT4	0	0	0	0	0	0
AP003086.	192	85	278	225	130	154
LINC01386	0	0	0	0	0	0
AC024132	0	0	0	0	0	0
LINC02479	0	0	0	0	0	0
LINC02353	0	0	0	0	0	0
AC114939	0	2	0	0	0	0
TEMN3-AS	0	0	0	0	0	0
AC017091	0	0	0	0	0	0
LINC02475	0	0	0	0	0	0
WWC2-AS	8	3	8	4	0	0
AC012625	0	0	0	0	0	0
LINC02315	0	0	2	9	0	30
AC107884	421	221	676	259	285	299
AC122710	7	2	5	12	10	10
AC091917	0	0	0	0	0	0
SEMA5A-A	0	0	0	0	0	0
AC010634	0	0	0	0	0	0
LINC00499	0	0	0	0	0	0
AC034238	4	2	0	2	3	0
AC079340	8	3	2	12	8	8
AC099550	41	10	29	34	16	12
LINC00958	0	0	0	0	0	0
LINC02483	0	0	0	0	0	0
AC008667	0	0	0	0	0	0
AC079380	0	0	0	0	0	0
AC113378	0	0	0	0	0	0
AC005280	3	4	10	2	3	3
LINC01301	3	9	3	6	4	5
LINC01256	0	0	0	0	0	0
AC092542	0	0	0	0	4	4
AC016571	23	5	17	9	3	13
AC113615	40	10	60	64	11	58
AC008592	0	0	0	0	0	0
AC007106	0	0	0	0	0	0
AC006296	0	0	0	0	0	0
AC068898	23	4	14	2	7	10
AC138956	0	3	8	0	4	0
AC103879	0	0	0	0	0	0
AC145285	45	21	58	28	25	14
AC016556	0	0	0	0	0	0
AC016576	0	0	0	0	0	0

AC010451	0	0	0	0	0	0
AC108062	114	67	110	105	77	104
AC104071	0	0	0	0	0	0
AC104078	0	0	0	0	0	0
LINC01094	115	38	78	54	37	73
LINC02160	0	0	0	0	0	0
AC021151	0	0	0	0	0	0
AC113391	0	0	0	0	0	0
AC063919	0	0	0	0	0	0
RASGRF2-	17	5	17	12	14	18
AC025244	2	0	0	0	0	0
AC092611	7	16	9	12	23	3
AC113398	22	7	8	5	9	5
AC139491	0	0	0	0	0	0
AC013724	0	0	0	0	0	0
AC097381	0	0	4	0	0	0
AC091133	0	0	0	0	0	0
AC016933	0	0	0	0	0	0
AC106744	0	0	0	0	0	0
AC115622	0	0	0	0	0	0
AC093763	0	0	0	0	0	0
PITPNM2-	14	0	17	6	0	0
LINC01099	0	0	0	0	0	0
AC010451	0	0	0	0	0	0
AC022486	0	0	0	0	0	0
AC096736	0	0	0	0	0	0
LIX1-AS1	268	133	282	106	76	119
AC096734	63	11	23	14	4	11
LINC02110	0	0	0	0	0	0
AC108159	3	0	0	0	0	0
LINC02435	0	0	0	0	0	0
AC097110	0	0	0	0	0	0
AC091849	0	3	0	0	4	2
LINC00605	0	0	0	0	0	0
AC055717	0	0	0	0	0	0
LINC02201	4	0	6	0	0	5
LINC01957	0	0	0	0	0	0
LINC02230	0	0	0	0	0	0
AC096711	5	0	6	4	0	5
AC091887	0	0	0	0	0	0
MALAT1	789263	498344	870714	726172	346180	245927
AC018680	0	0	0	0	0	0
LINC02106	0	0	0	0	0	0
AC099520	0	0	0	0	0	0
C5orf64-A	0	0	0	0	0	0
LINC01267	0	0	4	0	2	0
AC105460	0	0	0	0	0	0
LINC02482	38	8	48	36	8	31
AC096751	4	0	3	6	13	11
TET2-AS1	0	2	5	8	2	6
AC096711	0	0	0	2	0	0
AC116345	0	0	0	0	0	0
AC139713	110	66	213	190	227	108
AC022441	0	0	0	0	0	0
AL928654.	6	6	4	4	3	0
AC092611	2	0	0	0	0	0
LINC01385	0	0	0	0	0	0
FAM160A1	8	5	4	2	9	3

AC063979	0	0	0	0	0	0
AC104825	303	100	328	222	125	164
AC113410	0	0	0	0	0	0
LINC02508	0	0	0	0	0	0
STPG2-AS	0	0	0	0	0	0
AC009487	0	0	0	0	0	0
LINC02241	0	1	0	0	0	0
LINC02172	0	0	0	0	0	0
LINC02278	4	0	0	0	0	0
LINC01218	0	0	11	0	35	11
AP003716.	64	36	7	40	9	82
AC098680	0	0	0	0	0	0
LINC02379	0	0	0	0	0	0
AC092535	23	4	20	15	14	12
AC099499	0	0	0	0	0	0
AC007036	735	840	1463	1222	2392	809
AC136475	238	143	247	300	61	180
AC005920	0	0	0	0	0	2
ZNF346-IT	108	47	97	91	74	74
AC113346	0	0	0	0	0	0
AC010260	15	3	13	3	3	1
SNHG27	0	0	0	0	0	0
AC027343	0	0	0	0	0	0
AC073848	0	0	0	0	0	0
AC008591	0	0	0	0	0	0
AC104791	2	0	1	4	0	0
LINC02507	0	0	0	0	0	0
AC009812	92	90	163	105	63	73
AC105339	125	31	166	107	78	108
AC009623	0	0	0	0	0	0
AC004707	6	4	15	0	2	2
LINC01609	0	0	0	0	0	0
AC139497	0	0	0	0	0	0
AP003548.	0	0	0	0	0	0
AC090198	571	355	517	615	335	384
AC090993	0	0	0	0	0	0
AC011410	0	0	0	0	0	0
AC091114	4	3	1	2	0	0
AC102945	0	0	0	3	0	4
AC087672	0	2	0	3	2	4
AC027698	0	0	0	0	0	0
AC120042	0	0	0	0	0	0
AC025366	0	0	0	0	0	0
AC091182	0	3	11	2	5	0
AC055854	2	12	7	0	4	0
AC114550	0	0	0	0	0	0
AC009630	2	0	2	4	4	6
AC025437	0	0	0	0	0	0
LINC00967	0	0	0	0	0	0
AC013644	16	6	9	11	10	21
AC026904	0	0	0	7	0	2
AC008632	0	0	0	0	0	0
AC037441	0	0	0	1	7	0
AC022730	0	0	0	0	0	0
AC015468	0	0	0	0	0	0
AC100801	0	8	10	21	7	28
LINC01605	2	0	0	3	5	0
AC026991	0	0	0	0	0	0

AC109479	0	0	0	0	0	0
AC023403	0	0	0	0	0	0
AC090821	0	0	0	0	0	0
WASHC5-	4	0	0	4	0	0
AC124069	0	0	0	0	0	0
AC108515	0	0	0	0	0	0
AC037450	0	0	0	0	0	0
AC008378	3	3	0	0	0	0
AC009630	0	0	7	0	0	4
AC104211	0	0	0	0	2	0
AC138356	0	0	0	0	0	0
AC084026	3	0	0	0	0	0
AC011586	0	0	0	0	0	0
HOXA10-A	0	0	0	2	0	0
AC079054	0	0	0	0	0	0
AC084082	0	0	7	1	0	0
AL137009.	11	0	17	16	13	6
AC083841	0	0	0	0	0	0
AC117834	0	0	0	0	0	0
LINC02153	0	0	0	0	0	0
AC037459	490	422	586	420	292	268
AC011124	0	0	0	0	0	0
AC090155	0	0	0	0	0	0
AC103993	0	0	0	0	0	0
AC040970	46	47	169	71	30	32
AC079209	18	36	25	16	10	8
AC087273	0	0	0	0	0	0
AP001574.	0	0	0	0	0	0
AC084116	0	0	0	0	0	0
AC090192	8	2	0	0	5	0
LINC00599	0	0	0	0	14	0
AC111149	0	0	0	0	0	0
LINC02143	0	0	0	0	0	0
AC034114	0	0	0	0	0	0
AC113423	0	0	0	0	0	0
AC022784	0	0	0	0	0	0
AC134043	0	0	0	0	0	0
AC068228	0	0	0	0	0	0
AC103726	0	0	0	0	0	0
AC087664	0	0	0	0	0	0
AP003354.	36	25	30	23	24	31
AC100860	0	0	0	0	0	0
DLGAP2-A	0	0	0	0	0	0
AC008680	0	0	1	0	0	0
AC090541	0	0	4	0	0	0
AC068672	0	0	0	0	0	0
LINC02209	0	0	0	0	0	0
AC068880	0	0	0	0	0	0
AC092819	0	0	0	0	0	0
AP001330.	0	0	0	0	0	0
AC092828	151	147	376	542	105	155
AC090193	0	0	0	0	0	0
AC104012	0	0	0	0	0	0
AC046195	0	0	0	0	0	0
AC022217	0	0	0	0	0	0
AC008627	3	0	0	6	0	2
LINC01845	0	0	0	0	2	0
AC018541	0	0	0	0	0	0

LINC01606	0	0	16	0	4	0
STAU2-AS	0	0	6	0	0	0
AC011676	21	60	82	38	29	23
AC004080	0	0	0	0	0	0
LINC01847	0	0	0	0	0	0
LINC00293	0	0	0	0	0	0
LINC01932	4	0	0	0	0	0
AC078906	6	0	0	24	7	7
AZIN1-AS	184	317	651	163	313	145
AC099554	0	0	0	0	0	0
AC104051	0	0	0	0	0	0
RAD21-AS	4	7	20	3	5	4
AC008662	0	0	0	0	0	0
AC132219	0	0	0	0	0	0
AC009884	0	0	0	0	0	0
AC111149	0	0	0	0	0	0
AC009623	0	0	0	0	0	0
AC114550	0	0	0	0	0	0
AC137579	0	0	0	0	0	0
AC040934	38	7	30	21	11	17
AC008514	0	0	0	0	0	0
LINC01298	1	0	0	0	0	0
TUG1	10068	5500	10566	8992	6117	8307
AC105999	0	0	0	0	0	0
AP003469.	2	0	0	0	4	4
AC084024	5	4	7	4	5	0
AC008708	0	0	0	2	0	0
AC087439	0	0	0	0	0	0
AC069120	0	0	0	0	0	0
AC090809	0	0	0	0	0	0
AL928742.	19	3	9	4	7	7
AC131902	0	0	0	0	0	0
AC016405	255	183	337	241	189	201
AC021785	0	0	0	0	0	0
AC023644	0	0	0	0	0	0
AC012103	0	0	0	0	0	0
AC068672	0	0	0	0	0	0
AC090155	0	0	0	0	0	0
AC087518	0	0	0	0	0	0
AP003696.	0	0	7	0	5	0
AC124067	0	0	0	0	0	0
AC113133	0	0	3	13	0	2
AC104561	18	7	13	6	9	3
AC119403	29	14	23	13	12	12
LINC00534	18	31	36	19	108	46
AP003469.	3	10	10	0	2	1
AC016868	0	0	0	0	0	0
AC069113	0	0	0	0	0	0
AC021733	0	0	0	0	0	0
AC078852	18	15	48	47	38	17
AL356133.	0	0	0	0	0	0
AC091944	0	0	0	0	0	0
AC034243	0	0	0	0	0	0
EVX1-AS	0	0	0	0	0	0
AC012613	0	0	0	0	0	0
AC087341	0	0	0	0	0	0
AC083973	0	4	0	2	2	0
AC124067	0	0	0	0	0	0

AC023200	0	0	0	0	0	0
LINC02159	0	0	0	0	0	0
AC103853	0	0	0	0	0	0
AC025437	0	0	0	0	0	0
AC084116	0	0	0	0	0	0
LINC01942	0	0	0	0	0	0
AC011726	21	9	8	8	9	8
AC027541	0	0	0	0	0	0
NCRNA002	2	0	0	0	0	0
LINC02237	0	0	0	0	0	0
PCAT1	583	345	834	664	162	480
AC245519	0	0	0	0	0	0
AC027309	0	0	0	0	0	0
AC113423	0	0	0	0	0	0
AC025437	0	0	0	0	0	0
AC100818	0	0	0	0	0	0
AC022915	0	0	0	0	0	0
AC136424	1	0	5	0	0	0
AC091819	0	0	0	0	0	0
AC016074	0	0	0	0	0	0
AC012574	0	0	0	0	0	0
AC022568	0	0	0	0	0	0
AC103769	56	78	109	84	73	66
AC091185	94	40	114	78	53	88
AC012213	0	0	0	0	0	0
LINC01603	0	0	0	0	0	0
AC113145	0	0	0	0	0	0
AC009930	0	0	0	0	0	0
LINC02099	0	0	5	5	6	0
AC011586	0	0	0	0	0	0
AF121898.	0	0	0	0	0	0
AC060765	0	0	0	0	0	0
AC103957	0	0	0	0	0	0
AC104257	0	0	0	0	0	0
AC004080	0	0	0	0	0	0
AC104393	0	0	0	0	0	0
AC004944	0	0	0	0	0	0
AC009908	0	0	2	0	0	0
AC018682	0	0	0	0	0	0
AC106801	0	0	3	7	0	4
HPYR1	2	15	3	3	1	16
MIR3142H	182	71	154	153	79	199
AC104350	0	0	0	0	0	0
AC124290	0	0	0	0	0	0
AC090802	0	0	0	0	0	0
AC008601	0	0	0	0	0	0
AC084116	0	0	0	0	0	0
AC107909	57	26	60	27	23	32
AC120193	103	20	75	39	33	22
AC008662	0	0	0	0	0	0
AC018442	6	0	0	0	0	0
CA3-AS1	2	0	6	19	7	10
AC021915	0	0	0	0	0	0
HOXA-AS2	14	12	18	15	2	12
AC090578	0	0	0	0	0	0
AC022639	0	0	0	0	0	0
AC100849	0	0	0	0	0	0
OSGEPL1-	44	24	106	53	26	42

AC133634	0	0	0	0	0	0
AC107909	0	0	0	0	0	0
NKX2-1-A	0	0	0	0	0	0
AC025871	0	0	0	0	0	0
AC108482	8	0	5	6	0	0
AC024382	0	1	0	0	0	0
AC021744	0	0	2	0	0	0
AF181450.	0	0	0	0	0	0
AC104211	0	0	0	0	0	0
AC090579	9	7	4	1	4	5
AC018953	0	0	0	0	0	0
AC091987	0	0	0	0	0	0
AP003351.	0	0	0	0	0	0
AC067817	93	83	175	105	75	58
AC027312	0	0	0	0	0	0
AC110741	0	0	0	0	0	0
LINC01300	0	0	0	0	0	0
AC103952	0	0	0	0	0	0
CERNA3	0	0	3	6	0	0
AC131254	0	0	0	0	0	0
AC104316	1	0	5	0	0	2
AC022915	0	0	0	0	0	0
AC008572	0	0	0	0	0	0
AC025674	0	0	0	0	0	0
AC107959	36	61	105	8	19	15
GRPEL2-A	2	2	2	3	4	4
AC068413	0	3	7	6	2	5
AC027419	0	0	0	0	0	1
AC105180	3	1	5	6	6	3
AC110011	0	0	0	0	0	0
AP000426.	6	0	0	6	0	0
AC084026	0	6	0	0	2	0
AP002852.	8	0	15	0	3	0
AC091096	0	0	0	0	0	0
AC022893	693	319	580	707	512	496
LINCR-000	69	30	88	41	33	99
AF279873.	0	0	0	0	0	0
AC024958	0	0	0	2	3	4
AP001208.	0	0	0	0	0	0
AC108863	7	6	15	6	11	6
CTD-2270	3	0	0	0	2	0
AC018437	0	0	0	0	0	0
AC136628	0	0	4	0	0	6
AC009185	30	17	48	13	2	16
AC090987	0	0	0	0	0	0
LINC01592	0	0	0	0	0	0
AC138646	0	0	0	0	0	0
AC008464	0	0	0	0	0	0
ZFHX4-AS	0	0	0	0	0	0
AC012413	0	0	0	0	0	0
AC022733	0	0	0	0	0	0
AP000424.	3	0	0	8	0	0
GASAL1	87	12	67	35	24	33
AC027117	0	0	0	0	0	0
AC105177	0	0	0	0	0	0
AC025437	0	0	0	0	0	0
AC023194	0	0	0	0	0	0
AC104964	0	0	6	0	0	0

AP001330.	0	0	0	0	0	0
AC013509	0	0	0	0	0	0
AC022695	0	0	0	0	0	0
LINC01484	13	0	3	0	0	0
AC008456	4	3	4	2	2	5
AC026904	0	0	0	0	0	0
AC021678	13	4	5	4	15	2
AC008415	0	0	0	0	0	0
AC011008	0	0	0	0	0	0
KBTBD11-	15	9	3	10	10	0
AC136601	0	0	0	0	0	0
AC084128	0	0	0	0	0	0
AC026904	0	0	0	0	0	0
AC023632	31	5	17	10	0	20
AC011632	0	0	0	0	0	0
AC026979	2	0	3	2	0	0
AC023866	0	0	0	0	0	0
AC022274	0	0	0	0	0	0
AC091819	0	0	0	0	0	0
AC083841	0	0	0	0	0	0
MINCR	73	22	39	72	20	38
AP005357.	0	0	0	0	0	0
AC022973	2	0	13	2	4	1
AC010834	2	2	0	0	3	4
AC013562	0	0	0	0	0	0
AC083841	0	0	0	0	0	0
AC015909	0	0	0	5	3	0
LZTS1-AS1	0	0	0	0	0	0
LINC01289	0	0	0	0	0	0
AC021736	0	0	0	0	0	0
AC022217	10	37	31	17	11	13
AP003469.	3	3	5	7	3	3
OTUD6B-A	892	580	945	867	631	681
AP001205.	0	0	0	0	0	0
LNCOC1	0	8	9	0	17	11
AC025442	15	3	21	2	0	7
AC091163	0	3	3	3	0	0
AC091182	0	0	0	0	2	0
AC022695	0	0	0	0	0	0
AC087620	3	0	4	0	0	0
AC069133	0	0	0	0	0	0
AC019257	15	8	5	9	0	15
AC091946	0	0	0	0	4	0
AC008663	0	0	0	0	0	0
C8orf37-A	6	5	4	9	9	13
AC114550	0	0	0	0	0	0
AC100802	0	0	0	0	0	0
AC099520	0	0	0	0	0	0
AC090572	0	0	0	0	0	0
AC091163	0	0	0	0	0	0
AC100807	0	0	0	0	0	0
AC090735	0	0	0	0	0	0
LINC02219	0	0	0	0	0	0
AC025437	0	0	0	0	0	0
AC104248	0	0	0	0	1	0
LINC01030	8	0	7	5	0	0
SIRLNT	0	0	0	0	0	0
AC245164	0	0	0	0	0	2

AC108002	2	0	0	3	12	0
LINC01170	0	0	0	0	0	0
AL160262.	0	2	0	0	0	0
AC136424	0	0	0	0	0	0
LINC01151	6	8	5	0	11	6
AC090796	4	0	4	10	4	2
AP003472.	0	0	5	0	0	0
AC097173	0	0	0	0	0	0
AC067817	2	0	3	2	0	2
AC107373	0	0	0	0	0	0
AC025524	0	0	0	0	0	0
AC105031	0	0	0	0	0	0
AC090197	6	2	2	4	4	4
AC007991	1	0	0	0	0	0
AP003472.	0	0	2	2	0	0
AC064807	0	0	0	0	0	0
AC010834	0	0	0	2	4	0
AC090539	0	0	0	0	0	0
AC025370	0	0	16	8	2	6
AC011383	0	0	0	0	0	0
AC246817	4	7	0	0	0	1
AC010834	5	0	3	0	0	3
AC245187	0	0	0	0	0	0
AC022679	0	0	0	0	0	0
AC008619	0	0	0	0	0	0
AC018616	0	0	0	0	0	0
AC131025	17	7	19	18	10	7
FER1L6-AS	0	0	0	0	0	0
AC068075	0	0	0	0	0	0
AC083836	24	0	16	5	11	14
AC013643	0	0	0	0	0	0
LINC01608	0	0	0	0	0	0
AC087752	25	14	32	14	6	14
AC087664	0	0	0	0	0	0
AC009435	0	0	0	0	0	0
AC022784	0	0	0	0	0	0
AC090150	0	0	0	0	0	0
AC023202	6	7	2	3	7	9
AC022915	0	0	0	0	0	0
FAM85B	14	28	31	33	30	6
AC011124	0	0	0	0	0	0
AC144568	0	0	0	0	0	0
LINC01419	0	0	0	0	0	0
AC103409	0	0	0	0	0	0
AC090150	0	0	0	0	0	0
AP003467.	0	0	0	0	0	0
AC226119	2	0	4	2	0	2
AC091982	0	0	0	0	0	0
AC103831	16	2	12	1	6	9
AC011369	0	0	0	0	0	0
AC011257	0	0	0	0	0	0
AC002428	0	0	0	0	0	0
TNFRSF10A	0	0	0	5	4	0
AC105118	0	0	0	0	0	0
AC019270	0	0	0	0	0	0
AC007991	0	0	0	0	0	0
AC027117	0	0	0	0	0	0
AC008705	0	0	0	0	0	0

AC104986	2	4	3	6	3	8
AC022634	0	3	0	0	0	0
AC008663	0	0	1	0	0	0
AC073023	0	0	0	0	0	0
LINC01863	0	0	0	0	0	0
AC016885	0	0	0	0	0	0
AC009563	0	0	1	0	0	0
AC008438	10	0	8	0	2	0
AC022730	0	0	29	36	0	0
AC016573	0	0	0	0	0	0
MAL2-AS1	0	0	0	0	0	0
AC079296	0	0	0	0	0	0
NRG1-IT1	0	0	0	0	0	0
AC022679	0	0	0	0	0	0
CTB-178M	6	0	0	0	0	0
AC109479	0	0	0	0	0	0
AC010609	13	4	0	4	3	3
AC100810	227	90	289	233	237	130
AC087627	0	0	0	4	0	1
AC145141	0	0	0	0	0	0
AC104561	0	0	2	0	0	0
AC079015	0	0	0	0	0	0
AC103726	0	0	0	0	0	0
AC090753	0	0	0	0	0	0
AC084706	0	0	0	0	0	0
AC012574	0	0	0	0	0	0
AC003991	11	0	13	9	11	7
AC104232	0	6	23	0	14	4
AC084768	0	0	0	0	0	0
LINC00051	0	0	0	0	0	0
AC011333	0	0	0	0	0	0
AC011676	1	2	2	0	0	0
AC104211	0	0	0	0	0	0
AC027031	0	0	0	0	0	0
AP001207.	0	0	0	0	0	0
AC015468	0	0	0	0	0	0
AC009902	8	0	0	4	0	0
AC083843	4	6	3	3	3	1
AC022858	0	0	0	2	0	0
AC087855	0	0	0	0	0	0
INTS9-AS1	4	0	8	7	5	11
AC104117	0	0	0	0	0	0
AC092818	0	0	0	0	0	0
AC027801	0	0	0	0	0	0
AC103719	0	0	0	0	0	0
AC021546	0	0	0	0	0	0
AC011365	0	0	0	0	0	0
AC011632	0	0	0	0	0	0
AC034154	0	0	0	0	2	0
AC105150	37	44	79	61	36	42
NRG1-IT3	0	0	0	0	0	0
AC018861	0	0	0	0	0	0
AC087273	1	0	7	5	0	0
AC009597	0	0	0	0	0	0
AC084346	0	0	0	0	0	0
AC022778	1	2	3	0	0	0
AC105206	2	0	0	0	0	0
LINC01938	0	0	0	0	0	0

AC115837	0	0	0	0	0	0
LINC01299	0	0	0	0	0	0
LINC01591	0	0	0	0	0	0
AP001208.	0	0	0	0	0	0
AC131254	0	0	0	0	0	0
AC016885	0	0	0	0	0	0
AC015468	2	0	3	5	0	3
AC078852	12	30	55	31	27	19
AC068672	0	0	0	0	0	0
AC005740	1	0	3	0	0	0
LINC02055	38	20	7	0	0	0
AC090136	0	0	0	0	0	0
LINC01848	4	0	0	2	0	0
RBPMS-AS	0	0	0	0	0	0
AC124067	0	0	0	0	0	3
AC090193	0	0	0	0	0	0
AC090572	1	0	0	0	0	0
AC025524	0	0	5	2	0	0
LINC02155	0	0	0	0	0	0
AC027701	0	0	0	0	0	0
AC108449	0	0	0	3	0	0
LINC01947	0	0	0	0	0	0
AC091939	0	0	0	0	0	0
AC064807	0	0	0	0	0	0
AC113386	0	2	3	0	7	2
AC104051	0	0	0	0	0	0
AC103853	0	0	0	2	0	0
AC022733	0	0	0	0	0	0
AC067930	6	12	3	10	5	11
AC103957	0	0	0	0	0	0
CRYZL2P-S	106	43	99	72	75	60
AC110288	0	0	0	0	0	0
AC009812	4	0	9	0	0	0
AC025434	0	0	0	0	0	0
AC008663	0	0	0	0	0	0
AC090739	258	182	420	305	222	203
CASC19	26	4	17	7	14	21
AC114321	0	0	0	0	0	0
AC079209	0	3	2	0	0	0
AC090103	0	0	0	0	0	0
AB015752.	5	0	14	11	8	5
AC113414	2	0	10	0	8	0
AC008708	0	0	0	0	0	0
AC011365	0	0	0	0	0	0
AF279873.	0	0	0	0	0	0
AC011676	0	2	7	0	2	0
AC068880	0	0	0	0	0	0
AC015522	0	0	0	0	0	0
AC022034	0	0	0	0	0	0
AC009686	3	3	0	6	0	0
AC100797	23	13	33	21	14	12
AC011773	7	2	0	2	3	3
AC104233	0	0	0	0	0	0
LINC01485	0	0	1	0	0	0
AC087439	1	0	0	2	0	0
AC023866	0	0	0	0	0	0
AP003465.	0	0	2	2	0	0
LINC01933	13	0	7	9	2	13

AC024681	0	0	0	0	0	0
AC037459	0	0	10	0	2	0
AC103760	35	19	60	15	13	27
LINC02365	9	8	5	11	14	0
AP003550.	0	0	0	0	0	0
AC021242	0	0	0	0	0	0
AC100782	0	0	0	0	0	0
AC002428	0	0	0	0	0	0
AC100849	0	0	0	0	0	0
AC011377	0	0	0	0	0	0
AC068189	0	0	4	5	3	4
AC100871	0	0	0	0	0	0
AC103770	0	0	0	0	0	0
AC012349	0	0	2	0	0	0
AC087354	0	0	0	0	0	2
AC015468	0	0	0	0	0	0
AL451137.	0	0	0	0	0	0
AC022973	3	4	4	0	4	2
PKIA-AS1	29	4	35	10	13	2
AC022390	6	2	5	0	3	2
LINC00824	6	3	27	12	11	61
AC009446	0	0	0	0	0	0
AC107953	0	0	0	0	0	0
AC007991	0	0	0	0	0	0
AC087672	16	21	19	15	12	8
AC124067	3	0	0	0	14	2
AC011676	0	0	0	0	0	0
AC026688	0	0	0	0	0	0
AC008429	39	18	24	25	26	20
AC091820	0	0	0	0	0	0
AC008641	6	4	5	7	5	3
LINC01944	0	0	0	0	0	0
LINC01111	0	0	0	0	0	0
AC087855	0	0	0	0	0	0
AC037486	0	0	0	0	0	0
AC137579	0	0	0	0	0	0
AP003692.	5	4	4	4	3	0
AC021915	0	0	0	0	0	0
AC023632	0	0	1	0	0	0
AC022973	5	0	5	0	3	0
AC246817	4	0	2	3	3	9
AC016813	0	0	0	0	0	0
AC018607	757	976	1762	780	578	548
AC104232	5	4	8	4	0	8
NDST1-AS	0	1	2	2	2	0
AC021355	0	0	0	0	0	0
AC083967	0	0	0	0	0	0
MAFA-AS1	0	0	2	0	0	0
AC064802	0	0	0	0	0	0
AC022784	12	3	7	5	0	5
AC091563	13	7	3	6	6	10
LINC01288	0	0	0	0	0	0
AC011131	0	0	0	0	0	0
MIR2052H	0	0	6	3	3	32
AC091979	0	0	0	0	0	0
AC090200	0	0	0	0	0	0
AC046195	0	0	0	0	0	0
AC011726	79	17	61	44	15	32

AC011379	534	27	35	42	188	32
AP000424.	2	0	0	2	0	0
AC091820	0	0	0	0	0	0
AC062004	0	0	0	0	0	0
AC087269	12	0	11	7	0	7
HOXA-AS3	0	0	3	2	0	0
AC025871	0	0	0	0	0	0
AC040914	0	0	0	0	0	0
MIR124-2H	0	0	0	0	0	0
AC093331	5	0	0	0	0	0
AC048387	0	0	0	0	0	0
RHPN1-AS	12	7	7	0	3	16
AC011363	0	0	0	0	0	0
AC105031	0	0	0	0	0	0
AL355432.	3	11	12	3	0	0
AC132192	0	0	0	0	0	4
AC091564	23	10	31	10	5	7
AC111188	0	0	0	0	2	2
AP003306.	0	0	0	0	0	0
AC087521	41	15	26	46	20	27
AP000924.	0	0	0	11	5	0
LINC02584	0	0	0	0	0	0
SPON1-AS	21	11	29	51	21	16
AL139349.	115	83	246	150	163	120
AP003086.	0	1	0	0	0	0
AP000942.	0	0	0	0	0	0
AC103736	29	4	13	18	11	5
AP003392.	17	5	32	7	11	8
AP001972.	13	4	17	18	8	8
AC084083	0	0	0	5	0	0
AC113143	1	0	0	0	0	0
AP001001.	0	0	0	0	0	0
AP006295.	0	0	0	0	0	0
AC022240	0	0	0	0	0	0
AC068733	0	0	0	0	0	0
AC022762	5	4	14	15	7	10
OR7E11P	0	0	0	0	0	0
ALG9-IT1	59	26	48	52	36	29
AC091534	0	0	0	0	0	0
AP001107.	25	15	28	21	20	7
NAV2-AS2	0	0	0	0	0	0
AC090592	0	0	0	0	0	0
AP001107.	0	0	0	3	0	2
AP002812.	34	15	61	23	17	22
AP002815.	5	7	31	16	9	15
AP001107.	0	5	8	2	2	2
AP002765.	0	0	0	0	0	0
AC069287	5	0	5	4	3	2
AL354920.	23	6	28	10	17	12
AP000640.	36	52	50	20	60	24
AC015689	0	0	0	9	0	0
AP002336.	32	74	62	62	43	45
AC026191	19	2	20	14	8	5
LINC02547	0	0	0	0	0	0
AC007876	8	0	8	6	0	0
MPPED2-A	0	0	0	0	0	0
AP000487.	0	0	4	0	0	0
AC103681	0	0	0	0	0	0

AC002056	0	0	0	0	0	0
AP003068.	12	12	30	15	4	8
FBXO3-DT	0	0	0	0	0	4
AP001107.	0	0	0	0	0	0
AP002802.	0	0	0	0	0	0
AC103855	0	0	0	0	0	0
AC103798	0	0	0	0	0	0
AC109635	0	0	0	0	0	0
AC044839	0	0	0	0	0	0
AC090791	0	0	0	0	0	0
AP000757.	12	18	42	10	26	5
AC090124	0	0	0	0	0	0
FLJ20021	37	14	40	31	21	10
AC124657	0	0	0	0	0	0
AF186192.	0	0	0	0	0	0
AC027018	2	0	7	0	0	0
AC239804	2	5	0	6	0	7
AC040936	0	0	0	0	0	0
NAV2-AS3	0	0	0	0	0	0
AL354919.	0	0	0	0	0	0
AC105219	0	0	0	4	0	0
AP000873.	2	0	3	0	0	1
XIRP2-AS1	0	0	0	0	0	0
AC080023	14	47	83	14	29	14
AF131215.	779	366	842	720	496	612
AC091047	0	0	0	0	0	0
AC069287	12	0	20	4	3	7
BBOX1-AS	0	0	0	0	0	0
AP003393.	0	0	0	0	0	0
LINC01493	0	0	0	0	0	0
AP002768.	0	0	0	0	0	0
AC087277	0	0	0	0	0	0
AP003501.	0	0	0	0	0	0
AL358937.	0	4	0	0	0	0
AP004550.	0	0	0	0	0	0
AC105219	0	0	0	0	0	0
AC022039	0	0	0	0	0	0
AC087276	56	33	73	51	24	46
AC084125	0	0	6	4	4	0
AP001001.	0	0	0	0	0	0
AL035078.	0	0	0	0	0	0
AC124301	0	0	0	0	0	0
AP003066.	0	0	0	0	0	0
ETS1-AS1	4	0	0	7	0	4
AC123788	0	0	0	0	0	0
AC015771	0	0	0	0	0	0
AP003715.	0	0	0	0	0	0
AP000662.	10	2	0	0	4	5
AP002336.	0	0	1	0	2	1
AP003555.	0	0	0	0	0	0
AC013714	9	5	3	5	2	7
AP001783.	0	0	0	0	0	0
AP003068.	417	166	289	269	482	307
AC027031	22	21	31	17	26	20
AC113192	0	0	0	0	0	0
AL050327.	3	0	3	0	0	0
NAV2-AS4	0	0	0	0	0	0
AF233439.	0	0	0	0	0	0

AP003100.	0	0	0	0	0	0
AL035078.	0	0	0	0	0	0
AP001922.	0	0	0	0	0	0
AP001372.	2	0	0	0	0	0
AP003119.	0	0	0	0	0	0
WAC-AS1	829	400	810	759	461	651
AP002884.	0	0	0	0	0	0
AC116021	7	4	0	10	13	0
AC091564	68	32	84	75	48	61
AC087379	0	0	0	0	0	0
AP000911.	10	0	5	11	0	10
AP003086.	3	0	4	7	3	0
AC018716	0	0	0	0	0	0
AC024475	3	2	0	0	0	3
AC068858	0	0	0	0	0	0
AP002444.	0	0	0	0	0	0
AC009869	0	0	0	0	0	0
AP000781.	0	1	0	0	0	0
AC103681	0	0	0	0	0	0
AC091053	28	30	45	52	21	16
AL135934.	0	0	0	0	0	0
AC084859	0	0	0	0	0	0
AP003032.	0	0	0	0	0	0
AP000873.	153	192	261	186	139	166
AC079329	7	4	10	8	1	9
AP002387.	88	64	86	93	69	85
AL138812.	0	0	0	0	0	0
AC009646	0	0	0	0	0	0
AC013549	0	0	0	0	0	0
LINC02235	4	0	4	2	1	1
AC233992	87	48	101	65	37	49
AP002812.	14	3	21	7	5	16
AC010768	7	2	3	0	0	0
AP001893.	50	47	79	82	35	40
AC087379	0	0	0	0	0	0
AP000893.	28	18	28	14	11	14
AP003097.	0	0	0	0	0	0
SENCR	40	23	72	26	51	42
AP000722.	0	0	0	0	0	0
AC104237	1	0	0	0	0	0
AP001970.	0	0	0	0	0	0
AL157756.	26	5	7	15	9	10
AP000879.	9	10	19	22	11	15
AP003059.	0	0	5	4	0	4
AP001831.	0	0	0	5	3	0
AC107973	0	0	0	0	0	0
AC137894	25	22	34	18	21	16
AP003396.	0	0	0	0	0	0
AC067930	0	0	0	0	0	0
AC084855	8	0	4	4	5	7
AC103855	0	0	0	0	0	0
AC022690	0	0	0	0	0	0
AC013799	0	0	0	0	0	0
AP001107.	0	6	5	4	3	0
AC127526	4	0	3	4	0	0
AC008750	106	51	198	152	57	80
AP001107.	0	0	0	0	0	0
AC104009	0	0	0	0	0	0

AC021393	0	0	0	0	0	0
AC022182	120	66	72	57	28	47
AP001825.	0	0	0	0	0	0
AC073172	5	12	15	0	0	0
AP000842.	0	0	0	0	0	0
FAR1-IT1	57	42	86	49	37	51
AC022182	48	32	47	21	42	29
AP006437.	0	0	0	0	0	0
AP001189.	15	26	43	3	83	12
AC067930	5	4	8	7	10	14
AC123777	0	0	2	0	0	0
AP003031.	2	5	7	0	3	0
AP006284.	98	109	111	85	73	79
AC021698	0	0	0	0	0	0
AC107882	0	0	0	0	0	0
AL136309.	8	4	16	4	4	2
AC023442	0	0	0	0	0	0
AP001782.	0	0	0	0	0	0
AP001922.	57	181	212	56	48	24
AP003032.	0	0	0	0	0	0
AP002428.	0	0	0	0	0	0
AP001893.	0	0	0	0	0	0
RNF185-A	8	1	16	5	0	7
AL035078.	0	0	0	0	0	0
AP001372.	208	117	186	163	108	126
AF131215.	29	10	24	24	19	18
LINC02551	116	27	65	62	52	56
AP000757.	2	4	0	0	0	0
AL355075.	13	0	3	5	9	9
AC009806	0	0	0	0	0	0
AP003390.	2	0	0	0	0	2
AP001107.	4	0	7	7	4	11
AC067930	77	0	0	22	4	25
TMEM9B-A	415	143	197	460	201	257
AC100768	0	0	0	0	0	0
AC100771	0	2	0	0	2	3
AP001360.	0	0	0	0	0	0
AC107884	0	2	0	0	0	0
AC100763	0	1	6	0	0	0
AC139749	0	10	0	14	0	4
AP001267.	25	17	59	9	23	14
AP003171.	0	0	0	0	0	0
SUGT1P4-	662	312	781	603	483	436
AC103794	0	0	0	0	0	0
PTPRJ-AS1	0	0	3	0	0	0
PKNOX2-A	0	0	0	0	0	0
AP001547.	0	0	0	0	0	0
AC010247	122	26	80	81	49	103
NAV2-AS1	0	0	0	0	0	0
OPCML-IT	0	0	0	0	0	0
AC087362	3	0	0	1	0	0
AC091053	0	0	3	0	0	0
ANO1-AS1	0	0	0	0	0	0
AP001318.	14	9	11	13	12	6
AC090707	0	0	0	0	0	0
AC087276	5	0	0	0	0	4
AC136475	38	23	37	34	22	25
SCARNA9	632	328	442	497	352	434

AC239802	0	0	0	0	0	0
AC090692	0	0	0	0	0	0
AC116456	0	0	0	0	0	0
AC027779	0	0	0	0	0	0
AP001372.	8	0	15	0	2	3
AL591684.	606	126	415	463	347	170
LINC02545	0	0	0	0	0	0
AP001007.	0	0	0	0	0	0
AP000785.	0	9	4	4	22	1
LINC00678	0	0	0	0	0	0
AF131215.	521	293	458	414	267	432
AP002833.	0	0	0	0	0	0
AL355310.	6	0	3	0	0	9
AP003501.	0	2	0	0	0	0
AC073172	0	0	0	0	0	0
AC044810	0	0	0	0	0	0
AP001257.	76	31	95	143	146	63
KIRREL3-A	0	0	0	0	0	0
AP001972.	5	4	8	8	5	3
AP001458.	0	0	2	1	1	0
AC103974	12	5	16	3	15	9
AP003063.	2	0	0	8	3	0
AP003122.	0	0	0	0	0	0
AP003498.	0	2	0	0	2	0
AC105219	0	0	0	5	0	0
AP001189.	0	0	0	0	2	0
AP002008.	0	0	0	0	0	0
AC025300	16	24	16	27	27	9
RSF1-IT2	288	139	294	334	175	175
AP002989.	3	3	3	6	3	9
AP002498.	6	0	0	3	0	0
AP001999.	0	0	0	0	0	0
AP001781.	9	6	6	7	11	10
AC124276	0	0	0	0	0	0
LINC02324	42	23	22	11	100	28
AL133330.	0	0	3	7	3	0
AP003128.	3	8	4	3	4	0
LINC02489	0	0	0	0	0	0
AP000442.	0	0	2	0	0	0
AP000755.	0	0	0	0	0	0
AF131216.	0	0	0	0	0	0
AC093496	0	0	0	0	0	0
AC136475	1005	927	1322	846	449	1302
AP000842.	0	0	0	0	0	0
AP003049.	0	7	0	5	8	3
AC110058	0	0	0	0	0	0
AP002807.	652	331	685	455	407	433
AC104241	0	0	0	0	0	0
STRA6LP	876	302	1388	1514	605	708
AP006287.	5	0	5	0	4	0
LINC02553	0	0	0	0	0	0
AC103855	0	0	0	0	0	0
NAV2-AS5	0	0	0	0	0	0
AP000866.	10	9	14	12	3	7
AC069185	31	14	26	20	8	7
AC067930	5	16	16	7	10	9
FAM66D	10	4	9	0	9	18
AC009656	0	8	11	3	0	0

AP001318.	3	0	6	8	3	2
AC013549	0	0	0	0	0	0
AC084838	0	0	0	0	0	0
AC104241	0	0	0	0	0	0
AP003168.	94	58	105	101	81	98
GRM5-AS1	0	0	0	0	2	0
AP003110.	0	0	0	0	0	0
AP001993.	0	0	0	0	0	0
AC136475	13	5	8	4	0	7
AC087442	0	0	0	0	0	0
AC010768	3	1	8	0	0	2
AC090159	0	1	0	1	0	2
AP006259.	102	185	349	145	105	88
AP003119.	0	0	0	0	0	0
AC103843	6	0	0	5	0	5
AP005436.	0	2	4	4	3	0
AP006621.	22	23	36	28	11	14
AC090458	0	0	0	0	0	0
AP003392.	21	8	15	14	9	6
LINC02546	0	0	0	0	0	0
AP003306.	0	0	0	0	0	0
AP003385.	0	0	0	0	0	0
OVOL1-AS	0	0	0	0	0	0
AP003392.	156	41	40	108	20	106
AP003064.	2	2	11	0	0	5
AP000880.	3	5	2	0	3	2
AC022874	0	0	0	0	0	0
AC090138	0	0	0	0	0	0
AC113192	0	0	0	0	0	0
AP002360.	54	36	60	43	30	45
AP001972.	6	0	0	0	0	0
AP000442.	5	6	7	7	3	4
AP006621.	64	13	41	25	33	46
AP000879.	0	0	0	0	0	0
STX17-AS1	7	0	5	8	14	5
AP004247.	0	0	0	0	0	0
AC239802	0	0	0	0	0	0
TOLLIP-AS	20	24	37	25	24	26
AC131934	10	0	2	4	2	2
AC026894	0	0	0	6	0	0
AC009652	0	4	2	9	0	0
AF235103.	2	0	0	2	0	2
AC134775	19	40	61	51	31	36
AC090857	0	0	0	0	0	0
AC113192	0	0	0	0	0	0
LINC01499	0	0	0	0	0	0
AP003068.	5	2	13	8	7	5
AC022796	0	0	0	0	0	0
AP000941.	2	0	0	0	2	5
MUC5B-AS	10	4	5	2	2	0
AP002759.	0	0	0	0	0	0
AC027804	0	0	0	0	0	0
AC084125	247	150	206	189	179	153
AP000756.	0	0	0	0	0	0
AC087277	36	13	48	44	17	20
AP003386.	0	0	0	0	0	0
AP003555.	0	0	0	0	0	0
AC100768	0	0	0	0	0	0

AC090559	959	689	995	677	754	751
SNHG9	28	9	16	8	16	0
AC087623	0	0	0	0	0	0
AL049629.	0	0	0	0	0	0
AC011853	0	0	0	0	0	0
AP001978.	0	0	0	0	0	0
AP001360.	0	0	0	0	0	0
AP000755.	0	0	0	0	0	0
AC109322	24	13	19	20	14	16
AC044839	0	0	0	0	0	0
AC090124	0	0	0	0	0	0
AC069287	0	0	0	0	0	0
AP003969.	0	0	0	0	0	0
AP000446.	18	11	32	14	13	22
AP002992.	2	3	0	2	0	0
AC138230	0	0	0	0	0	0
AP001636.	191	116	311	235	215	168
AP005436.	0	0	0	1	0	0
AC099687	0	0	0	0	0	0
AC023078	0	0	0	0	0	0
AP000793.	0	0	0	0	0	0
AP003390.	0	0	4	0	0	0
MIR100HG	52	0	0	13	3	0
AP003059.	0	0	0	5	0	0
AL078612.	0	0	0	0	0	0
AL136146.	15	16	30	16	18	14
AP001979.	0	0	0	0	0	0
KC877392.	0	0	0	0	0	0
AC018716	3	0	2	0	0	0
AC024475	0	0	0	0	0	0
NAV2-IT1	0	0	0	0	0	0
AL137224.	0	0	0	0	0	0
AC113192	0	0	0	0	0	0
RRM1-AS1	0	0	0	0	4	0
AC023442	0	0	0	0	0	0
AP006621.	234	108	230	107	96	191
AC068389	0	0	0	0	0	0
AP003557.	56	31	80	57	45	87
AC079917	0	0	0	0	0	0
AP002893.	11	2	15	16	9	13
AC004923	16	2	7	8	6	7
AC009652	4	0	0	3	0	0
AF131215.	1336	589	1388	1264	942	1039
AP002370.	0	0	0	0	0	0
AC100858	0	0	0	0	0	0
AC024475	4	0	7	10	0	3
AP002833.	0	0	0	0	0	0
AP000759.	12	8	23	7	14	5
AC068389	5	0	2	0	0	0
LINC01495	0	0	0	0	0	0
AC108136	0	0	4	0	0	3
AP001922.	0	0	0	0	2	0
AP003062.	0	0	0	0	0	0
AC136475	61	33	39	26	24	25
AP003028.	0	0	0	0	0	0
AP000907.	2	0	0	0	0	0
AC124301	0	0	0	0	0	0
AP001830.	13	4	10	3	2	4

AC087276	5	0	1	0	0	0
AC234917	7	7	7	16	9	12
AP001999.	0	0	0	0	0	0
AP002957.	0	0	0	0	0	0
AP001775.	0	0	0	0	0	0
AC023946	2	0	4	0	0	0
AP000640.	2	0	9	0	4	0
AC055878	0	0	0	0	0	0
AP000785.	0	0	0	0	0	0
AP001189.	9	30	22	6	17	14
SMILR	33	29	37	9	66	32
AC120036	0	0	0	0	0	7
AC127526	6	9	9	3	4	2
OPCML-IT	0	0	0	0	0	0
AC107886	0	0	0	0	0	0
AL078612.	0	0	0	0	0	0
AP001646.	0	0	0	0	0	0
AP001267.	2	2	0	0	0	0
AC021006	0	0	0	0	0	0
Z97989.1	135	88	270	198	89	154
AC091564	11	0	0	0	6	0
C8orf49	0	0	0	0	0	0
AP001972.	0	0	0	0	0	0
TBX5-AS1	0	0	0	0	0	0
AC124276	0	0	0	0	0	0
AC027451	0	0	0	0	0	0
AP001266.	2	2	6	0	0	0
AP000911.	0	0	0	0	0	0
RSF1-IT1	72	60	120	113	48	95
AC091564	3	0	0	0	0	0
LINC02548	0	0	0	0	0	0
AC090092	18	6	13	20	6	5
CASC23	0	0	0	0	0	0
AP002340.	2	0	3	0	0	0
AP002954.	67	16	60	9	5	10
AC044839	0	0	0	0	0	0
AC087783	0	0	0	0	0	0
AP002008.	6	0	0	0	0	2
AP003400.	0	0	0	0	0	0
AP001803.	0	0	0	0	0	0
AP001922.	0	0	0	0	0	0
AP001267.	9	0	4	5	3	5
AL354813.	42	27	61	39	31	19
AP001085.	0	0	0	3	0	0
AC008750	196	139	346	259	127	146
CD44-AS1	2	0	6	4	4	2
AP003064.	7	9	3	6	6	3
AC044839	2	0	3	1	2	4
AC055860	444	218	507	427	205	326
AP002812.	136	48	132	156	79	80
AC010768	0	0	4	0	0	0
AP003486.	1606	594	1354	1354	1002	1140
AC084125	0	0	0	0	0	0
AC108471	14	6	12	17	10	16
AC104031	0	0	0	0	0	0
AP002433.	4	3	10	2	3	1
AP001107.	158	37	131	110	68	75
AC090099	0	0	0	0	0	0

AP001528.	0	0	0	0	0	0
AL161668.	0	0	0	0	0	2
GAU1	0	0	4	0	0	0
AP001007.	0	0	0	0	0	0
AC011092	1	0	7	0	0	0
AC021713	0	0	0	0	6	0
AP000944.	3	0	0	1	0	9
AP001189.	3	8	8	4	7	7
AL353699.	0	0	0	0	0	0
AP001830.	0	0	0	0	0	0
AP003063.	0	0	5	0	0	1
AC087362	12	5	13	5	2	6
AC100858	3	0	0	0	0	2
LINC00681	0	0	0	0	0	0
AC145124	38	113	169	27	33	83
AC103796	0	0	0	0	0	0
AC068385	21	22	24	22	16	18
AP003730.	0	0	0	0	0	0
AP001767.	6	4	0	1	5	5
AP003718.	0	0	0	0	0	0
UVRAG-D	9	3	16	10	11	5
AP005135.	0	0	0	0	0	0
AP005436.	0	0	0	0	0	0
AP002748.	61	23	50	65	32	35
AC090589	3	0	3	2	2	0
AL356215.	23	3	46	28	15	20
AP001652.	2	0	0	0	0	6
AL137804.	0	0	0	0	0	0
AP003123.	0	0	0	0	0	0
AP000708.	0	0	0	0	0	0
AP002336.	0	0	0	0	0	0
AC090625	0	0	0	0	0	0
AP004608.	123	72	160	188	75	74
AP003043.	0	0	0	0	0	0
AP003733.	0	0	0	0	2	0
AP000857.	0	0	0	0	0	0
AP001266.	0	0	0	0	0	0
AC013762	0	0	0	0	0	0
ZNF252P-	86	18	36	61	38	48
AC073651	0	0	0	0	0	0
BRWD1-A	14	11	12	12	6	30
MIR9-3HG	46	50	105	77	158	116
AC018653	0	0	0	0	0	0
AP000462.	0	0	2	0	0	0
AC007368	26	20	25	14	50	34
AP000997.	0	0	0	0	0	0
AP000820.	0	0	0	0	0	0
AP000439.	0	0	0	0	0	0
AC006063	0	4	2	7	3	5
LINC0244(	0	0	0	0	0	0
AC023790	19	0	6	3	8	12
AC140847	0	0	0	0	0	0
AC025576	9	6	5	0	2	2
AC010185	0	0	0	0	0	0
AC093510	14	6	12	4	7	11
AC087242	0	0	0	0	0	0
AC008114	3	0	4	0	0	2
FAM222A-	0	0	0	0	0	0

AC140847	2	1	0	3	0	0
AC007570	46	13	30	22	24	14
RERG-AS1	0	0	0	0	0	0
AP000943.	36	14	8	64	22	37
AC007619	80	17	38	101	41	29
AC007406	0	0	0	0	0	0
AP002892.	0	0	0	0	0	0
JRKL-AS1	0	0	0	0	0	0
AC091564	3	0	1	0	0	0
AC073864	0	0	0	0	0	0
AP003174.	0	0	0	0	0	0
AC002563	0	0	0	0	0	0
LINC02389	20	0	8	12	8	2
LINC02460	0	0	0	0	0	0
SNHG1	2767	1745	3530	2811	1566	1828
AC108516	89	72	115	88	67	64
LINC01489	0	0	0	0	0	0
IFNG-AS1	670	346	367	470	240	855
AGAP2-AS	27	29	40	24	13	17
AP000808.	4	0	0	0	0	0
AC023796	0	0	0	0	0	0
AC007406	3	0	0	4	3	3
AC022509	0	1	2	0	1	0
LINC02422	136	101	215	134	115	91
LINC01479	4	0	0	0	2	7
AP000439.	0	0	0	0	0	0
AC005845	5	0	4	0	0	0
AC078950	0	0	2	0	0	0
RMST	0	0	0	4	0	0
AC092746	43	108	57	6	14	15
AP003065.	0	0	0	0	0	0
AL121988.	4	5	0	1	0	0
LINC02439	0	0	0	0	0	0
AC025576	0	0	2	0	0	0
AC006205	0	0	0	2	0	0
AC092490	0	0	0	0	0	0
AC117503	0	0	0	0	0	0
AP000593.	3	0	2	0	2	4
AP000777.	0	0	0	2	0	0
AP003717.	199	162	206	257	181	157
RXYLT1-AS	0	0	0	0	0	2
AC069503	19	5	2	8	21	0
PXN-AS1	142	44	133	78	39	82
AC055720	0	0	0	0	0	0
AC090023	0	0	0	0	0	0
DENND5B	8	3	3	0	0	0
AC007529	0	0	0	0	0	0
LINC00346	9	14	44	32	82	8
AC091814	21	9	20	26	15	8
AC020611	0	0	0	0	0	0
AP000786.	271	81	362	111	74	177
AC024901	2	2	0	0	5	0
AC148477	6	0	0	0	0	0
CCND2-AS	35	4	25	19	11	12
AC026310	0	0	0	0	0	0
AP002993.	0	4	0	0	0	0
AP000943.	13	18	34	6	10	15
AP003108.	0	0	2	11	0	0

AC117500	8	8	13	23	6	0
AC006065	0	0	0	0	0	0
AC025252	0	0	0	0	0	0
AC069234	12	2	3	17	11	11
AP002754.	0	0	0	0	0	0
RPS6KB2-A	61	27	46	43	33	37
AC115676	0	2	2	3	0	0
AP000777.	0	2	5	0	0	0
AC006064	8	0	0	12	5	6
AC024145	0	0	0	3	0	0
LINC02421	0	2	5	10	3	4
AP000439.	0	0	0	0	0	0
AC007848	0	0	0	0	0	0
AC131009	0	0	3	4	5	4
AC069235	0	0	0	0	0	0
AC079949	0	0	0	0	0	0
AC084117	21	13	19	24	18	14
ARAP1-AS	36	29	41	25	18	16
AC125616	0	0	0	0	0	0
AC007688	0	2	0	0	0	3
AC027277	0	0	0	0	0	0
AC006205	21	16	26	8	15	12
LINC02411	0	0	0	0	0	0
CACNA1C	0	0	0	0	0	0
AC026362	2112	1174	2599	2168	1350	1752
AC087885	0	0	0	0	0	0
AP002770.	24	13	34	24	19	15
LINC02446	917	112	291	693	456	705
PAPPA-AS	55	25	124	80	82	84
AL583722.	0	7	16	2	13	4
AC063926	2	0	1	0	0	2
AC084291	0	0	0	0	0	0
AC078889	6	0	2	4	0	2
URB1-AS1	19	13	40	63	18	28
LINC02442	0	0	0	0	0	0
AC090673	0	0	0	0	0	0
AC092112	6	0	9	5	14	8
AC130404	0	0	0	0	0	0
AC137767	40	6	22	34	22	30
AC092745	13	7	4	4	2	15
LINC02443	0	0	0	0	0	0
AP001453.	48	20	23	35	21	25
SOX5-AS1	0	0	0	0	0	0
LINC01152	0	0	0	0	3	0
LINC00944	182	85	273	233	121	180
AC117373	0	0	0	0	0	0
AC007637	57	26	85	82	26	47
AC006206	0	0	0	0	0	0
AC087863	0	0	0	0	0	0
AC092471	31	5	29	28	7	18
ADGRD1-A	0	0	0	0	0	0
AC027290	60	21	67	37	38	36
LINC02598	67	25	46	67	15	21
LINC02571	0	0	6	0	0	0
LINC02420	0	0	0	0	0	0
AC055720	38	18	36	36	25	35
LINC00507	0	0	0	0	0	0
AP002518.	0	0	4	4	0	0

AP003721.	0	2	0	4	0	0
TSPAN9-IT	0	0	8	0	0	0
AC078962.	0	0	0	0	0	0
AC073862.	0	0	0	0	0	0
AC073578.	0	0	0	0	0	0
AC007848.	0	0	0	0	0	0
AP003037.	0	0	0	0	0	0
AC092747.	0	0	0	0	0	0
LINC02387	0	0	0	0	0	0
AC022509.	5	3	5	7	4	0
AC007450.	0	0	0	0	0	0
AC026333.	12	8	17	0	0	6
AC073912.	0	0	0	0	2	0
AC019209.	0	0	0	0	0	0
CACNA1C	0	0	0	0	3	0
AC117500.	0	0	0	0	0	0
LINC02425	0	0	0	0	0	0
USP30-AS	75	43	90	60	33	63
LINC02454	0	0	0	0	0	0
CACNA1C	57	31	86	82	36	59
AC022511.	0	0	0	0	0	0
AC048382.	19	12	5	11	10	13
AP003174.	0	0	0	0	0	0
AC078878.	0	0	0	0	0	0
LINC02398	0	4	0	3	0	0
AC022075.	0	0	0	0	0	0
LINC02376	0	0	0	0	0	0
AC135388.	0	0	0	0	0	0
AC073912.	43	11	28	27	15	28
AC007527.	0	0	0	0	0	0
AC084880.	0	0	0	0	0	0
AC138466.	7	5	6	6	5	6
AC078962.	2	3	10	4	4	0
AP000462.	0	0	0	0	0	0
AC087258.	0	0	0	0	0	0
AC025423.	66	33	81	63	40	56
AC007655.	3	0	0	0	0	2
AP006333.	17	15	20	16	20	13
AC095350.	0	0	0	0	0	0
AL132708.	2	1	0	0	0	0
LINC02375	0	0	0	0	0	0
AC069234.	15	8	12	6	12	6
AC009509.	0	0	0	0	0	0
AC005832.	0	0	0	0	0	0
AC087321.	0	0	0	0	0	0
AP003785.	0	0	0	0	0	0
AC006206.	0	0	0	0	0	0
LINC02552	0	0	0	0	0	0
LINC02414	6	0	4	0	0	0
AC010175.	225	150	223	342	104	255
AC005840.	18	24	27	27	20	20
AC019209.	0	0	0	0	0	0
AC010186.	3	4	5	0	2	4
AP003559.	0	0	0	0	0	0
AP000763.	167	56	79	88	81	120
AP003170.	0	0	2	3	0	0
AC080075.	0	1	2	2	0	1
AL732437.	0	0	0	0	0	0

AP002383.	5	4	10	0	7	10
AC087260	0	0	0	0	0	0
AP006333.	0	0	0	3	0	0
AC023796	0	0	0	0	0	0
AC140118	0	0	0	0	0	0
AC007368	0	0	0	0	0	0
LINC02468	0	0	0	0	0	0
AC009509	0	0	0	0	0	0
MRGPRF-A	0	0	0	0	0	0
AC009511	0	0	0	0	0	0
AC022081	0	0	0	0	0	0
AC046130	11	6	18	10	12	10
AC007406	0	2	0	0	0	0
AC148477	0	0	0	0	0	0
AC156455	7	7	0	3	0	8
LINC02369	0	0	0	0	0	0
LINC01486	0	0	0	0	0	0
AC007552	0	0	0	0	0	4
AP002761.	0	0	0	0	0	0
AC069234	3	0	8	3	0	0
AC079866	3	5	4	1	0	0
LINC02361	127	67	94	114	34	106
AC007406	0	0	0	0	0	0
LINC02390	249	95	304	258	157	178
AC027544	76	67	120	84	52	61
AC026358	6	0	0	2	0	0
LINC02393	0	0	0	0	0	0
AP003170.	6	11	6	7	3	12
AC084880	0	0	0	0	0	0
AC010197	0	0	0	0	0	0
ZBTB11-AS	412	214	452	416	204	264
AC135586	16	3	28	34	16	10
AP005019.	16	18	26	19	20	13
LINC01965	0	0	0	0	0	0
LINC00273	0	0	0	0	0	0
LINC02441	0	0	0	0	0	0
RERG-IT1	0	0	0	0	0	0
AC005906	0	0	0	0	0	0
AC008115	4	0	0	3	2	2
LINC02368	0	0	0	0	0	0
A2ML1-AS	1	0	0	0	0	2
AC078962	0	0	3	0	0	0
LINC02455	0	0	0	0	0	0
AP003781.	0	0	0	0	0	0
AC019209	0	0	0	0	0	0
AP001160.	15	6	15	15	7	17
AC005908	0	0	0	0	0	0
AC026369	0	0	0	0	0	0
AC003982	0	0	0	0	0	0
TMEM132I	0	0	0	0	0	0
AL137779.	20	8	15	15	14	0
AC005342	8	2	1	6	4	5
AC134349	185	84	191	181	73	154
AC087318	5	2	5	4	2	6
AP002991.	0	0	0	0	0	0
CACNA1C	0	0	0	0	0	0
AC006065	10	3	8	18	6	10
AP003721.	0	0	0	0	0	0

AP002892.	0	0	2	3	0	0
AC145422	87	40	133	91	40	54
AC018410	4	2	2	8	5	2
AC009511	2	0	20	17	0	7
LINC02423	0	0	0	0	0	0
PLBD1-AS	39	9	64	18	31	29
AP002840.	0	1	0	0	1	2
CACNA1C	0	0	0	0	2	0
AC079031	0	0	0	0	0	0
AP000753.	0	0	0	0	2	0
AC022613	0	0	0	0	0	0
AC024224	0	0	0	3	0	0
AC078925	0	0	0	2	0	0
AC079360	4	5	3	8	0	5
AP000777.	7	1	6	10	8	7
AC122688	0	0	0	0	0	4
AP000721.	2	2	2	0	0	2
CACNA1C	0	0	0	0	0	0
AC005842	78	27	78	91	19	80
AC079031	0	0	0	0	0	0
AC129102	3	0	3	0	7	3
AC084880	0	0	0	0	0	0
LINC02366	0	0	0	0	0	0
AC022509	0	0	0	2	2	2
AC018410	2	0	0	2	0	0
A2ML1-AS	0	0	0	0	0	0
LINC02419	0	0	0	0	0	0
AC090023	0	0	0	0	0	0
AP000851.	0	0	0	0	0	0
AC087894	0	0	0	0	0	0
AC084819	5	0	0	0	0	2
ADGRA1-A	0	0	0	0	0	0
AP000763.	77	64	145	87	61	45
AP001453.	2	0	0	0	5	3
AC148477	0	0	0	0	0	0
AP003721.	0	0	0	0	0	0
AP002518.	0	0	0	0	0	0
AC026369	8	0	10	17	4	8
AC131009	0	3	4	3	1	0
AC018653	11	11	25	12	8	4
AC007207	0	0	0	0	0	0
LINC00508	0	0	0	0	0	0
AP000462.	0	0	0	0	0	0
AC053513	117	56	101	92	77	90
AC135782	9	14	13	9	7	17
AC005833	1	1	11	5	0	7
LINC02378	0	0	0	0	0	0
AC084816	12	0	5	6	4	7
AC137590	0	3	7	0	0	3
AP000438.	0	0	0	0	0	0
AC008115	0	0	0	0	0	0
AC022367	0	0	0	0	0	0
AC008250	0	0	0	0	0	0
AC087241	0	0	0	0	2	0
AC023595	0	0	0	0	0	0
AC010186	6943	3766	9075	9368	5073	6710
AP002761.	12	0	0	0	6	2
AC008011	0	0	0	0	0	0

AC016746	0	0	0	0	0	0
LINC02417	0	0	0	0	0	0
AP003721.	6	8	7	7	5	6
LINC02282	0	0	0	0	0	0
AP001363.	3	0	14	9	4	2
AC091078	0	0	0	0	0	2
AP000797.	0	0	0	0	0	0
KCNK4-TE	0	0	1	0	3	0
AC073530	5	4	6	2	0	0
MIR200CH	3	0	10	0	2	3
AP001453.	15	10	14	12	16	12
AC084361	0	0	0	0	0	0
AL161747.	0	0	2	4	3	0
CLIP1-AS1	0	0	9	2	0	3
AC006581	0	0	0	0	0	1
LINC02450	0	0	0	0	0	0
AL356756.	0	0	0	0	0	0
AC093025	0	0	0	0	0	0
FOXG1-AS	0	0	0	0	0	0
CLLU1	2	3	1	0	0	2
AC007249	72	20	44	45	56	39
C12orf80	0	0	0	0	0	0
AC084032	3	2	3	0	4	0
AC126177	0	0	0	0	0	0
PWAR6	1682	775	1645	1478	856	1457
AL163973.	0	0	0	0	0	0
AC024909	18	28	34	37	7	22
LINC02451	0	0	0	0	0	0
AC079362	0	0	0	0	0	0
TMPO-AS1	188	140	221	177	94	123
AC009318	470	279	163	196	251	331
AC103702	10	6	13	8	1	0
AC009135	0	0	0	0	0	0
AC025423	36	22	54	19	26	31
AC090502	0	0	0	0	0	0
LINC02293	0	0	0	0	0	0
AC090709	0	0	0	0	0	0
LINC02385	0	0	0	0	0	0
AC126178	0	2	13	4	0	0
AC084398	0	0	0	0	0	0
LINC02407	0	0	0	0	0	0
AC007569	40	31	111	29	20	42
AC079907	0	0	0	0	0	0
AC079601	42	21	28	31	10	49
AC079584	0	0	2	0	0	0
AC090531	0	0	0	0	0	0
LINC02448	0	0	0	0	0	0
AC078814	0	0	0	0	0	0
AC090630	0	0	0	6	6	0
AC078922	0	0	0	0	0	0
LINC01619	2815	1738	3148	3105	1191	1832
AC124947	0	0	0	0	1	0
AC131157	0	0	0	0	0	0
AC008147	0	0	0	1	0	0
AC012150	2	4	9	10	8	13
LINC02388	0	0	0	0	0	0
AC008014	288	91	260	196	103	127
AC023511	0	0	0	0	0	0

AC136443	1	1	1	1	1	0
AC123905	0	0	0	3	0	0
AC002375	0	0	0	0	0	0
AL928654.	8	3	9	14	0	8
KIRREL3-A	0	0	0	2	1	0
AL162311.	12	8	9	7	12	16
AL139020.	116	58	99	51	17	14
AC092652	6	0	2	2	0	4
AC127164	32	10	7	16	19	7
AC012464	0	0	0	5	0	0
AC013437	5	3	11	4	1	2
AL132780.	23	15	21	32	13	27
AC089999	1	0	2	1	0	1
AC080011	0	0	0	0	0	0
AC008147	87	32	139	73	22	42
AC073896	28	7	28	21	14	24
AL589743.	0	0	0	0	0	0
AC008127	0	0	0	0	0	0
AC138123	6	5	5	0	0	3
AC138360	0	0	0	0	0	0
AC012555	0	0	6	0	0	0
AC011611	0	0	0	0	0	0
AC068888	57	40	32	54	19	60
AC025165	99	34	138	71	63	46
LINC02413	9	3	13	3	4	4
AC011603	0	0	0	0	0	0
AC048341	1542	788	1432	1640	1209	1045
AC073863	2	0	0	0	0	0
AC138969	0	6	7	0	13	5
AC012038	0	0	0	0	0	0
AC025154	0	0	0	0	0	0
AC023509	6850	4968	8733	6822	4783	4932
AC025257	21	13	36	23	10	9
AC126763	0	2	4	1	9	1
AL512310.	0	0	0	0	0	0
AC126177	0	0	0	0	0	0
AC023161	0	2	0	0	0	0
AC009803	0	0	0	0	0	0
AC089984	3	0	2	0	0	0
AC074031	0	0	0	0	0	0
AC089998	0	0	0	4	3	3
AC004241	122	87	119	117	57	113
AC073525	12	0	4	1	4	0
AC087311	0	0	0	0	0	0
AC011595	0	0	0	0	0	0
AC068305	0	0	0	0	0	0
AC034102	0	0	0	0	0	2
AC004551	2	0	4	0	0	0
AC011611	2	0	4	0	3	4
AC025575	0	1	0	3	0	4
AC009320	0	0	0	0	0	0
AC069437	0	0	0	0	0	0
PPFIA2-AS	0	0	0	0	0	0
AC013417	0	0	0	0	0	0
AL355112.	0	0	0	0	0	0
AC027288	0	0	0	0	0	0
AC068888	69	65	152	126	75	59
LINC02459	0	0	0	0	0	0

LINC01154	2	4	7	2	7	7
LINC02354	0	1	5	0	0	0
AC004217	2	0	0	0	0	0
KRT73-AS1	19	44	17	27	8	25
AC025031	4	0	0	3	0	0
AC121761	143	98	181	161	127	144
AC055736	0	0	0	0	0	0
LINC02297	0	0	0	0	0	0
LINC02373	3	2	5	4	0	0
AC073487	105	55	198	110	104	80
LINC02402	0	0	0	0	0	0
AC117505	0	0	0	0	0	0
AC011601	0	0	0	0	0	0
AC026765	0	0	0	0	0	0
AC078880	0	0	0	0	0	0
AL132857.	0	0	0	0	0	0
AL133166.	0	0	0	0	0	0
LINC02326	0	0	0	0	0	0
AC107032	6	0	0	0	1	1
AC126755	7	2	6	8	1	4
AC048344	0	1	0	0	0	0
AC023794	71	37	41	44	12	33
LINC02403	0	0	0	0	3	0
AC063948	2	0	0	0	0	0
AC079385	0	5	0	0	2	0
AC078929	0	2	2	0	1	0
AC023509	32	14	33	14	4	16
HLX-AS1	3	3	7	0	0	2
AC034102	11	11	12	9	6	8
LINC02298	17	3	24	8	20	7
PPP1R12A	66	30	119	38	32	29
AC126755	0	6	8	0	13	5
AC079035	4	0	3	0	0	0
AC007540	8	0	0	0	0	0
LINC01475	0	0	0	0	0	0
LINC00609	0	0	0	0	0	0
AC136188	0	0	0	0	0	0
AC025154	0	0	0	2	0	0
LINC02356	6	0	10	5	6	0
AC078778	0	0	0	0	0	0
OVCH1-AS	99	30	251	100	41	229
AC010183	0	0	0	0	0	0
AC073611	8	0	0	5	2	14
AC073957	75	47	68	55	12	32
MIR4307H	0	0	0	0	0	0
LINC01481	80	19	18	41	24	29
AL133304.	0	0	0	0	0	0
PSMA3-AS	8986	6214	12301	10062	5603	7388
AL512356.	7	3	5	0	0	6
AC079310	0	0	0	0	0	0
G2E3-AS1	0	0	0	0	0	0
AC096558	11	0	7	11	3	6
KCCAT198	9	13	39	22	14	21
AC124312	2	0	0	6	2	0
AC117498	0	0	2	0	0	0
AC125603	0	0	0	0	1	0
AC079950	0	0	3	0	0	0
AC117498	0	0	0	0	3	0

AC025259	6	0	14	3	7	0
KRT7-AS	0	0	0	0	0	0
LINC02464	0	0	0	0	0	0
AC025265	19	4	20	22	9	12
AC090503	0	0	0	0	0	0
LINC02463	0	0	0	0	0	0
AC010203	2	7	5	0	4	0
AC084033	51	31	51	77	10	40
AC055716	0	0	0	0	0	0
LBX2-AS1	175	113	235	202	123	175
AC068643	6	0	0	0	1	0
AC079385	4	0	2	7	9	3
AC007298	0	9	0	0	15	0
CPNE8-AS	4	0	2	0	0	6
LINC02399	0	3	2	1	0	2
AC078880	0	0	0	0	0	0
AC090679	0	0	0	0	0	0
AC089983	0	0	0	0	0	0
AC090115	4	4	4	4	3	5
AC025265	0	0	0	0	0	0
AC073896	6	7	9	3	7	9
LINC01490	0	0	0	0	0	0
AC138123	0	0	0	0	0	0
LINC02426	0	0	0	0	0	0
LINC02281	0	0	0	0	0	0
LINC02445	0	0	0	0	0	0
AC012555	0	0	0	0	0	0
LINC02386	0	0	0	0	0	0
AL357153.	9	3	8	3	1	4
AC078860	0	0	4	0	0	0
LINC02401	0	0	0	0	0	0
AC020656	269	100	605	226	183	223
AC025265	0	0	0	0	0	0
AC026401	0	2	4	6	2	4
LINC02395	0	0	0	0	0	0
AC009387	0	0	0	0	0	0
LINC02400	0	0	0	0	0	0
AC112481	0	0	0	0	0	0
AC039056	0	0	0	0	0	0
AC073573	0	0	0	0	0	0
AC034102	13	13	14	12	5	24
LINC01481	132	87	170	122	144	132
AC026765	0	0	0	0	0	0
AC068789	13	0	17	5	3	5
AL133304.	0	0	0	0	0	0
AC121757	4	0	0	4	0	0
AC021066	0	0	0	0	0	0
AL136418.	0	0	7	6	0	13
AC073591	0	0	0	0	0	4
AC089998	0	0	0	0	0	0
AC011611	6	10	14	13	3	7
LINC02588	0	0	0	0	0	0
LINC02294	0	0	0	0	0	0
AC012038	0	0	0	0	0	0
CASC18	4	0	0	0	0	0
AC068643	0	0	0	0	0	0
AC090049	0	0	0	0	0	0
AL139023.	0	0	0	0	0	0

AC027287	0	0	0	0	2	0
AC007298	24	59	87	5	13	12
AC130415	0	0	0	0	0	0
AC078789	18	22	36	14	17	16
AC125603	0	0	0	0	0	0
AC011595	0	0	0	2	0	0
AL929601.	0	0	0	0	0	0
LINC02404	0	0	0	0	0	0
AC027288	4	3	0	0	0	0
AL162632.	6	0	3	0	0	2
AL133372.	0	0	0	0	0	0
LINC02156	10	0	6	3	9	5
AC124784	0	0	0	4	4	0
LINC02258	0	0	0	0	0	0
DDN-AS1	6	11	11	12	4	4
AC079385	3	9	2	6	7	6
LINC02409	0	0	0	0	0	0
LINC02416	8	3	3	2	4	0
AC008083	0	0	5	3	0	0
AC078776	0	0	0	0	0	0
LHX5-AS1	0	0	0	0	0	0
AC079598	0	0	0	0	0	0
AC025030	0	0	0	0	0	0
AC068993	0	0	0	0	0	0
AC083805	6	0	0	12	9	0
AC004801	2	4	0	4	0	0
AC008125	0	0	0	0	0	0
CR383656.	0	0	0	0	0	0
AC011773	0	0	0	0	0	0
AC020612	14	3	5	8	2	4
AC004801	0	0	0	0	0	0
LINC02306	0	0	0	0	0	0
AC078864	0	0	0	0	0	0
AC084365	0	0	0	0	0	0
AC010183	0	0	0	0	0	0
AC016257	2	0	0	0	0	4
AC126614	7	16	4	0	4	0
AC063947	0	0	0	0	0	0
AC016705	0	0	0	0	0	0
AC011603	163	64	191	90	100	74
LINC02457	0	0	0	0	0	0
AC078955	0	0	0	0	0	0
AL138974.	0	0	0	0	0	0
AC012157	6	4	8	0	7	0
AC123567	0	0	0	0	0	0
LINC02327	0	0	0	0	0	0
AC117377	0	0	0	0	0	0
AC073569	10	0	5	4	1	3
AC073569	0	0	5	0	0	9
AL139316.	0	0	0	0	0	0
AC025575	0	3	0	3	0	3
AC009779	87	44	105	92	66	61
BCDIN3D-	54	20	25	20	16	19
AC138331	0	0	0	0	0	0
AC079600	4	0	2	2	0	2
AC078923	0	0	0	0	0	0
AL110292.	0	0	0	0	0	0
AL391832.	39	174	201	63	30	12

AC128707	0	0	0	0	0	0
AC079313	6	4	2	7	4	6
AC078820	0	0	0	0	0	0
AC005841	7	5	5	11	10	8
AC025031	3	5	5	4	0	1
LINC02286	0	0	0	0	0	0
ATXN2-AS	5	0	12	14	6	11
AC025035	0	0	0	0	0	0
AC010173	28	100	67	12	36	12
AL158058.	0	0	0	0	0	0
AC009803	0	0	0	0	0	0
AC005871	0	0	0	0	3	0
AC090109	0	0	0	0	0	0
AC026116	0	0	0	0	0	0
AC087897	0	2	0	0	0	0
AC089987	0	0	0	0	0	0
AC044802	6	7	1	2	4	2
LINC02444	0	0	0	0	0	0
AC025254	0	0	0	0	0	0
AC007656	0	0	0	0	0	0
LINC02396	0	0	0	0	0	0
AC007622	16	15	13	13	13	15
AC079313	14	2	19	5	5	10
AC127894	0	0	0	0	0	0
LINC02406	0	0	0	0	0	0
AC069228	0	0	0	0	0	0
AC107023	0	0	0	0	0	0
AC025569	100	43	44	125	46	59
LINC00485	0	0	0	0	0	0
AC089998	3	0	0	0	0	0
LINC02412	0	0	0	0	0	0
AC073655	12	12	28	13	8	13
LINC02300	0	0	0	0	0	0
AC008149	1	1	4	3	5	8
AC016993	0	0	0	0	0	0
AC008083	98	18	25	30	22	41
LINC02392	0	0	1	0	0	0
AC010196	0	0	2	0	0	0
AL163973.	0	0	0	0	0	0
NKX2-2-A	0	0	0	0	0	0
AC073896	112	71	190	128	114	127
AC004801	0	0	0	0	0	0
AC144548	525	307	705	529	370	422
AC108721	0	0	0	0	0	0
AC084200	6	3	2	7	4	0
LINC02424	0	0	0	0	0	0
AC073571	0	0	0	0	0	0
AC020637	0	0	0	0	0	0
AC125611	16	22	40	20	38	9
AC024257	0	0	0	2	0	0
AC133480	0	0	0	0	0	0
AC002351	0	0	0	0	0	0
AC125603	0	0	0	0	0	0
AC078865	0	0	0	0	0	0
AC010177	0	0	0	0	0	0
AC011773	3	0	0	0	0	0
AC073896	0	4	4	0	0	2
AL929601.	0	0	0	0	0	0

AC079793	7	4	9	6	5	2
AC007513	0	0	0	0	0	0
AC012085	0	0	12	0	0	0
LINC00592	0	0	0	0	0	0
AC009803	0	0	0	0	0	0
AC011603	0	0	0	0	0	0
TESC-AS1	0	4	8	0	0	1
LINC02410	0	0	0	0	0	0
AC090503	0	0	0	0	2	0
VASH1-AS	407	200	400	364	233	317
AC025034	103	16	43	59	50	26
AC012464	76	28	53	59	30	45
AC079907	0	0	0	2	6	2
AC016152	0	0	0	0	0	0
AC084879	0	0	0	0	0	0
AL589182.	0	0	0	0	0	0
AC034102	59	26	53	28	8	25
AC073575	6	0	6	0	0	5
ITFG2-AS1	36	34	63	36	16	30
LINC02461	0	0	0	0	0	0
LINC02394	0	0	0	0	0	0
AC125611	0	0	0	0	0	0
AC130895	277	212	445	285	197	228
AC090680	0	0	0	0	0	0
AL133304.	2	0	2	0	0	0
AC090001	0	0	0	0	0	0
AC078778	3	1	0	7	1	2
AC034102	15	5	17	14	5	14
AC079384	0	0	0	0	0	0
AC138932	0	9	12	0	24	11
AC079174	13	12	35	21	11	10
CR383656.	0	0	0	0	0	0
AC073655	70	30	75	51	36	65
AC004846	19	17	90	70	60	16
AL139099.	70	31	60	60	31	27
AL139021.	7	10	17	11	12	3
AL355097.	0	0	0	0	0	0
AL356805.	5	0	6	2	0	0
AL132819.	0	0	0	0	0	0
AC068831	2	2	4	6	4	0
AL352984.	0	0	0	0	0	0
LINC02318	3	1	0	0	0	0
AL049833.	3	0	0	4	0	0
AL442163.	0	2	0	0	0	0
AL117190.	0	6	4	3	13	11
AL591767.	0	0	0	0	0	0
AC016526	0	0	0	0	0	0
LINC02320	1	3	4	4	4	1
AL157955.	6	2	6	6	0	2
AC087386	0	0	0	0	0	0
AL355102.	0	0	0	0	0	0
AL158801.	3	2	11	0	3	3
AL121790.	0	0	0	0	0	0
AF123462.	0	0	0	0	0	0
AL352977.	0	2	0	6	13	2
AC022469	0	0	0	0	0	0
AL160191.	0	0	0	0	2	0
AL512791.	4	5	9	6	2	3

AC013451	0	0	2	0	0	0
AL162872.	0	0	0	0	0	0
AL161757.	0	0	1	1	0	2
AL583722.	46	29	53	56	29	18
AC087633	0	0	0	0	0	0
AC048337	10	0	0	0	0	0
AL139193.	0	0	0	0	0	0
LINC00641	5937	2179	3646	4214	2577	3501
AC005225	4	0	0	0	4	0
AL132855.	0	0	0	0	0	0
AC023510	0	0	0	0	0	0
AL139099.	4	3	4	7	0	2
AL163636.	0	0	0	0	0	0
AC016526	6	11	28	17	6	9
AL158801.	0	0	1	2	0	0
AL132780.	6	0	5	2	2	2
AL160314.	19	5	11	4	14	8
AL356019.	0	0	0	0	0	0
AL355096.	0	0	0	0	0	0
AL160237.	0	0	0	0	0	0
AL161668.	5	0	15	7	9	4
AC007686	0	0	0	0	0	0
LINC02313	0	0	0	2	0	0
LINC02207	47	59	33	32	56	49
AC009396	0	0	0	0	0	0
LINC00640	14	2	14	12	4	8
AL352977.	2	0	1	0	0	0
AL133240.	0	0	0	0	0	0
LINC02251	0	0	0	0	0	0
LINC02277	0	0	0	0	0	0
AC027013	0	0	0	0	0	0
AL049835.	0	0	0	0	0	2
AL352955.	0	0	0	0	0	0
AL359682.	0	0	0	0	0	0
DIO3OS	0	0	0	0	0	0
LINC02287	31	22	25	25	19	4
LINC02290	0	0	0	0	0	0
AL157871.	39	25	28	26	27	40
AC116612	0	0	0	0	0	0
LINC02295	62	32	34	46	16	21
LINC00239	31	32	29	30	33	7
AL355075.	3	8	2	0	4	2
AL133167.	0	0	0	0	0	0
AC004817	0	0	0	0	0	0
AL359317.	0	0	0	0	0	0
AL157871.	5	2	12	3	3	4
AL049830.	133	34	74	74	75	95
AL049875.	48	23	42	48	47	33
LINC02305	0	0	0	0	0	0
AL132712.	0	0	0	0	0	0
AL079307.	0	0	0	0	0	0
FRMD6-AS	0	0	0	0	0	0
AL133279.	0	1	0	0	0	0
RHOXF1-A	35	5	9	8	6	15
LINC00645	0	0	0	0	0	0
CRAT37	2	5	6	4	18	21
AL157911.	2	2	0	1	0	0
AC025162	0	0	8	2	0	0

LINC02322	9	0	0	0	0	0
AL121852.	0	0	0	0	0	0
AC005519	340	224	469	379	261	389
AL157912.	12	7	3	1	3	3
AL359232.	33	21	33	23	19	30
AC007376	0	0	2	0	0	0
AL133467.	28	6	29	7	3	16
AL163195.	0	0	0	0	0	0
AL163974.	0	0	0	0	0	0
AL136298.	0	0	0	0	0	0
LINC01500	10	14	14	15	3	7
FAM181A-	0	0	0	0	4	0
LINC02274	0	0	0	0	0	0
AL391152.	0	0	0	5	0	2
AL583810.	3	0	4	0	0	10
AC021979	0	0	0	0	0	0
AL512357.	0	0	0	0	0	0
AL359238.	0	0	0	0	0	0
AL162464.	0	0	0	0	0	0
LINC01629	0	0	4	0	0	0
AC005225	0	0	0	0	0	0
AL161668.	3	0	2	0	0	0
LINC-ROR	0	0	0	0	0	0
AF111169.	314	215	357	428	421	126
LINC02303	0	0	0	0	0	0
AL135838.	32	23	48	39	28	28
AL121820.	11	10	9	4	5	8
LINC02292	10	0	0	0	0	0
AC110023	0	0	0	0	0	0
AL049870.	0	0	0	2	0	0
AL160006.	519	354	625	663	417	478
AL121821.	0	0	0	0	0	0
AC008056	0	0	0	0	0	0
AL133371.	0	0	0	0	0	0
AL049780.	15	4	12	15	9	2
LINC00930	0	0	0	0	0	0
AL392023.	0	0	0	0	0	0
SEC23A-A	5	2	5	6	4	5
AC026495	1	0	0	0	0	0
ARHGAP5-	12	8	32	3	10	6
AL136018.	0	0	4	11	5	3
AL139021.	0	3	0	0	0	0
AC006146	7	4	0	16	5	0
AL079303.	0	0	0	0	0	0
AC022469	0	0	0	0	0	0
AL117190.	0	0	0	0	0	0
AL157871.	3	0	14	5	7	2
HIF1A-AS2	0	6	14	0	2	0
AL049874.	0	0	0	0	0	0
AL160313.	0	0	0	0	0	0
LINC01397	0	0	0	2	0	0
LINC02308	0	0	0	2	0	2
AC091544	0	0	0	0	0	0
LINC02317	0	0	0	0	0	0
AL132989.	70	66	152	94	113	63
AL355095.	0	0	0	0	0	0
AL358334.	0	0	0	0	0	0
LINC01269	10	5	4	3	4	2

AL162464.	0	0	0	0	0	0
AL133368.	0	0	0	0	0	0
LINC02319	0	0	0	0	3	3
AC005225	4	18	29	29	1	20
AL359233.	0	0	0	0	0	0
AL139317.	0	0	0	0	0	0
AL357093.	0	0	0	0	0	0
LINC00871	0	0	0	0	0	0
LINC00638	141	27	41	103	62	43
AL137786.	21	8	17	9	15	15
AL161757.	0	0	0	0	0	0
SLC25A21	0	0	0	0	0	0
LINC01193	0	0	0	0	0	0
AL358334.	0	0	0	0	0	0
AL139193.	0	0	0	0	0	0
AL132711.	0	0	0	0	0	0
LINC02311	0	0	0	0	0	0
AC009396	0	0	0	0	0	0
AF099810.	0	0	0	0	0	0
PRC1-AS1	20	23	25	17	32	23
AL135999.	1453	755	1851	1569	1185	1147
AL355102.	15	0	2	8	6	8
ITPK1-AS1	17	7	59	36	16	10
AL356020.	63	44	113	93	34	46
LINC02328	222	100	292	252	112	188
LINC00637	2	9	4	0	0	6
AL583722.	0	0	0	0	2	0
AL121603.	279	358	447	254	249	206
AL691403.	0	2	4	3	0	4
AL117192.	0	0	3	0	0	0
LINC02301	0	2	4	0	0	6
AL132800.	5	0	3	2	0	0
AL358334.	0	0	0	0	0	3
AL356022.	0	0	0	0	0	0
AL359399.	0	0	0	0	0	0
AL110504.	55	91	115	103	59	63
AL358335.	0	0	0	0	0	0
AL357093.	3	4	0	5	0	2
AL359792.	0	0	0	0	0	0
LINC01579	0	0	0	0	0	0
AL133453.	6	0	5	3	2	0
AL355076.	75	23	50	26	65	47
AC116903	7	3	8	3	0	2
AC122685	0	0	0	0	0	0
AC107958	0	0	0	0	0	0
DIO2-AS1	0	0	0	0	0	0
AL356019.	483	238	425	412	301	445
LINC02330	0	0	0	0	0	0
AL355922.	0	0	0	0	0	0
AC087636	0	0	0	0	0	0
AL161757.	0	0	0	0	0	0
HIF1A-AS1	3	4	4	0	0	3
LINC01568	0	0	0	0	0	0
AL121694.	4	6	9	7	13	6
AL355773.	2	3	0	1	0	4
LINC01580	0	0	0	0	2	0
AL162171.	0	0	0	0	0	0
LINC00520	0	5	0	4	0	0

AL137230.	0	0	0	0	0	2
AL355102.	0	0	0	0	0	0
AL132719.	0	0	0	0	0	0
AL133153.	0	0	0	2	0	0
AL136038.	0	2	2	5	0	0
AL355103.	0	0	8	3	4	0
LINC01148	0	0	0	0	0	0
AL359237.	0	0	0	0	0	0
LINC02310	0	0	0	0	0	0
AL133371.	99	40	63	39	68	30
AL583810.	11	8	12	16	18	9
AL442663.	9	9	8	17	14	10
LINC02329	0	0	0	0	0	0
AC131532	0	0	0	0	0	0
LINC02289	16	77	62	13	10	0
AF111167.	1	19	12	8	7	0
AL122035.	66	34	61	77	64	82
AL157955.	2	0	1	0	0	0
AL079304.	0	0	0	0	0	0
AC026888	0	0	0	0	0	0
AC103996	35	16	27	19	22	16
AL133370.	5	0	0	0	0	0
AL390816.	0	0	0	0	0	0
AL133485.	3	0	11	0	2	0
AL162511.	0	0	0	0	0	0
AL139354.	0	0	0	0	0	0
AL391261.	1	0	0	0	0	5
AL450442.	0	0	0	0	0	0
AL139300.	0	0	0	3	0	2
AC021979	0	0	0	0	0	0
AL358333.	0	0	0	0	0	0
AL359397.	0	0	0	3	1	0
AL583722.	4	8	10	3	0	0
LINC02296	0	0	0	0	0	3
AL133163.	0	0	0	0	4	2
MIR381HG	0	0	0	0	0	0
AL390254.	0	0	0	0	0	0
LINC01146	81	90	130	98	120	58
AL110505.	0	0	0	0	0	0
LINC02312	3	2	22	8	6	3
AC004828	0	0	0	0	0	0
AC009396	0	0	0	0	0	0
AL135818.	264	152	262	295	96	149
TGFB3-AS	15	0	12	0	0	4
LINC02321	0	0	0	0	1	0
AL450267.	0	3	10	0	0	2
AC112693	0	0	0	0	0	0
AC005480	42	24	47	48	18	25
AL160236.	31	15	35	36	27	14
EGLN3-AS	0	0	0	0	0	0
AL049775.	0	0	0	0	0	0
AL390816.	0	0	0	0	0	0
AL157871.	87	87	199	144	88	91
AL355075.	0	0	5	0	0	0
AC091078	0	0	0	0	0	0
LINC01956	0	0	0	0	0	0
LINC02316	0	0	0	0	0	0
AL590079.	0	0	0	0	0	0

AL132712.	2	1	1	1	0	0
AL355922.	0	0	0	0	0	0
AL049836.	9	0	6	0	8	1
FOXN3-AS	28	14	50	26	6	9
AC009779	0	0	0	0	0	5
AC106028	17	38	17	26	10	12
AC002094	341	208	485	402	212	266
AL355916.	11	7	14	4	10	5
AL133467.	2	14	34	0	4	4
AL358333.	14	0	16	8	0	0
AC100836	0	0	0	0	0	0
LINC0227	0	0	0	0	0	0
AL096869.	0	0	0	0	0	0
AL162311.	5	11	0	10	8	6
AL132639.	42	12	28	22	11	8
AL358332.	0	0	0	0	0	0
AL049871.	0	0	0	0	0	0
AC004846	263	182	285	209	173	174
AL049775.	0	0	0	0	0	0
AL049870.	0	0	0	0	0	0
SALRNA1	0	0	0	0	0	0
AC107958	3	2	7	0	1	2
LINC0051	0	0	0	0	0	0
AL359317.	0	6	0	6	0	0
AL157688.	0	0	0	0	0	0
AL137129.	270	143	310	221	163	146
LINC0230	0	0	0	0	0	0
AC104002	0	0	0	0	0	0
AL133279.	0	0	0	0	0	0
AC013451	8	11	11	11	8	10
LINC0146	0	0	0	0	0	0
LINC0229	0	0	0	0	0	0
AL133523.	3	0	0	0	0	0
AL162171.	0	0	0	0	0	0
AL352979.	7	2	5	2	0	3
AL132642.	0	0	0	0	0	0
LINC0230	0	0	0	0	0	0
LINC0230	0	5	0	0	10	4
AL355075.	175747	101994	273585	173365	124843	138378
AL445363.	0	0	0	0	0	0
AC243965	3	3	14	4	0	0
LINC0228	48	10	29	14	12	14
AC005479	43	11	32	28	21	34
AC092143	4	2	3	8	10	0
AL358333.	9	4	16	8	3	0
AL355834.	0	0	0	0	0	0
AC016266	0	0	0	0	0	0
AL133163.	0	0	0	0	0	0
AL049829.	0	0	0	0	0	0
LINC0052	0	0	0	0	0	0
AL049833.	0	0	0	0	0	0
AL135746.	0	0	0	0	0	0
AL845552.	9	6	12	9	6	2
AL356804.	2	2	3	2	0	0
AL355838.	0	0	0	0	0	0
AL355102.	0	0	0	0	0	0
BX927359.	0	0	0	0	0	0
AL121820.	7	4	0	4	0	2

AL161804.	18	2	24	12	8	18
AC015722	0	0	0	0	0	0
AC244502	0	0	0	6	0	0
AL357172.	0	0	0	0	0	0
AL392023.	0	0	0	9	0	0
AL139317.	364	171	279	278	153	371
AL157871.	25	12	26	41	12	14
AL137230.	212	145	285	230	134	135
LINC02332	0	0	2	0	0	0
AL591770.	0	0	3	0	0	0
AF111169.	0	0	0	0	0	0
AL358292.	0	0	0	0	0	0
ACTN1-AS	15	2	20	10	3	15
AC005520	16	8	33	16	11	12
AL583810.	0	0	0	0	0	0
AL512310.	0	0	0	0	0	0
LINC00639	3	25	6	0	0	1
AL359397.	59	27	68	45	50	42
AL161751.	0	0	0	0	0	0
FOXN3-AS	3	0	24	8	14	6
AL049869.	0	0	0	0	0	0
AL136501.	0	0	0	0	0	0
AC074091	1325	531	1316	1030	729	1023
AF111169.	34	12	20	35	12	18
LINC02314	0	0	0	0	0	0
AL132639.	13	3	8	6	3	0
AL133467.	15	18	154	31	35	9
AL121790.	0	0	0	0	0	0
AL137779.	28	4	24	13	15	12
LINC00517	0	0	0	0	0	0
AL137191.	0	0	0	0	0	0
AC013457	2	0	0	0	0	0
AL163932.	18	8	15	3	9	16
AF107885.	0	0	0	2	0	0
PTCSC3	0	0	0	0	0	0
AC008056	0	0	0	0	0	0
LINC00911	0	0	0	0	0	0
LINC01595	0	0	0	0	0	0
LINC02304	0	0	0	0	0	0
AL079307.	0	0	0	0	0	0
AL118556.	0	0	3	0	4	0
AL357153.	171	131	297	215	152	163
AL049869.	3	2	2	8	2	0
AL139022.	10	6	14	7	7	5
AL132796.	22	23	24	21	18	16
AC103996	0	0	0	0	0	0
AC008050	0	0	0	0	0	0
LRP1-AS	0	0	3	0	0	3
AL161752.	0	0	0	0	0	0
LINC00648	0	0	0	0	0	0
AL133371.	0	0	0	0	0	0
AL161757.	2	0	0	0	0	0
LINC00924	0	0	0	0	0	0
AL445363.	0	0	0	0	0	0
AL049780.	4	3	3	3	4	0
LINC00644	0	0	0	0	0	0
AL356017.	84	54	80	30	90	80
AC005476	9	3	10	7	4	0

AL445074.	0	0	0	0	0	0
LINC00929	2	0	2	3	3	0
AC104002	0	0	0	0	0	0
AC004816	8	3	5	9	2	9
AL096869.	0	0	0	0	0	2
AL049836.	0	0	0	0	0	0
AC104002	0	0	0	0	0	0
AC090985	0	0	0	0	0	0
AC023024	27	20	19	18	19	13
AC108451	0	0	0	0	0	0
AC018946	0	0	2	0	2	0
AC023906	0	0	0	2	0	0
AC012378	0	0	0	0	0	0
AC114546	0	0	0	0	0	0
AC019254	2	14	4	3	0	0
AC090971	0	6	14	4	5	2
AC122108	0	0	0	0	0	0
AC025040	0	0	3	4	0	0
AC020891	0	1	0	0	0	0
HMBOX1-	26	15	28	25	23	21
AC020658	40	5	8	10	3	4
AC022523	0	0	0	0	0	0
AC068722	0	0	0	2	2	0
AC090971	0	0	2	0	0	3
AC012568	4	1	8	0	0	10
AC016044	0	0	0	0	0	0
AC073964	0	0	0	0	0	0
AC004943	19	16	19	18	27	14
AC013356	10	3	22	7	5	0
AC103739	0	0	0	5	4	9
AC105133	0	0	0	0	0	0
AC027237	3	0	5	6	2	4
LINC00928	0	0	0	0	0	0
AC084855	37	6	8	12	22	17
AC023905	0	0	0	0	0	0
AC027088	0	0	0	0	0	0
AC009654	0	0	0	0	0	0
LINC02345	7	8	6	3	2	11
LINC02323	0	2	2	0	0	0
ANKRD340	0	0	0	0	0	0
AC066612	0	3	0	0	0	0
LINC02490	0	0	0	0	0	0
AC092755	5	2	13	9	9	12
MIR4713H	4	2	5	3	3	0
AC020892	0	0	0	0	0	2
AC002306	0	2	4	0	5	3
AC048382	39	26	68	48	37	37
AC040918	0	0	0	0	0	0
USP3-AS1	82	48	134	135	59	98
AC018904	5	0	4	9	0	2
AC104590	0	0	3	12	3	9
AC026583	0	0	0	0	0	0
AC022405	4	3	2	6	4	0
AC073941	0	0	0	0	0	0
LINC01895	0	0	0	0	0	0
AC027088	0	0	0	0	0	0
AC073176	0	1	0	0	0	0
AC007950	2	0	0	7	0	2

AC109630	3	0	3	0	0	0
AC107241	17	7	16	10	4	7
AC087477	0	0	0	0	0	0
AC087286	4	0	4	5	4	0
AC127522	0	0	3	0	0	0
AC087878	11	0	5	6	7	15
AC018563	0	0	0	0	0	0
LINGO1-A	0	0	0	0	0	0
SPATA8-A	0	0	0	0	0	0
AC109462	4	0	0	2	0	0
LINC02349	0	0	0	0	0	0
AC025431	0	0	0	0	0	0
AC010809	83	28	82	73	47	41
LINC02206	0	0	0	0	0	0
AP001007.	0	0	0	0	0	0
ZNF710-A	687	316	807	660	401	462
LIPC-AS1	9	9	1	0	0	0
AC005096	2	6	8	0	0	3
AC020892	5	1	0	2	0	1
AC012170	3	2	3	4	4	11
AC020891	0	0	0	0	0	0
PLCB2-AS	5	7	15	5	4	3
AC021818	0	0	0	0	0	0
AC087477	0	0	0	0	0	0
AC103739	2	0	0	1	2	5
AF111167.	72	39	118	68	55	92
AC022523	0	0	0	0	0	0
AL136295.	131	85	132	66	63	74
AC090607	0	0	0	0	0	0
AC116158	246	134	261	233	164	200
AC023906	6	0	3	0	3	0
AC009432	0	0	0	0	0	0
LINC00596	12	3	3	3	2	8
AC021231	15	14	12	6	12	15
AC015660	0	0	0	0	0	0
AC025580	0	0	0	0	0	0
TMC3-AS1	220	74	225	156	104	140
AC013652	16	18	35	30	30	24
AC087482	38	9	30	30	33	27
AC011921	4	4	0	4	6	2
AC015914	0	0	0	2	0	0
AC091117	0	0	0	0	0	0
AC090515	6	0	0	0	3	0
AC025580	3	78	150	32	46	0
AC022710	0	0	8	0	0	0
AL590133.	61	20	48	41	25	34
AC012409	0	0	0	0	0	0
AC009558	0	0	0	0	0	0
LINC00927	0	0	0	0	0	0
AC046168	6	4	8	16	6	10
AC090825	305	114	343	216	72	153
AC013356	0	5	4	0	1	4
AC019254	0	0	0	0	0	0
AC108449	493	289	655	591	380	423
AC087286	4	3	18	5	3	0
AC013356	2	0	0	0	0	0
AC103740	0	0	0	4	0	2
AC087286	91	30	83	59	36	48

AC090907	3	0	7	0	0	2
AC026770	48	19	38	10	12	32
AC087473	0	0	0	0	0	0
AC012414	7	0	0	0	0	0
AC066612	2	0	0	0	2	0
AC022196	0	3	0	3	0	10
AC087516	2	0	0	0	0	0
AC087721	2	0	21	3	6	0
AC090970	26	54	143	59	49	44
AC090515	69	35	81	67	40	71
AC020704	0	0	0	0	0	0
AC021739	59	31	89	63	33	48
AC010809	47	42	69	91	39	54
BMF-AS1	6	0	5	7	2	0
AC009292	2	2	4	2	4	2
AC012291	35	27	56	33	15	29
AC021739	21	24	38	26	28	28
AC091117	0	2	0	0	3	0
AC046168	0	0	0	0	0	0
AC091100	28	1	9	18	18	8
AC113146	6	0	0	2	5	1
IRAIN	0	0	0	0	0	0
AC027237	0	0	0	0	0	0
CERS3-AS	0	0	0	0	0	0
AC023908	0	0	0	0	0	0
AC068875	0	0	0	0	0	0
AC010247	164	82	144	144	84	111
AC093334	0	0	0	0	0	2
MAPK6-D	3	0	6	8	1	1
LINC01833	0	0	0	0	0	0
AC105339	0	3	2	2	0	0
AC012414	0	0	0	0	0	0
AL161669.	0	0	0	0	0	0
AC025219	0	0	6	0	0	8
AC055874	0	0	0	0	0	0
AC013652	4	0	2	2	2	2
LINC02352	165	65	121	90	61	86
AC087286	449	225	498	392	346	311
ADNP-AS1	16	10	30	20	6	37
AC100826	0	0	0	0	0	0
MGC15885	0	0	0	0	0	0
LINC02568	0	0	0	0	0	0
AC078909	0	0	0	0	0	0
CPEB1-AS	0	0	2	2	0	2
AC020661	0	0	0	0	0	0
AC079203	0	0	0	0	0	0
AC084757	19	8	9	14	14	11
LINC01169	0	0	2	0	0	0
LINC02205	2	0	4	9	3	3
AC027228	0	2	2	1	0	0
AC036108	0	0	6	0	0	0
AC018904	6	0	8	18	43	0
AC024651	0	0	0	0	0	0
AC012404	0	0	0	0	0	0
RORA-AS2	0	0	0	0	0	0
AL355073.	13	25	26	21	32	12
LINC02253	0	0	0	0	0	0
AC023355	107	34	129	79	33	83

AC016705	0	0	0	0	0	0
TPM1-AS	2	0	7	0	8	2
AC090519	0	0	0	0	0	0
AC048383	0	0	0	0	0	0
AC026992	0	0	0	3	0	0
AL132801.	0	0	0	0	0	2
AC027243	1	0	0	0	0	0
AL117209.	4	2	2	4	0	3
LINC02169	0	0	0	0	0	0
LINC01583	0	0	0	0	0	0
AC051619	7	0	5	5	0	3
AC051619	0	0	0	0	0	12
INO80-AS	0	0	3	0	0	0
AC022613	0	0	0	0	0	0
LINC00052	0	0	0	0	0	0
AC068397	0	0	0	0	0	0
AC104574	0	0	0	0	0	0
AC009269	0	0	0	0	0	0
AC087477	0	0	0	0	0	0
AC091045	17	8	32	21	10	10
AC051619	101	26	83	63	42	96
AC027020	6	6	14	6	0	6
AP001150.	0	0	0	0	0	0
AC087477	0	0	0	0	0	0
AC060809	0	0	3	0	0	1
AC021739	0	0	5	5	2	3
AC027808	41	25	40	42	35	29
AC021483	71	17	50	42	22	13
AC048382	0	0	0	0	0	0
AC140725	0	0	0	0	0	0
AC084882	0	0	0	0	0	0
AC067863	0	0	0	0	0	0
AC020687	0	0	0	0	0	0
AC079075	0	0	2	0	0	0
AC025430	9	0	2	9	8	11
AC009554	0	2	0	0	4	6
LINC01491	0	0	0	0	0	0
AC012404	0	0	0	0	0	0
CERNA1	104	24	104	39	76	45
AC087762	0	0	0	0	0	1
AC023908	2	2	7	2	3	0
AC026523	0	0	0	0	0	0
AC015712	47	4	21	25	20	21
AC021755	0	0	0	0	1	0
AC114546	0	0	0	0	0	0
AC012050	0	0	0	0	0	0
AC073167	40	19	40	30	19	23
LINC02244	0	0	0	0	0	0
AC022898	0	0	2	0	0	0
AC023034	3	0	0	0	0	0
AC025043	3	0	6	0	0	3
AC116158	2	2	8	0	8	2
AC091073	0	0	0	0	0	0
AC016595	0	0	0	0	0	0
AC015712	0	0	0	0	0	0
AC074212	5	0	10	15	0	5
AC108449	27	10	9	25	8	10
AC023034	0	0	0	0	0	3

LINC01582	0	0	0	0	0	0
AC013391	0	0	0	0	0	0
AC104574	0	0	0	0	0	0
AC020661	2	0	0	0	0	0
AC012170	5	1	2	0	0	4
AC016987	0	0	0	0	0	0
AC069029	0	0	0	0	0	4
AC125257	1041	661	1310	1082	535	808
AC009269	0	0	0	0	0	0
AC079328	0	3	2	0	0	0
AC007000	45	16	69	72	40	35
AC104316	0	0	2	0	2	0
AC100830	104	44	68	62	48	55
AC016987	0	0	5	0	0	0
AC021351	0	0	0	0	0	0
ST20-AS1	159	336	374	191	180	160
AC022613	0	0	0	0	0	0
AC027237	0	0	0	0	0	0
AC111152	0	0	0	0	0	0
AC027808	43	30	75	41	25	39
AC068397	0	0	0	0	0	0
AC090181	113	122	198	108	89	63
AC115102	2	0	0	2	2	0
AC013452	0	0	0	0	2	0
AC009996	78	65	130	80	54	80
AC068831	33	22	29	28	10	37
AC010478	0	0	0	0	0	0
LINC02254	0	0	0	0	0	0
LINGO1-A	0	0	0	0	0	0
AC066613	0	5	4	4	2	6
AC084759	0	0	0	0	0	0
AC012379	0	0	0	0	0	0
AC087612	0	0	0	0	0	0
IQCH-AS1	268	266	541	475	303	322
AC018618	0	0	0	0	0	0
AC103982	0	0	0	0	0	0
AC066613	5	1	4	3	4	0
AC090527	0	0	1	0	3	0
AC091231	66	48	76	71	60	67
AC084756	0	0	0	4	0	1
IDH2-DT	0	0	0	0	1	0
LINC01220	15	24	23	5	7	4
AC107980	0	0	0	0	0	0
AC104041	0	0	0	0	0	18
AC136698	0	0	0	0	0	0
AC126323	0	0	0	0	0	0
AC012379	2	0	0	0	0	0
AC020891	0	0	0	0	0	0
AC024337	0	0	0	0	0	0
AC124248	17	29	30	7	15	14
AC084757	0	0	0	0	0	0
AC090607	0	0	0	0	0	0
AC023906	7	0	11	0	0	2
AC106738	0	0	0	0	0	0
AC023906	0	0	0	0	2	0
AC013391	0	0	0	2	0	0
AC022087	0	0	7	0	0	1
LINC00677	5	20	19	0	5	3

LINC02284	87	88	88	91	110	47
AC009562	0	0	0	0	0	0
AC090877	0	0	0	0	0	0
AL354993.	0	0	4	0	0	0
LINC01581	0	0	0	0	0	0
AC106738	0	0	0	0	0	0
AC103740	3	3	0	0	0	0
AC092078	0	0	0	0	0	0
AC022929	2	0	0	0	0	0
AC092757	2	0	0	3	3	0
AC012229	0	0	0	0	0	0
AC092868	15	15	22	24	15	16
CRTC3-AS	14	9	25	14	6	10
AC087516	0	0	0	0	0	0
AC009558	0	0	0	0	0	0
AC009269	0	0	0	0	0	0
AC092078	0	0	0	0	0	0
AC090907	11	6	15	6	6	7
AC100839	0	0	0	0	0	0
AC091891	0	0	0	0	0	0
AC007907	0	0	0	0	0	0
AC015660	2	0	0	0	0	0
AC078905	0	0	0	0	0	0
AC021739	2	4	5	5	7	4
LINC02157	0	0	0	0	0	0
PCSK6-AS	0	0	0	0	0	0
AC022558	61	48	90	82	43	54
AC004943	199	88	230	130	63	117
AC092756	26	4	18	13	0	23
AC012236	35	14	38	18	19	14
AC012100	0	5	0	2	0	0
AC243562	0	0	0	0	0	0
AL138976.	14	12	20	14	6	10
AC093426	0	0	0	0	0	0
LINC01922	0	0	0	0	0	0
AC009065	16	8	20	42	19	9
AC008915	37	21	45	47	28	33
LINC02259	1	0	7	0	2	0
LINC02109	0	0	0	0	0	0
AL596325.	2	2	0	0	0	2
AL096869.	0	0	0	0	0	0
AC092325	0	0	0	0	0	0
AC104758	14	3	5	2	3	3
AC013726	11	5	6	8	10	5
AC020978	54	26	50	40	27	46
AC138625	0	0	0	0	0	0
AC012640	34	10	24	22	18	14
AC027682	60	46	143	67	50	89
AC022558	0	0	5	0	0	0
AC009093	26	10	69	34	24	15
AC002519	9	5	1	43	10	17
AC138028	9	6	15	3	8	6
AC102941	0	0	0	0	0	0
AC099793	0	0	0	0	0	0
AC087565	0	0	0	0	0	0
AL606760.	2	5	2	6	6	11
AC018767	0	0	0	0	0	0
AC083843	961	298	713	661	388	698

AC018845	0	0	0	0	0	0
AC072061	131	42	63	65	28	30
AC026461	0	0	0	6	6	0
AL355596.	0	0	0	0	0	0
LINC00567	0	0	2	0	0	0
AC138625	0	0	0	0	0	0
AL365361.	5157	2622	4263	4509	2920	4203
LINC01904	0	0	0	0	0	0
Z97653.1	15	0	0	0	0	0
LINC01566	0	0	0	0	0	0
AC007610	0	2	2	0	2	4
AC092131	0	0	0	0	0	0
LINC02126	0	0	0	0	0	0
VENTXP1	0	0	0	0	0	0
AP005233.	0	0	0	0	0	0
AC007749	0	0	0	0	0	0
AC010266	0	0	0	0	0	0
AC026336	0	0	0	0	0	0
SH3RF3-A	41	2	18	23	5	9
AL390728.	990	472	963	1144	508	894
AC105411	0	0	0	1	8	0
AL163952.	6	1	2	0	6	4
AL022344.	35	49	113	59	195	23
AC024651	0	0	0	2	0	0
AC130456	0	0	0	0	0	0
AC010333	0	1	5	0	0	0
AC009113	333	77	220	158	139	123
AC126323	0	0	0	0	0	0
AC092384	14	10	18	7	0	16
EHD4-AS1	0	0	11	0	2	0
AC025259	9	11	21	7	5	3
AC068987	0	0	0	0	1	1
AC093802	0	0	0	0	0	0
AC107375	220	146	243	176	130	152
AC106820	67	14	30	65	30	42
AC010333	4	3	3	0	0	0
PWRN1	1	0	0	0	0	0
AC120045	16	0	1	1	0	0
AC004817	1	0	0	0	0	0
AC120498	0	0	0	0	0	0
AC023813	0	4	8	0	0	0
AC009063	0	0	0	0	0	0
AC017071	235	81	187	151	108	117
AC007938	7	3	1	4	2	0
AC022819	10	0	8	11	2	3
AC026461	0	0	0	0	0	0
AC130456	0	0	0	0	0	0
AC007342	245	109	314	248	159	169
AC011840	0	0	1	2	0	0
AC010601	0	0	0	0	0	0
AC051619	7	1	8	9	8	4
AC009065	2	1	2	6	4	0
AC009754	140	72	144	136	87	120
AC023158	0	0	0	0	0	0
AC022167	81	30	93	74	32	63
AC109449	95	68	110	81	52	38
AC084782	0	0	0	4	0	0
AL050341.	246	88	249	225	114	202

CDRT7	0	0	0	0	0	0
AC027682	12	6	14	12	7	14
BX005019.	0	0	0	0	0	0
LINC02124	0	0	0	0	0	0
AC009133	92	48	103	53	43	59
AL138756.	1677	729	1909	1993	1795	1222
IL21R-AS1	40	35	76	60	35	24
AC008741	0	0	0	0	0	0
AC107068	817	453	879	641	478	612
AL354712.	0	0	0	0	0	0
THSD4-AS	0	0	0	0	0	0
AC087761	15	14	4	4	8	10
AC093283	0	0	0	0	0	0
AL049838.	0	0	0	0	0	0
AC099668	16	8	11	16	8	17
AC009120	1385	647	1518	1052	779	1088
LINC00261	0	0	0	0	0	0
AC093010	8868	4872	10516	7640	5166	6832
AL121578.	0	0	0	0	0	0
AF096876.	0	0	0	0	0	0
AC017100	13	16	23	27	14	5
AC103876	4	0	3	2	5	2
AC135782	0	0	0	0	0	0
AC025287	62	20	48	26	39	50
AL353796.	183	61	124	138	73	117
AC106729	0	0	0	0	0	2
AL133279.	0	0	0	0	0	0
AC009054	42	27	71	37	30	30
AL133338.	20	24	64	66	36	15
AC018767	0	0	0	0	0	0
AC092138	0	0	0	0	0	0
AC027601	60	41	133	56	80	37
AP001527.	0	0	0	0	0	0
LINC02130	0	0	0	0	0	0
AC132938	7	7	5	14	0	6
AC010547	2	0	1	6	0	0
AC138811	7	0	8	3	2	0
AC040169	0	9	14	9	3	3
LINC01992	0	0	3	3	11	0
AC098934	0	0	0	0	0	0
AL031716.	2	0	3	2	0	0
AC009414	0	0	0	0	0	0
LINC02189	0	0	0	0	0	0
AC007608	0	0	0	0	0	0
AC076968	0	0	0	0	0	0
NORAD	25199	17157	32445	25211	30725	21326
LCMT1-AS	23	14	26	3	16	3
AC051619	8	4	2	2	4	0
AC104938	0	0	1	0	0	1
AC009090	25	17	30	26	13	12
AC007495	0	0	0	0	0	0
AC025810	0	0	0	0	0	0
AL162632.	4	0	17	6	2	13
AL031600.	18	8	26	9	13	4
AC023813	14	7	10	5	11	8
LINC01571	0	0	0	0	0	0
AC018767	0	0	0	0	0	0
AC092620	2	0	24	9	4	2

AC009088	203	256	350	310	270	126
AL512408.	62	30	52	43	20	25
AC092332	56	33	58	41	28	50
AC112176	0	0	0	3	0	0
AC006960	2	19	43	22	19	10
AC007221	0	0	0	0	0	0
AC008938	0	0	0	0	0	0
AC023824	0	0	0	0	0	0
AC104794	424	196	360	299	299	199
MIR762HG	77	26	72	55	37	35
AC126773	2	0	0	2	2	0
AC007611	6	17	15	5	10	14
AL445483.	0	0	1	2	0	3
AC092435	0	0	0	0	0	0
AC093752	7	2	3	0	0	0
AC034111	27	14	14	19	14	22
LINC00564	0	0	0	0	0	0
AC106820	2	2	4	1	0	0
AL512604.	0	0	2	2	0	0
AC008074	91	25	52	39	42	24
LINC01070	0	3	0	0	0	0
AC005606	8	6	24	17	2	4
AC026464	448	157	323	373	182	349
AC012184	17	11	24	15	7	11
AC012174	0	0	0	0	0	0
AL157700.	2	0	2	7	8	2
AC104066	0	0	0	0	0	0
AC138028	210	80	195	136	108	99
AC068987	4	0	14	4	9	2
AC013565	0	0	0	0	0	0
AGBL1-AS	0	0	0	0	0	0
AC092326	4	0	3	0	0	0
LINC00556	0	0	0	0	0	0
AL032819.	0	0	13	6	0	0
MMP2-AS	24	3	79	16	47	0
AC008915	36	10	13	15	25	11
AL132657.	0	0	1	0	0	0
AC145350	0	0	0	0	0	0
AC068135	0	0	0	0	0	0
AC023825	7	3	7	4	0	4
AC009090	0	0	0	0	0	2
AL355493.	0	0	0	0	0	3
AC020763	0	2	5	5	0	0
AC137761	0	0	0	0	0	0
AC011468	114	66	118	125	52	89
AC134312	0	0	0	0	3	0
AC012508	0	0	0	0	0	0
AC134312	10	11	14	9	12	9
AC093249	2	8	11	0	5	0
AC008269	0	0	2	0	0	0
LINC01413	17	0	5	4	4	2
AC020779	0	0	0	0	0	0
AC141586	23	24	0	35	24	24
AC126696	0	0	0	0	0	0
AL162741.	38	22	41	23	28	23
AC120498	0	0	0	0	0	1
AC108097	0	0	0	0	4	0
AC009097	0	0	0	0	0	0

LINC02137	2	2	2	2	0	3
AC002464	7	2	8	7	9	12
AL807752.	15	7	20	27	7	4
LINC02240	4	0	4	7	16	4
AL138781.	52	35	35	56	33	32
AC007496	8	0	2	0	0	1
AC124798	88	34	72	117	52	58
AC010889	453	0	291	276	216	0
AC009102	33	25	48	43	32	17
AC141273	0	0	0	0	0	0
AL109954.	0	0	0	0	0	0
AL157831.	0	0	0	0	0	0
AC105020	0	1	0	0	0	2
AP000842.	38	2	17	3	6	12
AC092718	5	2	0	4	2	2
AC104640	0	0	0	0	0	0
AC106782	19	16	37	21	27	10
AC099511	0	0	0	0	0	0
AC009119	44	17	56	44	40	30
KDM7A-D	239	95	277	169	193	59
PWRN4	0	0	0	0	0	0
SSSCA1-A	105	124	223	81	82	108
AC105020	0	0	0	0	0	0
AC099778	85	29	67	26	16	24
AC092130	0	0	0	0	0	0
LINC02533	0	0	0	0	0	0
AC091489	0	0	0	0	0	0
AC104083	295	264	260	198	599	188
AC000032	9	0	0	0	0	6
AC007608	46	24	42	26	40	12
AC009087	0	0	5	0	0	0
AC084262	0	0	0	0	0	0
AP000997.	0	0	0	0	0	0
AP001063.	8	0	9	8	15	14
AL035071.	863	574	1002	929	666	785
LINC02166	2	6	10	6	4	0
SNHG19	72	42	74	53	38	52
AC139887	0	1	2	2	1	0
LINC2194	3	0	3	6	0	0
LINC02562	0	8	0	0	0	31
AC026471	965	437	987	662	645	554
LINC00919	0	0	0	0	0	0
AC105036	249	91	301	267	133	181
AL132996.	28	0	8	13	5	14
AL359711.	9	18	27	16	8	8
AC068338	96	43	94	70	36	61
AC022167	1054	462	1277	1086	645	894
AC009019	0	0	0	0	0	0
AC098818	10	9	6	1	6	8
AC137932	61	29	95	72	39	31
SLX1B-SUI	1531	1240	1631	1891	1310	1433
ITFG1-AS1	0	0	0	0	2	0
AL133367.	141	80	131	114	68	90
AC019294	7	0	0	12	0	0
AC093515	0	0	0	0	0	0
AC106820	74	97	209	128	53	99
AC095057	367	118	237	242	105	214
AP005482.	35	31	104	111	34	27

AC108206	0	6	0	6	8	0
AC009088	10	15	17	15	5	5
NTRK3-AS	0	0	0	0	0	0
AC092375	308	90	203	175	73	311
AC027277	0	0	0	0	0	0
AC138907	0	0	0	0	0	0
AC140658	0	0	0	0	0	0
AL008727.	212	79	195	195	144	132
AC009812	60	30	69	70	47	32
AC098657	0	0	0	0	0	0
AC104024	0	0	0	0	0	0
AC007541	60	19	61	32	19	40
AC079148	10	13	15	13	15	13
AC091544	2	1	10	2	1	3
LINC0157(	0	0	0	0	0	0
HEXA-AS1	44	13	36	23	7	16
LINC02176	2	3	0	0	0	2
LINC01043	0	0	0	0	0	0
AC009052	32	19	51	42	16	39
AP007216.	0	0	0	0	0	0
AC087190	8	15	20	9	17	9
AC012173	26	15	25	22	18	32
AC024270	1	1	1	1	0	1
AC092287	7	6	7	7	2	2
AL353708.	5	7	15	12	8	6
AC106028	65	44	105	44	33	49
AC007218	0	0	0	0	0	0
AC009055	0	0	0	0	0	0
AC026803	25	29	25	24	20	16
AC109460	32	8	25	9	8	18
AC027373	124	30	50	54	38	64
AC120024	9	6	13	9	5	22
AC215217	0	0	0	0	0	0
AQP4-AS1	0	0	0	2	0	0
AC083801	0	0	0	0	0	0
AC109597	8	13	12	8	5	0
AC007610	0	0	0	0	0	0
AL356961.	0	0	0	0	0	0
AC009108	0	0	0	0	0	0
LINC00562	327	94	248	251	178	202
AL360014.	0	0	0	0	0	0
AC022336	0	2	10	7	3	2
AC090518	22	8	7	12	5	11
AC026462	0	0	0	0	0	0
Z92544.1	4	2	0	0	0	2
AC068700	275	122	206	110	106	138
AL513534.	174	77	133	138	75	161
AP002761.	281	180	441	326	510	239
AC133485	0	0	0	0	0	0
AC120498	0	0	0	0	0	0
AC009852	0	0	0	0	0	0
AC012414	58	28	75	53	33	17
AL353746.	22	6	18	167	26	94
AL096828.	0	0	0	0	0	0
AC092127	1120	870	1927	1620	1044	844
AL023284.	0	1	0	0	0	2
AC138869	0	0	0	0	0	0
LINC02182	0	0	0	0	5	0

Z97205.2	0	0	0	0	6	0
LINC02367	10	14	29	33	18	2
AL031709.	28	22	26	34	19	25
AC008060	0	0	0	0	0	0
AC099518	6	2	0	0	0	2
LINC01917	0	0	0	0	0	0
AC093525	0	0	0	6	1	1
LMF1-AS1	4	0	7	1	8	0
LINC01544	0	0	0	0	0	0
AC020978	0	0	0	3	4	1
ATP2A1-A	0	0	12	4	0	1
AC009065	0	0	0	0	2	0
LCMT1-AS	29	16	44	40	27	34
LINC02134	0	0	0	0	0	0
AL355607.	0	0	0	0	0	0
NBAT1	0	0	0	0	0	0
AC027458	0	0	0	0	0	0
AL365181.	4	1	0	0	0	0
AL133355.	661	231	558	612	285	588
AL049796.	54	17	32	56	16	17
AC018557	17	3	39	7	10	16
AC126696	0	0	0	0	0	0
AC018552	0	3	9	0	0	0
LINC01290	0	0	0	0	0	0
INSYN1-A	0	0	0	0	0	0
AC023794	72	26	28	73	15	72
AC068987	43	10	22	28	5	26
AL353719.	10	12	48	7	16	0
AC104794	0	0	0	0	0	0
LINC01584	0	0	0	0	0	0
AC007333	0	0	0	0	0	0
AC009145	29	10	45	40	18	12
AC008870	752	296	636	735	504	603
AC131902	0	0	0	0	0	0
AC116348	3	5	13	7	3	6
AC007216	2	0	0	0	0	2
CISTR	0	0	0	0	0	0
AC011773	13	9	0	28	10	5
AC009148	64	16	19	28	15	5
AC009041	69	28	46	38	12	52
AC126696	0	0	0	0	2	0
AC010336	14	3	7	2	6	7
AC010551	0	0	0	0	0	0
AC096644	0	0	0	0	0	0
AC133919	8	0	9	5	2	0
AL590787.	8	2	10	0	0	0
AC004381	11	7	6	4	4	8
AC009145	12	10	25	15	13	15
AC034229	4	0	0	2	1	3
AC009093	1014	431	1189	1065	958	594
AC096734	14	7	3	12	0	5
AC010547	0	0	0	0	0	0
AC109347	44	11	24	36	17	16
FAM157C	2941	2955	4915	1723	1887	1200
AC010551	0	0	0	0	0	0
AL031598.	0	0	0	0	0	0
AC100827	1006	410	782	895	645	681
AL035071.	0	0	0	0	0	0

AL031722.	0	0	0	0	0	0
AL499627.	0	0	0	0	0	0
AC026771	0	0	2	0	0	0
AC136618	0	0	1	0	0	0
PWRN2	0	0	0	0	0	0
AC023043	0	1	0	0	0	0
AC092681	0	0	4	7	3	0
AC018557	0	0	0	1	0	13
AC132872	216	195	175	188	123	109
AL161912.	7	4	2	0	2	0
ERVK13-1	4397	1614	3435	3214	2111	2418
AC127459	253	151	284	353	253	184
AC074050	0	0	0	0	0	0
AC090398	0	0	0	0	0	0
AC133550	9	5	14	10	3	2
AC069224	54	22	23	35	20	41
AC007493	0	0	0	0	0	0
AL360157.	0	0	0	0	0	0
AC133485	0	0	0	0	0	0
AC126773	0	0	0	0	0	0
AC110597	8	0	0	2	0	0
AC024270	5	6	0	4	8	0
AC009035	0	0	0	0	0	0
AC011374	0	0	2	3	4	0
LINC00515	30	3	19	6	4	11
AL359851.	2	4	4	2	4	9
AC064799	0	0	0	0	0	0
AC027702	2	1	4	0	6	6
STAM-AS1	22	5	28	10	12	16
AC130456	2	0	7	0	0	0
AC009097	0	4	0	0	0	0
AC099313	0	0	0	0	0	0
AC012531	2	0	0	0	0	5
AC011467	0	0	0	0	3	0
AC092125	0	0	1	0	0	0
AC131391	145	76	219	130	126	87
AC133539	0	0	0	0	0	0
AL590004.	0	3	11	4	7	1
AC027688	0	0	0	0	0	0
AC024270	4	0	0	0	0	1
AC106785	0	0	0	0	0	0
AC009097	2	0	2	0	0	0
Z98885.2	16	4	12	4	5	6
AC007728	1	0	4	0	0	0
AC138028	5	0	4	3	4	0
AC025917	2	0	13	0	3	2
AC068870	23	3	12	8	8	21
AC027688	0	0	0	0	0	0
AC092140	0	0	3	0	0	0
AC018943	0	0	0	0	0	1
AC026471	22	6	18	40	17	19
AC136944	0	0	0	0	0	0
BGLT3	0	0	0	0	0	0
SNAI3-AS1	339	184	341	423	293	293
AC010207	0	0	0	0	0	0
AC012508	0	0	0	0	0	5
AC092338	0	0	4	0	2	0
AP003115.	0	0	0	2	0	0

AC114811	50	18	31	26	14	14
AC139426	0	0	0	0	0	0
AL359715.	104	24	95	78	52	61
AL031705.	13	4	6	7	2	2
AC127537	41	19	45	22	24	31
AC020658	0	4	3	0	2	3
AC010542	10	4	5	5	0	11
AF213884.	0	6	8	4	3	0
AC237221	0	0	0	0	0	0
AC107871	8	4	4	8	3	5
AC138305	0	0	0	0	0	0
AC009113	3	3	0	2	0	2
AC116903	11	5	13	9	31	0
AC004158	1	0	0	0	0	4
AL096870.	1323	631	1657	1412	856	959
AC134508	2	0	0	0	0	0
AC010536	29	53	60	113	71	60
AC100827	107	66	106	137	64	60
AL034376.	0	0	0	0	0	0
LINC01541	0	0	0	0	0	0
AL445531.	0	0	0	0	0	0
AP007216.	0	0	0	0	0	0
AC130456	0	0	0	0	0	0
AL591643.	0	0	0	0	0	0
AC008669	944	236	440	449	295	493
AC026150	30	20	31	132	23	22
AC009145	3	0	3	0	0	0
AC022164	4	2	0	0	0	1
AL591848.	196	75	135	119	123	133
AC025284	0	0	0	0	0	0
LINC00543	0	0	0	0	0	0
AC022166	0	0	0	0	0	0
AL118516.	8	20	19	17	4	10
AC120498	0	0	0	0	0	0
AL121839.	2619	1020	2193	2648	1262	2495
AC093536	0	0	0	0	0	0
AC009133	277	182	368	254	157	256
LINC01243	0	0	0	0	0	0
AF067845.	0	0	0	0	0	0
AC007598	70	40	78	68	44	44
AC005307	0	5	0	11	6	1
AC046158	0	0	0	0	0	0
LINC01227	4	0	1	0	2	6
LINC00554	0	0	0	0	0	0
AC010760	0	0	0	0	0	0
AC026471	6	0	10	6	2	3
AC099482	0	0	0	0	0	0
AC009962	96	57	113	85	149	90
AC007823	50	19	38	29	23	13
AC007494	4	2	3	0	0	0
AC092720	2	4	5	8	2	6
AC008870	155	80	164	245	152	137
AC010542	5	0	15	4	7	7
AC131649	0	0	0	0	0	0
AC093520	8	4	35	6	0	29
AP001120.	0	0	0	0	0	0
PWRN3	0	0	2	0	4	0
AC106754	0	0	0	0	0	0

AC106799	0	0	0	0	0	0
AL138918.	0	0	0	0	0	0
AC012321	1689	959	1807	1560	1224	1355
AC055855	10	5	5	6	0	7
AC021087	192	43	126	147	75	86
AC061975	0	0	0	2	0	0
AC009065	38	16	35	39	36	8
AP001180.	0	0	0	0	0	0
AC087463	0	0	0	0	0	0
CASC17	0	0	0	0	0	0
AC108099	0	0	0	0	0	0
AC009063	3	0	1	0	1	0
AC092338	8	0	4	6	6	3
LINC0228(	12	13	25	5	60	14
AC003102	440	178	331	331	200	280
AC145285	17	9	25	15	0	13
AC099314	0	0	0	0	0	0
Z84723.1	93	60	130	76	53	71
LINC01963	1390	379	901	805	361	722
AC092803	32	20	34	16	38	16
AL163051.	6	2	14	12	12	21
AC009041	225	67	159	150	84	46
AP003096.	15	4	13	9	3	4
AL135818.	70	20	81	85	35	25
AC073657	0	0	0	0	0	0
AC027279	585	257	564	500	248	370
AC004656	3655	1832	3253	3557	2296	2843
AC026461	0	0	0	0	4	0
AC138869	0	0	0	0	0	0
AL135744.	0	2	0	3	0	0
AC125793	0	0	0	0	0	0
AC009055	0	0	0	0	0	0
AC007223	0	0	0	0	0	0
AC022893	0	0	0	0	0	0
LINC01964	0	0	0	0	0	0
AC138907	0	0	0	0	0	0
AC133485	0	0	0	0	0	0
AC092114	0	0	0	0	0	0
AC007344	0	0	0	0	0	0
FBXL19-AS	270	116	268	227	172	141
AC109460	11	0	16	15	0	2
LINC02184	0	0	0	0	0	0
AL591848.	250	103	183	158	86	245
AC018558	0	0	0	0	0	0
AC010551	0	0	0	0	0	0
AC025280	4	3	10	5	4	4
AC099506	0	0	0	0	0	0
AC009107	0	0	0	0	0	0
LINC01960	10	6	13	7	0	0
AC093510	5	2	4	8	6	2
AC106820	14	4	14	19	7	6
LINC01229	2	2	5	2	0	0
AP005233.	0	0	0	0	3	0
AC104072	0	0	0	0	0	0
AL359258.	0	0	28	0	0	0
HCCAT5	0	0	2	2	0	0
AC009120	6	0	13	5	9	7
TAT-AS1	2	2	9	2	2	3

CASC22	0	0	0	0	0	0
AC020978	8	0	3	2	0	0
AC105020	10	5	12	19	4	9
AC027682	0	0	0	0	0	0
AP003071.	21	17	38	23	25	8
ARLNC1	0	4	0	9	3	3
ADPGK-AS	41	72	182	72	69	51
AC106886	332	178	486	347	174	259
LINC02011	0	0	0	0	0	0
AC009021	0	4	5	5	0	5
AC015818	0	0	3	0	0	2
LINC00565	216	105	314	254	109	107
AC135050	56	46	70	51	21	30
AL158206.	254	173	277	231	317	261
LINC01254	0	0	0	0	0	0
AL158212.	1301	655	1391	1276	918	980
AC107398	0	0	4	2	0	0
AC100835	6	5	13	11	9	9
AL031985.	202	81	112	148	104	129
AC142086	0	0	0	0	0	0
AC009139	3	0	0	0	0	0
LINC02193	20	21	66	43	36	46
LINC01311	92	52	82	60	77	42
AC016134	0	0	0	0	0	0
AC009107	6	3	9	9	0	14
LINC01416	0	0	0	0	0	0
AC009119	3	4	2	0	2	1
AC130456	4	3	0	0	0	0
AC025272	0	0	0	0	0	0
LINC00622	39	42	148	18	23	55
CAPN10-D	279	81	236	222	208	240
LINC02555	29	30	22	8	2	7
FOXC2-AS	0	0	0	0	0	0
AC109495	0	0	0	0	0	0
AL356489.	57	46	101	100	27	64
AL390195.	453	180	330	370	252	316
AP006545.	57	21	58	34	55	42
AC003985	0	0	0	0	0	0
AC009093	9	0	18	5	4	0
AL133297.	7	0	7	8	7	1
AC100821	41	7	27	41	14	18
AC126323	0	0	0	0	0	0
AC023824	0	0	0	0	0	0
AC087463	0	0	0	0	0	0
LINC00557	0	0	0	0	0	0
AC026462	0	0	0	0	0	0
AP001486.	734	292	626	615	417	532
WWOX-AS	0	0	3	0	0	0
AC006288	0	0	0	0	0	0
AC119674	1	0	2	8	12	0
Z98259.1	0	0	0	0	0	0
AC009021	72	21	31	41	20	74
AC138907	0	0	0	0	0	0
AC007333	0	0	0	0	0	0
LINC01633	0	0	0	0	0	0
AC126407	0	0	0	0	0	0
AC022167	5	5	17	6	5	2
AC091932	0	0	0	0	0	0

AC010528	0	0	0	0	0	0
AC126335	0	0	0	0	0	0
AC090260	22	14	20	6	17	10
AL133297.	0	0	0	0	0	0
Z94057.1	0	0	0	0	0	0
DOCK9-D	26	19	26	24	13	25
AL512634.	0	0	0	0	0	0
BX255925.	9	0	2	0	0	0
AC004847	914	479	1544	1141	758	885
AC009137	4	0	0	0	0	0
AC244034	58	42	78	81	61	76
AC036103	4	0	0	0	0	0
AL008628.	125	32	22	121	44	67
LINC01572	92	73	117	39	41	91
AC141257	0	0	0	0	0	0
AC115619	0	0	0	0	0	0
LINC02165	0	0	0	0	0	0
AC002101	0	0	0	0	0	0
AC010132	94	35	81	67	63	91
AC132825	0	0	2	0	0	0
AL445471.	3	0	5	0	1	2
AC105046	137	1090	846	154	71	3
AC012322	0	0	0	0	0	0
AC138304	0	0	0	0	0	0
AC079171	14	3	6	7	2	4
AC005730	2	0	0	1	0	1
AL139348.	0	0	0	0	0	0
AC113418	0	0	0	0	0	0
AC010266	0	0	0	0	0	0
AL133457.	0	0	0	0	0	0
LINC02544	0	0	0	0	0	0
AC019294	5	7	2	2	5	8
AP006547.	0	0	0	0	0	0
LINC02129	0	0	0	0	0	0
AC007347	0	0	2	0	0	0
AC107021	2	2	8	2	4	0
AC036108	0	0	22	0	6	4
AL450468.	5	38	36	5	21	7
LINC00555	2	0	0	0	0	0
AC099508	0	0	0	0	0	0
AL160286.	0	0	0	0	0	0
AC092718	22	14	15	40	8	7
AC009139	7	0	17	11	0	4
LINC02256	117	61	129	156	86	72
AL592146.	5	3	0	6	2	4
AC074052	0	0	0	0	0	0
AC109460	3664	2126	4454	3470	2581	2508
AL512274.	6	0	3	0	0	0
AC124312	400	229	467	440	188	2
AP003071.	2	0	0	0	0	0
AL441883.	40	17	43	57	18	14
LINC01195	0	0	0	0	0	0
AC016396	0	0	0	0	0	0
AC009118	0	0	0	0	0	0
AC009053	23	21	34	30	9	31
RUNX2-AS	2	0	4	0	0	0
LINC01228	0	0	0	0	0	0
LINC02516	0	0	0	7	3	3

AP003469.	322	91	235	185	119	261
AC127459	0	0	0	0	0	0
LINC02178	0	0	0	0	0	0
AC141586	39	40	95	25	16	42
AC007066	162	102	223	162	119	68
AC136285	0	0	0	0	0	0
AC073476	164	56	124	80	76	85
LINC00563	143	8	46	28	20	30
AP000766.	1771	781	1290	1515	653	873
AC234775	125	97	252	145	110	108
AC009063	0	0	0	0	0	0
AC093904	0	0	0	0	0	0
LMO7-AS1	0	0	1	0	0	0
AC009034	0	0	3	3	0	0
AC012181	769	437	366	658	687	395
AL049555.	0	0	0	0	0	0
AC009486	1	0	0	5	0	0
AC092123	19	4	6	11	7	13
AL133299.	0	0	0	0	0	0
LINC02473	0	0	0	0	0	0
LINC02167	0	0	0	0	0	0
AC009065	45	16	42	44	35	36
AC135050	0	0	0	2	0	0
RBFADN	86	43	110	81	76	59
AC106871	0	0	0	0	0	0
AC012186	90	47	93	106	80	91
AL137802.	6	3	6	15	5	0
AC023908	218	48	114	99	87	97
AC093525	35	22	38	0	16	29
AC092718	4	0	0	0	2	2
AC007159	0	0	0	0	0	0
LINC02131	0	0	0	0	0	0
LINC01989	0	0	0	0	0	0
AC109597	10	15	10	7	7	4
AC112484	21	14	40	21	6	16
AC009154	0	0	0	0	0	0
AC073429	0	0	0	0	0	0
AC107027	627	166	237	396	205	323
AL592424.	20	14	7	19	5	14
AC009053	0	0	0	0	0	0
AC133919	0	5	6	3	0	0
AC018845	45	10	36	17	14	28
LINC02188	0	0	0	0	0	0
AC135012	0	0	0	0	0	0
AL596211.	0	0	0	0	0	0
SPINT1-AS	3	6	5	0	0	3
AC083864	0	0	0	0	0	0
LINC01238	31	6	4	12	9	3
AC079322	62	19	59	42	29	42
Z95115.1	29	11	23	22	14	27
AL031058.	0	0	0	0	0	0
C16orf97	0	0	0	0	0	0
AC013640	0	0	6	0	0	0
AC134312	0	2	2	3	2	5
LINC01898	0	0	0	0	0	0
AC027130	0	0	0	0	0	0
AC005774	0	0	0	0	0	0
AC136944	0	0	1	0	0	1

Z83847.1	16	7	4	3	2	10
AC004449	0	0	1	0	0	0
LINC00561	0	0	0	0	0	0
AL031717.	11	5	7	8	2	0
AL031123.	27	12	42	13	31	14
AC234778	6	3	7	6	6	11
AC099786	0	0	0	0	0	0
AL162231.	46	8	41	29	31	21
AC007216	3	0	2	0	3	0
AC099524	77	85	155	46	50	65
AC090651	53	53	42	89	48	24
AC103706	136	56	128	188	94	70
AC064805	290	132	176	228	220	214
AC092384	360	227	565	354	380	303
AC140912	0	0	0	0	0	0
AC021483	102	46	115	45	39	42
LINC02133	7	0	0	0	2	3
AC092142	4	14	3	2	0	13
AC009166	0	0	0	0	0	0
AC009065	0	0	3	0	0	0
LINC02128	0	0	0	0	2	0
AL136038.	15	8	5	20	0	8
AC022165	4	0	1	0	0	0
AC104758	0	0	0	0	0	0
AC009120	0	0	0	0	0	0
LINC01751	0	0	0	0	0	0
AL160286.	0	0	0	0	0	0
Z97055.2	17	5	21	25	15	19
AC137932	44	48	99	61	159	26
AP000821.	0	0	0	0	0	0
AC106736	0	0	0	0	0	0
AC026462	0	0	0	0	0	0
AC025271	0	0	0	0	0	0
AC008870	0	0	0	0	0	0
AC026470	0	0	0	1	0	0
AC112236	4	0	4	0	0	0
AC093278	132	90	125	108	105	96
AC012181	193	137	880	184	199	114
AC138512	0	0	0	0	0	0
AC092447	0	3	0	0	0	0
AP003071.	0	0	0	0	0	0
AC009117	0	0	0	0	0	0
ATP2C2-A	107	50	114	63	52	92
AC093525	27	25	66	52	27	27
AC007906	51	42	53	45	39	47
AC110491	0	0	0	0	0	0
AC007601	7	2	0	0	0	0
AC120498	3	2	7	5	0	0
AC126323	0	0	0	0	0	0
AC122134	0	0	0	0	0	0
AC106779	0	2	0	5	0	0
LINC02252	0	0	0	0	0	0
AC005586	36	13	12	35	8	6
AC102797	0	2	0	0	0	0
AC009081	0	0	0	0	0	0
AC002550	42	12	35	30	26	24
AC105430	0	0	0	0	0	0
AC105275	1	12	2	3	0	11

LINC01834	0	0	0	0	0	0
AC055855	8	0	1	6	0	0
LINC02152	0	0	0	0	0	0
AC009061	6	5	3	2	1	3
AC010168	1362	543	1260	962	699	950
LINC02192	0	0	0	0	0	0
LINC01355	1605	303	639	602	385	1029
AC134312	26	11	14	31	13	17
AC016597	1	0	7	1	0	0
AC116348	14	6	14	28	0	0
AL353803.	5	3	8	10	4	14
AC005837	16	0	33	22	6	18
AC021016	501	293	689	631	310	466
LINC01616	0	0	0	0	0	0
AC006538	2	2	18	22	13	16
AC116348	7	5	8	3	0	2
AP000439.	0	0	0	0	0	0
LINC02136	0	0	0	0	0	0
AC018558	0	0	0	0	0	0
AC116913	226	104	204	189	137	166
AC099518	0	0	0	0	0	0
PYCARD-A	89	47	100	77	34	40
AC010491	46	8	9	19	7	16
AC106745	0	0	0	0	0	0
AC063923	0	0	0	0	0	0
MANEA-D	422	125	259	309	249	342
AC012645	4	7	3	0	1	0
AL731537.	0	0	0	0	0	0
AC007533	7	2	5	3	0	0
VPS9D1-A	129	48	100	78	35	29
AC022166	0	0	0	0	0	0
AC010735	14	0	3	3	4	12
AC091962	0	0	0	0	0	0
AC023300	0	0	0	0	0	0
AC009088	14	7	16	8	9	14
AC027682	29	33	71	30	14	31
MAFTRR	6	5	21	13	8	2
AC087190	0	0	0	0	0	0
AC007493	3	0	4	0	0	0
AC007598	3	0	6	0	0	0
AC027682	21	10	22	15	12	11
LINC01177	0	0	0	0	0	0
AC023824	0	0	0	0	0	0
AL031710.	0	0	3	0	3	0
AC011525	0	0	0	0	0	0
AL591222.	6	0	0	0	0	0
AC104758	0	0	0	0	0	0
AC138627	6	10	3	5	7	2
AC013565	4	6	6	0	0	0
AL035425.	0	0	0	0	0	0
AC009142	0	0	0	0	0	0
AL161938.	0	0	0	3	0	0
AC012645	62	19	59	36	16	31
AL022069.	30	11	15	26	2	19
AC044798	0	0	0	0	0	0
TMEM202	145	100	224	160	75	103
AC144833	0	0	0	0	0	0
AC099518	96	35	92	61	48	52

AC097461	570	251	395	372	262	466
AL031600.	20	19	32	23	15	14
AL023803.	1	0	0	7	0	0
LINC01613	0	0	0	0	0	0
AC002347	39	7	24	17	6	22
AC021087	0	0	2	0	0	0
AL592164.	7	5	11	4	2	12
AC018554	0	0	0	0	0	0
AC108860	0	0	0	0	0	0
AL157394.	249	105	183	151	173	243
DKFZP434	0	0	1	0	0	2
AC124068	5	0	0	5	3	0
AC023830	10	6	22	3	0	4
AC018558	0	0	0	0	0	0
LINC00559	0	0	0	0	0	0
AL162412.	0	0	0	0	0	0
AC109446	17	15	33	18	10	10
AC103724	12	6	23	22	12	12
AC104964	456	174	537	242	249	424
LINC01735	0	0	0	0	0	0
LINC01003	134	134	321	241	254	138
AC009690	16	15	42	9	4	6
AC004023	0	0	0	0	2	0
AC099518	3	1	0	1	0	0
AC136944	0	0	0	0	0	0
AC099398	0	0	0	0	0	0
AC096921	1619	802	946	1111	691	938
AC020978	0	1	0	2	0	2
AC009039	0	0	0	0	0	0
AC092145	76	129	186	54	30	48
AC084064	0	0	0	0	0	0
AC026471	105	42	106	87	70	69
LINC02190	0	0	0	0	0	0
AC009163	75	107	187	137	84	115
AC013391	0	0	0	0	0	0
GOLGA8M	12	4	2	2	5	2
AC022167	0	2	0	0	3	2
AC092725	0	0	0	0	0	0
PAN3-AS1	171	82	133	97	94	97
AC135048	461	297	671	406	269	305
TBILA	37	0	11	15	24	14
AC025271	0	0	0	0	0	0
AC005674	1898	1241	1873	2068	933	1704
LINC00566	0	0	0	0	0	0
AC079341	0	0	0	0	0	0
AC040174	0	0	0	0	0	0
LINC01686	4	15	4	0	12	2
AL031714.	32	39	100	84	62	57
AC141257	0	0	0	0	0	0
AC092368	710	410	782	627	403	471
AC009097	2	2	0	0	0	0
LINC01976	0	4	0	0	2	0
LINC00558	0	0	0	0	0	0
AC010542	20	6	5	0	6	7
DLGAP1-A	0	0	0	4	0	0
AC009167	0	0	0	0	0	0
AC012615	351	178	404	503	285	259
AC100774	433	214	391	369	242	307

AC009065	19	12	21	19	16	15
AL596244.	98	69	122	114	57	69
AC005086	0	3	12	5	0	6
AC027279	57	26	48	48	31	22
AC096996	0	0	0	0	0	0
AC079414	0	0	0	0	0	0
AC138915	0	0	0	0	0	0
AC011978	271	175	201	175	186	131
AC010931	0	0	0	0	0	0
AC011939	228	196	400	328	181	222
AC135782	50	11	30	41	12	22
AC109460	32	5	24	23	22	17
AL137782.	854	455	981	872	483	625
AC025277	0	0	0	0	0	0
LINC01859	6	0	0	0	0	0
AC007216	231	181	368	276	251	172
AC135776	0	0	0	0	0	0
AL359694.	0	3	0	3	0	0
AC138907	0	0	0	0	0	0
AC073878	2	1	0	5	0	3
AC097639	0	0	0	0	0	0
AL157402.	8	10	9	4	1	2
AP003119.	0	0	0	0	0	0
AC012317	0	0	0	0	0	0
AL513548.	126	61	63	58	80	108
AC068987	12	10	10	5	6	9
AC010531	0	0	6	0	0	0
AL603832.	0	0	0	0	0	0
AC005632	317	298	682	441	368	422
AC087463	0	0	0	0	0	0
AC233266	0	0	0	0	0	0
AC092115	13	7	14	15	13	8
AC114947	12	2	17	0	3	5
AC091230	46	9	38	41	8	14
AP000265.	5	4	11	12	2	7
AC093525	117	42	93	64	68	100
LINC01858	0	0	0	0	0	0
AC036108	4	22	90	18	10	3
LINC02177	0	0	0	0	0	0
AC083837	114	30	84	31	88	59
AC087463	0	0	0	0	0	0
AC021439	0	0	0	0	0	0
LINC02179	0	2	10	2	2	0
AP003071.	0	0	0	0	0	0
AP005205.	0	0	0	0	0	0
AC005692	0	0	0	0	0	0
AC007496	0	0	13	6	4	0
AC022872	0	0	0	0	0	0
AC018552	0	0	0	2	0	0
AC026992	0	0	0	0	0	0
LINC02191	0	0	0	0	0	0
LINC02127	0	0	0	0	0	0
AC092378	0	0	0	0	0	0
AL031600.	66	46	117	57	49	42
AL713866.	0	0	2	0	0	0
AC007728	373	250	547	413	350	262
DISC1FP1	21	11	33	34	7	8
AC093849	0	0	0	0	0	0

AC106730	0	0	0	0	0	0
AC055717	0	0	0	0	0	0
AC136285	0	0	0	0	0	0
AC092337	0	0	0	0	0	0
AL360270.	214	89	157	174	114	136
AC100803	39	3	11	13	18	13
BEAN1-AS	30	64	28	25	43	37
Z92544.2	302	162	335	258	152	196
AL359752.	411	214	363	436	399	231
AC009065	7	4	8	6	2	13
TTC39A-A	2	0	0	2	0	0
LINC00560	2	0	0	6	0	0
AC093591	76	13	26	28	15	47
AC008731	3	3	2	1	0	4
AC012213	26	16	16	12	16	14
AL158211.	12	1	6	3	6	5
AC009075	5	2	0	0	0	1
AL022313.	0	0	0	0	0	0
AC145350	0	0	0	0	0	0
LINC00838	0	0	0	0	0	0
AC018362	108	53	124	75	77	81
AC068724	21	36	27	31	23	14
Z97986.1	25	12	32	19	16	16
AC092120	75	82	193	108	95	76
AC134682	38	16	30	23	13	14
AC136443	0	0	0	0	0	0
AL353732.	0	0	0	0	0	0
AC010531	16	14	27	15	16	12
LINC02168	11	5	2	5	3	4
LINC00165	0	0	0	0	0	0
AC092134	0	0	0	0	0	0
AC104417	0	0	0	0	0	0
SSTR5-AS1	0	0	0	0	0	0
LINC01477	0	0	0	0	0	0
AC009041	0	0	0	0	0	0
AC092376	0	0	0	3	0	3
AC008870	1	0	0	0	0	0
AL138690.	0	0	0	0	0	2
AL133383.	0	0	0	0	0	2
AL034346.	0	0	0	0	0	0
AC074050	4	6	11	3	0	7
AC116096	70	16	157	43	58	63
AC002551	37	27	71	37	57	35
AL049597.	26	28	60	45	48	25
MIR3976H	0	0	0	0	0	0
LINC00922	0	0	0	0	0	0
AC138305	0	0	0	0	0	0
AC116552	5	5	18	17	8	1
AL512347.	0	9	0	0	0	0
LINC02180	0	0	0	0	0	0
AC007603	0	0	0	0	0	0
AC008555	291	201	247	256	192	143
AC005592	0	0	0	0	0	0
AC117382	35	31	23	21	9	11
AC099518	7	0	4	0	0	0
AL136537.	0	0	0	0	0	0
AC027228	0	0	0	0	0	0
AC110716	0	0	0	0	0	0

AC009127	6	8	8	17	6	8
AC133550	19	11	25	39	7	19
AC006504	210	98	162	186	126	115
DNAAF4-(	4333	3713	5840	3996	3478	3228
AC244090	13	3	10	23	11	14
AC012435	29	16	24	22	18	13
AC012184	27	7	42	23	28	19
AC113208	0	0	7	5	0	3
LINC02582	0	0	0	0	0	0
LINC01654	0	0	0	0	0	0
AC009054	70	54	114	65	56	75
AC006058	51	15	36	6	22	28
AC023830	0	0	2	0	0	0
AC005606	5	5	5	0	5	3
AC093627	0	7	12	2	4	4
AC073878	0	0	0	0	0	0
AL033527.	14	7	9	16	10	5
AC007406	2392	973	1795	1841	1025	1507
AC023824	0	0	0	0	0	0
LOXL1-AS	20	143	273	240	146	161
AC026470	0	0	0	0	0	0
LINC02140	0	0	0	0	0	0
AC007342	84	257	183	110	40	67
LINC02141	0	0	0	0	0	0
AC133565	0	0	0	0	0	0
LINC02164	0	0	0	0	0	0
AC044798	0	0	0	0	0	0
AC134312	0	0	0	0	0	0
AL390718.	0	0	0	0	0	0
AC092138	0	0	0	0	0	0
AC090826	4	0	14	2	2	0
AC018362	0	0	2	0	3	0
AC084782	0	0	0	0	0	0
LINC00662	671	283	594	527	393	526
AC121333	0	0	0	0	3	0
AC009407	0	0	0	0	0	0
AL353708.	0	0	0	0	0	0
AC046158	97	36	131	116	66	68
AC092718	0	0	0	0	0	0
AL358933.	48	38	73	35	45	18
AC093249	4	34	5	16	17	5
AC073314	0	0	0	4	6	0
AC124283	59	14	22	42	27	41
AC090282	0	1	0	0	0	0
LINC02186	0	0	0	0	0	0
LINC01996	0	0	0	0	0	0
AC130462	466	270	501	406	234	364
AC002558	1	4	5	0	0	0
AC087500	257	105	177	147	99	127
AC005670	0	0	1	0	0	0
AC144831	283	158	507	499	286	145
AC108134	12	12	22	24	3	13
AC091153	10	8	3	10	6	9
AC027796	48	29	64	67	35	35
AC127496	16	5	15	13	10	4
AC006111	3	2	3	0	0	0
AC015909	8	0	22	8	10	6
MMP25-A	1773	871	1510	1587	685	1527

AC091062	0	0	0	0	0	0
AC116025	0	0	0	0	0	0
AC004706	204	43	75	103	47	141
AC007336	480	524	978	357	641	305
DLGAP1-A	341	103	297	285	147	205
AC087392	0	0	0	0	0	0
AC005920	0	2	0	0	0	0
AC003009	0	0	0	0	0	0
AC007014	4	0	3	2	0	0
LINC01974	0	0	0	0	0	0
AC007599	43	32	46	35	22	59
AC091180	24	7	19	13	15	21
AC139530	139	74	206	147	84	143
AC005696	24	6	11	3	14	6
AC090618	0	0	0	0	0	0
AC129507	7	2	4	0	2	0
DKFZP434	0	0	6	0	0	0
AC007638	0	0	0	0	0	0
AC040977	72	57	97	55	50	57
AC139099	0	0	0	0	0	0
LINC02185	5	0	6	1	6	15
AC127496	1	0	0	0	2	0
AC004148	0	0	0	0	0	4
AC015912	13	6	25	10	7	8
AC027601	0	0	0	0	0	0
AC009134	0	0	0	0	0	0
BCAR4	2	3	0	4	1	0
AL079343.	3	0	2	0	3	0
AC087392	0	0	0	0	0	0
AC092115	33	9	23	26	20	13
AC124283	0	0	4	0	1	0
AC133065	7	7	11	2	7	7
LINC00514	0	0	0	0	0	0
LINC02175	165	74	160	112	90	141
AC020978	72	43	117	54	23	80
AC130651	1	0	5	0	0	0
AC116025	19	0	2	1	1	3
AC005736	18	12	51	34	25	17
LINC01978	0	0	0	0	0	0
AL157931.	0	0	0	0	0	0
AC007952	195	504	1846	359	190	116
AC008914	18	15	42	8	8	8
AC144836	0	0	0	0	0	0
AC110285	13	7	10	9	11	8
AC004771	62	46	63	77	45	47
AC087392	107	82	138	148	95	137
AC104770	0	0	0	0	0	0
AC002558	527	425	1038	728	572	530
U95743.1	0	0	0	0	0	0
AC007952	191	42	57	41	74	51
AC129507	0	0	0	0	0	0
AC118755	0	0	0	0	0	0
AC004584	3	0	0	0	0	0
AC004494	131	41	93	109	68	70
AC127496	3	0	0	0	0	0
AC007952	51	13	38	17	25	13
AC136624	2	3	7	0	7	0
AC130371	0	0	0	0	0	3

AC100791	0	0	0	0	0	0
LINC02564	0	0	0	0	0	0
AC116914	0	0	0	0	0	0
AC004233	0	0	2	0	0	0
AC108134	412	201	462	346	240	227
CR936218.	0	3	1	0	0	0
AC026401	131	142	288	137	119	136
AC024361	16	13	19	12	10	5
AL160291.	10	0	2	0	3	4
AC145207	91	53	198	102	63	58
AC007613	26	39	51	21	10	9
AC004771	16	2	24	16	9	10
AC087392	4	1	0	2	0	0
AC099684	0	0	2	0	0	0
MIR193BH	3	4	4	9	5	30
AC006435	26	38	60	24	15	12
LINC01569	182	63	202	135	109	108
AC021224	2	5	5	5	5	5
AC004034	0	0	1	0	0	2
AC020978	960	449	968	798	494	656
AJ003147.1	0	0	0	0	0	0
AL022341.	30	8	25	24	9	3
AC130650	0	0	0	0	0	0
AC090617	11	11	0	0	0	7
AC129507	0	0	0	2	0	0
AC087741	1006	710	1067	1326	841	1132
LINC01979	2	4	0	0	0	7
LINC00621	0	1	0	0	0	0
AC113189	6	0	6	6	0	3
AC124283	200	61	156	140	78	90
AC127496	0	0	0	2	0	0
AC087222	168	129	257	251	200	145
AJ003147.2	0	0	0	1	0	0
AC004771	15	4	3	16	5	10
AC005722	0	0	0	0	0	0
GLIS2-AS1	0	0	0	0	0	0
AC040160	15	8	9	18	6	17
AC116914	0	0	0	0	0	0
AC012146	0	1	2	2	0	0
AC009121	0	0	3	4	0	0
AC012676	40	31	42	31	41	10
AC007342	142	370	313	141	72	183
AC135048	9	8	10	3	8	13
AC123768	76	12	31	50	45	36
AC010401	4	0	3	7	2	5
AC135050	149	174	258	177	129	116
AC100791	0	0	0	0	0	0
AC025627	0	0	0	0	0	0
LINC01977	4	0	4	0	0	2
AC032044	7	3	5	0	3	8
AC005224	0	0	0	0	0	0
AC130343	15	3	19	8	4	8
U91319.1	0	0	0	0	0	0
AC090617	3	5	15	0	0	0
AC087501	0	0	2	0	0	0
AC127521	65	39	68	49	23	43
AC145207	25	14	24	24	6	22
AC016245	16	7	46	17	10	0

AC027801	183	82	180	170	116	134
AC136624	0	0	0	0	0	0
AC099684	0	0	5	6	2	2
AC127496	7	6	5	11	0	2
AC110285	262	49	131	90	101	222
AC068152	500	206	545	498	346	330
AC113189	0	0	0	0	3	0
CR936218.	0	0	0	0	0	0
AC015921	27	11	41	20	18	14
AC027281	0	0	0	0	0	0
AC139099	3	0	0	0	0	0
AC004232	0	0	0	0	0	0
AC027796	35	40	38	23	30	24
AC015853	7	0	8	2	7	0
AC129507	0	0	0	0	0	0
AC118754	0	0	0	0	0	0
AC007861	0	0	0	0	0	0
AC139099	3	0	0	11	0	0
AC005695	0	0	0	0	0	0
AC005921	8	1	5	5	3	9
AC124319	215	116	280	183	112	133
AF001550.	0	0	0	0	0	0
AC137056	0	0	0	0	0	0
AC099489	0	5	4	0	0	0
AC007114	10	4	10	10	3	3
AC108134	0	0	0	3	0	1
AC015853	0	2	0	0	0	0
AC007220	10	6	12	14	10	8
AL513324.	0	0	0	0	0	0
AC090617	0	4	23	9	5	2
AC087501	0	0	0	0	0	0
AC024361	0	0	0	0	0	0
AF001548.	23	17	34	27	11	35
AC124319	89	54	156	53	80	34
ZNF213-A	687	248	632	684	253	437
AC009121	3	0	7	2	0	2
AC211486	0	0	0	0	0	0
AC007114	0	0	8	8	0	0
AC007638	0	0	0	0	0	0
AC068014	0	0	4	0	0	0
AC009171	0	2	3	0	0	0
AC007861	0	0	0	0	0	0
AC004584	153	68	222	109	157	103
AC040162	413	296	683	597	373	393
LINC01896	0	0	0	0	0	0
AC110285	0	0	0	0	0	0
AC005736	0	0	0	0	0	0
AC087500	0	0	0	0	0	0
AC087292	17	5	19	19	5	10
AC115099	2	2	1	4	0	0
AC026954	1	0	0	0	0	0
AC015909	0	0	0	0	0	0
AC109462	0	0	0	0	0	0
AC004224	70	33	70	47	32	55
AC127496	14	2	8	7	8	0
AC015727	41	15	17	16	9	21
AC010401	4	0	0	2	0	0
AC006111	26	8	21	54	13	19

AC106796	0	0	0	0	0	0
AC087190	21505	19909	36675	29029	17895	17632
AC092132	0	0	0	0	0	0
AC040173	16	7	10	17	4	12
AC110285	0	4	0	0	0	0
AC004148	138	44	126	132	73	71
AC020978	3650	2177	4784	4202	2224	2832
AC233701	0	0	0	0	0	0
AC007595	0	0	0	0	0	0
AC003965	7	0	5	0	0	0
THCAT158	0	0	11	3	2	0
AC015853	0	0	0	0	0	0
AC113189	4	0	1	0	0	0
AP005530.	0	0	0	0	0	0
AC007216	29	8	9	25	8	28
LINC01975	0	0	0	0	0	0
AC027763	19	14	22	20	10	23
LINC01982	0	0	0	0	0	0
AC024361	0	0	0	0	0	0
AC003965	0	0	0	1	0	0
TAPT1-AS	221	87	442	312	213	116
AC008551	7	2	6	4	5	1
AF001548.	291	200	377	267	170	234
AC027796	14	8	20	28	17	24
AC003688	0	0	0	0	0	0
AC006435	53	54	54	46	35	26
AC104564	6	5	6	8	3	5
AC018371	0	0	0	0	0	0
AC002347	0	0	2	2	0	4
AC011825	0	0	4	0	0	0
AC007952	183	34	62	35	68	44
TMEM220	29	22	25	8	4	10
AC004477	29	8	12	20	16	12
GTSCR1	7	0	7	7	2	3
AC110597	0	0	6	6	0	0
AC129492	0	0	0	0	0	0
AC024610	0	0	0	0	0	0
LINC01919	0	0	0	0	0	0
AC100872	0	0	0	0	0	0
AC090371	0	0	0	0	0	0
AC006441	5	4	5	0	0	0
AC104982	0	0	2	4	0	5
AC004147	0	0	0	0	0	0
AC127029	0	0	2	0	6	0
AC004702	11	7	19	10	5	6
AC007431	6	9	17	5	0	6
AC005828	0	0	0	0	0	0
AC015908	4	0	0	0	0	0
LINC02563	0	0	0	0	0	0
AC130324	34	12	32	37	16	51
AC011095	0	0	0	0	0	0
AP005328.	1	0	0	0	0	4
AC007923	0	0	0	0	0	0
AC004147	0	0	0	0	0	0
AC125421	3	2	3	0	0	0
AC145207	0	0	0	0	0	0
HID1-AS1	0	0	0	0	0	0
AC091043	0	0	0	0	0	0

LINC02591	0	27	1174	0	0	0
AC022655	0	0	0	0	0	0
AC127024	27	29	35	35	42	12
LINC02002	0	0	0	0	0	0
AC068408	0	0	0	0	0	0
AF186192.	0	3	0	0	0	0
AC024619	0	0	0	0	4	0
AP005121.	0	0	0	0	0	0
AC023394	0	0	0	0	0	0
AC055811	11	11	13	8	2	6
PPP4R1-A	3	0	1	1	1	3
AP005242.	0	0	0	0	0	0
AC022035	0	0	0	0	0	0
AC005828	0	1	0	0	0	0
AC090125	0	0	0	0	2	0
AC023389	16	7	16	7	6	9
AL035696.	0	0	0	0	0	0
AC026620	0	0	0	0	0	0
AC012588	0	0	0	0	0	0
AC007639	0	0	0	0	0	0
AC005154	2	0	3	0	0	0
AC005209	0	0	0	0	0	0
AC025887	0	0	0	0	0	0
AC012417	0	0	0	0	0	0
AC005277	18	9	22	6	13	12
AC005695	2	0	0	0	0	0
AC024619	4	5	5	6	0	3
AC079062	28	0	0	0	0	0
AC079336	3	2	9	9	4	12
AC068594	0	0	0	0	0	4
AC023394	0	0	0	0	0	0
DLGAP1-A	4	0	4	8	5	4
AP001178.	0	1	0	0	0	2
AC145207	644	316	657	679	355	424
AP005230.	0	0	0	3	0	0
LINC00667	1735	704	1940	1075	752	1319
AL645941.	39	33	61	27	7	26
AC090371	0	0	0	0	0	0
AC025682	63	58	81	55	33	46
AC022211	53	28	51	59	30	50
SKAP1-AS	12	7	16	0	0	3
AP005210.	0	0	0	0	0	0
AC018521	4426	2652	5642	4167	2878	3341
LINC00908	2	6	2	2	0	0
AP005121.	0	0	0	0	0	0
AC009831	37	26	32	56	23	30
AC112907	35	19	50	33	10	19
AC022211	164	56	149	187	81	86
AP005899.	10	0	31	5	11	8
AC145207	6	3	0	2	0	0
AC011840	0	0	0	0	0	0
LINC01543	2	2	0	0	0	0
AC007948	0	0	0	0	0	0
AP003396.	0	0	0	0	0	0
DLGAP1-A	0	0	0	0	0	0
AP000845.	24	7	21	34	7	11
AC080037	0	0	0	3	0	0
AC100778	20	25	32	30	12	13

AC015563	0	0	0	0	0	2
AC100778	39	18	35	28	13	32
AC011825	908	582	1156	1230	588	789
AC019131	0	0	0	0	0	0
AC022960	0	2	0	0	0	0
AC100832	0	0	0	0	0	0
AP005120.	0	0	0	0	0	0
AC091138	0	0	0	0	2	0
AP001094.	0	0	0	0	0	0
AC009716	0	0	0	0	0	0
AC087393	14	7	22	32	12	5
AC004253	4	0	0	3	0	0
AP005059.	0	0	0	0	0	0
AC104564	11	6	30	17	10	6
AC091588	0	0	0	0	0	0
AC124254	0	0	0	3	0	0
AC015908	0	0	3	0	0	0
AC018521	0	1	1	0	0	0
AC068418	6	5	0	0	5	3
LINC02003	0	0	0	0	0	0
ABHD15-A	0	0	2	2	0	0
AC005726	46	13	29	33	9	16
AC024267	0	0	0	3	0	0
AC005291	0	0	0	0	0	0
AP001180.	0	0	0	0	0	0
AC114488	0	5	6	3	0	0
AP005057.	0	0	0	0	0	0
AC005899	48	17	42	17	41	48
AC138207	0	0	0	0	0	0
AC090457	0	0	0	0	0	0
AC015813	1633	849	1700	1232	991	1257
AC116003	0	0	5	0	0	2
AC104984	4	0	4	0	2	0
AC007631	0	0	0	0	0	0
AC103987	0	0	0	0	0	0
AC090403	0	0	0	0	0	0
AC122129	37	23	45	29	18	30
AC005552	5	0	0	0	0	0
AL353997.	0	0	0	0	0	0
AC106037	63	18	60	31	18	40
AC011120	0	0	9	0	2	0
AC239868	33	12	25	9	15	22
AC103808	0	0	0	0	0	0
AC126365	32	4	54	34	9	13
LINC01916	0	0	0	0	0	0
AP005329.	32	21	24	41	36	27
AC018521	0	0	0	0	0	0
LINC00909	715	453	756	715	401	507
AP001496.	8	0	20	9	8	13
LINC01893	0	0	0	0	0	0
AC131274	0	0	0	0	0	0
LINC01925	0	0	0	0	0	0
AC016866	1	0	0	0	0	0
AC087749	0	0	3	4	5	0
AC100786	6	4	7	5	2	0
AC107982	2	0	3	4	0	0
ZNF236-D	49	13	24	22	33	16
AC104564	46	28	56	63	39	48

LINC01444	0	0	0	0	0	0
AC024267	2	3	10	11	7	5
AC134978	0	0	0	0	0	0
AP001020.	0	0	0	0	0	0
AC009704	0	0	0	0	0	0
LINC01894	0	0	0	0	0	0
AC023983	0	0	0	0	0	0
BX547991.	0	0	0	0	0	0
AC007448	0	0	0	0	0	0
AC015818	0	0	0	0	0	0
AC110603	0	0	0	0	0	0
AL445686.	37	10	47	14	2	10
AC084346	24	0	16	10	7	4
AP005433.	0	0	0	0	0	0
AC036222	0	4	0	0	0	2
AC138207	620	240	637	442	404	432
AC025211	0	0	0	0	0	0
AC091170	0	0	0	0	0	0
AC096708	0	0	0	0	0	0
AP005062.	0	0	0	0	0	0
AC061975	0	0	0	0	0	0
AC090283	0	0	0	0	0	0
BX640514.	0	0	0	0	0	0
AC005544	3	0	4	1	3	0
AC006270	0	0	0	0	0	0
AP000915.	0	0	0	0	0	0
AC011474	0	0	2	0	0	0
AC005154	4	2	6	5	2	0
AC008026	343	176	371	264	165	244
AC132872	23	6	16	10	12	7
AC015674	43	19	78	30	15	20
AC137723	0	0	0	2	0	0
LINC00526	134	47	88	70	49	59
AC010761	31	12	39	0	14	17
AC009630	34	21	31	14	6	11
AC117569	0	0	0	0	0	0
MAPT-AS1	0	0	3	0	0	0
AC103808	0	0	0	0	0	0
AP000897.	7	2	8	4	4	25
AC003687	0	0	0	0	0	0
AC005726	139	66	140	124	162	111
AC022903	3	0	0	4	3	2
PRKCA-AS	31	9	19	28	7	22
AC100844	0	0	0	0	0	0
AP001020.	257	102	279	293	165	152
AC024614	0	0	0	0	0	0
AC104564	0	0	0	0	0	0
AC064805	12	13	12	13	13	9
AC107926	18	4	16	5	16	7
AC020558	2	0	2	2	0	3
SEPT4-AS1	0	0	8	10	4	3
AC098850	0	0	0	0	0	0
AC123786	0	0	0	0	0	0
AC007922	5	3	21	11	2	11
LINC01912	0	0	0	0	0	0
AC018521	3	3	9	0	0	0
AC090337	0	0	0	0	0	0
L3MBTL4-	4	10	4	4	19	2

AC005725	0	0	0	0	0	0
AC022596	0	0	0	0	0	0
AC069061	0	0	0	0	0	0
AC145207	0	0	0	0	0	0
AC093484	58	15	19	13	11	32
TTC39C-A	22	3	20	13	13	15
AC032019	0	0	1	0	0	0
AC110921	247	96	180	239	109	160
AC098850	0	0	0	0	0	0
AC145207	5	6	19	2	4	0
AC016876	13655	8951	18134	13970	10295	10151
AC005722	0	0	0	0	0	0
AC021382	0	0	0	0	0	0
AC004147	0	0	0	0	0	0
AC068025	17	15	22	5	16	9
AC132938	29	6	16	10	6	20
AC091588	0	0	0	0	0	0
AC087749	2	0	6	3	5	1
AP001180.	0	0	0	0	0	0
AC011933	2040	1788	3736	1700	1629	1769
DSG2-AS1	0	0	0	0	0	0
AC097641	16	8	28	17	12	12
AC068112	0	0	0	0	0	0
AP005209.	0	0	0	0	0	0
AP005901.	0	0	0	0	0	0
AC026271	202	109	238	160	98	147
AC006141	453	293	546	366	183	321
AC015845	0	0	2	0	0	0
AC018521	77	33	100	57	35	78
AC090772	15	2	7	9	5	5
AC115989	0	0	0	0	0	0
AC100830	41	20	17	49	19	19
PRR29-AS	43	37	43	48	22	16
AC138761	0	0	0	0	3	0
AP001033.	9	3	30	6	37	7
AC090844	10	2	0	5	8	7
AC015563	0	0	0	0	0	0
AC124804	0	0	0	0	0	0
AC005549	0	0	0	0	0	0
AC068512	0	0	0	0	0	0
AC011825	15	8	19	38	4	17
AC087301	6	3	0	0	0	6
AC068418	0	0	0	0	0	0
AC004253	0	0	0	0	0	0
AC145343	0	0	0	5	0	0
AP002409.	0	0	0	0	0	0
AC010761	3	6	1	0	8	3
AP001496.	0	0	0	2	0	0
AC007922	6	3	4	4	7	7
C1QTNF1-	0	0	0	0	0	0
AC005332	68	57	111	112	40	40
AC091027	0	0	0	0	0	0
AC026474	16	17	22	24	16	16
AC011824	0	0	0	0	0	0
AC068594	0	0	0	0	0	2
AC011824	0	0	0	0	0	0
AC004448	0	0	0	0	0	0
AC016866	0	0	0	0	0	0

AC005899	0	0	0	0	0	0
MIR133A1	0	0	0	0	0	0
TSPOAP1-	2530	1282	3080	2752	2043	1939
CDRT8	0	0	0	0	0	0
AC005726	5	4	3	4	0	0
AP005202.	0	0	0	0	0	0
AP000894.	0	0	0	0	0	0
AL359922.	14	8	7	7	2	2
AC090772	5	0	2	5	0	0
AC010761	0	2	6	2	0	2
AC004687	1505	752	1510	917	966	1170
AC090358	0	0	0	0	0	0
AC103810	65	18	29	36	17	48
AC079336	9	5	10	7	16	8
AC129926	0	0	0	0	0	0
AC015917	27	2	12	15	18	5
AP005263.	1673	887	1969	1472	1072	1139
AC124066	5	4	13	8	4	6
AC233702	0	0	0	0	3	0
AC005828	4	4	6	7	7	8
AC005726	29	21	27	21	12	15
AC104996	0	0	0	0	0	0
LINC01476	0	0	0	0	0	0
AP005059.	0	3	2	0	0	0
AC130324	18	5	10	10	15	14
AC079336	4	1	14	16	7	4
AC011933	0	0	4	0	0	0
AC118755	0	0	0	0	0	0
LINC01899	0	0	0	0	0	1
AC004147	0	0	0	0	0	0
AC004231	0	0	0	0	0	0
PCAT18	1	0	2	0	0	0
LINC01908	0	0	0	0	0	0
AC012572	0	0	0	0	0	0
AC079070	0	0	0	0	0	0
AC084125	15	6	17	21	6	20
AC104984	0	0	1	1	0	0
AP005329.	9	12	10	24	16	9
AC005244	0	0	0	0	0	0
AC093484	218	95	323	176	130	102
AC009084	26	11	45	31	20	16
AP001094.	13	10	3	18	13	25
AC099850	0	0	2	0	0	0
AC005909	0	0	0	0	0	0
AC127024	0	2	0	0	0	0
AC005703	0	0	0	0	0	0
AC012447	0	4	3	12	3	4
AC132938	32	15	33	25	28	14
AC010761	12	4	13	7	5	4
AP000915.	3	0	0	0	0	0
AC107982	30	11	20	12	15	11
DTX2P1-U	1095	892	1835	734	853	1027
AC091691	0	0	0	0	0	0
LINC01915	0	0	0	0	0	0
AP001021.	0	0	0	0	0	0
AC005358	0	0	0	0	0	0
AP001178.	0	0	0	0	0	0
AC005304	0	0	5	1	0	0

AC100778	3	3	3	3	4	3
AC020558	2	1	5	2	0	0
LINC01892	0	0	0	0	0	0
AC015922	0	0	3	0	0	0
AC114689	0	0	0	0	0	0
AC015845	0	0	8	0	0	5
AA06	0	0	0	0	0	0
AC217774	0	0	0	0	0	0
AC104961	0	0	0	0	0	0
AP005271.	0	0	0	0	0	0
LINC01903	0	0	0	0	0	0
LINC01984	0	0	0	1	0	0
AC023301	35	15	5	6	8	16
AC002094	3	6	5	7	17	2
AC104564	908	879	1162	853	563	499
AC119868	2	0	0	0	0	0
AC087399	0	0	0	0	0	0
AC106037	0	1	0	0	0	0
AC005544	4	0	4	5	0	2
RARA-AS1	74	131	176	124	88	51
AC016382	0	0	0	0	0	0
AP000894.	0	0	0	0	0	0
AC129510	6	4	15	4	3	1
MAFG-DT	3	0	5	0	1	5
AC024614	0	0	0	0	0	0
LINC01970	52	8	11	18	11	4
AC011824	0	0	0	0	0	0
AC005821	3	0	3	3	0	0
AC103808	0	0	0	2	0	0
AP001099.	2	0	5	2	2	0
AP006565.	0	0	0	0	0	0
AC104984	0	2	4	3	0	4
AC138207	3	2	0	2	5	0
AC135178	5	0	1	2	0	0
AC090772	29	12	34	33	22	22
AC015878	0	0	0	0	0	0
AC010754	2	2	9	0	7	7
LINC01900	0	0	0	0	0	0
AC004147	0	0	0	0	0	0
AC018413	8	2	7	5	18	2
AC090415	0	0	0	0	0	0
AC006441	45	20	61	38	10	22
LINC01906	0	0	0	0	0	0
AC127024	99	53	81	91	49	66
AC005899	1744	972	2136	1652	1066	1252
AC090844	0	0	0	0	0	0
AC022211	16	23	23	35	12	17
AC069366	126	110	234	192	91	105
AC010761	16	4	9	9	8	9
LINC01029	0	0	0	0	0	0
AC100863	0	0	0	0	0	0
AC024267	9	0	0	5	4	2
DSCAS	0	0	0	6	0	3
AP000919.	12	2	7	2	12	4
AC024267	2	1	10	0	0	3
AC037487	2	8	0	4	2	0
AC125421	0	0	0	0	0	0
LINC00668	0	0	0	0	0	0

AC032019	0	0	0	0	0	0
AC090912	1	1	5	3	1	7
LINC01387	0	0	0	0	0	0
AC015878	0	0	0	0	0	0
GACAT2	0	0	0	0	0	0
AC217774	0	0	0	0	0	0
AC100830	193	39	72	113	75	93
AC005828	0	0	0	0	0	0
AC002091	78	80	189	82	56	40
AC074237	0	0	0	0	0	0
AC022809	0	0	0	0	0	0
AC011933	0	0	0	0	0	0
ESRG	0	0	0	0	0	0
AC090365	0	0	0	0	0	0
AC069114	0	0	0	0	0	0
AC091059	0	0	0	0	0	0
GATA6-AS	6	2	7	8	0	0
LINC02079	0	0	0	0	0	0
AC103808	0	0	0	0	0	0
AC016888	102	57	193	86	61	66
AP001011.	0	3	4	4	4	4
NDUFV2-A	157	110	146	109	96	81
AP005202.	0	0	0	0	0	0
AC004585	45	24	74	44	41	43
AC007431	0	0	0	0	0	1
AC004408	0	0	4	0	0	0
AP006219.	0	0	0	0	0	0
AC103809	0	0	0	0	0	0
AC068025	101	59	153	97	68	87
AC015908	7	0	4	5	0	0
AC104984	0	0	2	0	0	0
AC005730	124	87	151	136	63	112
AP001094.	0	0	0	0	0	0
AP005380.	0	0	0	4	0	4
AP001020.	0	7	2	0	0	2
AC090506	0	0	0	0	0	0
AC080112	48	15	32	22	29	17
AC107892	0	0	0	0	0	0
AC036222	72	45	117	72	31	70
NARF-IT1	113	140	227	176	138	110
AC121320	66	45	89	54	39	40
AC011474	0	0	0	0	0	0
LINC00683	7	10	8	0	0	0
LINC01909	9	4	0	5	2	3
AC005324	0	0	4	0	0	0
AP005203.	0	0	0	0	0	0
AC044873	0	0	0	0	0	0
LINC01910	0	0	0	0	0	0
AC135178	0	0	0	0	0	0
AC091588	0	0	0	0	0	0
AP005671.	27	2	15	22	24	15
AC012213	72	43	18	61	22	92
AC015813	0	0	0	3	2	0
LIVAR	0	0	0	0	0	0
AC007952	0	0	0	0	0	0
LINC01927	0	0	2	0	0	0
AC026254	0	0	4	4	3	0
AC016383	0	0	0	0	0	0

AC138207	4	0	0	5	3	0
AC004477	10	4	9	13	0	8
LINC02074	0	0	0	0	0	0
AC005410	52	25	47	44	31	23
AC090774	6	5	14	12	9	3
AC079915	106	109	163	94	101	106
AC005224	275	260	485	341	180	308
AC005899	84	43	41	58	41	50
AC002091	82	97	144	110	45	38
AP000919.	1	0	4	0	1	0
AP002478.	40	38	69	56	129	32
SNHG25	21	12	18	22	12	15
AP005205.	0	0	0	0	0	0
NARF-AS1	0	0	4	2	0	0
AL449423.	15	13	23	15	11	7
AC019183	0	0	0	0	0	0
AP001178.	0	0	0	0	0	0
AC021506	0	0	0	0	0	0
AC233702	0	0	0	0	0	0
AC005288	64	31	41	38	20	41
AC007448	9	9	7	13	8	7
AC007922	0	0	0	0	0	0
AC127024	95	39	75	84	55	80
AC011731	4	3	4	8	4	4
AC055811	27	33	64	41	9	29
AL354674.	0	0	0	0	0	0
AP002478.	0	0	0	0	0	0
AC021549	0	0	0	0	0	0
AC005697	2	0	0	0	0	8
AC008133	0	0	0	0	0	0
AC005838	152	87	218	166	106	149
AP001381.	0	0	0	0	0	0
LINC01443	0	0	0	0	0	0
MAGEA10	0	0	0	0	0	0
AC018697	0	0	0	0	0	0
AP001025.	0	0	0	0	0	0
FO680682.	28	15	40	19	23	20
AC091027	0	0	0	0	0	0
AC006441	0	0	0	0	0	0
AC037487	1	3	2	6	0	5
AC079336	0	0	0	0	0	0
AC018521	0	0	4	0	0	3
AC008109	0	0	0	0	0	0
LINC01887	0	13	0	0	0	0
AC103808	0	0	0	0	0	0
AC024267	4	9	19	14	15	3
AC103810	15	9	26	16	6	0
AC093484	13	3	19	11	9	10
AC129510	0	0	0	0	0	0
AC007952	37	6	8	5	15	9
AC005703	5	4	6	3	0	2
AC087164	130	38	76	50	39	34
AL135905.	12	4	34	12	14	12
AC044840	0	0	0	0	0	0
AP001793.	0	0	0	0	0	0
MGC12916	610	294	832	723	261	428
AC021534	0	0	0	0	0	0
AC134407	0	0	0	2	0	0

AC079336	14	4	6	6	0	14
DSG1-AS1	0	0	0	0	0	0
AC103808	0	0	0	0	0	0
AC005304	28	16	17	25	8	25
AC137735	0	0	0	0	0	0
AP000897.	0	0	0	0	0	0
AC116003	0	0	0	0	0	0
AC011840	0	0	0	2	0	2
AP005136.	111	26	85	45	41	93
AC009137	104	36	102	65	40	57
AC127540	9	11	17	8	4	19
AP005432.	184	80	250	146	138	112
AC018521	36	2	29	16	10	13
AC129492	0	0	2	0	0	0
AC061975	0	0	0	0	0	0
GAPLINC	2	2	2	4	2	2
AC008088	1	0	3	4	1	3
AC068254	21	2	11	5	1	9
AC093330	114	66	85	118	78	66
AP001021.	0	0	0	0	0	0
AC090912	4	0	1	0	3	1
AC005993	0	0	0	0	0	2
AC015688	18	4	12	14	6	4
AC007923	0	1	0	0	0	0
AC005394	0	0	4	0	3	0
AL354892.	228	125	216	159	135	110
AC005546	22	20	40	33	22	13
AC027514	602	336	604	425	238	421
AC068473	0	0	0	0	0	0
AC243964	5	2	0	3	0	2
LINC00663	282	79	203	143	177	126
AC114684	0	0	0	0	0	0
AL109935.	2	0	0	0	0	0
LINC01841	18	18	33	28	15	19
ZNF793-A	6	4	12	15	12	4
AC091132	291	92	226	108	103	241
AC104984	0	1	0	0	0	1
AC006213	10	4	0	4	0	0
AC008543	18	13	24	16	11	12
AC063949	0	0	1	0	0	0
AC021594	0	0	0	0	0	0
AC015818	0	0	0	0	0	0
AC020905	3	0	0	0	0	3
AC067852	76	46	106	95	64	57
AC005775	22	15	19	18	7	0
AC005746	76	33	63	53	39	49
AC011442	2	0	0	0	0	0
AC024592	0	0	0	0	0	0
AC022916	669	219	528	385	235	483
AC008752	0	0	5	0	0	3
AC093072	0	0	0	0	0	0
LINC01538	0	0	0	0	0	0
AP001010.	5	0	5	3	3	7
AP001269.	0	0	0	0	0	0
AC012254	10	9	14	8	15	10
AC005779	7	3	12	11	0	14
AP005482.	3	4	2	8	0	0
AC067852	674	364	684	578	339	494

AC005625	0	0	0	0	0	0
AC090220	294	327	714	511	214	321
AC023421	2	0	0	0	0	4
AP002449.	0	0	0	0	0	0
AC061992	1	10	9	7	2	4
AC092296	0	0	0	0	0	0
FARSA-AS	0	0	0	0	0	0
AC079466	2	5	0	5	0	0
AC006504	0	0	0	0	0	0
AC011511	2	4	12	9	12	2
LINC01180	0	0	0	2	0	0
AC087289	22	28	50	34	35	22
AC022916	28	0	9	1	6	8
AC011444	0	4	0	2	0	0
AC010485	0	0	0	0	0	0
AC104984	0	0	0	0	0	0
AC021517	10	0	0	0	2	0
AC004528	0	0	0	3	0	0
AL050343.	142	65	132	134	97	91
AC020663	11	4	10	10	7	9
AC111182	76	38	80	45	29	35
AC016229	0	0	0	0	0	0
AC060780	817	579	825	465	379	583
AC018761	0	1	1	0	1	0
AC008507	0	0	4	0	0	2
AC012615	11	0	4	8	0	5
AC007780	1957	1360	2414	1741	1487	1310
AC011498	12	3	0	5	4	2
AC011456	0	0	0	0	0	0
LINC01929	0	0	0	0	0	0
LINC01532	0	0	0	0	0	0
AC023090	0	0	0	0	0	0
AC111170	46	5	40	28	2	15
AC008747	0	0	0	0	0	0
AL136084.	2	0	0	5	3	3
AC011524	0	0	0	0	0	1
TCF4-AS1	0	0	0	0	0	0
AC011498	18	9	25	22	12	12
AC020911	0	0	0	4	2	2
AC010980	0	0	0	0	0	0
AC015911	0	6	0	0	2	0
AC105094	0	0	0	0	0	0
AC016493	0	0	0	0	0	0
AC027097	1120	485	1305	777	760	762
AC100793	3	0	9	3	0	6
AC005757	2	0	2	0	0	0
AC040977	0	0	0	0	0	0
AC092143	86	39	93	113	126	46
AC002398	0	0	0	0	0	0
AP005229.	0	0	0	0	0	0
AC005050	0	0	0	3	0	0
AC012617	13	8	4	6	16	0
AC008738	4	0	0	2	0	0
AC007001	0	0	0	0	0	0
LINC01905	0	0	0	0	0	0
AC006213	122	40	66	56	30	63
AC090213	0	0	0	0	0	0
AC018761	6	0	16	5	4	3

AC006130	0	0	0	0	0	0
UXT-AS1	14	24	19	17	12	15
LINC0208(	37	8	22	23	35	26
AP005264.	0	0	0	0	0	0
AC026458	2	3	0	0	0	0
NAGPA-A:	78	34	89	51	47	31
AC005256	0	0	0	0	0	0
AC015911	1186	553	1414	1334	612	950
AC015818	0	0	0	0	0	0
AC020663	20	2	12	3	0	12
AC015802	40	17	34	51	38	16
AP001269.	0	0	0	0	0	2
ASB16-AS	431	296	691	553	324	458
AC011507	0	0	0	0	0	0
AC011472	0	0	2	0	4	0
AC008543	0	0	0	0	0	0
AC005789	4	2	4	5	3	5
AC027307	10	5	0	2	2	6
AC025048	0	0	0	0	0	0
AC008735	41	39	110	68	43	44
SLC14A2-/	5	1	0	1	0	0
AC113137	0	0	0	0	0	0
ILF3-DT	944	509	784	621	473	532
AC090376	1	0	0	0	0	0
TBC1D3P1	362	197	461	450	251	294
AC011511	2	0	4	1	1	0
ZNF561-A	113	97	231	212	135	173
PCAT19	3	3	4	0	0	0
AP001029.	1	0	2	2	0	0
AC011990	0	0	0	0	0	0
AC098848	2	0	4	0	2	0
AC011481	21	3	8	9	4	7
AC022148	2	1	1	6	2	1
AC010525	2	0	0	8	0	0
AC008105	3053	1378	2838	2191	1516	2293
AC004490	17	5	14	6	6	0
LINC02081	58	62	106	36	58	88
AC016588	14	6	4	0	6	6
AC012615	15	14	21	5	2	2
RNF157-A	31	16	13	27	19	17
AC008738	0	0	0	0	0	0
AC005746	0	0	0	0	0	0
AC011518	0	0	0	0	0	0
LINC01924	5	0	3	2	8	10
AP005131.	43	13	43	22	19	9
AC005901	0	0	0	0	0	0
AC005954	23	13	30	22	13	11
AC005262	2	0	6	5	5	4
AC012615	3	0	14	2	2	6
AP001120.	0	0	14	11	0	0
AC067968	0	0	0	0	0	0
AC012301	0	0	0	0	0	0
LINC01842	0	0	0	0	0	0
AC011476	242	168	284	282	167	172
AC006557	0	0	0	0	0	0
MIR2117H	0	0	0	0	0	0
AC093227	210	100	153	200	142	158
AC005379	0	0	1	0	1	5

AC091152	105	36	51	80	29	49
CHMP1B-A	12	2	28	6	7	0
AC022098	389	220	618	452	373	346
AC022031	0	0	0	0	0	0
AC011472	98	231	181	61	162	67
AC105094	0	0	0	2	3	0
AP002505.	0	0	0	0	0	0
AC245748	14	12	6	0	0	3
AC006213	5	0	0	5	0	3
AC006116	0	0	0	0	3	0
AC023421	5	0	6	12	3	0
AC091044	0	0	2	0	0	0
AC011461	12	10	24	16	12	13
AC091132	38	12	20	43	16	66
AP001029.	37	10	19	13	18	15
LINC01775	0	0	0	0	0	0
AC090386	0	0	0	0	0	0
LINC01782	0	0	0	0	0	0
AC005954	0	0	0	0	0	0
AC005884	0	0	0	0	0	0
LINC01897	0	0	0	0	0	0
AC003043	4	0	0	1	0	0
AC018761	39	21	33	26	17	23
AC007773	22	9	16	18	12	12
AC092068	0	0	0	3	2	0
AC040963	0	0	0	0	0	0
AC010504	2	0	2	7	3	0
AC107993	27	23	53	33	32	11
AC005597	0	0	0	0	0	0
AC005498	0	0	0	0	0	0
WDR7-OT	245	100	315	232	133	142
AC104971	24	6	22	30	14	9
AC005786	0	0	2	0	0	0
AC012615	2	0	21	7	4	3
AC092067	2	3	0	0	0	0
AC093074	0	0	0	2	0	0
AP001198.	0	0	0	0	3	0
AC011524	0	0	0	0	0	2
AC005381	9	42	25	14	115	4
AC012615	84	31	119	48	25	35
AC091132	231	121	616	256	135	302
AP005264.	0	0	4	3	0	0
AC025048	30	18	32	12	15	42
AP005482.	35	15	49	40	36	24
AC011591	0	0	0	0	0	0
AC139100	0	0	0	0	0	0
LINC01255	0	0	0	0	0	0
ZNF790-A	111	57	100	65	81	82
AC011498	0	2	0	1	0	0
AC105105	6	10	27	6	50	18
ERVE-1	0	0	0	0	0	0
AC020928	18	30	6	5	6	8
AC011444	0	2	7	0	2	2
AC111170	356	195	440	310	292	313
AC011476	165	163	265	165	117	203
AC010776	0	0	0	0	0	0
PARD6G-A	18	21	9	19	8	48
LINC01140	23	12	8	21	13	28

AC008567	0	0	0	0	0	0
AC008770	77	38	56	59	28	61
AC020911	15	8	15	15	0	10
AC024575	42	19	56	17	28	30
MAP3K14-	212	119	285	180	62	229
AC090409	72	46	94	82	181	27
TBX2-AS1	2	0	0	0	4	0
AC011481	0	3	8	3	0	4
AC005306	185	66	138	64	104	102
AC022031	0	0	0	0	3	0
AC004672	41	26	53	40	28	37
AP001198.	0	0	0	0	0	0
AC068473	23	16	24	7	3	13
AC138150	62	34	74	40	46	20
AC008752	4	6	1	0	6	0
AC008649	4	0	7	3	2	5
CEBPA-DT	85	22	54	58	14	39
AC006116	137	40	67	103	40	60
AC011444	0	0	0	0	0	0
RNFT1-DT	7	7	6	8	6	4
AC004637	0	0	4	4	0	0
LINC01764	4	6	4	6	0	1
AC092295	92	35	46	58	40	34
AC007673	37	35	68	65	27	34
KC6	0	0	0	0	0	0
AC090409	4	10	11	3	6	0
AC027307	201	86	192	176	99	170
AC005580	7	0	0	0	0	11
LINC02001	349	183	256	348	205	199
SNHG22	1147	701	1458	1551	841	1206
LINC01415	12	2	0	5	3	4
AC009271	0	0	0	0	0	0
AC002398	0	0	4	0	2	0
AC015936	8	3	11	1	2	2
LINC01478	9	5	10	15	24	13
AP000365.	15	5	4	18	11	6
LINC00906	0	0	0	0	0	0
AC100843	0	0	0	0	0	0
AC087289	28	5	19	11	3	17
AC003070	9	6	16	9	7	10
AC010632	4	2	4	0	0	2
GEMIN7-A	21	7	27	18	13	10
AC015911	0	1	4	13	2	2
AC020928	0	2	0	0	4	0
AC091151	0	0	0	2	0	0
AC006557	0	0	0	0	0	0
AC015911	18	2	27	17	9	20
AC092296	0	0	0	0	0	0
AC022706	47	16	71	40	15	23
KCNJ2-AS	26	120	186	48	27	33
AP005131.	15	2	10	6	9	8
AC005330	0	0	0	0	0	0
AC008894	2	0	0	0	0	0
AC016205	5	2	11	12	7	14
AC008649	0	2	2	0	0	0
AC020897	0	0	0	0	0	0
AC008569	23	18	49	24	18	14
AC011447	101	19	105	44	26	53

AC020931	9	6	26	7	13	9
AF038458.	2	0	0	0	0	9
AC036176	10	19	30	31	6	8
MIR122HG	2	0	0	0	0	0
AP002439.	0	0	0	0	0	0
AC004596	3	5	9	11	0	7
DM1-AS	3	5	9	6	3	2
AC090236	0	0	0	2	0	0
AC090229	64	20	45	62	29	41
AC006305	0	0	0	0	0	0
AC090621	0	0	0	0	0	0
TCF4-AS2	0	0	0	0	0	0
AC005180	0	0	0	0	0	0
AC011509	2	0	0	0	0	0
AC008794	0	0	0	0	0	0
AC068473	0	0	0	0	0	0
AC092068	198	94	166	98	97	114
LINC01901	0	0	0	0	0	0
AC120049	77	28	51	32	40	22
AC025048	9	2	5	10	9	16
AC138474	0	0	0	0	0	0
AC007993	5	0	0	0	2	0
AC005498	8	2	0	8	2	2
AC005616	0	0	0	0	0	0
AC020934	0	0	0	0	0	0
LINC01928	0	0	0	0	0	0
AC006116	0	1	14	4	7	9
DNAH17-A	0	0	7	0	0	0
AC005786	92	57	125	71	58	47
AC012309	4	3	2	2	3	3
AD000671	4	5	8	6	0	3
LINC02594	5	0	4	4	4	10
AC010641	0	0	0	0	0	0
AC003070	0	0	0	0	0	0
AC010649	0	0	0	0	0	0
AC005884	0	0	0	0	0	0
LINC02073	10	0	10	1	4	4
ZNF582-A	36	25	44	28	38	36
AP005137.	0	0	0	0	0	0
AC004223	280	196	495	414	345	328
AC092069	2	0	20	13	3	5
AC079210	1	2	2	2	0	2
AC090377	4	0	0	0	6	0
AC011525	0	0	0	0	0	0
AC021683	0	0	0	0	0	0
AC005944	127	32	185	125	38	70
ZNF571-A	26	27	36	34	40	21
AC008569	169	80	256	199	110	147
AC008736	15	6	12	26	13	11
AC104365	0	1	12	5	0	0
AP001542.	0	0	0	0	0	0
AC011477	635	265	605	450	293	400
AC027319	7	9	16	7	2	0
LINC01837	0	0	0	0	0	0
AC100788	14	5	2	7	8	13
CIRBP-AS1	22	2	12	12	11	14
FAM215A	5	0	0	0	3	3
AC007786	2	0	0	2	2	7

AC104365	2	5	5	0	0	4
AP005131.	0	0	4	6	0	0
AC090236	18	15	14	24	13	7
AC005180	0	0	0	0	0	0
AC021683	0	3	4	8	48	3
AC010511	0	0	0	0	0	0
AC011451	0	2	0	0	2	0
AC011446	13	5	7	5	3	3
LINC01855	0	0	0	0	0	0
AC020916	4106	13004	37038	21011	10900	4659
AC010733	7713	4035	8352	6685	5863	5364
AC016168	7	2	0	0	3	0
LINC01864	0	0	0	0	0	0
AC008735	2	0	8	7	2	2
AC008991	0	0	0	0	0	0
AP005131.	21	12	43	6	20	12
LINC01836	0	0	0	0	0	0
MIR497HG	5	3	23	6	0	3
LINC00868	0	3	0	0	2	2
AC079466	0	0	0	0	0	0
AC015802	12	0	8	5	10	4
AC015802	45	15	22	18	21	22
AC060766	77	33	82	87	34	51
AC006116	11	25	18	5	25	2
AC022517	11	8	8	4	13	8
AC005264	6	3	34	15	10	8
AC008805	0	0	0	0	0	0
AC008474	3	0	3	4	0	0
AL158154.	0	0	0	0	0	0
AC027514	4	1	6	1	8	3
AC011471	0	1	0	0	0	0
AP001109.	0	0	0	0	0	0
AC011477	2	0	5	0	1	4
AC008736	0	0	0	0	0	0
AC016168	18	6	6	0	6	11
AC104532	19	5	20	12	2	10
AC011474	0	0	0	0	0	0
AC006504	282	189	402	416	266	211
AC011472	34	25	40	23	18	18
AC010327	0	0	0	0	0	0
AC104971	0	0	0	0	2	0
AC008738	24	2	17	12	2	3
AC011477	41	24	47	21	19	34
AC020916	0	0	1	0	0	0
AC007998	2	2	5	0	2	5
LINC00907	84	34	20	28	37	21
LINC01926	0	0	0	0	0	0
AC011446	74	135	240	116	41	70
AC008794	0	0	0	0	0	0
AC022966	73	44	66	61	25	20
LINC01028	0	0	0	0	0	0
AC003098	0	0	0	0	0	0
AC016590	7	11	4	9	12	4
AC006116	9	2	10	0	4	5
AC011511	10	24	21	40	11	8
AC007787	0	0	0	0	0	0
AC008759	2	0	0	0	0	0
AC245748	0	0	0	0	0	0

AC087289	0	0	1	0	0	6
AC007795	0	0	0	0	0	0
AC015911	0	0	0	0	0	0
AC002115	0	0	0	0	0	0
AC118757	8	0	8	2	0	2
AC104423	7	0	0	2	0	0
AC138430	4	0	2	0	0	4
AC067852	307	229	486	188	270	250
AC008686	6	6	7	7	5	6
AC008992	0	0	0	0	0	0
AC040904	120	75	93	50	34	46
AC023855	0	0	4	0	4	0
AC091198	0	0	0	0	0	0
AP005264.	0	1	0	2	0	0
AC061975	2	0	0	1	5	0
AC008543	0	0	0	0	2	0
AC010327	13	0	0	3	0	6
AC008742	0	0	0	0	0	0
AC015961	0	0	6	0	0	0
AC002546	6	0	0	0	3	0
AC125437	73	85	220	105	105	72
AC099811	3	3	8	3	0	0
LINC01482	0	0	0	0	0	0
AC025809	6	4	0	0	2	0
AC021683	0	0	0	0	0	0
AC004156	30	4	6	12	0	8
AC005856	0	3	0	0	4	2
AC022098	30	12	9	9	6	8
AC010632	215	106	308	240	149	198
AC090227	0	0	0	0	0	0
AC105105	0	0	0	0	0	0
AC016229	0	0	0	0	0	0
AC016590	91	54	107	86	68	76
AC008991	0	0	0	0	0	0
AC090771	0	0	0	0	0	0
KF456478.	2	4	5	3	13	0
LDLRAD4-	10	7	6	0	7	0
AP005131.	5	3	4	1	1	5
AC105227	0	0	0	2	0	0
ERVK-28	0	0	0	0	0	1
AC002116	36	18	26	38	16	22
AP005131.	2800	1278	3099	2555	1783	2118
AC020917	0	0	0	0	0	0
AC104365	8	0	4	4	3	0
AC015961	0	0	0	4	0	8
AC024592	0	0	0	0	0	0
AC060766	14	7	9	8	1	10
LINC01539	0	0	0	0	0	0
AC008738	0	0	0	0	0	0
LINC02078	6	0	0	0	0	0
AP002414.	0	0	0	0	0	0
AC011509	7	3	0	3	0	0
AC012254	12	4	11	4	3	6
LINC02565	0	0	0	0	0	0
AC008738	0	13	0	0	11	12
AC010761	3	1	0	0	2	0
AC005332	858	349	733	746	514	555
AC006305	0	0	0	0	0	0

AL121989.	2	4	3	6	0	0
AC020934	0	0	0	0	0	0
AC087645	20	4	10	16	4	3
AC107896	0	0	2	0	0	0
AC060766	285	97	272	247	87	245
AC104985	0	0	0	0	0	0
AC092068	245	112	202	166	144	128
RUNDC3A	3	2	6	17	4	11
AC009005	14	10	9	4	0	15
AC005329	6	1	5	8	4	0
EML2-AS1	46	38	52	37	11	30
AC099811	0	5	0	2	0	0
AC011478	0	0	0	0	0	0
MIR4527H	0	0	0	0	0	0
AC048380	2	0	2	0	0	0
AC093567	38	28	25	52	30	27
AC100793	32	27	32	31	29	19
AC022726	51	31	34	29	24	26
LINC01801	219	138	251	246	67	120
AC011498	10	6	6	11	8	10
LINC01999	0	0	0	0	0	0
AC010776	0	0	0	0	0	0
AC006116	7	12	26	8	7	12
LINC01791	0	0	0	0	0	0
AC004221	0	0	0	2	0	0
LINC01533	0	0	0	0	0	0
AC021594	0	0	8	3	0	0
AC022916	0	0	0	0	0	0
AC022098	5	5	4	7	2	4
AC010680	13	8	10	4	10	14
AF038458.	5	2	7	4	2	3
AC027097	499	277	603	352	267	254
AC015936	0	0	0	0	0	0
AC100775	0	0	0	0	0	0
LINC01987	0	0	0	0	0	0
AC018761	2	0	0	0	0	0
AC087289	33	7	28	5	17	20
AC018755	6	2	8	4	0	13
AP001160.	0	0	3	0	0	2
AC008655	0	0	0	0	0	0
AC011468	182	79	183	158	80	118
AL592211.	37	11	51	31	15	22
AC245884	308	108	293	164	182	180
AC119396	7	11	9	6	2	8
AL133499.	0	0	2	1	2	4
MZF1-AS1	72	35	66	51	51	63
AL356740.	5	0	0	4	4	21
ZNF460-A	56	26	35	28	37	33
AC073539	0	0	0	0	0	0
AC011483	0	0	0	0	0	0
AL031666.	0	5	12	14	0	0
AC074135	5	0	4	0	7	3
AC010624	0	0	0	0	0	0
AC022144	14	2	12	22	6	17
AC026803	2	0	0	7	0	0
AC024075	194	92	204	173	109	151
AC008750	4	0	0	0	0	0
AC009955	0	0	2	0	0	0

AC007785	0	0	0	0	0	0
AC139769	0	0	0	0	0	0
AC010320	0	0	0	0	0	0
AC010300	9	4	0	1	0	6
AC008946	2	0	5	1	0	0
AC022762	79	36	27	64	22	76
AC010328	0	4	0	0	3	6
AC011523	0	0	0	0	0	0
AC007292	86	53	76	83	24	40
AC008750	0	0	3	0	0	0
AC130469	0	0	0	4	0	0
AC010605	0	0	0	0	0	0
CARD8-AS	1043	685	1549	1028	900	914
PTOV1-AS	103	62	102	100	70	49
AC010320	9	4	8	9	7	0
AC243960	1443	456	1055	856	570	906
AC005253	11	11	15	12	4	3
LINC0178	0	0	0	0	0	0
AC018766	33	25	30	25	17	28
AC012313	67	18	41	37	31	27
AL158151.	9	0	7	2	2	2
AC008395	121	53	99	87	66	74
AC067969	0	0	0	0	0	0
AC020913	2	0	1	1	1	0
NAPA-AS1	77	46	108	82	74	26
FMR1-AS1	18	10	19	13	9	10
AC004466	59	27	59	47	21	46
AC135012	0	0	0	0	0	0
AC123912	13	0	3	26	9	7
AC008764	9	0	9	5	0	0
AC022154	15	4	16	2	11	11
ZNF649-A	2	0	3	0	0	2
AC008687	0	0	0	0	0	0
AC008761	8	6	10	9	5	6
AC010615	31	6	42	31	11	4
AC010336	0	0	0	0	0	0
AC026304	4	2	8	3	2	2
AC010336	15	5	20	6	9	7
AC010524	0	0	0	0	0	0
AC073342	49	42	82	26	10	20
AC073188	0	0	3	0	0	0
AC092364	0	4	0	0	0	0
ZNF114-A	0	0	0	0	0	0
AC005785	58	35	82	39	24	42
AC010503	0	0	3	0	0	0
AC010335	8	4	20	7	9	4
AC020915	31	40	44	39	19	29
AC010503	0	0	0	0	0	0
AC008763	63	44	153	94	47	48
AC005261	4927	2286	4782	4143	3102	3568
AC137932	50	34	66	52	27	14
AC008040	82	115	114	65	68	90
AC012313	127	65	97	90	81	57
AC008743	0	0	0	0	0	0
AC123912	8	28	113	39	2	3
AIRN	1	12	10	12	7	2
AC011445	111	91	140	120	59	74
AC003005	1	0	0	2	7	0

AC008687	0	0	0	0	0	0
AL589765.	34	12	17	17	19	29
AC020908	0	0	0	0	0	0
AC006547	0	5	5	7	8	3
AC022145	0	0	0	0	0	0
LINC0256(	0	0	0	0	0	0
AC008764	6	2	17	0	7	5
AC006272	0	0	0	0	0	0
LINC0187:	0	0	0	0	0	0
LRRC2-AS	0	0	0	0	0	0
AC008739	0	0	0	0	0	0
AL132655.	32	7	30	7	23	22
AC006115	8	0	0	3	5	6
AC243960	24	10	46	11	7	8
AC092279	982	452	1040	995	650	724
SMC5-AS1	76	23	60	35	39	38
AC010271	2	0	0	0	6	0
AC010325	11	7	15	11	13	11
FENDRR	0	0	0	0	0	0
AC011473	0	0	0	0	0	0
AC003682	9	4	9	6	7	7
AC007785	22	7	18	18	17	17
AC132192	79	52	79	38	24	48
AC010329	0	0	0	0	0	0
AC093503	11	6	12	17	7	8
AC011468	0	0	0	0	0	0
AC006262	0	0	3	0	0	2
MIR4453H	443	132	279	247	190	255
AP002884.	86	53	63	73	79	59
AC011462	29	18	24	25	15	11
LINC0186:	0	0	0	0	0	0
AC245884	5	0	2	1	0	5
AC011479	39	25	71	51	28	27
AC135012	0	0	0	0	0	0
AC026202	47	40	68	35	30	16
AC020915	343	86	183	223	60	152
AC020909	36	20	31	27	24	21
AC008750	72	32	142	146	61	69
AC008403	0	0	8	2	0	0
AC060814	0	0	0	0	0	0
LINC0213!	0	0	0	0	0	0
AC005523	2	1	0	0	0	0
AC012313	34	13	39	19	7	17
AC123912	75	0	79	214	260	49
AC010636	0	0	0	0	0	0
AC003956	0	0	0	0	0	0
AC005339	24	21	50	25	32	19
AC100781	0	0	0	0	0	0
AC007228	13	1	11	11	2	9
AC011815	268	94	275	176	133	167
AL031282.	2787	1656	3020	2322	1908	1221
LINC0196(	0	0	0	0	0	0
AC011466	7	3	2	0	2	4
AC073389	53	18	44	36	33	29
RAET1E-A	0	0	0	0	0	0
AC063977	0	0	0	0	0	0
AC073539	0	0	0	0	0	0
AC115522	1	0	0	0	0	0

AC053503	4	2	6	8	2	8
AC011497	0	0	0	0	0	0
AL353803.	16	3	5	14	15	8
AC092316	4	5	12	13	4	3
IGFL2-AS1	0	0	0	0	0	0
AL121761.	1	3	0	3	3	0
AP003680.	0	12	12	0	0	0
AC011495	4	0	6	2	0	0
AL132655.	1	2	3	2	4	4
AC005759	5	3	0	0	0	6
MIMT1	0	0	0	0	0	0
LINC00664	26	32	63	26	25	5
AL589863.	130	73	208	120	170	139
AC016586	196	151	287	209	111	139
AC004597	0	0	0	0	0	0
AC011495	2	0	0	0	0	0
AC005261	0	3	4	0	4	0
AC020910	20	6	20	14	15	12
AC010643	4	0	13	5	6	0
AL158151.	10	17	8	18	6	3
AC005261	229	86	209	198	158	194
AC020922	7	0	8	3	11	7
AC245128	251	966	932	446	366	207
AC011473	0	0	0	0	0	0
AC008737	39	35	55	37	48	33
AL365205.	9	5	7	8	5	5
AC010519	0	0	0	0	0	0
SCGB1B2P	4	0	2	4	0	0
LINC01081	0	0	0	0	0	0
AC104534	0	0	4	0	0	0
AC011465	3	2	1	0	1	0
AC020914	0	0	0	0	0	0
AC027307	54	37	125	74	58	56
LINC02132	5	10	13	18	8	8
AC007193	0	2	0	0	0	0
AC004264	0	0	0	0	0	0
AL049747.	0	0	0	0	0	0
AC011467	0	0	0	0	0	0
AC243967	0	0	5	3	0	6
Z69706.1	76	40	56	47	63	36
AC092070	0	0	0	0	0	0
AC025278	0	0	0	0	0	0
AC020909	28	7	10	10	8	5
AL118506.	1354	518	1181	976	568	826
AC022601	0	0	0	0	0	0
AC022150	3	0	0	0	0	5
AC008750	114	52	188	139	57	75
PLCE1-AS1	0	0	0	0	0	0
A1BG-AS1	194	107	179	274	135	157
AC009955	0	0	0	0	0	0
AC011473	0	0	0	0	0	0
AC012313	201	45	111	154	66	153
AL354861.	0	0	0	0	0	0
AC136469	0	0	0	3	0	0
AC005387	0	0	0	0	0	0
LINC01711	0	0	0	0	0	0
AC010422	3	2	5	7	4	4
AC002128	63	33	107	50	26	55

AC068020	9	12	10	24	8	22
AC022150	4	0	4	3	2	0
AC024563	0	0	0	0	0	0
AC005253	14	7	26	9	9	14
AC020908	0	0	0	0	0	0
AC011462	62	42	100	71	57	34
MAN1B1-I	79	41	80	66	32	28
HOMER3-	14	4	21	15	20	10
LINC01838	0	0	0	0	0	0
AP001462.	16	6	11	6	5	6
AC008554	0	0	0	0	0	0
AC024075	978	515	1069	898	657	727
AC011455	9	10	13	10	0	2
AC010319	4	3	3	0	0	0
AC012313	6	11	8	10	4	7
AC020908	3	4	11	6	0	7
AC009955	0	0	0	0	0	0
AC063977	3	3	0	9	4	2
AC010328	11	12	3	19	0	13
AC008764	2	0	0	0	0	0
AC008555	30	17	30	28	9	5
AC010624	5	8	8	12	11	8
AC010320	0	0	2	4	0	0
AC012313	44	13	35	25	23	19
AC092329	171	61	151	102	61	132
AC010636	95	47	119	97	59	59
AC007193	0	0	0	0	0	0
AL137002.	3	2	0	3	3	2
AC010336	1	2	1	1	1	1
AC007192	14	5	28	7	13	12
AC092301	7	0	0	4	3	0
AC007193	4	0	4	6	3	4
AL009178.	0	0	0	0	0	0
AC010618	0	0	0	0	0	0
AC011443	0	0	0	0	1	0
AP001160.	103	59	71	87	53	60
L34079.2	0	0	0	5	0	0
LINC01082	0	0	0	0	0	0
AL445223.	0	0	2	2	0	2
AC005387	0	0	0	0	0	0
AC006942	11	12	15	8	6	12
AC003973	0	0	0	0	0	0
AC019171	6	4	13	11	7	0
LINC00528	487	955	1057	471	593	357
ZNF350-A	3	2	6	3	3	1
AC008894	117	55	164	70	67	41
AC011445	3	1	8	1	2	0
AC024603	0	0	0	0	0	2
AC245036	84	49	133	52	63	58
AC020922	8	2	22	3	0	6
AC092070	0	0	0	0	0	2
AC011503	0	0	4	2	0	0
AC093503	25	13	26	16	15	19
ZSCAN16-	201	39	103	103	101	142
AC005614	2	0	1	1	0	3
AC008734	0	3	0	0	0	0
AC020907	1	3	4	0	2	0
AC007292	164	118	154	105	69	83

AC011466	0	0	0	4	0	0
AC022150	0	0	0	4	0	0
AC010463	0	0	0	0	0	0
PTOV1-AS	594	363	745	543	347	455
AC092071	0	0	1	3	0	0
AL356740.	3	4	6	5	2	3
LINC01233	0	0	0	0	0	0
AC120349	0	2	0	0	0	0
AC008878	0	2	6	4	2	2
AL356740.	5	3	2	11	4	4
RAB11B-A	73	29	63	129	52	63
AL365205.	2	4	2	2	2	0
AC010139	0	0	0	0	0	0
AC008655	0	0	4	0	0	7
AC011503	22	34	40	31	39	22
AC008764	44	18	38	43	19	26
AC008734	4	0	0	0	0	3
LINC01224	0	0	0	0	6	0
PLA2G4C-	0	0	0	0	0	0
AC104521	0	0	0	2	0	1
AC024075	1	4	6	6	3	3
AC010618	151	96	254	165	147	116
AC011491	6	25	39	17	19	9
AC067969	0	0	0	0	0	0
AC006967	2	0	0	0	0	0
AC005515	0	2	0	3	2	0
AP001160.	75	51	79	75	72	57
AC012313	15	16	47	14	12	11
AC020913	3	6	4	6	0	3
AC010319	5	0	11	4	1	2
Z69720.1	24	5	28	26	10	14
ERVK9-11	1	0	0	0	0	0
AC008635	0	2	5	4	2	2
AL589765.	0	3	0	0	0	6
AC011483	0	0	0	0	0	0
AC003973	0	0	0	0	0	0
AC110792	1	6	12	3	3	0
AC024257	351	70	152	256	128	339
AC245052	8	3	8	7	3	3
AC011466	0	2	0	0	0	2
AC010320	3	0	15	4	2	0
AC074135	0	0	0	0	0	0
U62631.1	219	160	303	119	182	102
AC093677	2	0	1	5	0	0
AC010422	105	72	120	90	72	77
AC008753	5	0	0	0	0	5
AP001350.	8	4	5	4	0	3
AC008764	32	84	81	77	38	54
L34079.3	0	3	0	0	0	0
AL161896.	0	0	0	0	0	0
AC016629	0	0	0	3	0	0
AC005523	111	65	193	159	78	68
RPARP-AS	1155	382	901	722	472	785
AL589765.	7	4	6	8	0	5
AC004257	0	0	0	0	0	0
AC010487	2	0	6	0	0	0
AC011510	0	0	0	1	0	0
AC011479	151	68	220	163	99	94

NOP53-AS	0	0	5	3	7	0
AC092723	3	0	0	0	3	0
AC008760	125	49	139	92	76	95
AC008982	346	354	568	449	244	192
AC005197	0	0	0	0	0	0
AC005498	26	6	5	17	7	28
AC018730	0	0	0	0	0	0
AC006262	0	0	0	2	0	0
AC010319	0	0	0	0	0	0
AC006262	0	0	0	0	0	0
AC005614	180	102	170	160	97	129
AC008761	0	0	0	0	0	0
AC092070	0	0	0	0	0	0
AC011500	14	0	0	3	3	0
ZIM2-AS1	0	0	0	0	0	0
AC011516	0	0	0	0	0	0
AC008737	0	0	0	0	0	0
AC011491	19	12	15	17	12	25
BICRA-AS1	2	0	7	4	8	1
AC007292	5	4	7	5	0	0
AC010336	0	0	3	0	0	0
AC008403	10	2	5	6	6	7
AC010463	29	34	50	30	35	46
KCNQ1OT	2504	959	2362	1982	1343	1676
AC022150	1514	865	2505	1833	1038	1520
AC092327	0	0	0	0	0	0
ZNF528-A	100	21	239	103	71	69
AC020913	0	0	7	2	0	0
AC011453	0	0	0	0	0	0
AC008537	0	0	0	5	0	0
AL136172.	1	4	5	1	6	5
AC008735	0	0	0	0	0	0
AC010326	47	21	37	24	19	19
AC245884.	66	13	48	41	18	47
AC008753	29	30	42	34	29	17
AC007375	0	0	0	0	0	0
AC022382	10	8	11	7	6	9
AL391001.	22	14	35	30	39	10
AC112491	0	0	0	0	0	0
AC078802	2	3	2	3	0	2
AL353593.	148	63	117	93	84	90
AC125494.	85	33	80	51	49	32
SNHG8	812	497	933	766	623	587
AC018809	52	10	42	35	20	38
AP000654.	87	43	187	105	53	90
AC018695	0	0	0	0	0	0
AC025857	39	34	83	53	64	57
RMRP	38275	32509	70356	49366	35844	48811
AC010531	1	0	1	0	0	0
AC234772	47	100	236	106	81	55
AC025165	8	4	5	10	9	5
AL606834.	31	54	77	64	61	31
AL049840.	35	14	52	25	35	19
FAM226B	92	65	112	68	92	104
AP006621.	0	0	0	0	0	0
AF131215.	667	244	514	472	295	450
AL022067.	124	98	172	137	93	87
AC068620	23	9	10	18	12	16

AC024451	229	178	223	255	171	191
Z98884.2	126	106	261	151	96	103
DDIT4-AS1	27	25	38	34	28	19
AC004817	28	7	19	39	14	38
AL158152.	917	829	1674	1256	778	779
AC091057	133	38	105	145	74	98
AL078623.	0	0	0	0	2	0
AL031429.	0	3	6	9	2	0
AL353593.	63	27	47	39	27	21
AC092720	0	0	0	0	0	0
AC093525	319	146	287	232	189	171
AC068790	171	79	181	150	88	137
PCF11-AS1	176	64	148	86	145	97
AL049840.	782	529	1239	1017	721	739
AP001267.	35	9	26	38	31	25
AC004817	0	0	2	0	0	0
AL158152.	6	5	6	2	0	1
AC135178	30	20	36	26	15	31
AC069307	28	10	20	17	27	27
AP000962.	0	0	0	0	0	0
AC090181	160	94	315	194	142	121
AL117336.	20	10	13	30	43	19
AC022239	28	23	18	16	30	15
MKNK1-AS	5	0	12	6	0	2
AL353811.	0	0	0	0	0	0
AL049840.	871	563	1252	1009	768	830
SPACA6P-	0	2	0	0	0	0
AC010359	41	18	22	14	10	4
AL136164.	4	3	0	0	0	0
AL136115.	280	220	468	326	221	232
AC006064	112	65	221	112	75	83
AL162424.	96	55	120	53	206	88
AL020997.	38	37	82	51	68	64
AC004542	9	0	6	0	4	0
AC010969	518	196	360	491	255	293
AC091057	78	47	150	100	52	66
AC012065	31	12	8	11	13	9
AL359881.	0	0	7	2	0	10
AC068768	5	8	0	3	2	0
AC018809	202	158	239	211	121	140
AC146944	154	114	222	267	146	152
AC078795	16	15	36	23	17	12
AL021328.	4	0	8	0	0	0
AC040174	0	0	0	0	0	0
AC004542	8	2	10	10	3	5
AC036176	0	0	0	0	0	0
KC877982.	0	0	0	0	0	0
AL513318.	0	0	0	0	0	2
AC068790	132	70	190	139	70	130
AC005479	26	5	12	12	6	22
AL121894.	14	3	22	7	12	19
AC022028	0	0	0	0	0	0
AC010531	4	2	3	4	0	4
AL137247.	531	368	845	644	529	481
AC232271	796	279	566	490	356	424
AC087481	524	270	679	581	325	370
AC026150	69	28	58	29	21	24
AC107976	0	0	0	0	0	0

AC110769	226	112	162	143	90	169
AC009108	25	17	35	37	12	28
AC026691	10	11	17	14	7	8
Z93241.1	16	45	144	44	81	23
AC136475	5	3	5	0	3	2
AL020997.	72	28	41	46	46	39
AL359881.	5	0	0	0	0	6
AC027243	0	3	1	0	1	0
AL133467.	0	4	17	0	0	5
AC025165	42	18	30	35	24	42
AL356055.	11	12	18	20	6	14
AC068790	38	14	58	35	13	30
AC009061	502	167	442	300	223	309
AL035427.	0	0	1	4	0	0
BX546450.	1	0	0	0	0	0
AC127502	1686	593	2310	1598	1622	1367
AC121493	0	0	0	0	0	0
AC090589	267	178	389	366	225	216
AC068790	63	46	102	78	37	73
AL606834.	432	213	367	321	216	303
AL356488.	3487	2108	4163	3146	1535	2666
AC125494	0	0	0	0	0	0
MIR222HG	100	255	560	248	207	138
AP001172.	0	0	0	0	0	0
AC090559	44	43	83	49	31	51
AC087203	77	35	43	11	40	30
AL162742.	6	0	7	3	3	0
AF131215.	12	1	13	17	10	9
AP003117.	92	71	65	90	42	41
AC010531	2	0	6	5	2	5
AL021878.	66	52	133	120	53	59
GAS5-AS1	69	17	44	50	27	35
ZNF503	0	0	0	5	0	0
AL590235.	0	0	0	0	0	0
AC015726	202	64	134	141	83	138
AL670729.	0	0	7	4	4	3
AC068790	60	34	73	69	36	63
AC078795	117	63	85	109	55	82
AC012065	61	14	32	76	53	27
AL360012.	37	77	203	43	149	44
AL670729.	16	2	14	20	11	5
AC136475	2	0	0	0	0	0
AL049840.	799	471	892	795	507	596
AL353593.	2	0	0	4	0	0
AL583859.	0	0	0	0	0	0
AC090241	0	0	0	4	0	0
AC006019	0	0	0	0	0	0
AL513327.	122	76	176	171	106	122
AP001429.	270	147	361	258	180	238
AP000769.	8	2	19	14	15	4
AC138894	1	0	0	1	0	1
AC007728	174	122	458	166	170	256
AC092127	14	10	24	13	4	2
AC027020	1425	533	1325	633	518	1190
AC068790	168	74	207	138	101	156
AP003465.	0	0	0	0	0	0
AC025766	18	10	20	20	11	10
AC078795	40	21	25	27	25	52

AF230666.	90	70	85	101	68	74
AP001172.	0	0	0	0	0	0
AC005520	94	114	214	124	114	61
TERC	338	206	388	342	189	310
AC068620	9	8	4	7	6	7
AC130352	137	84	125	80	61	92
AC004918	885	604	1157	1108	581	757
AC018695	0	0	0	0	0	0
LINC0148(	115	38	71	36	38	40
AC010530	46	23	60	45	33	25
AL359881.	0	2	1	2	4	0
AL022097.	2	1	0	4	4	4
AC023509	24	12	22	45	14	23
AC104109	22	22	35	35	16	22
AC007687	10	0	1	2	4	2
AP002840.	125	31	98	93	60	92
AC004080	0	0	0	0	0	0
AC018695	2	0	8	0	5	0
AC068491	65	28	123	69	23	39
AC097359	55	40	80	77	46	29
AC016773	96	45	100	82	88	43
AC068313	5	4	8	0	0	5
AC104695	48	12	39	21	5	22
AC008738	0	0	0	0	0	1
AC015849	12	15	8	20	4	23
AC104819	3	0	0	9	3	0
AC009948	517	255	566	488	360	598
AL132655.	0	0	6	0	0	0
AC080078	25	12	13	19	8	10
AC007953	0	0	0	0	0	0
SMC2-AS1	21	4	12	18	10	10
POC1B-AS	1334	595	1186	1135	807	921
AL451085.	9	18	4	7	0	0
HMGN3-A	98	42	79	71	29	64
AL162413.	0	0	0	0	0	0
AL358215.	0	0	0	0	0	0
AP001554.	0	0	0	0	0	0
AL136084.	0	0	0	0	0	0
CAHM	32	31	80	59	57	42
AC099343	199	89	224	133	138	174
AC093424	0	2	0	2	1	0
AC106900	0	0	0	0	0	0
AC005034	16	2	4	0	0	0
AC026367	0	2	0	0	0	0
AL355297.	1	0	0	2	1	0
AL391422.	32	2	46	20	46	20
AL162713.	0	0	0	0	0	0
AC124303	7	2	9	10	1	12
AC093915	0	0	0	0	0	0
AC008555	0	0	0	0	0	0
LINC0123[	0	0	0	0	0	0
AC013731	62	12	54	23	25	41
AC097634	453	101	192	148	118	248
AC007681	67	32	77	38	42	36
AC010680	350	215	453	311	234	410
PKD1P6-N	1273	833	1923	1167	956	1061
AL158163.	404	152	158	145	134	198
HCG17	7	0	3	6	3	1

AL353622.	387	138	297	265	144	217
AC009549	3	3	0	5	3	0
AL023806.	63	39	69	51	33	33
AC104695	354	217	369	378	195	316
TSIX	0	260	0	0	0	371
AC079610	26	9	9	23	3	9
Z99289.2	0	0	0	0	0	0
YTHDF3-A	14	8	20	15	22	13
AC095055	35	52	92	92	77	34
AC005034	573	268	663	595	319	461
AC106791	0	0	0	2	0	0
AC124312	232	115	201	204	101	209
AC104785	11	0	13	9	9	13
AL356580.	0	0	0	0	0	0
AJ271736.1	63	41	98	82	38	58
AC096947	52	25	45	68	47	64
FBXW7-AS	0	0	0	0	2	0
AL136141.	2	1	7	2	6	0
AD001527	0	0	2	0	0	0
AL355353.	2	0	0	9	0	2
AL158042.	0	0	0	0	0	0
AL050403.	0	0	3	0	1	3
LINC00221	6	0	0	4	6	8
AC016727	132	59	82	76	41	100
AC007938	48	12	17	15	12	32
AL023806.	0	0	3	0	0	0
AC015849	0	0	0	0	0	0
AC067773	0	0	0	0	0	0
AC015849	11	9	15	7	0	8
ZNF30-AS	3	2	6	7	5	0
AC080078	64	12	22	41	22	36
AC015849	59	16	49	31	25	25
AC108451	0	0	0	0	0	0
AC010719	8	1	1	5	2	2
AL033381.	0	0	0	0	0	0
AC025811	0	0	0	0	0	0
AL121917.	1	7	5	5	5	0
AC007938	27	4	7	14	5	21
AC009948	246	188	300	230	133	221
LPP-AS2	92	102	140	104	58	29
AC016355	69	23	45	54	27	24
AC136475	46	15	41	13	25	16
AC015849	18	6	24	7	8	10
AC019257	4	17	18	10	6	9
AC005034	0	2	4	2	0	0
AC116667	62	12	16	20	26	38
AC010680	138	111	176	106	132	150
AC020907	1	0	13	4	0	2
AL390955.	0	1	4	3	2	0
AL512631.	23	4	12	5	20	4
AC107031	0	0	0	0	0	0
NAMA	8	0	0	0	0	2
AC008555	182	96	200	188	55	139
AC026412	0	0	4	0	0	0
AC018647	322	152	329	382	178	304
AP000526.	0	7	0	5	1	5
AC004130	0	6	2	6	0	2
AC010680	126	81	145	91	59	140

ARMCX5-(	344	107	400	394	176	213
AC023762	0	0	0	0	0	0
AC016737	97	43	54	45	39	43
AL161729.	50	18	81	51	29	44
AC090578	0	0	0	0	0	2
LINC01109	0	0	0	0	0	0
AC008555	0	0	0	0	0	0
AC104662	67	19	30	55	36	31
AC007029	1	0	0	0	1	0
AC006058	0	0	0	0	0	0
AL353804.	0	0	3	3	0	0
AC099791	0	0	0	5	0	0
AC247036	0	0	4	2	0	2
AC016831	2759	2156	3775	3207	2303	2278
Z99289.3	0	0	0	0	0	0
LINC01050	0	0	0	0	3	0
AL033384.	0	0	0	0	0	0
AL121655.	4	2	2	2	3	0
AL078605.	0	0	0	0	0	0
AC007423	0	0	0	0	0	0
AL683887.	0	0	0	0	0	0
AC010201	24	8	6	1	0	4
AL355297.	31	3	14	14	1	17
TMCC1-AS	46	19	54	40	26	70
AL161729.	5	6	5	0	3	2
AC091488	6	10	10	18	6	6
AC010201	34	15	32	12	19	19
LINC02104	0	0	0	0	0	0
AL117336.	172	40	91	106	62	127
AC018638	11	21	15	8	4	16
AC124312	301	123	284	300	186	277
AL512631.	0	1	2	2	2	5
AC002128	7	3	5	4	7	2
AL034374.	0	0	0	0	0	3
AL451085.	72	22	48	37	27	32
AC012464	26	14	30	31	27	28
AL161729.	0	0	0	0	4	0
AL445228.	4	2	9	6	0	0
AP003973.	2	0	6	1	0	0
AC006237	16	4	11	9	0	4
LINC02336	0	0	0	0	0	0
AL353622.	4	3	2	0	1	0
AC010680	14	8	6	4	2	17
AC073176	6	0	0	0	0	1
AL109936.	15	3	2	7	16	27
AL358072.	5	1	2	2	4	15
AL445237.	0	0	0	0	0	0
AC005034	63	17	83	68	39	36
AC106881	0	0	0	0	0	0
AC016831	3	8	5	4	2	16
Z83843.1	4231	2474	4704	3581	2683	3643
LINC02427	17	3	2	25	11	28
AL355297.	81	21	40	43	19	43
AC018638	348	164	244	215	105	232
AL138787.	0	4	2	0	0	4
AC113139	3	2	3	4	3	5
LINC02333	0	0	0	0	0	0
AL359504.	38	16	24	19	8	28

AC078880	0	0	0	0	0	0
LINC0255(	0	0	7	0	2	4
AC108463	97	27	116	78	47	65
ATP2B1-A	370	295	858	354	304	203
AL139041.	55	42	69	57	63	57
AC112220	96	36	65	67	68	49
AC099343	386	295	390	389	174	247
LINC00904	0	0	0	0	0	0
AC097359	0	0	0	2	3	0
AL161729.	18	2	7	11	3	6
AC010998	5	0	9	3	4	3
AC017033	0	0	0	0	0	0
AC010501	13	3	32	8	7	4
AC012640	0	0	0	0	0	0
AC022001	7	8	10	9	6	2
AC022146	22	7	30	11	4	15
AC011396	0	0	0	0	0	0
AC103858	19	11	23	15	8	13
AL357054.	2	0	3	4	2	5
AL390208.	6	8	12	9	4	10
AL137798.	0	0	0	0	0	2
Z98200.1	79	23	76	45	20	44
AL138900.	0	0	0	0	0	0
AC008608	8	3	6	0	3	3
AL121992.	0	2	0	0	0	0
AF287957.	4	6	17	13	19	8
AL031848.	21	4	12	23	12	16
AP003392.	9	6	14	2	5	6
AC112187	7	0	2	1	2	4
AL355802.	26	12	16	17	22	10
AL031118.	6	3	4	8	3	10
AP002360.	41	8	13	5	16	22
AC044810	0	0	0	0	0	0
AL021368.	16	6	6	5	6	10
AC091544	0	0	0	0	0	0
AC010424	0	0	0	0	0	0
AC139792	0	0	3	5	1	0
AL109930.	9	4	12	4	0	9
AL445209.	0	0	0	0	0	0
AC080013	29	12	16	23	6	30
AL118558.	71	39	91	71	54	16
AC026740	29	5	43	28	11	20
AL031055.	4	0	2	0	1	0
AC104794	4	2	1	2	0	0
AC008875	39	7	54	27	37	45
AL080317.	456	150	287	258	257	295
AC008667	4	0	1	2	0	0
AC011337	186	88	182	198	204	199
AC008494	6	8	21	14	5	3
AL121906.	0	0	0	0	0	0
AL590822.	22	38	34	25	14	6
Z97200.1	0	0	0	0	0	0
AC008897	8	9	11	7	7	11
BMS1P4	464	96	374	241	92	122
AL109910.	4	0	4	7	0	2
AL662844.	2	6	8	0	4	3
AC019080	0	0	0	0	1	0
PLS3-AS1	0	0	0	0	0	0

AC008937	11	11	48	39	25	22
AC012213	0	0	0	0	0	0
AL445222.	13	18	39	13	18	23
AC012557	44	26	59	40	29	27
AC073389	5	4	6	3	2	2
AC012603	13	0	14	20	2	1
LINC02343	0	0	0	0	0	0
AC087501	219	73	167	211	45	154
AL162258.	87	37	28	83	41	62
AC073195	18	21	25	18	5	16
LINC01215	1376	716	1294	967	806	894
AL096865.	24	13	33	42	11	39
CYB561D2	77	62	55	77	26	75
AL589740.	0	0	1	12	2	0
AC104118	342	124	235	255	162	204
AC114810	6	1	7	6	0	2
AC026979	42	47	77	52	24	44
AC024060	248	92	260	181	144	179
AC005740	136	78	151	114	99	62
AC025754	0	0	0	0	0	0
AGAP11	0	11	0	9	0	8
AP001330.	8	4	14	6	5	7
AL136162.	2	9	22	4	4	9
AC016747	5	1	2	0	0	3
AC026790	0	2	0	0	0	0
AC064834	8	5	6	5	4	12
AC007744	12	0	8	0	3	3
AL109811.	510	243	419	408	385	341
AL357518.	0	0	0	0	0	0
AL161716.	0	0	0	0	0	0
AC091826	0	0	0	0	0	0
AL357054.	36	10	48	19	6	8
AL035530.	46	23	53	27	10	35
AL139286.	2	0	2	9	0	5
AC012467	0	0	0	0	0	0
AL357568.	0	0	1	0	0	3
AC034236	119	63	127	86	80	87
AC008972	0	0	0	2	2	0
AC016877	0	0	0	0	0	0
AL353135.	2	7	15	1	2	4
AL603756.	5	12	7	23	7	6
AC012073	141	37	108	109	62	79
AC104187	0	0	0	4	4	0
AC103724	0	1	10	6	2	2
AC098614	13	0	9	3	1	10
AL590426.	0	0	0	0	0	0
AC017076	4	0	3	2	2	1
LINC01954	4	0	0	0	0	0
AC007100	4	0	1	1	0	0
AC021860	10	0	1	3	0	4
AC100803	163	68	119	112	128	83
AC026786	3	0	0	2	4	0
AC090948	1227	550	778	974	387	715
AC021321	50	36	32	41	20	52
AL583856.	39	18	35	27	17	52
U47924.1	1	2	2	3	0	1
AC120053	144	27	88	65	39	85
AC141002	0	1	0	0	0	0

AC012467	328	94	283	261	187	251
AL359643.	4	0	0	0	6	0
AC012640	6	8	11	4	2	0
AL158211.	2	0	5	17	0	2
AC023302	3	0	1	2	2	3
AL008726.	0	0	7	4	0	3
AL139424.	0	0	0	2	0	0
AC013400	8	2	14	8	4	3
AL354872.	4	2	0	4	2	5
AC126118	44	14	6	12	16	19
AC019080	2	0	0	3	0	1
AC034229	78	30	54	44	32	59
AC010904	12	16	40	23	21	22
FO704657	16	13	16	16	14	13
AL139274.	25	6	27	16	8	12
AL121944.	17	3	17	13	4	8
AC100814	29	17	6	22	15	14
AL137784.	22	9	8	19	14	25
AC008592	0	0	0	1	2	0
AC010240	4	4	10	0	2	3
AC064807	8	14	4	8	4	3
AC073218	0	0	0	0	0	0
AL162258.	33	13	50	27	16	23
AL136984.	706	400	658	629	477	372
AP002907.	72	33	43	47	29	53
AC010245	166	26	83	74	67	92
AC016405	0	0	5	5	1	1
AL445647.	0	0	0	0	0	0
AC091965	2	0	3	4	2	4
AL499627.	0	0	0	0	0	0
AC007390	228	78	196	184	86	143
AC013472	30	10	13	17	11	23
AC016575	2	0	1	5	0	0
AL365181.	0	3	0	0	8	0
AC005618	36	4	18	10	12	20
AC122710	0	0	6	3	0	0
AC004492	173	103	228	192	71	152
AC090186	179	42	67	83	58	114
AC124045	114	61	151	120	65	77
AL139423.	40	29	45	32	27	13
AC004233	17	54	59	34	23	22
AC008972	1	2	2	2	1	4
AL137127.	469	263	419	484	247	295
AC091979	0	0	0	0	1	0
AC025181	37	24	79	39	37	34
AC080013	0	0	0	0	1	1
AL512413.	3	0	0	2	0	0
AC087623	16	15	19	8	10	6
AC091614	7	6	10	14	22	7
AL024498.	35	6	8	2	0	24
AL513218.	3	8	7	11	7	4
AL133406.	27	10	18	20	13	14
AC026741	102	17	67	50	39	46
AL691432.	320	163	377	280	139	152
AC244517	0	3	0	5	0	3
AC008906	18	4	29	22	22	12
AC011374	101	62	85	96	61	91
AL136131.	1	0	3	1	4	1

AC233992	5	0	1	2	0	0
AC006058	0	0	2	0	0	0
AC008966	19	13	34	14	3	10
AP006545.	3	0	0	2	5	0
AL359715.	223	64	180	149	91	130
AC091946	6	13	33	7	5	7
AL451064.	12	0	5	2	2	4
LINC01607	0	0	0	0	0	0
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AC022400	180	161	216	228	109	223
AL390719.	0	0	0	2	2	0
LYRM4-AS	54	17	36	23	21	34
FGF14-AS2	16	0	12	0	4	0
AC025171	138	39	127	87	63	70
NFYC-AS1	369	254	383	354	275	208
ARF4-AS1	47	18	31	33	26	17
AC013403	73	28	68	39	15	52
AC112211	3	0	1	0	0	2
AL365330.	7	8	15	7	6	7
AC244517	0	0	0	0	0	0
AC055822	251	110	159	152	100	187
AC008280	114	51	114	93	85	83
AC107373	0	0	0	0	0	0
AL139022.	9	5	2	4	2	2
AC087623	19	1	24	11	8	4
AL589739.	1	2	4	4	3	1
AF106564.	14	8	19	10	19	20
AL606537.	0	0	0	0	0	0
CASC15	56	28	53	35	45	38
AL355385.	1	0	2	0	1	0
AC138696	4	3	2	2	2	1
U47924.2	9	13	11	6	3	7
AL050343.	12	5	11	15	13	8
AC011306	0	0	0	0	0	0
AC012557	50	27	41	49	34	23
AC135507	170	88	227	155	131	89
AC005041	40	10	48	53	21	53
AP003392.	6	5	10	3	8	0
AL024508.	0	0	0	0	0	0
AC100812	4	5	4	8	5	4
AL356512.	71	42	60	62	20	32
AC097358	0	0	0	0	0	0
AC004775	8	6	6	10	9	11
AL451050.	32	5	7	14	1	3
AL023583.	5	4	4	7	2	4
AC114760	32	15	58	35	20	6
AL645940.	9	7	14	10	13	7
AC108865	0	0	0	0	0	0
AC005072	559	245	734	533	429	393
AL645933.	144	124	204	148	159	183
AL136304.	29	14	19	27	14	29
AL136985.	2	0	4	10	0	0
AC008945	63	11	74	60	7	34
AL590438.	0	0	0	0	0	0
AL645939.	8	6	6	5	4	4
AC011373	0	0	0	0	0	0
AC004908	0	2	3	4	0	0
AL356277.	0	0	0	0	0	0

AC080013	12	4	11	4	2	4
AL138831.	5	2	0	0	2	2
AP003117.	1	0	1	0	0	0
AC022893	1	0	3	0	0	0
AC113361	18	12	11	9	11	3
AC044849	145	175	444	342	191	125
LINC01749	0	0	0	0	0	0
AC034198	68	38	47	59	31	30
AC009686	110	46	124	94	47	59
AC034236	16	6	8	20	2	16
AC021242	57	38	65	70	40	22
AL138724.	93	51	120	63	41	61
IER3-AS1	8	10	29	2	2	3
LINC00551	0	0	0	0	0	0
AC092687	7	6	0	11	9	3
AL031963.	25	29	54	21	9	25
AL512329.	10	4	17	7	10	12
LINC02084	76	40	88	169	42	63
AL451165.	43	20	71	55	30	28
AC083964	0	2	0	0	0	0
AC091544	0	2	4	0	2	3
AP002360.	18	15	25	18	9	29
AC096721	0	0	0	0	0	0
AC104113	38	8	39	63	27	34
AL133255.	1	0	0	0	0	0
AL021368.	1329	545	1505	986	736	1030
AL445309.	16	6	10	7	4	7
AP003355.	2	0	0	0	0	0
AC026801	41	6	20	2	10	25
AC012629	0	1	0	1	0	0
AC007128	0	0	0	0	0	0
AL353581.	0	0	0	0	0	0
AC002044	19	2	12	11	13	17
AC011816	88	41	98	74	50	55
AC093297	742	221	510	455	328	470
AC067838	82	26	65	52	17	26
AL137003.	182	143	236	157	126	170
LINC01115	0	1	0	0	0	0
AC107952	43	11	20	25	23	32
AL031775.	177	82	122	119	107	135
AC116351	0	0	0	0	0	0
AC092354	25	15	11	25	8	9
AL080317.	854	317	728	617	494	662
AC116036	4	1	7	5	3	0
AC005014	36	14	48	24	25	26
AL160408.	0	3	0	0	0	0
AL158211.	0	1	1	2	0	1
AC074032	218	118	259	212	133	143
AC008035	95	28	90	71	45	37
AC092354	37	17	45	33	11	25
AL591167.	14	7	4	5	0	6
AC009102	1	2	18	2	7	6
Z97832.2	319	155	310	267	171	181
AC026979	29	14	43	49	21	59
AL008729.	57	43	40	16	27	38
AL356258.	0	0	0	0	0	0
AC025171	33	19	54	22	23	19
AC016405	7	9	10	0	0	0

AC015802	4	2	7	4	3	0
AC005392	0	0	0	0	0	0
AL138916.	21	13	28	17	11	21
AL031775.	18	2	7	8	6	16
AL365181.	1	0	7	0	21	2
AC108102	0	0	4	3	5	1
AC116312	4	2	0	3	4	0
AC025175	80	37	104	74	55	66
AC034229	15	8	40	15	17	29
AC090607	12	5	8	9	8	7
AL513477.	50	16	63	45	63	40
AC009902	3	1	0	0	2	0
BX284668.	20	6	7	15	8	6
AL450270.	0	0	0	0	0	0
AL356056.	0	0	0	0	0	0
AC104117	0	0	0	0	0	0
AL031432.	4	0	0	3	0	1
AC137630	39	31	29	29	19	18
AL645608.	0	0	0	0	0	2
AC080013	29	11	37	23	14	23
AL118558.	9	5	3	0	0	5
AL158850.	12	8	18	15	23	27
AL135925.	172	105	133	137	92	82
AL139246.	119	108	175	127	71	51
AL391244.	129	53	180	124	103	99
AC087045	0	0	0	0	1	0
AC113194	0	0	0	0	0	0
AC139795	0	1	0	4	3	3
AP005328.	1	3	0	0	0	0
U91328.1	458	262	557	451	454	278
AL357054.	98	46	104	61	25	57
AL031768.	68	14	70	44	21	40
AL021807.	33	30	66	55	173	75
AL512283.	0	2	2	0	2	1
AC006273	0	3	0	0	0	0
AL024507.	29	13	18	19	17	11
AC144521	610	194	337	391	171	467
AL020996.	12	2	6	2	5	1
AC010857	6	2	8	14	0	0
AC254633	2	4	7	4	4	6
AC022001	37	8	10	6	10	3
AL392183.	4	0	0	0	0	0
AL132656.	67	74	141	90	53	80
AL109659.	11	10	9	7	17	22
AC090948	411	175	309	299	104	269
AL662844.	609	600	992	477	327	330
AC104958	61	3	55	99	24	35
AC104964	172	70	194	94	54	167
AL357078.	58	23	42	30	17	37
AL136982.	0	0	0	0	0	0
AC087752	75	19	34	49	39	88
AL121992.	5	1	3	6	0	3
AL645608.	20	25	25	17	13	5
AL355578.	0	0	0	0	0	0
AL158211.	16	1	7	0	5	10
AC036214	231	123	174	173	113	155
AC079610	0	0	0	0	0	0
LINC01023	5	0	1	2	7	5

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AC090948	507	198	345	384	157	353
AC005014	0	0	0	0	0	1
AL662797.	54	26	54	22	17	28
AL021368.	15	10	12	4	5	16
AL137246.	25	27	10	4	4	27
AC023813	12	4	7	2	4	0
LINC02538	0	0	0	0	0	0
AC017048	0	0	0	0	0	0
AC012087	0	0	0	0	0	0
AC009974	14	20	27	20	10	20
U91328.2	13	1	9	6	7	6
AL512343.	73	27	33	33	22	30
AC016745	9	10	26	15	8	7
AC012511	31	7	18	18	3	15
AF250324.	2	0	0	0	0	0
AC109347	20	13	20	12	13	24
AC005162	18	2	6	10	5	3
AL138762.	35	4	32	14	10	12
AL596325.	34	55	98	96	33	28
LINC02098	0	0	0	0	0	0
AC027271	53	16	33	29	19	37
AL031587.	3	6	0	2	11	5
AL592494.	18	0	9	5	8	11
AC139887	57	34	44	38	22	41
ZSWIM8-A	321	221	454	332	281	280
AL451049.	0	0	0	1	0	0
AL359091.	85	49	100	87	77	55
AC063944	0	0	0	0	0	2
AC016394	184	103	155	174	77	122
AC007308	2	0	8	7	6	2
AC073073	130	49	111	98	58	95
AC015982	134	70	122	129	106	75
AC016252	0	0	0	0	0	0
MAGI1-IT1	0	0	0	0	0	6
AC093673	0	0	0	0	0	0
AFAP1-AS	2	4	69	10	6	3
AC010735	0	0	2	0	2	3
AP000919.	115	76	90	89	90	100
AC021146	0	0	0	0	0	0
AC016542	93	36	74	68	37	67
AL731563.	440	205	445	320	257	296
AC067750	3	6	19	16	0	7
AC097504	148	71	210	138	151	243
AC006504	2	0	0	1	2	2
AC006027	111	36	93	79	32	36
AC015712	0	0	0	0	0	0
AP003121.	0	0	0	0	0	0
AC097468	69	17	69	39	21	36
AC079766	13	3	13	2	4	14
AC110792	281	121	220	229	187	184
AL358472.	50	17	77	26	16	39
AC024933	9	4	0	0	0	3
AP000317.	105	64	108	79	44	94
AC090425	6	0	10	2	3	3
AC021097	25	15	22	8	9	20
AC073352	5	1	11	7	3	3
AC093635	2	0	3	4	0	2

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AC012306	64	46	117	109	61	71
AL590560.	245	205	162	200	189	329
AL021707.	96	103	142	47	46	33
AL391497.	80	16	41	50	20	56
AC124016	66	77	104	81	59	30
AC112503	7	3	1	9	5	8
AL355987.	139	61	157	126	84	95
FAM223B	23	30	50	36	38	37
AC004471	3	0	4	0	5	9
AC006333	210	89	179	139	81	144
AP005329.	233	80	140	117	182	135
AC004832	112	50	98	150	81	81
LINC02018	90	44	114	51	64	89
AC092807	3	2	0	2	0	0
AC010997	2	0	4	2	0	3
Z94160.2	4	0	2	2	0	2
GAS6-DT	0	2	0	0	0	3
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MESTIT1	4	3	18	6	12	3
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AP005137.	2	2	0	0	0	2
AC046143	9	11	19	29	6	15
AC019069	80	18	25	41	27	42
AL157904.	0	0	0	0	0	0
AL121658.	11	2	8	27	20	6
AC112236	6	0	2	8	18	3
AC006483	2	4	2	2	0	2
AL022322.	16	17	29	28	26	10
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LINC02266	0	0	0	0	0	0
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AC004982	48	19	58	64	31	38
AP000345.	21	6	16	12	13	8
ADIRF-AS1	200	169	196	190	163	297
AC007881	29	40	70	43	23	18
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AC004948	21	12	15	10	6	19
AP005131.	404	195	343	415	253	302
AC063962	0	0	0	0	0	0
AL592148.	417	175	257	231	144	296
STAG3L5P	5544	3387	6732	5882	3384	4245
AL133245.	318	189	235	249	171	197
AC245297	56	18	43	44	17	61
AC083798	356	88	186	199	130	164
AC093726	4	3	3	3	3	4
AC115284	42	30	78	67	36	33
AC103702	19	4	18	41	13	27
AL596094.	37	7	29	20	8	17
JMJD1C-A	6	16	20	12	6	9
AC004854	42	42	70	64	49	24
AC097532	0	0	0	0	0	0
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AC112219	0	0	1	0	0	0
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AC147067	2	1	1	0	0	3
AC019193	0	0	0	0	0	0
AC253536	6	25	40	130	54	2
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AC010976	3	0	0	0	4	0
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AC126283	1	2	4	5	1	3
AC092954	0	0	0	0	0	0
AL008721.	1	0	3	5	0	0
AC006238	15	13	19	19	13	13
AC021851	100	35	80	85	31	67
AC004080	0	0	0	0	0	0
AC007038	486	215	433	379	272	418
AC015712	6	15	26	16	13	15
U91328.3	13	8	19	4	9	8
AC004908	204	78	107	142	100	99
AC093732	1	1	6	6	0	1
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AL359198.	0	0	3	3	0	0
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AL445423.	2	0	12	2	5	6
AC245100	14	4	16	22	0	20
AL844908.	185	45	175	95	96	110
AC002470	0	3	0	12	1	3
AC027644	159	146	207	245	175	135
AC022296	11	4	2	15	6	5
AL022238.	16	9	21	9	9	12
AL022328.	8	11	38	30	23	19
AC011899	44	9	46	30	12	24
AC092902	10	0	14	4	0	0
AL139393.	37	20	42	16	20	18
AL391834.	27	6	22	10	5	33
AC211476	5	4	8	8	6	6
AC074044	15	19	47	6	24	13
AL135910.	6	2	4	10	0	0
AC084018	0	6	7	0	2	4
AC096772	13	8	5	7	13	10
AC069544	24	8	19	19	6	13
AC004839	2	5	0	3	0	0
AC104458	0	0	5	2	4	4
AC112250	0	0	0	0	0	0
Z93930.3	201	57	142	165	136	134
AC012360	7	1	2	4	16	9
AC106052	0	0	0	8	0	0
AC135803	14	7	11	4	4	8
AL591686.	0	0	0	0	0	0
AL135786.	17	3	6	16	11	3
AC097534	54	15	58	46	19	41
AL159169.	271	80	100	112	122	128
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AL034548.	0	0	0	0	0	0
AL161734.	0	2	0	0	0	0
AC113189	102	103	186	142	138	104
AC092574	14	0	2	4	1	2
LINC01578	10753	8015	17114	12527	7978	9222
AL133551.	17	6	14	12	7	15
AC004982	80	54	85	71	48	74
AC009303	0	0	2	0	0	0

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AL390726.	13	6	20	21	12	9
AC018648	0	0	20	0	0	3
AL353708.	103	100	104	86	49	74
AC006033	750	262	799	866	259	457
AL122035.	94	81	79	117	50	93
AC090425	24	24	40	21	20	13
AC005696	16	11	12	25	9	17
AL356608.	11	7	3	3	1	4
AC009237	16	16	19	44	18	8
AL359532.	83	31	33	30	44	35
AC018635	1	3	0	0	0	1
AC010186	249	312	981	495	320	391
AC005070	780	513	909	708	444	539
hsa-mir-1	0	0	0	0	0	0
AC107294	0	0	0	0	0	0
AC092139	101	51	74	120	77	73
AC107464	100	48	115	72	46	81
AC099568	52	18	51	27	23	31
AL391121.	72	37	98	61	38	53
AL390726.	14	7	17	14	14	13
AC096586	34	22	49	37	26	36
U62317.3	14	2	7	2	8	1
AC083862	390	435	541	313	206	259
AL022324.	0	0	0	0	2	0
AC079834	0	0	4	1	4	6
AL356299.	18	0	15	9	10	13
AP001412.	7	5	6	15	0	4
AC093799	4	1	0	2	0	0
AC092171	8	3	8	9	6	12
AP000553.	7	5	18	8	11	6
AP000322.	0	0	0	0	0	0
AC064836	55	10	19	5	9	26
AC073352	2	13	32	8	3	0
AC024243	0	4	2	12	0	0
AC107294	4	0	6	2	14	5
AL365181.	0	0	0	0	0	0
AP000350.	6	0	2	2	1	6
MYHAS	0	0	0	0	0	0
AL008721.	720	320	1394	751	649	617
AC093388	14	15	36	5	29	16
Z94721.2	2070	1098	2164	1453	1168	1662
AL355816.	55	19	43	57	26	27
AL117339.	186	12	91	69	55	91
AC007349	0	1	5	0	2	0
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AC022392	14	13	1	16	1	10
LINC02012	40	19	34	45	10	36
AC084036	114	40	58	107	54	79
AF129408.	12	0	5	2	1	8
AC012360	320	171	428	430	235	196
AC097505	12	0	8	3	0	0
AP000347.	644	768	854	1098	1010	194
AL731533.	7	0	7	18	9	7
AL355388.	111	17	32	45	53	49
AL078644.	46	57	61	46	32	21
AC009229	6	2	1	5	11	2
AC021205	22	2	33	15	16	22

AC010864	59	16	33	31	9	10
AL360270.	22	0	34	16	4	4
AC092681	25	8	3	15	0	24
AL353600.	0	0	2	0	0	2
AC117490	0	0	2	0	0	0
AC018645	38	11	21	3	11	13
AC008124	2598	1200	2702	2257	1818	1617
AP000240.	232	82	174	135	82	144
FAM106A	648	142	1764	2500	697	898
AL358472.	6	0	16	3	7	6
AL844908.	17	3	13	7	4	7
DGCR9	4	3	16	11	12	6
LINC02035	1938	1097	1866	1458	1585	1700
AC007684	73	27	37	71	38	48
AL365203.	411	178	253	278	226	324
AL022334.	0	0	0	2	0	0
HOXC5	0	3	21	14	0	0
AC005046	14	18	18	12	14	14
AL354694.	31	15	18	23	13	16
AL359921.	40	10	41	21	13	43
AC239803	34	16	18	45	17	27
CDC37L1-	26	10	11	15	8	18
AL449106.	54	28	64	33	43	30
AC007250	0	0	0	0	0	0
AC017083	61	38	50	37	52	39
AL355987.	250	175	394	310	182	177
Z99755.2	0	0	0	0	0	0
AC211433	0	0	0	0	0	0
AC073869	4	2	5	0	0	7
AL021707.	16	44	15	15	10	11
AC110609	0	0	0	0	0	0
AC009309	18	8	4	12	8	10
Z73429.1	0	0	0	0	0	0
AC092171	23	6	16	4	3	6
AC007378	26	4	8	35	16	13
AP000255.	22	5	15	4	3	5
AC097065	0	2	0	0	0	0
AL021707.	192	120	284	219	109	182
AC005303	0	0	0	0	0	0
AL596442.	0	0	0	0	0	0
AP000569.	4	0	0	2	0	5
AP000322.	7	2	1	6	3	2
AC019129	9	0	22	4	2	0
AL512598.	7	2	8	14	11	9
AL121929.	115	25	86	123	49	40
AL162591.	6	9	9	4	3	6
AL590385.	644	695	731	612	455	649
AC133528	9	0	0	0	0	0
AP001596.	0	0	0	0	2	0
AC144652	66	82	194	108	117	77
AC093865	21	6	17	15	7	19
AP005229.	0	0	0	0	0	0
AC020634	0	0	17	8	14	1
AL365434.	0	1	0	0	1	0
LINC01990	0	0	0	0	0	0
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AL355312.	0	0	0	0	0	0
AC116651	181	91	163	224	65	67

AL022328.	62	30	24	21	31	16
AC005021	0	0	2	0	0	0
AC007663	36	4	5	12	7	15
AP001269.	21	4	11	7	10	12
AC073335	152	58	178	105	108	126
AL355512.	4	5	3	5	13	2
BX537318.	12	7	5	4	4	4
AL035563.	267	99	158	218	117	142
AL138963.	85	50	106	58	42	54
AC073957	480	168	349	609	253	261
AC067747	151	45	78	114	26	88
AC124016	161	65	54	107	79	116
AL359962.	494	268	772	589	255	358
AL133215.	8	6	8	0	6	7
DGCR10	1	0	1	0	0	0
AL121652.	305	87	139	197	84	180
LINC02091	0	0	3	2	0	3
AC108673	11	36	60	15	36	20
BX323046.	6	9	15	8	2	2
AL008635.	8	14	21	3	3	3
AC092954	0	0	0	0	0	0
AC092535	41	14	60	21	12	9
AC019193	0	0	0	0	0	0
AC131235	14	0	3	1	3	1
AC093726	90	58	56	58	40	56
AC010655	496	262	722	607	295	372
AL359091.	7	0	8	0	2	0
AL022328.	6	9	25	23	24	7
AC010619	519	220	505	442	225	356
AL671710.	147	100	134	154	100	91
AC062037	8	4	7	5	6	7
AL096803.	19	9	16	15	6	1
AP000692.	1	5	8	7	8	3
AC006946	67	19	80	67	66	28
AC104506	3	2	2	1	3	4
AC069148	0	0	0	0	0	0
AP001437.	15	14	15	9	6	9
AC137630	22	9	32	19	3	12
AC000068	1	2	11	5	5	3
AC239798	25	21	15	25	25	24
AL031587.	4	3	2	1	0	0
AC002059	14	4	27	12	15	13
AC005776	35	14	36	40	16	26
AC091736	16	5	4	2	2	7
AL355816.	652	227	480	404	169	477
AL391834.	170	57	104	131	58	91
AC102953	170	76	126	94	119	157
AC090912	2	2	5	4	1	2
AC097724	2	3	4	2	0	0
AC013468	36	8	22	27	38	46
Z82243.1	199	93	359	219	189	160
AC005301	0	0	0	0	0	0
AC092653	282	120	275	214	168	193
AC097376	875	476	248	702	404	629
AC010997	0	6	0	0	0	0
BX649632.	15	7	12	6	7	8
AL022328.	130	76	184	132	83	89
AF129075.	7	6	10	13	9	5

AC069200	4	0	3	4	3	5
AC016737	12	1	13	8	14	8
AC092953	18	12	11	9	8	15
AL121928.	25	13	14	4	3	6
AL360219.	1	0	0	0	0	0
CNNM3-D	64	20	32	50	33	47
AC097381	0	0	4	0	0	0
AC090114	499	284	651	314	267	401
AP000254.	183	77	132	167	86	113
U62317.4	18	70	37	34	12	4
AC017083	35	9	32	19	7	15
AP001033.	727	383	560	533	371	511
AL008718.	0	0	0	2	0	6
AL121672.	12	11	37	46	18	21
AC093458	2	3	0	1	0	1
AP000350.	1680	406	1177	0	640	1308
AC009275	6	0	7	4	2	0
AC006153	5	3	6	5	4	2
AC000068	10	5	23	10	6	9
AC016717	0	12	0	0	4	2
AC016747	14	8	50	13	4	16
AC009237	2	1	1	2	3	11
AC018690	91	62	105	91	44	56
AC024560	0	0	0	0	0	0
DGCR11	745	555	1030	732	483	611
AL121749.	7	0	0	6	0	0
RBAKDN	7	0	4	6	0	9
AC005229	51	15	51	86	48	48
AC058791	35	50	96	49	40	36
AC007032	41	440	322	39	31	22
AC023983	2	0	0	0	0	0
AL008723.	2	2	2	4	10	7
AC099329	3	0	6	14	4	3
AC078846	1402	391	1057	1026	607	851
AL662884.	959	707	1031	758	581	644
AP005432.	3	0	4	3	4	2
AC103591	2	19	23	3	24	5
AC004921	11	3	8	6	8	4
AP000553.	0	0	0	0	0	0
AC007663	67	32	78	76	31	98
PAXIP1-AS	365	181	507	277	240	302
AC104109	424	364	686	484	337	358
AC027449	26	2	47	27	20	30
AC004832	7	7	9	9	3	1
AL008718.	81	74	108	118	50	94
AP000894.	6	4	31	13	25	10
LINC02019	207	101	295	299	231	196
AC022017	0	0	0	0	0	0
AC021016	45	22	42	14	24	32
AP000547.	0	0	0	0	0	0
AL353801.	96	10	31	43	29	34
AL451074.	5	0	18	15	20	5
Z83851.2	21	11	28	41	6	15
AL355472.	12	1	0	5	0	5
AC006566	12	11	9	17	14	32
AC096586	9	7	18	7	7	10
AC108747	1	0	0	3	0	0
SFTPD-AS	0	0	2	2	1	0

AL355488.	1222	535	1324	1221	957	977
AC069222	17	6	20	31	0	8
AC055764	76	33	52	68	40	50
AL158071.	102	59	67	96	38	52
AL356488.	53	56	45	39	21	22
AL137796.	9	7	26	15	12	6
AC005005	24	7	14	15	8	5
AC005291	0	0	0	0	0	0
AC083880	11	7	2	3	0	7
AC128687	0	0	0	2	0	0
LINC01396	1	1	0	2	4	0
AL159169.	90	21	40	25	36	39
AC004908	37	17	11	66	9	17
AC107294	0	0	0	0	0	0
AC245008	4	0	0	4	0	0
AC069294	12	4	5	4	0	7
AP003481.	0	0	0	0	0	0
AL136982.	0	0	0	0	0	0
AP000904.	21	2	37	23	9	26
AL732292.	8	8	13	1	13	8
AC004877	105	35	82	62	49	34
AC008738	21	40	50	25	18	42
AL008582.	29	9	23	30	22	45
AC004832	22	21	22	20	18	26
AC004951	83	0	112	94	10	67
AC004080	0	0	0	2	0	9
AC108673	90	38	66	53	48	41
AC006946	2	2	21	5	11	14
AL645608.	0	0	0	0	9	0
AC133644	68	22	55	19	28	89
AC004067	206	54	67	134	61	131
AC006480	178	68	141	118	89	85
AC093788	182	77	125	135	56	117
AL139124.	17	6	13	18	2	11
AL031666.	127	56	155	97	130	120
AC112503	54	10	40	45	34	31
AC072039	12	7	10	3	7	4
AC064836	29	12	23	31	12	21
AC105265	2	0	0	0	0	0
AP000238.	31	12	44	33	40	26
AC012510	109	43	79	58	57	63
AC112229	5	0	0	6	6	0
AC096733	99	34	74	44	42	36
BX649601.	13	0	4	2	0	6
AL157392.	7	2	19	8	4	13
AL133215.	9	1	1	5	2	2
AL391069.	0	0	0	0	2	0
AL354760.	7	6	3	12	6	3
AL139339.	13	9	20	13	4	7
AC096992	202	75	176	146	71	131
AC104836	16	5	4	15	6	12
AC008264	44	14	25	18	10	14
AP000229.	0	0	0	0	0	0
AC098479	1	1	6	7	4	5
AL354809.	47	20	37	30	18	20
AL162274.	62	19	58	68	38	41
AL139082.	0	0	0	0	0	0
AL354810.	0	0	0	0	0	0

AC120498	0	0	0	0	0	0
AL136439.	4	0	0	0	0	0
AC016597	17	12	10	11	13	10
AC008781	5	0	7	4	2	2
AL512310.	0	0	0	0	0	0
AL691403.	4	23	10	5	11	12
AC131009	122	53	105	68	44	66
AC009283	188	156	280	229	143	173
AC009093	7	5	11	10	5	5
AC096708	9	2	16	13	4	6
LINC02348	2	3	5	2	6	7
AL731571.	130	105	138	174	71	61
AL135999.	26	2	22	35	12	22
AL121832.	70	29	74	93	33	50
AL139260.	895	674	1262	1110	656	828
AL512310.	0	0	0	0	0	0
AC100793	0	0	0	0	0	0
AC108125	0	0	0	0	0	0
AC010776	0	0	0	0	0	0
AC015819	123	54	80	131	56	83
AC021752	19	13	27	22	12	5
AC009318	276	95	195	198	149	168
AC004223	5	3	25	10	7	11
AC087284	476	298	482	355	351	331
AC091271	26	26	40	33	16	38
AC005520	12	5	25	12	5	1
AL139089.	35	36	20	33	22	22
AC007686	631	247	623	364	312	294
AC011472	0	0	0	0	0	0
AC022558	34	3	17	22	1	12
AL117379.	288	160	397	337	218	262
AC245041	0	0	0	0	0	0
AC024257	15	3	11	12	11	19
LCA10	0	0	0	0	0	0
AC024337	0	0	0	0	0	0
AL136040.	11	3	14	24	33	8
AL137058.	190	109	223	183	87	167
AC020658	3	0	0	0	0	0
AC022898	0	0	0	0	0	0
BX322562.	0	0	0	0	0	0
AL133445.	248	218	357	194	159	139
AC083805	0	0	0	0	0	0
BX640514.	3	7	14	2	0	5
AC005695	18	10	39	30	21	15
AL096828.	1	1	2	2	1	2
AC008033	160	227	1005	697	600	446
AL133227.	8	5	10	9	2	4
AC018755	0	0	201	84	281	166
AL109954.	0	0	5	0	0	4
AF254983.	2	0	9	0	1	0
AC023158	0	0	0	0	0	0
AC020658	57	25	79	42	32	42
AC236972	0	0	0	0	0	0
FRMD6-AS	49	15	53	33	17	19
AC034102	4	0	0	4	4	0
AL731566.	5	3	2	4	0	6
AL133520.	85	28	42	68	25	51
AC012313	2	3	0	0	0	1

AC011297	0	0	0	0	0	0
AL450423.	0	0	0	0	0	0
AC103858	8	8	13	13	14	12
AC104260	0	0	0	0	0	0
AC084757	7	4	1	6	1	3
AL031667.	244	96	163	142	128	128
AC005632	0	0	0	0	0	0
AC009560	3	0	3	3	2	0
AC243654	0	0	2	0	0	0
AC009163	0	0	0	1	1	0
AC068722	70	65	21	80	53	29
AC025162	9	3	8	4	1	4
AL592071.	5	2	2	0	2	1
AC005746	0	0	2	2	0	0
AC121761	83	21	38	42	24	15
AC022079	148	54	94	86	59	87
AL049794.	5	0	0	0	0	0
AL512506.	23	19	31	9	11	19
AL135999.	0	0	0	0	0	0
AL136038.	41	25	41	55	19	23
LINC01138	1363	420	702	1285	594	586
AC024909	230	184	308	259	129	124
AL360169.	38	30	54	54	25	30
AC069209	17	10	38	23	15	16
AC092140	9	12	4	8	3	7
AC007014	69	36	71	46	47	45
LINC01660	0	2	0	0	0	0
AC005089	0	2	0	0	0	0
AL354821.	0	0	0	0	0	0
AC106739	19	14	13	11	2	2
AC009032	284	215	382	269	159	291
AC020910	66	57	68	56	34	14
AC084824	53	34	67	65	24	64
AC074029	2	7	8	14	11	8
AC027807	0	0	1	0	0	0
AC090164	6	0	3	0	1	0
AC008121	12	6	14	4	3	1
AL133243.	74	29	89	79	60	64
AL035661.	17	17	22	5	3	13
AC004528	60	22	103	35	29	28
AC011815	26	0	16	7	6	8
AC026333	10	4	16	12	12	20
AC025521	0	0	0	2	0	4
AL138689.	2	0	3	0	0	0
AC015912	22	60	54	29	10	14
AC106028	2	13	9	0	7	0
AC009163	49	19	30	16	19	11
AP001065.	8	4	6	0	8	0
AC073575	55	12	61	51	30	44
AC097478	0	0	0	0	0	0
AC243585	0	0	0	0	0	0
AJ011932.1	0	0	0	0	0	0
AP003419.	22	15	26	24	11	16
AC138649	12	2	11	6	13	11
SYNGAP1-	23	1	15	13	15	9
AL137078.	0	0	0	0	0	0
AC245297	582	344	821	551	360	548
AL031665.	3	3	10	8	13	7

AL137060.	49	28	64	53	13	33
AC069281	5752	4168	8251	5434	3713	4593
AC009831	101	47	58	137	39	52
AC022929	0	1	3	3	2	3
AC084018	103	38	105	76	44	58
AC015660	7	7	15	12	2	7
AC009269	27	13	18	16	5	9
AC023449	491	217	611	534	301	280
AC015722	0	0	0	0	0	0
AC009318	244	116	78	131	85	130
LINC02334	0	0	0	0	0	0
AL355974.	0	0	0	0	0	0
CU633967	100	57	109	70	0	214
AC032011	1	0	4	0	5	2
AC005899	45	24	55	37	28	48
AC105105	0	0	0	0	0	0
AC087742	2	0	4	11	0	5
AL110115.	32	47	67	56	38	34
AC004233	0	0	3	0	0	0
AC130371	199	199	429	319	246	120
AC239803	14	5	16	10	8	2
AC148476	7	16	22	22	0	12
AL121612.	0	0	0	0	0	0
AC103691	221	81	201	124	130	128
AC097634	3	0	3	0	3	0
AC126177	0	0	0	0	0	0
AC015967	131	42	98	145	48	45
AC090510	26	20	34	30	20	20
AL121772.	12	0	8	5	14	6
AC241644	0	0	0	0	0	0
AL162390.	194	109	157	177	172	197
AC245060	355	86	297	194	126	224
AC114271	201	175	363	196	146	139
AC145423	12	13	7	5	4	5
AC008957	0	0	0	0	0	0
AC078909	0	0	0	0	0	0
AC005790	3	0	0	0	0	0
AC092119	151	70	196	224	105	111
AL391425.	0	0	10	0	5	9
LINC01746	0	0	0	0	0	0
AC009154	0	0	0	0	0	0
AL121768.	0	0	0	0	0	0
AL121845.	15	7	17	6	14	5
AL121772.	1	0	0	0	0	0
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AC090970	0	4	3	1	2	0
AL034397.	2519	1763	2155	1329	1374	2068
AC083806	10	8	3	2	2	2
AC010205	0	0	1	1	0	0
AC005332	295	121	272	240	167	231
AC080038	5	1	2	2	2	0
AC006249	0	0	4	0	0	0
AC025031	154	141	253	210	129	93
AC087893	106	91	207	116	74	122
AL355338.	19	9	14	24	16	4
AC007671	0	3	2	0	0	3
AL669942.	61	0	68	74	15	32

AC073052	6	0	8	9	0	9
AC125257	3	4	5	9	1	4
AL157817.	0	0	0	0	0	0
AC106782	5	0	19	6	3	4
AC022467	3	0	2	2	0	0
LINC02371	0	0	0	0	0	0
AC090517	142	67	117	185	70	86
AC137590	0	0	0	0	0	0
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AC106886	20	3	21	9	28	21
AC015540	0	0	0	0	0	0
AL360181.	0	0	0	1	0	0
AC108704	5	16	25	7	5	6
AC099521	3	0	3	0	0	0
AC005332	853	388	843	824	391	567
AL136964.	0	0	0	0	0	0
AC012653	2	0	1	0	0	0
AC079906	12	0	0	0	0	0
AC004466	115	53	202	118	91	127
AC120498	23	19	41	38	21	18
AC006435	7	8	8	4	2	4
AL049777.	0	0	0	0	0	0
AC018926	72	34	124	76	51	62
BX072579.	0	0	2	0	0	0
AC243829	703	299	629	59	141	380
AC016747	161	72	172	98	68	94
AC090241	66	20	30	56	29	50
AC008121	21	8	9	3	4	30
AC025166	0	0	0	0	0	0
AC004825	12	3	13	0	4	2
AL023803.	2	1	2	4	0	7
LINC01297	7	0	2	5	0	3
AC068473	147	63	133	125	71	101
AC110285	3	0	0	3	0	0
AC010333	0	0	2	0	0	1
AC132807	0	0	0	0	0	0
AC023043	1	0	3	1	0	2
AC131238	1	1	0	0	2	1
AL135936.	0	0	0	0	0	0
AC087241	120	104	231	221	118	120
AL136317.	2	0	5	11	0	12
AC011700	0	0	0	0	0	0
AC001226	14	9	8	4	5	5
AC004241	21	4	12	24	11	15
AC093512	24	2	13	18	6	18
AC116447	18	15	25	19	10	19
AL139384.	216	74	172	171	150	176
ZKSCAN2-	1003	277	773	793	337	523
AL157813.	73	30	107	57	31	57
AC090826	0	0	0	0	0	0
AC079684	136	150	391	265	209	127
AL109804.	65	37	127	32	52	79
AC090971	48	42	106	55	38	46
NKAIN3-IT	0	0	0	0	0	0
AC026356	189	112	231	172	157	141
AC087588	4	0	0	0	2	3
AC020656	176	30	92	97	60	144
AC092794	75	36	61	39	33	52

AC254629	0	2	0	8	0	0
AC013564	3	2	12	3	6	4
AC006449	0	0	0	0	0	0
AL354950.	6	0	0	0	0	5
AC015574	0	0	0	0	0	0
AC005383	0	0	0	0	0	0
AC002401	0	0	0	1	7	0
AC091980	0	0	0	0	0	0
AC009159	4	4	2	6	2	7
AC011468	34	25	58	48	13	19
AC020663	167	232	458	378	191	210
AC026469	4	0	0	0	2	0
AC022098	0	1	5	4	2	1
AL031710.	95	111	189	171	80	112
AC024940	350	170	362	245	209	292
AC025594	196	84	159	183	111	113
AC244131	53	17	22	21	8	47
AC048382	172	80	240	201	140	151
AL133492.	2	0	4	0	0	0
AC027348	0	0	0	0	0	0
AC005391	28	28	59	25	33	31
AC243571	0	0	0	0	0	0
AC106028	0	0	0	4	0	0
AC018529	5	3	12	13	2	7
AL118508.	0	0	0	0	0	0
AC048341	272	107	211	240	167	139
AC130324	19	10	30	15	15	19
AC018445	5	4	6	5	2	1
AC007497	7	4	4	9	2	2
AC092794	0	1	2	0	0	1
AL512791.	49	35	77	43	33	44
AL161421.	59	25	62	33	30	36
AC245884	151	49	119	84	103	95
AC005186	0	0	0	0	2	0
AL161431.	0	0	0	0	0	0
AL121906.	34	9	18	12	14	24
LINC00547	0	0	0	0	0	0
AC024257	11	0	3	18	3	11
AC073578	0	0	0	0	0	0
AC010503	6	5	9	11	5	15
AC009120	32	8	26	32	10	29
FAM242F	2	0	0	0	0	0
AL355810.	0	0	0	2	0	0
AC135048	10	5	3	0	0	1
AC127002	0	0	3	0	0	0
AC012150	0	2	3	3	3	13
AL391095.	0	0	0	0	0	0
AC025253	3	7	8	7	2	2
LINC02340	11	6	9	8	7	4
AL162731.	7	4	16	8	2	4
AC103746	0	0	0	0	0	0
AL354950.	7	0	0	2	6	3
AL138781.	11	7	14	6	8	6
AC103691	15	6	14	13	7	19
AC010999	10	7	13	5	3	3
AC091167	5	0	18	4	5	7
AL080312.	0	0	0	0	0	0
AC092111	103	51	118	79	63	41

AC012645	3	19	25	6	1	2
AC126773	70	21	35	76	44	62
AC068790	21	17	17	21	9	11
AL353626.	0	0	0	0	0	0
AL445493.	2	3	2	0	0	0
AC018695	73	27	43	46	48	35
AL391095.	39	15	28	54	26	28
AC026367	36	12	31	41	15	31
AC002553	238	99	148	170	104	115
AC068726	12	5	3	2	9	7
AC104971	43	9	12	18	14	15
AC253576	120	50	58	77	35	111
AF067845.	0	0	0	0	0	0
AC244100	57	17	38	73	38	40
AL121832.	244	253	513	371	225	173
AL031008.	39	15	37	26	28	33
AC020765	4	10	25	8	7	5
AC012409	0	0	0	0	0	0
AC092119	18	5	5	12	5	6
AL845472.	6	16	0	0	12	0
AC105020	111	57	116	166	72	101
AL117332.	27	16	32	31	6	18
AL449403.	0	0	4	0	0	0
AC083806	15	15	22	9	1	15
AC009318	35	33	31	21	34	41
AC087741	4	1	0	0	1	0
AC025031	1507	495	1204	807	550	754
AP003419.	5	9	31	9	1	3
AL512652.	30	22	30	19	6	16
LINC0173(	126	48	170	106	66	118
AC133552	4	12	14	15	1	3
CU633906	35	0	12	66	0	88
AC007998	0	0	0	1	0	3
AC100791	0	1	0	0	0	2
AC100835	5	8	8	11	6	3
AC006449	12	2	5	6	3	4
AC027601	0	0	2	0	0	0
STPG3-AS	31	29	56	36	28	25
AC243965	0	0	6	0	0	0
AC242842	274	136	320	245	139	251
AC008115	917	363	968	873	401	732
AL929601.	0	0	0	0	0	0
AC008250	0	0	0	0	0	0
AL355073.	72	45	62	60	67	58
AL049539.	173	111	279	193	159	97
AC022306	147	27	95	139	69	89
AL031670.	5	8	5	0	0	2
AC011330	47	30	65	51	20	36
AC104237	0	0	0	0	0	0
AC243830	5	2	5	1	3	3
FLJ16779	0	0	0	0	0	2
AC004816	2	3	2	0	0	0
AL035461.	42	27	58	34	20	37
AC021755	2	0	0	0	3	0
AC011939	197	141	183	213	139	205
AC068338	18	6	8	8	8	6
AL445584.	0	0	0	0	0	0
AC006449	28	30	60	47	14	18

AC025580	0	0	0	0	0	0
BX005040.	0	8	14	8	0	0
AL133320.	0	0	0	0	0	0
U47924.3	15	2	15	10	4	9
AC090527	7	0	10	6	0	4
AC007485	0	0	0	0	0	0
AC008622	18	14	27	15	17	13
AC243830	22	7	14	24	9	14
AL049794.	0	0	0	1	0	0
AC010538	56	19	32	41	51	44
AL162497.	8	10	13	11	6	0
AC026367	50	24	31	50	21	57
C18orf65	0	2	3	8	7	8
AC092747	830	586	992	940	498	695
AC091982	29	11	30	16	24	15
AC068792	38	21	46	16	22	17
AL590227.	0	0	0	0	0	0
AP001059.	29	6	10	10	4	10
AC090206	0	0	0	0	0	0
AC145285	74	19	97	61	51	48
AL121829.	0	0	0	0	0	0
AL355974.	0	0	0	0	0	0
AL513548.	100	22	22	41	25	23
AC005912	1	0	4	7	0	2
LINC01742	0	0	0	0	0	0
AC084824	107	38	103	75	50	104
AC009133	60	33	65	33	10	25
AC131025	0	0	0	0	0	0
PICSAR	0	0	0	0	0	0
AL139385.	6	2	16	5	0	11
AC132872	65	132	246	58	77	47
AL021578.	2	8	22	26	4	0
AC021491	22	9	11	9	14	6
AC125603	0	12	10	10	0	0
AC139530	3	4	2	0	1	0
AC138932	0	7	45	0	53	38
AL160413.	0	0	0	0	0	0
AC009152	105	61	177	128	98	122
AC004263	8	10	13	1	4	2
AC244100	5	0	5	8	4	10
AC008115	24	1	20	37	20	23
AL355001.	62	31	109	93	57	63
AC091544	0	0	0	0	0	0
AC110285	4	5	1	2	0	5
AC109809	9	3	9	13	4	15
AC079414	97	82	116	86	45	104
AL160153.	0	0	0	0	0	0
AL031665.	0	0	4	2	3	6
AC073534	20	10	12	23	4	16
AC243654	0	0	0	0	2	0
AL391262.	4	0	3	8	0	7
AC074138	70	47	37	60	50	116
AC027682	5	7	6	8	16	21
CU633904	20	0	0	0	0	95
AC040896	16	5	13	2	5	16
AL132822.	0	2	2	0	0	0
LINC01663	0	0	0	0	0	0
AC006538	66	92	149	63	100	62

AC027601	13	8	32	17	3	19
AC037198	30	7	49	13	516	51
AC242988	0	8	0	0	3	0
AC026356	204	90	197	175	168	160
FUT8-AS1	43	24	69	42	34	24
AC122108	0	0	0	0	0	0
AC026336	0	0	0	0	0	0
AL591441.	21	2	7	6	7	0
AC009118	9	2	12	0	0	0
AC016957	717	404	507	493	216	387
AC233309	10	6	13	0	0	0
AC084824	77	69	132	79	46	70
AC092118	7	0	2	10	1	2
AC244153	0	0	0	0	0	0
AC087683	94	54	98	114	65	72
AL163051.	628	294	541	432	295	545
AC069234	12	0	22	19	7	16
LINC00226	0	0	0	0	0	0
AC245014	116	60	114	90	80	60
AL118522.	0	0	0	0	0	0
AC006064	15169	14481	20702	18026	8674	16877
AC243829	17	7	45	7	13	11
AL442125.	355	109	311	232	192	250
AC127024	8	6	18	3	11	5
AC007786	0	2	0	0	0	0
AL136379.	439	58	160	171	135	253
AC009118	62	24	57	40	27	33
AC009509	0	0	0	0	0	0
FP325318.	0	0	0	0	0	0
AL355974.	0	0	0	0	0	0
AC024884	3	3	5	5	6	6
AC048382	75	43	83	53	44	75
AC022960	259	143	203	169	103	160
AC131159	10	2	11	6	8	12
AC078880	0	0	0	0	0	0
AL357033.	51	23	53	39	16	23
AL133243.	780	415	862	867	636	618
AC105429	386	240	437	306	169	240
AL353770.	0	0	0	0	0	0
AC016876	4	1	2	4	0	0
AC004241	48	29	67	48	41	53
LINC01879	0	0	0	0	0	0
FLJ36000	0	0	0	0	0	0
AC105105	0	0	0	0	0	0
AC015726	0	0	0	2	0	2
AC024559	0	0	0	0	0	0
AC025287	0	0	0	0	3	0
AC106875	0	0	0	0	0	0
AC092111	64	26	57	22	20	30
AL590491.	0	7	0	0	0	0
AL136221.	0	0	0	2	0	0
AL136301.	1	0	0	2	0	0
AC005393	14	4	15	3	4	7
AC004076	175	67	132	155	90	69
AC008083	15	4	9	5	5	7
BX255923.	6	2	5	0	0	0
AC105265	49	37	46	46	17	18
AC107905	0	0	0	0	0	0

LINC00540	79	65	224	144	52	37
AC061709	0	0	0	0	0	0
AC008735	10	6	16	3	5	2
BMS1P14	0	0	0	0	0	2
AL354718.	0	0	0	0	0	0
AP000892.	6	5	5	0	2	6
AC243830	2	0	0	0	6	1
AC239799	14	19	22	10	7	15
AL133243.	2032	1036	2470	2514	1560	1492
AC092142	3	2	4	3	14	0
AC025287	15	7	15	6	9	30
AC010999	7	0	6	6	6	4
AL356515.	0	0	0	0	0	0
AP001505.	58	25	54	33	36	38
AC018926	308	247	610	349	280	331
AC097478	0	0	0	0	0	0
AC130650	355	116	325	192	153	296
AC010327	1355	810	1829	1221	915	943
AC002550	61	19	54	37	8	31
AL442067.	32	9	58	28	20	52
AC022306	28	5	11	28	6	13
AL109614.	270	201	436	326	288	257
AL117372.	0	0	0	0	0	0
AC007786	0	0	3	1	0	0
AJ011931.1	16	12	14	4	16	8
AL109954.	0	0	0	0	0	0
AL117335.	145	141	230	87	91	122
AC007950	89	27	58	45	41	20
AC009090	2	4	0	2	0	4
AC104237	0	0	0	0	0	0
AL161891.	377	154	382	373	259	213
AL356130.	0	0	0	0	0	0
AL121757.	0	0	0	1	0	0
AC004466	11	3	8	5	7	8
AC138466	0	0	4	6	2	0
AL136295.	43	51	51	41	27	48
AC010809	22	13	10	9	25	14
AL442067.	60	32	180	89	48	76
AC243773	0	0	0	0	0	0
AC005840	196	91	179	131	113	122
AC123768	146	37	163	201	47	67
AC137834	0	0	0	0	3	2
AC142472	482	210	350	366	222	307
AL445649.	0	0	0	0	0	0
AL731566.	0	0	1	0	0	2
AC105137	80	91	121	61	25	54
AC006111	15	5	8	6	4	5
AL353753.	0	0	0	0	0	0
AL121890.	18	3	16	18	10	10
AC025271	0	0	0	0	0	0
LINC02227	0	0	2	0	0	0
BX640515.	0	4	0	0	0	6
AC068234	0	0	0	0	0	0
AC092117	183	95	203	188	87	116
AC022188	0	0	0	0	0	0
AL138955.	318	318	526	432	343	237
AC004801	91	49	79	96	68	90
AC020922	0	1	0	0	0	0

AC023510	3	3	6	0	0	2
AC016590	3	0	4	0	0	2
AC245041	0	0	0	4	0	0
AC002401	1	0	0	0	1	0
AC026124	199	166	435	368	180	201
AL589745.	6	0	3	2	0	0
AC015922	4	10	30	0	5	1
AC124319	7	0	10	8	0	0
AC074050	76	121	263	92	48	82
AC011718	0	0	0	0	0	0
AL512624.	0	0	0	0	0	0
BX664730.	0	0	0	0	0	0
AC023157	191	433	418	152	177	115
AL442125.	18	8	30	11	8	29
AL139351.	0	0	0	0	0	0
AC009041	95	62	155	123	99	61
AC009704	100	87	166	135	129	69
AL121772.	21	19	17	18	11	7
AL158063.	5	2	0	5	0	7
AL158196.	38	19	25	18	11	23
AC078880	0	0	0	0	0	0
AC008760	0	0	7	3	0	0
AL023881.	19	1	5	2	0	4
AC116003	0	0	0	0	0	0
AL513314.	91	28	107	48	41	50
AC096642	113	45	102	71	64	100
AC120498	0	0	1	0	2	0
AC148477	0	0	0	0	0	0
AC008556	0	0	0	0	0	0
AC023490	0	0	0	0	0	0
AL590096.	5	0	0	1	0	2
AL031663.	2	0	3	0	0	0
AL390964.	0	0	0	0	0	0
AL122125.	3	0	5	2	0	0
CU634019	58	48	110	74	36	108
AL121890.	16	3	6	27	13	7
AC243829	85	29	123	111	72	48
AL589743.	0	0	0	0	0	0
AC073569	561	394	795	707	406	471
AC012409	0	0	0	0	0	0
LINC00235	208	42	90	109	66	110
AC092757	1	4	7	11	11	10
AL138820.	844	271	482	763	417	602
AC110048	216	64	253	141	249	178
AL139384.	3	4	0	12	10	3
AC012676	66	35	64	64	25	34
AC004241	2	0	0	0	0	0
AC006449	8	8	0	10	4	0
AC131212	0	0	0	0	0	0
LINC01632	0	0	0	0	0	0
AC005696	10	10	0	3	8	0
AC090164	0	0	0	0	0	0
AC009159	14	2	9	15	8	16
SPANXA2-	0	0	5	0	0	0
AL139123.	29	8	28	32	29	41
AC090116	0	0	0	0	0	0
AL138686.	0	0	0	0	0	0
AC084781	4	9	9	19	36	3

GTSE1-DT	14	9	8	11	5	8
AL035420.	0	0	0	0	0	0
AC084782	7	2	4	0	6	6
AL157762.	80	29	36	62	52	37
AC083809	8	4	2	4	13	3
FAM74A7	0	0	0	0	0	0
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AL160412.	0	0	0	0	0	0
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AL109976.	0	2	7	11	6	1
AC084876	17	7	14	22	28	16
AL034550.	70	24	51	62	22	44
AC090246	13	7	9	3	14	4
AC093462	18	26	39	17	6	6
AC108002	0	0	0	0	0	0
AC048344	55	59	78	129	31	73
AL353770.	0	0	2	0	0	0
AC013553	0	0	0	0	0	0
AP001065.	0	2	2	0	0	0
AL138966.	8	3	23	10	4	4
AC010654	128	46	76	73	31	76
AL132765.	0	0	0	0	0	0
AC005837	0	2	2	4	0	0
AC010331	10	12	26	19	3	9
AL138999.	24	4	14	6	12	12
BX005040.	0	0	0	0	0	0
AC069234	56	28	44	63	20	24
AL121890.	42	12	29	26	20	17
AC012676	28	22	30	30	17	36
LINC02338	0	0	0	0	0	0
CEBPB-AS	98	62	193	89	46	62
AC002094	54	30	56	44	35	38
AC010271	0	2	0	0	0	2
AP001527.	0	0	0	0	0	0
AC080038	6	4	4	6	11	6
AC005332	1040	519	1006	1041	708	512
AC090607	0	2	3	1	0	0
AC087392	54	28	49	44	21	33
AL357033.	292	113	293	265	147	237
AC243571	0	0	2	0	0	0
AC010536	13	2	7	8	12	3
AC116407	99	23	77	109	60	33
AC245123	4	0	0	0	0	0
LINC01796	0	0	0	0	0	0
AC007996	175	65	138	151	68	96
ZNF630-A	0	0	0	0	0	0
AC026471	0	0	0	8	2	1
AL356752.	125	74	153	106	72	103
AC018926	81	42	72	66	37	56
AL031651.	0	0	0	0	0	0
AL109923.	292	172	338	279	221	186
AC018553	0	0	6	0	4	0
AC089999	87	32	134	93	68	85
AC244093	44	28	43	35	24	21
AL023803.	38	25	72	50	22	17
AC008759	0	3	2	0	0	2
AC244093	154	117	285	161	104	130
AC007546	114	127	209	135	140	114

AC130343	4	0	1	0	0	0
AC005363	12	0	6	0	0	0
AC008406	0	0	0	3	6	3
AC005277	1	0	0	0	2	1
PGM5P3-A	0	0	0	0	0	0
AL391261.	0	0	0	0	0	4
AL662791.	0	0	0	0	0	0
AL354696.	51	18	31	39	10	26
AC211486	0	0	0	0	0	2
AL392048.	3	0	3	0	0	4
AL139407.	811	483	984	807	666	597
AC243585	0	3	9	4	1	0
AL121583.	34	10	20	17	17	34
AP003900.	0	0	0	0	0	0
AC097478	0	0	0	0	0	0
AL591441.	0	2	3	0	6	0
AC159540	763	525	1107	849	715	283
AC079174	84	70	66	58	49	79
LINC02255	0	0	0	0	0	0
AC097641	61	14	31	33	38	21
AC126175	0	0	0	0	0	0
AC011462	49	27	77	54	40	56
AC023300	0	0	0	0	0	0
AL358394.	0	0	0	0	0	0
AL138995.	49	29	71	37	56	25
AL442128.	143	29	47	73	46	65
AC068870	39	22	45	34	30	43
AC084781	0	0	0	0	6	0
AL359693.	0	0	0	0	0	0
AL138478.	3	5	19	7	3	2
AC006213	39	7	9	22	6	4
AC020917	17	20	25	35	15	21
AL031651.	1	0	0	0	0	0
AL138960.	0	0	0	0	1	0
AC090340	0	0	0	0	0	0
AC026368	139	123	182	227	126	155
LINC02391	51	10	40	69	22	24
AC097634	10	1	19	15	5	7
AL162574.	0	0	0	0	0	0
FAM230A	0	0	0	0	0	0
AC131159	11	14	31	18	17	11
AL391988.	112	130	166	166	180	81
AC135279	14	7	15	18	5	0
AL390037.	1	0	2	1	0	0
AC243773	45	60	89	65	43	67
AC010722	0	0	0	0	0	0
AC007527	0	0	0	0	0	0
AL035252.	135	53	86	95	69	86
AC107308	0	0	0	0	0	0
AC092376	24	3	32	48	10	24
AL162274.	50	21	40	28	22	19
AC006449	127	133	218	127	75	75
AC010542	7	9	3	1	7	3
LINC02351	0	0	0	0	0	0
FP236241.	89	68	107	139	35	213
AC079779	2	0	2	0	0	0
AC009093	209	65	304	136	222	75
AC139100	3	10	9	10	6	17

AL627171.	43	30	56	22	28	13
AC024941	0	0	0	0	0	0
AL031658.	4	0	10	0	6	4
AC245033	2	2	2	2	2	0
AC064801	9	3	5	5	0	2
AC118658	133	110	229	168	88	119
AL121895.	0	0	0	0	0	0
AL133325.	4	0	0	0	0	0
AC023490	0	0	0	0	0	0
AC104985	0	0	0	0	0	0
AC009159	44	27	66	76	15	17
AC012366	5	2	13	9	10	11
AL161669.	0	0	0	0	0	0
AC114341	46	18	28	8	22	30
AC069503	0	1	0	3	1	2
LUNAR1	33	26	4	10	16	3
AC022509	0	0	2	0	2	0
AC243829	0	0	0	0	0	0
AC027575	44	12	37	53	37	37
AC145423	21	21	23	16	3	18
AC139768	95	57	122	110	56	48
AC135050	571	476	970	689	493	429
AC012409	0	0	0	0	0	0
AL121809.	5	4	5	6	1	1
AL121782.	10	4	29	6	8	16
TSC22D1-.	120	37	71	87	36	85
AP001059.	7	6	8	4	3	5
GLIDR	115	32	127	121	61	13
AL354811.	0	0	0	0	0	0
AL118505.	0	4	0	0	0	0
LINC01971	0	0	0	0	0	0
AC243919	58	43	64	92	37	71
AL031320.	146	77	117	105	66	77
LINC02139	10	0	0	10	0	9
AL133342.	256	152	278	150	89	174
AL359513.	20	7	12	15	12	11
AC243967	0	0	0	0	0	0
AC004852	0	0	0	0	0	0
AC005344	0	0	0	0	0	0
AC079949	0	2	39	2	6	2
AL110115.	30	21	32	28	26	8
AL161772.	6	12	14	11	3	6
AL161616.	0	0	0	0	0	0
AC018529	50	36	143	57	61	37
VWA8-AS1	4	2	6	4	2	9
AC138028	29	35	72	18	35	39
AL356130.	0	0	0	0	0	0
AC063943	26	7	13	17	9	9
AC009248	38	38	47	36	13	44
AC005911	67	44	151	90	58	42
AL356652.	22	15	31	35	10	13
AC021422	0	0	2	2	0	1
AP004609.	82	27	44	51	18	34
AL031673.	7	6	15	6	14	19
AC121338	0	0	7	6	0	1
AC099518	0	0	0	7	3	2
AL354696.	69	54	68	46	21	48
AL122023.	18	3	6	11	0	4

AC108861	0	0	0	0	0	0
AL451164.	22	11	35	26	12	17
AC243547	6	0	9	6	1	4
AC023830	151	128	259	163	112	130
AL137246.	0	4	6	5	4	0
AC015712	0	0	0	3	0	3
AL359880.	72	53	110	71	50	49
AC068506	0	0	0	1	0	0
AC138393	162	98	204	146	137	149
AC009268	47	20	30	52	23	50
AC009464	57	42	110	91	61	91
AC010998	0	0	0	0	0	0
AC006213	3	3	2	2	1	7
AC039056	20	28	56	66	52	44
AC068831	4	0	0	0	3	2
AL161645.	6	1	0	0	0	3
AC026585	2	0	2	0	2	0
AC003101	9	4	4	3	3	2
AL162171.	386	255	661	450	332	457
AL133396.	2	2	0	0	0	1
AC015871	1762	1853	2937	1365	1185	1063
AL158163.	215	83	137	129	144	202
AC015819	6	4	14	12	15	1
AC093152	39	17	40	38	30	24
ZNF426-D	15	4	43	6	38	4
AC037198	14	5	34	16	13	5
AC023310	0	0	0	0	0	0
AC005962	27	5	17	20	14	21
LINC02335	0	0	0	0	0	0
AC244093	1	1	0	2	11	0
AC015813	0	0	0	0	0	0
AC245452	0	0	0	0	0	0
AC005899	156	82	121	157	94	166
AC244100	0	0	2	6	4	3
AL162574.	0	0	0	0	0	0
AC100847	3	0	7	1	3	0
NKILA	33	12	14	20	17	40
AC120114	11	10	24	14	18	2
AC133540	0	0	3	0	0	0
MCM8-AS	4	0	3	3	0	0
AL445288.	0	0	0	0	0	0
AC000403	46	16	48	25	37	42
AC005332	3189	2006	4241	3410	3089	2473
AC022079	8	8	15	14	7	20
AC013553	6	5	3	21	12	8
AC005332	232	57	229	217	149	165
AC087239	27	18	36	36	13	15
AC004477	24	8	1	10	4	10
AC092683	0	0	0	0	0	0
BACE1-AS	1095	408	867	699	570	913
AC090510	61	27	44	47	16	31
AL136295.	353	183	486	355	259	324
LINC00624	8	0	0	4	0	2
AL121890.	23	11	15	29	7	25
AC099811	409	310	642	407	271	340
AL513190.	66	51	59	59	40	38
AC073508	126	88	149	131	81	88
AC009878	0	0	0	0	0	0

AC006157	20	0	16	17	16	0
AL513478.	0	0	0	0	0	0
AP002799.	0	0	0	0	0	0
AC005691	0	0	0	0	0	0
AC117503	72	47	79	67	24	58
AC092724	0	0	0	0	0	0
AC091059	160	65	281	124	134	162
AC055811	978	494	1143	1075	556	797
AC012629	7	1	3	3	2	2
AC006065	12	0	4	0	5	3
AC090616	280	142	328	291	188	267
BX539320.	46	49	55	27	20	47
AC148477	0	0	0	0	0	0
PRO1804	114	25	94	73	41	82
AC091905	0	0	0	0	0	0
AC025809	33	10	9	4	29	15
AC145207	29	9	19	22	7	34
AC091932	0	0	0	0	0	0
CU638689	0	0	0	0	1	0
AP000560.	976	243	597	843	365	695
AC092608	0	0	0	0	0	0
FP325331.	14	8	22	1	5	13
CU634019	0	0	0	0	0	0
AC106730	0	0	0	0	0	0
AC087821	8	0	0	0	0	2
FP325330.	0	0	0	0	0	0
AC105101	6	0	9	0	2	4
AP002371.	0	0	0	0	0	0
AC010533	0	0	0	0	0	0
AC073348	0	0	0	0	0	0
AC008507	0	0	0	0	0	0
AC025031	631	208	542	333	218	398
AC020951	737	388	990	779	446	552
AC087045	0	0	0	0	0	0
AL358852.	13	8	13	13	8	6
AC139792	90	28	47	57	39	59
AC005609	0	0	0	0	0	0
AC010947	0	1	6	2	0	0
CU633906	18	3	14	9	0	6
AC106818	0	0	0	0	4	0
AC005609	0	0	0	0	0	0
AC132154	0	0	0	0	0	0
AC007608	74	72	146	50	56	60
BANCR	0	0	0	0	0	0
AC015819	0	0	0	0	0	0
AC008870	0	0	0	0	0	0
AC026797	0	0	0	0	0	0
AP003355.	1	0	0	0	1	1
AC005609	0	0	0	0	0	0
CEP83-DT	2	2	18	18	6	5
AC006213	12	6	9	2	4	4
AC080112	18	19	38	14	18	5
AC005005	0	0	0	0	0	1
EPB41L4A-	1	3	3	2	6	0
AC002310	6	2	7	8	2	6
AP005242.	0	0	0	0	0	0
AC078883	3	0	0	6	1	0
AC005753	4	4	14	4	0	1

AC092134	0	0	0	0	0	0
FP236240.	0	0	0	0	0	0
AC136621	0	0	0	0	0	0
AP001784.	0	0	1	0	1	0
CR381653.	48	35	34	42	7	42
AC022743	0	0	0	0	0	0
AC117489	0	0	0	0	0	0
AC087386	0	0	0	0	0	0
AC244517	0	0	0	0	0	0
SMG6-IT1	45	26	44	55	35	42
AC004494	36	26	39	31	24	23
AC079228	0	0	1	1	1	3
AC027045	0	0	0	0	0	0
AP000770.	0	0	0	0	0	0
AC005609	0	0	0	0	0	0
AL031587.	414	232	464	421	291	255
AC127070	831	584	1212	975	689	614
AC138907	0	0	3	1	2	1
AP003068.	7	2	2	14	17	3
AP003499.	0	0	0	0	0	0
AC130686	0	10	4	8	0	3
FP475955.	0	0	0	0	0	0
AC012354	0	0	0	0	0	0
AC091931	0	0	0	0	0	0
AC006378	100	24	120	76	46	100
AL022329.	0	0	0	0	0	0
AC092645	187	76	307	178	69	202
AC005921	1022	1037	2034	1376	999	831
AC132938	0	0	0	0	0	0
AC122713	14	2	10	0	9	0
AL031602.	7	1	6	4	3	7
AL138847.	0	0	0	0	0	0
AC026310	0	10	0	0	0	5
HEIH	1082	462	1057	806	579	588
AC091305	2	0	0	2	0	0
AC015920	352	275	547	450	201	364
AC073592	0	0	1	12	6	0
AC093909	55	28	73	41	16	48
AC007012	0	0	0	0	3	0
AC003101	10	0	4	2	2	6
AC092611	5	10	12	23	41	12
AC007598	275	137	308	228	188	155
AP003485.	0	0	0	0	0	0
AC079298	0	0	3	0	0	0
AL139125.	0	0	0	0	0	0
AC048380	87	44	176	103	86	119
AC092718	218	199	618	302	301	155
AC091060	90	67	158	125	72	83
AL031009.	129	83	150	126	58	108
AL356490.	1	0	0	0	1	0
AP001148.	5	7	31	64	14	32
AL132796.	28	12	16	22	9	9
AC090181	414	153	483	280	251	250
AC012048	18	9	18	17	5	23
AC002350	50	11	44	28	17	31
AC008785	0	0	0	0	0	0
Z69720.2	0	0	0	0	0	0
FP671120.	0	0	9	218	83	110

AL662907.	215	148	273	186	137	130
AC099552	0	0	0	0	0	0
AC008985	16	4	9	9	2	1
AC079602	0	0	0	0	0	0
AC091953	0	0	0	0	0	0
AC103798	0	0	0	0	0	0
AC211433	0	0	0	0	0	0
AL022323.	0	0	0	0	0	0
AC005943	4	2	5	2	2	1
AC091905	0	0	0	0	0	0
AC110774	2	0	2	2	1	8
AC051619	0	0	0	0	0	0
AC016717	0	0	0	0	0	0
AC093648	0	0	0	0	0	0
AC098476	13	4	11	26	14	25
AC009090	51	14	23	26	18	20
C18orf15	177	55	153	196	162	94
AC092139	13	10	46	32	3	9
AL359715.	32	10	33	16	9	39
AC148477	0	0	0	0	0	0
AC112255	28	18	24	25	9	19
AL356863.	1	2	5	2	2	3
AC005225	43	9	39	35	38	36
AC010223	0	0	0	0	0	0
AL353583.	0	0	0	0	0	0
AC007336	0	0	0	0	0	0
AC004232	24	27	24	11	23	18
AL079305.	0	0	0	0	0	0
AC090984	3	0	5	6	2	0
AC011266	0	0	0	4	0	0
AC022211	81	55	124	76	46	72
AC015656	0	0	0	0	0	0
AC011447	103	6	56	26	11	36
AC090617	3	0	1	2	0	1
AC102945	5	2	11	6	11	2
AP005242.	0	0	0	0	0	0
AC004014	0	0	0	0	0	0
AC007787	9	8	27	5	5	2
AP003400.	0	0	0	0	0	0
AP003062.	0	0	0	0	0	0
AC244517	0	0	0	0	0	0
AC080080	32	3	26	25	24	28
PWAR1	55	22	23	38	16	19
AP003400.	0	0	0	0	0	0
AC141586	206	138	322	190	242	161
AC007485	396	90	241	173	127	248
Z98043.1	1	0	0	1	0	0
AC008735	0	0	0	0	0	0
FP236315.	0	0	0	0	0	0
AL138688.	0	0	0	0	0	0
HEXDC-IT	96	49	128	60	39	82
AC002540	3	0	3	0	0	2
AC244517	0	0	1	0	0	0
AC015813	63	20	52	30	23	25
AC073263	2	0	0	0	3	2
AC073592	7	4	20	5	1	6
AC118758	10	0	8	6	4	4
AC007998	14	11	31	16	6	15

AC091965	3	0	9	4	4	5
AL136140.	0	0	0	0	0	0
AC023090	408	242	551	363	280	331
SND1-IT1	978	570	1267	1141	849	792
AL022322.	28	10	36	21	5	7
LINC01727	24	22	6	18	10	14
AL160274.	0	0	0	0	0	0
AL022323.	0	0	0	0	0	0
AC073130	160	63	171	162	76	71
AC073592	0	1	0	0	0	0
AC022400	562	328	621	665	439	341
AC005839	1196	654	1333	1150	904	923
AP000843.	0	0	0	0	0	2
AC026523	0	0	3	0	0	0
AC025678	120	160	397	176	99	120
AP001362.	0	0	0	0	2	0
LINC01670	0	0	16	0	1	0
AC243964	284	126	227	252	253	170
AL356289.	0	0	0	0	0	0
AC091953	0	0	0	0	0	0
AC097460	86	56	124	105	69	70
AC090740	0	0	0	0	0	0
AC009120	0	0	0	0	0	0
AC138470	59	7	62	67	26	57
AC093775	0	0	0	0	0	0
AC009093	608	317	949	683	763	357
AC138951	64	135	242	41	76	177
AC008537	243	93	186	161	152	162
AL022323.	3	0	0	0	0	0
AC148477	0	0	4	0	0	0
Z99129.3	56	33	57	29	21	64
AP001972.	2847	1649	3336	3259	2569	2088
AC093535	21	9	18	25	10	8
AC006449	53	23	61	21	10	11
AC009033	0	0	0	0	0	0
AC073592	5	0	3	7	5	4
AC020763	76	48	94	49	44	69
AC027281	1	0	3	4	1	2
AC091953	0	0	0	0	0	0
AL121950.	0	0	0	0	0	0
AC078925	3	0	0	0	0	2
AC046158	23	6	13	9	2	2
AC091925	5	2	2	1	3	0
AC018628	2406	1523	2972	2390	1821	1631
AC090643	0	0	0	0	0	0
AL512652.	0	0	0	0	0	0
AL031258.	0	0	0	0	0	0
AL356309.	0	0	0	0	5	8
AP002847.	40	13	38	25	30	7
AC098679	3	0	3	0	0	0
AL590326.	3	4	6	12	1	5
LINC01451	71	56	165	147	114	77
AC009108	0	0	0	0	0	0
AC139099	0	0	2	0	0	0
AC099667	101	24	61	99	66	83
AC011912	613	496	672	725	466	499
AC063926	0	0	6	0	0	0
AC112504	58	20	50	33	33	24

AC126474	79	111	118	97	92	83
AL356750.	15	2	12	8	12	7
AL021920.	0	0	0	0	0	0
AC129492	31	11	26	18	21	14
AC117500	0	0	0	0	0	0
AL353726.	0	0	0	0	0	0
AC233300	13	28	15	7	4	6
AL157359.	0	0	0	0	0	0
AL162574.	0	0	0	0	0	0
AC003681	308	215	552	351	186	145
AC009336	0	0	0	0	0	0
AC093503	40	51	34	52	2	4
AC141586	367	240	482	281	229	199
AP003122.	0	0	0	0	0	0
AL118508.	4	29	22	8	26	5
AC135776	0	0	0	0	0	0
AC009951	9089	4297	14284	9044	8457	6101
AC105052	71	109	199	184	115	125
AL137784.	11	1	6	12	3	5
AC006065	0	0	0	0	0	0
AC020904	17	10	15	26	7	4
AC092451	0	0	0	0	0	0
AC104581	18	5	40	14	16	19
AL033543.	616	178	529	653	652	334
AC079316	1044	762	1459	1045	724	676
AL662907.	128	60	134	125	41	92
AC061709	0	0	0	0	0	0
AC110801	2	0	0	0	0	0
CR559946.	28	0	4	9	6	3
FP236315.	1	0	2	1	1	1
AC027601	13	16	29	11	20	12
AP003972.	0	0	0	0	0	0
AC007656	0	0	0	0	0	0
AC068491	540	286	979	761	191	316
PWAR5	3316	1628	3749	3392	1988	3119
AC026336	0	0	0	0	0	0
AC135048	9	13	36	19	9	21
AC010608	0	0	3	0	0	0
AC008894	36	40	87	40	74	51
AC068669	33	18	17	11	10	22
AC020558	5	4	0	3	3	4
AC073263	6	5	7	1	4	4
AC130448	856	488	1117	756	507	540
AC005785	254	163	341	217	190	175
AC134043	23	8	7	25	16	16
AC092162	0	0	0	0	0	0
AC004943	3	0	5	5	5	0
AC015813	822	464	857	804	506	716
AP001002.	0	0	0	0	0	0
AL390961.	19	8	0	12	9	10
AL109659.	4	5	5	0	0	6
Z95114.1	0	0	0	1	0	0
AC006037	0	0	0	0	0	0
GPR1-AS	0	6	6	8	8	10
AC068254	0	0	0	0	0	0
AC025183	0	0	0	0	0	0
AC073342	0	0	1	0	2	0
AC138305	0	0	0	0	0	0

FP236240.	1	0	0	1	0	0
AC009303	63	29	89	57	30	39
AC008522	22	31	55	36	28	27
AC122688	160	73	272	234	103	114
AC011944	560	200	408	284	308	286
AC064801	228	213	509	311	243	213
AL161773.	0	0	0	0	0	0
AC063980	0	0	0	0	0	0
AP000769.	0	4	0	0	0	0
FAM223A	24	30	49	36	36	36
AP003108.	38	24	46	48	18	25
AP003400.	0	0	0	0	0	0
AC007614	0	0	0	0	0	0
AC022919	12	20	28	23	7	10
AC015726	1	0	0	0	0	0
AL121753.	483	225	348	308	304	302
AC020604	112	40	76	117	77	96
Z97653.2	8	14	27	9	10	12
AL442639.	0	0	0	0	0	0
AC087741	11	6	20	15	2	5
AL360294.	0	0	0	2	6	1
AC010335	5	5	4	0	0	0
AC091953	0	0	0	0	0	0
AC000123	257	101	184	214	187	168
AC068860	5	3	0	0	0	0
AL078621.	130	96	106	127	84	111
AC068213	4	1	2	2	3	2
AP003072.	0	0	0	0	6	3
AP006248.	0	0	0	0	0	0
AC120024	0	2	0	3	0	0
AP002505.	1	12	23	5	0	3
AC130454	339	211	513	387	314	211
AC012020	1014	314	895	738	408	660
AC245060	39	8	16	22	4	8
AC015883	617	346	750	605	430	416
AC131009	308	434	908	529	322	301
AL136967.	0	0	0	0	0	0
AP005264.	1	0	0	0	0	0
AL133373.	3	3	11	14	16	22
AC073346	7	0	0	0	0	4
AL136164.	0	0	0	3	0	0
AC092135	499	273	599	675	420	286
AP001541.	0	0	0	0	0	0
PRAL	98	32	78	47	19	30
AP000720.	0	0	0	0	0	0
Z99916.3	0	0	0	0	2	0
AP000648.	0	0	0	0	0	0
AC008761	0	0	0	0	0	0
AC013643	0	0	0	0	0	0
CU634019	1	0	2	1	1	1
AP003072.	0	0	0	0	0	0
AC134026	0	0	0	0	0	0
AL139288.	24	6	9	13	10	9
AC073530	4	4	0	0	5	3
AC092999	66	40	47	111	52	93
AL136164.	0	0	6	0	0	0
CU634019	0	0	0	0	0	0
AC002525	3	0	3	0	0	3

AL158212.	172	58	193	155	116	106
AC006994	0	0	0	0	2	0
AC105074	400	197	421	360	176	220
AC069528	212	46	65	66	143	175
AC018692	0	0	0	0	0	0
AL035252.	0	0	12	9	5	4
AL645730.	0	0	0	0	0	0
AL136359.	0	0	0	0	0	0
AC004972	0	0	0	0	0	0
AC073439	166	66	81	94	69	66
AC020910	95	66	111	121	73	85
AJ003147.1	879	300	596	552	367	565
RBM12B-A	7	0	2	9	6	2
AC090772	5	0	15	0	4	2
AC096636	63	34	106	65	50	82
AC073592	0	0	10	1	0	0
AC127024	0	0	0	0	1	0
AC100788	30	30	74	28	24	40
AC090617	27	25	37	33	23	19
AP000756.	0	0	0	0	0	0
AP000866.	1220	609	1483	1291	808	997
AC127071	0	0	0	0	0	0
AC007342	292	71	121	185	53	200
Z98885.3	7	19	12	12	6	4
AC021945	20	4	22	42	2	4
AC012513	1484	336	868	752	427	740
AC092692	183	55	107	76	92	87
AC006557	0	3	8	5	1	1
AP001324.	0	0	4	2	0	0
AC090373	25	20	81	44	16	28
AGPAT4-IT	430	314	626	572	377	301
AC007610	362	251	481	359	291	358
AC007224	133	69	143	127	60	84
AP002833.	0	0	0	0	0	0
AL359195.	2	0	0	0	0	0
AC007546	1	0	3	2	1	5
AC079331	387	269	579	384	245	302
AC114546	4	5	8	6	2	3
AP000695.	5	0	0	7	3	0
AC120349	98	66	179	93	95	111
AC102797	0	0	0	0	0	0
AL031123.	6	0	0	0	8	0
AC046185	1482	571	1220	1117	589	837
AC004777	2	0	3	3	2	0
AC137723	23	5	25	11	7	9
AC027228	6	7	11	10	3	12
AC244517	0	0	0	0	0	0
AC092435	0	0	0	0	0	0
AC003973	95	29	86	347	115	203
AC009159	4	0	0	10	2	0
AC024595	0	0	0	0	0	0
AC018665	18	8	17	21	8	16
AC080188	7	8	39	14	23	28
AC021106	0	0	0	0	0	0
AC011474	0	2	4	2	8	2
AC073578	3	0	0	1	0	0
AF127577.	0	3	5	6	0	3
AC116456	3	0	0	2	0	0

AL139005.	0	0	2	0	0	0
AC015871	232	144	318	182	113	149
AC018445	1	0	0	0	4	0
AL078596.	0	0	0	0	0	0
AL356095.	7	0	5	0	12	6
AC008957	36	6	33	16	9	8
AL133383.	0	4	15	22	0	2
AL078595.	0	0	0	0	0	0
AC008739	2	0	5	0	3	0
AC004696	0	0	0	0	0	0
AL359183.	227	88	199	162	151	156
AC007191	583	348	748	579	317	459
AC020658	9	8	15	16	7	12
AC099494	250	234	444	370	308	173
AC090643	0	0	0	0	0	0
AC020763	60	16	35	34	22	27
AC099494	135	123	189	157	181	107
AC099689	145	286	555	449	316	187
AC019322	1	0	1	2	1	1
LINC00244	0	0	0	0	0	0
AC004925	0	0	0	0	0	0
AC138627	0	0	0	0	0	0
AC067863	0	0	0	0	0	0
AC231657	0	0	1	0	0	0
AL445363.	411	214	528	500	338	329
AC092279	944	443	1011	772	529	686
AC243312	0	0	0	0	0	0
AC007490	0	0	0	0	0	0
AC087164	14	7	15	11	5	15
AC004009	0	0	0	0	0	0
AL590560.	66	113	78	67	45	43
AC011840	6	0	3	8	0	8
AC015799	1679	1389	2888	1818	1321	1514
AC018529	1047	688	1690	1178	720	720
AL049776.	125	50	139	70	65	80
Z82170.1	0	0	0	0	3	0
AP001002.	0	0	0	0	0	0
AC105114	0	0	0	2	0	0
AL008638.	20	4	8	6	2	10
Z92544.3	4	5	5	8	2	2
AP000542.	2	0	1	0	1	1
AL513497.	40	29	39	40	44	42
AC135584	2	6	4	0	8	4
AC005915	0	0	0	0	0	4
AL118508.	121	166	84	78	112	47
AC112200	0	0	6	0	1	0
AC006277	0	0	2	2	0	0
Z99129.4	661	346	615	732	414	551
AP003499.	0	0	0	0	0	0
AC117500	0	0	0	0	0	0
AL353763.	293	46	233	225	150	56
AC244230	0	0	0	0	0	0
AP001271.	0	0	0	0	0	0
AC112243	0	0	0	0	0	0
AC093028	0	0	0	0	0	0
AL159972.	298	179	271	252	145	170
AC096720	64	28	26	47	10	23
AC090950	3	9	16	1	6	5

AC073911	3	0	0	0	0	0
AP000350.	6	3	6	1	7	7
AC109454	20	12	25	3	12	15
AC091903	0	0	0	0	0	0
AC244517	0	0	0	0	0	0
AC125437	91	55	138	109	76	66
AC087894	0	0	0	0	0	0
AC092139	1567	1153	2293	1996	1429	1081
AC127071	0	0	0	0	0	0
AP005205.	0	0	0	0	0	0
AC138466	9	3	9	0	3	9
AC104791	263	147	355	278	164	182
AC007683	0	0	0	0	0	0
KLHL30-A;	6	6	0	4	4	2
AC016734	78	45	82	88	48	50
AC004623	10	3	17	14	5	5
AL355377.	0	9	11	7	0	5
AC109446	14	5	22	16	8	4
AP003733.	107	126	179	84	69	69
AL117328.	34	4	11	6	14	13
AL928654.	446	279	550	423	351	339
AP003784.	4	0	0	0	0	0
AL356121.	0	0	0	0	0	0
AL157770.	35	29	21	38	9	17
AC108704	562	740	1531	1117	608	401
CR392039.	0	0	0	0	0	0
AC016542	66	38	165	115	78	78
AL353649.	0	0	0	0	0	0
AD001527	9	4	15	12	10	7
AC022513	1	0	1	0	1	1
AC112484	0	0	7	2	2	1
AC007494	0	0	2	1	0	1
AL356274.	2	14	11	0	0	0
AC011755	0	0	0	0	0	0
AL157902.	298	139	358	348	234	250
FAM230C	0	0	0	0	0	0
AC083843	20	7	11	8	10	10
AC007382	873	367	893	759	438	631
AC093525	574	827	1399	986	662	435
AL359396.	0	0	0	0	0	0
AC040168	0	0	0	0	0	0
AC002451	0	0	0	0	0	0
AC011239	0	0	0	0	0	1
AC073592	86	44	136	83	78	96
AC115618	91	71	153	107	31	81
AC008764	375	321	526	467	356	229
AC092881	11	6	20	11	8	8
AC022140	0	0	0	0	0	0
AC002094	5	0	6	0	1	4
AP001340.	0	0	0	0	0	0
AC093458	30	11	3	17	6	10
AC020658	2	4	0	6	2	0
AC006486	97	48	125	145	93	45
AC005261	7	2	8	2	4	4
AC015908	0	0	0	0	0	0
AC129908	0	0	0	0	0	0
AL133243.	1059	563	1250	1209	850	846
AL022323.	0	0	0	0	0	0

AP000437.	163	211	368	204	196	149
AL359757.	0	0	0	0	0	0
AC025263	0	0	0	0	0	0
AC130448	184	133	339	228	139	142
AC091181	617	407	856	697	499	572
AC010435	87	48	101	90	48	112
AC244517	0	0	0	0	0	0
AC104820	0	0	0	0	0	0
AL845472.	372	69	258	196	130	159
AC090617	1	0	0	2	0	0
AL121835.	0	0	0	0	0	0
AC005703	0	0	0	0	0	0
AC093525	75	59	99	50	22	9
AC020763	13	10	17	12	8	5
AC099804	1548	890	2159	1600	1042	1029
AL162426.	11	12	13	20	4	4
AC021683	0	0	0	0	0	0
AC134407	214	91	262	226	126	157
AL583859.	0	12	0	0	12	2
AC004899	0	0	0	0	0	0
LINC01666	12	0	0	0	2	5
AC073862	1	0	0	0	0	0
AC009086	54	84	119	86	47	61
AC005593	5	2	10	4	6	10
AL109653.	0	0	0	0	0	0
AP000711.	6	2	5	3	7	4
AC006963	0	0	0	0	0	0
AC087762	0	0	0	0	0	0
AC079416	159	54	153	163	105	92
AC005786	0	6	6	6	3	1
AC002044	112	70	153	111	121	115
AC010653	25	19	22	18	19	4
AL132642.	0	0	0	0	0	0
AL049780.	308	73	181	173	162	187
AC126335	0	0	0	0	0	0
AL031593.	20	14	21	7	1	3
AC009948	741	419	691	692	350	887
AC005514	8	8	6	7	4	5
AC015804	120	57	171	139	63	119
AC005052	0	0	2	0	7	4
AC109326	409	165	425	242	557	81
AP000720.	0	0	0	0	0	0
AC092723	0	0	0	0	0	0
AC067930	129	96	282	158	109	129
AC006600	0	0	0	0	0	0
AL358613.	0	3	0	0	0	0
AL353795.	1062	582	903	1073	689	695
AL158070.	0	0	5	10	9	0
C20orf181	1	0	1	0	2	0
AC012313	103	89	96	128	39	75
AC124283	50	16	28	34	14	10
AL096817.	233	85	152	188	125	159
AC005796	2	7	5	3	1	8
AC020907	28	6	20	21	11	19
AC099494	505	290	772	597	547	354
AC020978	0	2	12	8	0	4
AC025280	0	0	0	0	0	5
AL359697.	137	37	170	183	100	90

AL591122.	0	0	0	0	0	0
AC131280	0	0	0	2	0	2
AC048380	0	0	0	0	0	0
AC190387	0	0	0	0	0	0
AL158211.	69	26	106	54	75	41
AP003108.	250	215	449	364	326	152
AL137918.	49	8	2	9	6	24
AC091895	0	0	0	0	0	0
LINC00216	7	8	5	10	10	3
AC018445	137	195	385	280	213	127
AC008873	29	26	52	41	22	40
AC138466	1	2	10	3	0	0
AC120057	10	9	5	7	0	4
AL023973.	22	5	11	18	7	5
AC016251	0	0	0	0	0	0
AP000432.	0	0	0	0	0	0
AC020978	316	133	323	300	229	235
AC073912	3	0	0	6	0	5
Z82217.1	2	0	0	0	0	0
AC004678	27	24	23	33	13	22
AC004009	0	0	0	0	0	0
AL132780.	114	52	46	49	50	57
AL161901.	0	4	0	0	0	0
AC110491	0	0	4	1	4	0
AL451064.	29	14	14	9	2	9
AC005703	0	0	0	0	0	0
AC131649	17	6	23	1	8	6
AC104623	251	78	90	225	170	82
AC012100	96	95	282	154	120	84
AC116553	0	0	0	0	0	0
AL603839.	21	5	10	2	1	6
AC024610	0	0	0	6	5	0
AC079801	0	0	0	0	0	0
AL359922.	395	107	231	194	133	214
AC106754	0	0	0	0	0	0
AP006621.	286	131	256	164	200	242
AC092919	56	35	86	58	78	48
AC123769	0	0	0	0	0	0
AC080100	0	0	0	0	0	0
AC011483	0	0	0	0	0	0
AL162377.	0	0	0	0	0	0
AC090386	0	0	0	0	0	0
AC091925	171	161	335	242	95	183
AC092135	5	6	10	5	3	3
AC120338	0	5	4	0	0	0
AC090517	0	0	0	0	0	0
AP003969.	40	4	11	34	19	41
MAPT-IT1	2	12	9	6	0	6
FP565260.	0	0	0	0	0	0
AC022400	130	43	153	147	46	68
AP000280.	1	0	0	0	0	0
AC113410	27	21	35	21	18	17
AC110285	16	16	40	12	9	14
AC099521	59	55	64	153	119	59
AC011270	0	0	0	0	0	0
AL359757.	0	0	0	0	0	0
AP001273.	398	170	346	256	196	232
AP003400.	0	0	0	0	0	0

AC027335	2	2	0	0	1	6
AC004264	20	2	37	31	13	18
AC131212	470	389	788	593	483	380
AP003497.	0	0	0	0	0	0
AL356266.	0	0	2	0	0	0
AC017037	0	0	0	0	0	0
AC148477	0	0	0	0	0	0
AC092701	2	0	0	0	0	0
AL353608.	4	0	2	2	0	4
AC120349	0	0	3	0	0	5
AC133637	0	0	0	0	0	0
AP004782.	0	0	0	0	0	0
FP325330.	0	0	0	0	0	0
AC080038	0	0	0	0	0	3
Z95114.2	0	0	0	0	0	0
AL161912.	5	6	0	0	0	4
AC006128	51	27	99	39	26	27
AC005336	8	5	13	0	4	4
AC015871	0	6	24	5	6	0
AC018737	9	0	2	8	0	7
AC007342	574	123	247	418	106	393
AL391005.	0	0	0	0	0	0
AC005609	0	0	0	0	0	0
LINC02033	132	81	104	138	82	68
AC092326	0	0	0	0	0	0
AC027279	1	0	1	0	0	0
AP001642.	35	14	58	58	27	36
AC090506	0	0	0	1	0	1
AC124312	0	0	0	0	0	0
AC112204	0	0	0	0	0	0
AL022311.	3425	1963	4011	3189	2202	2715
AC011369	0	0	0	0	0	0
AC007342	37	140	103	42	33	49
AP000974.	43	16	48	49	5	39
AC002090	0	0	0	0	0	0
AC132938	350	179	423	282	261	200
AC092850	0	0	0	0	0	0
AC130456	3	0	0	0	0	3
AC008764	31	23	20	20	35	22
AC093875	0	0	0	0	0	0
AC239585	0	0	0	0	0	0
FP475955.	0	0	0	0	0	0
AC011389	0	0	0	0	0	0
AC011558	35	8	31	11	12	21
AL162376.	0	0	0	0	0	0
AC091905	2	0	0	0	0	0
AC012317	0	0	0	0	0	0
AC132068	25	20	55	44	38	28
AC105339	3	0	1	0	0	0
AC118344	1285	579	1120	1033	570	1010
AC005899	6	0	20	6	3	6
AC009102	12	21	29	32	31	32
AC067931	157	106	197	181	142	125
CU639417	14	0	0	2	0	3
LINC00552	0	0	4	0	0	0
AP000997.	0	0	0	0	0	0
AC026422	3	0	2	0	0	0
AL050303.	0	0	0	0	0	0

AL590483.	1	0	9	5	2	3
AC004585	5	3	0	0	0	0
AL445437.	4	0	0	3	0	0
AC009039	0	0	0	0	0	0
AC138907	0	0	1	0	0	0
AC079336	5	7	27	9	10	10
FP236315.	0	0	0	0	0	0
AC008267	0	0	1	3	0	1
AC105235	49	7	39	36	29	20
AC120114	535	326	711	485	310	445
AL590552.	0	0	0	0	0	0
AC018892	0	4	2	0	0	0
AC015909	215	178	313	253	161	195
AP000676.	0	0	0	0	0	0
AC024580	104	35	121	124	72	81
AC138907	0	0	2	2	2	0
AL133384.	506	164	245	253	161	215
LINC02339	0	0	0	0	0	0
AC018659	0	0	0	0	0	0
AC006077	46	40	75	58	24	53
AC111170	1099	530	1264	1119	548	793
AC009090	140	94	186	185	110	112
Z95114.3	497	237	493	496	279	326
AC018629	6	3	4	11	1	7
AC011472	1	0	2	0	0	2
AC005538	61	13	58	86	12	50
AL109924.	0	0	3	1	0	0
AC093330	934	668	769	878	393	462
AC120057	4	1	1	4	3	4
CR392000.	0	0	0	0	0	0
AC010997	494	264	581	329	451	354
AC020763	0	0	0	0	0	0
AC073911	0	0	1	0	2	0
AP002991.	0	0	0	2	0	0
AL390318.	1309	743	1654	1713	858	1084
AC145098	38	122	104	39	42	19
AC016397	64	22	39	20	14	29
AC003957	76	17	57	19	24	15
AC136469	4	11	11	14	3	0
AC015959	62	41	96	163	68	64
AL031846.	66	28	106	52	47	57
AC068870	13	9	25	29	22	36
AL121785.	3	0	0	0	0	0
AP002967.	20	24	32	27	33	39
AC112694	29	6	21	7	18	21
AL356273.	1442	1670	1235	1271	559	775
AL512383.	0	0	0	0	0	0
AC004801	0	0	0	0	0	0
AC092135	655	372	845	661	622	355
AC007603	0	0	0	0	0	0
AC096656	0	0	0	0	0	0
AC097372	61	22	79	75	57	69
AC015660	9	4	10	4	13	11
C8orf87	0	0	0	0	0	0
AL008638.	1	0	3	2	0	4
CR382287.	6	0	0	0	0	0
AC083964	1	3	0	0	3	0
AC004453	19	15	23	36	14	14

AC005618	0	0	2	0	3	2
AC106733	0	0	0	0	0	0
AC068880	12	23	12	2	2	14
AC093323	3	2	1	4	2	18
AC008568	0	0	2	0	0	0
AC073548	663	781	1514	937	707	483
AC092964	0	1	12	0	5	1
AC069547	0	0	4	2	0	0
AC006511	27	14	47	41	12	13
AC022418	0	0	0	0	0	0
AC006435	2	2	0	0	0	1
LINC01126	462	255	429	314	195	194
AC064859	0	0	0	6	2	0
AC074029	0	0	4	4	0	0
AC079248	0	0	0	0	0	0
AP003108.	0	3	0	0	0	0
AC091152	0	0	2	0	0	4
AC134407	633	272	612	550	399	433
AC041040	0	0	0	0	0	0
AC112702	0	0	0	0	1	0
AC010480	3	0	2	5	6	0
AC010894	328	190	261	348	195	305
AP005060.	261	181	248	319	118	130
AC087645	16	2	6	1	7	14
AC046158	5	0	5	7	6	4
AC012183	4	0	6	2	0	0
FLJ42393	398	298	543	575	380	331
Z73965.1	12	18	4	26	14	26
AP001767.	154	40	37	61	28	104
AC092117	313	189	521	430	410	229
AP006248.	0	0	0	0	0	0
AC068057	0	0	0	0	0	0
AC063926	0	0	0	0	0	0
AC018695	0	0	12	28	2	24
AC026748	116	53	79	105	65	54
AL731532.	0	0	0	0	0	0
AC068448	4	2	1	6	1	2
AP001962.	140	92	223	125	135	117
AL008638.	0	0	3	0	0	0
AC079331	512	357	610	451	296	405
AC006840	0	0	0	0	0	0
AC068880	0	0	0	0	0	0
LINC01651	0	0	0	0	0	0
AC022417	71	27	39	38	41	57
AC144522	7	0	0	3	0	2
AL138831.	0	0	0	0	0	0
Z95114.4	0	0	0	0	0	0
AL354796.	0	0	0	0	0	0
AL032819.	18	17	2	44	5	5
AC073593	0	0	0	0	1	0
AP006248.	0	0	0	0	0	0
AL031595.	166	65	263	102	127	91
AL353611.	0	0	0	0	0	0
AC008806	0	0	0	0	0	0
AC025034	2	0	0	1	0	4
AC073862	6	3	0	5	0	0
AL353597.	235	57	234	269	128	343
FLJ38576	31	24	34	33	31	25

AC013489	45	11	40	23	21	8
AC244034	30	28	135	63	46	30
AC008895	730	365	977	685	381	612
AC022784	6	4	0	0	0	1
AL138688.	70	13	22	31	11	19
AC068787	0	0	0	0	0	0
AC117503	26	18	17	36	31	32
BX324167.	80	30	81	58	74	57
AC110769	222	362	513	346	226	175
AC019278	5	2	14	8	3	5
AC024580	0	0	0	0	0	0
AL137783.	0	0	4	0	0	0
AP001525.	11	16	50	29	27	8
AC009949	16	2	10	14	2	2
AL390755.	0	0	0	0	0	0
FP671120.	1	0	1	1	1	1
AC023024	62	46	34	28	116	18
AC020910	3	0	5	0	0	0
AL356596.	0	0	0	0	0	0
CU104787	0	0	0	0	0	0
AC073862	2	0	2	6	2	8
AC008764	132	183	389	204	131	175
AC012629	3	0	0	6	2	1
AC018946	2	4	0	4	1	8
AC018445	299	167	362	214	201	222
AL162274.	126	78	129	139	149	133
AC008498	2	0	0	2	0	1
AC008103	0	0	0	0	0	0
AC011815	19	6	12	13	8	10
AC009044	0	0	6	16	0	4
AC078925	2	0	4	0	0	8
AC017037	0	0	0	0	0	0
AC139792	147	48	106	125	60	88
AC004491	140	123	195	129	81	70
AC133485	0	0	0	0	0	0
FP475955.	0	0	0	0	0	0
AC009135	0	0	0	0	0	0
AC078925	0	0	0	0	0	2
AC097637	52	54	76	24	44	29
AC079298	0	0	0	0	0	0
AC008079	200	72	156	151	112	157
AC020923	0	0	0	0	0	0
AP001350.	107	33	64	81	40	58
AL031595.	14	4	0	6	12	4
AC243960	5	0	2	10	0	6
AC024023	0	0	0	0	1	1
AC091905	0	0	0	0	0	0
AC112200	3	4	13	0	2	0
CU634019	30	0	0	0	0	52
AC116407	6	3	2	1	1	7
AC126544	17	5	10	9	5	22
AD000813	15	12	30	21	26	7
AC048347	0	0	0	0	0	0
AL008638.	2	0	0	0	0	0
AC005618	0	0	0	0	0	0
AC007342	70	134	127	27	22	62
AC007431	63	38	82	88	37	68
AC244517	2	0	1	0	2	0

AP002800.	2	0	0	0	0	0
AC116407	220	113	235	229	134	138
AC011676	185	521	447	154	177	108
AC020661	167	72	221	216	155	167
AC092653	223	183	306	265	185	248
DNM1P41	0	1	2	5	0	6
RN7SKP23	7	0	10	6	2	0
AC095031	0	0	0	3	0	0
AC022336	8	0	12	8	2	6
AC118282	0	0	0	0	0	0
AC099506	0	0	0	0	0	0
AC104581	374	278	513	331	150	320
AC091825	419	160	168	245	121	162
AC012409	0	0	0	0	0	0
AC079597	0	0	0	0	0	0
AC079456	0	0	0	0	0	0
AC011199	32	6	16	21	9	8
AC004241	7	2	27	4	6	0
TMEM75	7	7	8	1	0	7
AC097520	0	0	0	0	0	0
AL022069.	24	8	4	25	12	34
AL117378.	0	0	0	0	0	0
AC093831	0	0	0	0	0	0
AL512506.	3	2	2	2	1	2
AC011504	2	0	0	0	0	0
AL031719.	8	4	5	5	5	0
AC012676	687	461	865	759	481	582
AC130304	66	49	104	47	55	33
AC023818	168	129	236	177	177	90
AC138965	28	13	18	58	25	29
AC127024	599	422	914	654	623	536
AL049833.	34	39	42	54	33	49
AL157996.	0	3	0	0	3	7
AC112693	0	4	4	0	3	0
AL353763.	1181	379	1159	527	445	549
AC016526	37	25	43	57	15	32
AC011447	114	26	121	54	22	81
TBC1D22A	21	4	4	11	17	5
LINC01667	0	0	0	0	0	0
AF246928.	0	0	0	0	0	0
AC079777	21	6	5	23	10	10
AP001002.	0	0	0	0	0	0
AC026887	0	0	0	3	0	3
AC011481	3	0	3	10	3	7
AC126474	523	311	620	438	355	414
AP000590.	0	0	0	0	0	0
AC020895	6	6	2	0	4	0
AC002044	94	31	92	63	85	74
AP002791.	0	0	0	0	0	0
CU639417	0	0	0	0	0	0
AC015967	0	3	0	3	0	0
AC073592	0	0	0	0	0	0
AC011155	1	0	0	0	0	0
AL603750.	64	31	57	26	21	56
AC007792	0	4	0	0	3	4
AC010608	0	0	0	0	0	0
AC009487	0	0	0	2	0	0
AC008555	459	173	328	363	216	313

AL022393.	12	4	5	14	3	16
AJ239318.	0	0	0	0	0	0
PLAC4	9	0	17	14	8	0
AC087893	1	0	0	0	0	0
AL357140.	6	4	1	2	10	2
AC136603	102	33	107	119	56	56
AC122688	0	0	0	0	0	0
AC090983	0	0	0	0	0	0
AC093642	270	137	175	179	204	108
AC073857	605	219	607	496	284	412
AC010335	78	113	186	91	71	44
AC016168	30	17	23	14	17	8
AC023632	191	56	174	200	106	232
AP003485.	0	0	0	0	0	0
AC005252	0	0	0	0	0	0
AL662795.	1481	668	1485	874	611	795
AL132780.	231	108	263	177	134	181
AC027348	0	0	0	0	0	0
AC026471	2	6	0	2	2	5
AL731532.	0	0	0	0	0	0
AL096816.	1137	848	1653	1517	762	959
AC240565	52	32	73	7	24	38
AC116348	228	154	361	246	179	225
AC027290	10865	11752	20811	14624	11396	7511
AC010297	0	0	0	0	0	0
AC098679	6	0	4	3	7	3
AL357562.	0	0	0	0	0	0
AP000892.	302	85	264	147	131	161
AC073308	0	0	0	0	0	0
CU638689	58	26	35	64	18	83
AC084026	2	0	0	0	0	0
AC004877	82	34	102	80	48	134
AC148477	0	0	0	0	0	0
AC009078	0	2	0	0	0	6
AC133065	2767	698	1522	2240	1786	1758
AC073255	0	0	0	0	0	0
AL021408.	0	0	0	0	0	0
AL359510.	26	14	23	17	14	19
AC016583	45	8	41	53	13	26
AC135050	16	5	23	6	10	12
AC022413	37	13	29	53	25	27
AL136531.	14	2	0	0	4	0
AC040160	197	123	216	140	88	118
CU638689	24	0	25	0	0	36
AC016542	78	59	133	86	73	76
AP000943.	10	23	50	22	26	17
AC005274	0	0	0	0	0	0
AL136526.	59	14	16	17	17	28
AC104447	393	199	325	354	234	330
AC012486	3	1	0	2	0	0
AC004408	16	4	15	5	23	11
CU639417	0	0	0	0	0	0
AC023824	0	0	0	0	0	0
AC025262	129	124	100	66	53	82
AC131888	0	0	0	0	0	0
AC067852	7	0	3	12	2	0
AL023806.	139	53	120	141	78	117
AC091932	0	0	0	0	0	0

AL359258.	51	21	2	32	22	12
AC022107	19	8	14	14	8	7
AC007614	0	0	0	0	0	2
AC027279	269	111	218	175	163	205
LINC01669	0	2	0	0	0	0
AC132219	2	2	0	0	0	0
AD000864	61	128	176	76	92	38
AC245140	85	42	74	45	63	34
AC055717	0	0	0	0	0	0
C18orf12	0	0	0	0	0	0
AC087163	177	93	283	195	110	149
Z82202.1	0	0	0	0	0	0
AC073862	24	16	36	8	12	49
AP003400.	0	0	0	0	0	0
AC005831	864	407	801	932	440	698
AC009716	577	435	884	353	306	455
AC026401	636	588	1050	765	508	508
AC106795	53	12	60	7	27	59
AC106886	93	25	99	52	54	47
AC012254	0	8	0	0	2	0
UCKL1-AS	123	72	153	131	107	74
AC027682	160	135	306	219	123	193
AC021613	0	0	0	0	0	0
AL022326.	56	29	100	40	41	47
AC126564	0	0	0	0	0	0
AC093908	0	0	0	0	0	0
AL157414.	0	0	0	0	0	0
AL365209.	0	0	0	0	0	0
AL645820.	0	0	0	0	0	0
AL008636.	1	0	10	1	7	2
AC237221	0	0	0	0	0	0
AC079416	37	22	37	48	33	27
AC079753	7	33	101	27	84	5
AL161658.	0	0	0	0	0	0
AL031719.	14	10	23	10	13	27
AL589666.	168	52	74	136	71	86
AC015813	3	2	2	2	0	0
AC124303	0	0	0	0	0	0
MIR4697H	496	332	613	552	452	563
AC022400	31	23	48	57	24	24
AC011498	68	51	71	66	80	55
AC079298	0	0	0	0	0	0
AL450226.	2	4	0	1	0	0
AL512356.	0	0	0	0	2	0
AC079336	21	7	20	8	5	11
AC005578	0	2	0	0	0	0
AC124319	1408	890	2095	1498	892	987
AC097372	5	0	0	4	0	0
AC091912	0	0	0	0	0	0
AC233723	3	2	6	0	4	2
AC004947	0	0	0	0	0	0
AC007741	0	0	0	0	0	0
AL512662.	8	2	2	16	15	2
AC009161	0	0	2	0	0	0
AC093671	0	0	0	0	0	0
AC130456	0	0	0	0	0	0
AC006372	0	0	0	0	0	0
AC025125	0	0	0	15	7	10

AP000577.	48	48	113	76	44	97
AC068299	26	7	4	8	7	4
AC005858	0	0	0	0	0	0
AF131216.	20	9	11	11	7	3
AC009145	97	54	139	98	68	36
Z82209.2	0	0	0	0	0	0
AC009229	9	2	8	9	9	25
AL079342.	0	0	0	0	2	2
FLJ30679	6	5	2	2	2	0
AC240565	60	66	98	42	38	51
AC006435	21	17	24	25	16	17
AL049781.	0	2	0	2	5	1
AC138430	0	0	0	0	0	0
AC010601	0	0	0	0	0	0
AC092608	0	0	0	0	0	0
AC108215	0	0	0	0	0	0
AC131212	1595	1169	2321	1828	1537	1197
AC131935	5	0	2	0	5	0
AC016251	0	0	0	0	0	0
AC011008	14	3	12	28	12	3
AC099811	0	0	6	2	0	2
AL137058.	0	0	0	0	0	0
AC037487	0	0	4	0	0	0
AC117503	0	0	4	0	1	0
AP005264.	0	0	0	0	0	0
ERICD	16	14	52	32	11	16
AC104260	0	0	0	0	0	0
AC018765	0	0	0	0	0	0
AC137056	0	0	0	0	0	0
AP000676.	0	0	1	0	0	0
AC023300	0	0	0	0	0	0
AC092437	20	3	10	14	13	18
AC131212	14	7	19	20	14	21
Z83836.1	0	0	0	3	0	4
AL732618.	0	0	0	0	0	0
AC027309	0	0	0	0	0	0
AC073578	0	0	0	0	0	0
AC025262	39	18	23	17	5	11
AC129502	53	14	101	67	74	60
AL035425.	0	0	0	0	0	0
AC053503	0	0	0	0	0	0
AC074183	1	3	0	6	4	0
AC067931	2	4	2	9	2	0
Z97633.1	41	13	42	11	6	10
AC061999	0	0	0	1	0	0
AC020917	322	275	453	341	235	167
AC090617	5	2	3	0	0	1
AC009084	6	0	7	5	2	3
AC016866	0	0	0	0	0	0
AC244517	0	0	0	0	0	0
AC091941	0	0	0	0	0	0
AP001528.	4	1	4	1	6	0
AC080080	0	0	0	0	0	0
AP000542.	1	1	2	0	2	1
AC009166	0	0	0	0	0	0
AC092184	0	0	0	0	0	0
AC000123	3795	1479	3449	3258	2157	3118
AL138713.	0	0	12	0	2	0

AC008133	0	0	0	0	0	0
LINC01726	0	0	0	0	0	0
AC127496	372	112	286	255	152	263
AC116563	0	0	0	0	0	0
AC011466	106	77	89	82	64	84
AC073592	1	4	5	0	2	2
AL132656.	211	117	271	209	123	294
AL021877.	0	0	0	0	0	0
AL138960.	0	0	0	0	0	0
AC105133	0	0	0	0	0	0
AC092159	0	3	0	0	0	3
AC084759	0	0	0	0	0	0
AC005858	0	0	0	0	0	0
AC021766	198	73	188	117	115	104
AL161782.	0	0	0	0	0	0
AP002364.	5	6	14	21	12	31
AC034229	2	4	6	2	4	4
AC012640	0	0	0	0	0	0
AL136967.	0	0	0	0	0	0
CR382285.	1	1	1	1	1	1
AC091953	0	0	0	0	0	0
AC019080	80	59	89	93	64	68
AL359740.	16	3	26	11	21	18
AC012186	43	35	66	54	24	60
AC027176	0	0	0	0	0	0
AL353898.	122	105	211	188	124	129
AP003072.	1	0	2	0	0	0
AC009831	0	0	0	0	0	0
AC026362	536	210	569	334	194	279
AC096920	1	0	0	6	0	0
Z95331.1	1234	831	1779	1449	765	980
FP325332.	69	53	190	99	76	81
AP000648.	17	2	33	18	4	14
AL109806.	224	101	236	192	115	163
AC006330	234	148	388	241	153	219
AC010872	0	0	0	0	0	0
AC007496	1021	537	1213	1184	651	880
AC090574	0	0	0	0	0	0
AC011471	7	11	12	10	3	13
AL034546.	0	0	1	0	3	6
AC114546	0	0	0	0	0	0
AC011592	0	0	0	0	0	0
AC005858	0	0	0	0	0	0
AC022497	8	3	6	6	0	0
AC127459	0	0	0	2	0	0
AC022532	106	52	87	109	83	96
AC093525	257	189	358	327	222	256
AC026336	0	0	0	0	0	0
AC104985	0	0	0	0	0	0
AC132872	211	258	577	247	189	77
AC032044	3	0	3	0	0	1
LINC01101	0	0	0	0	0	0
AC004790	0	0	0	0	0	0
AC018470	0	0	0	4	0	0
AC005252	0	0	0	0	0	0
AC009084	12	2	7	4	2	5
AC096887	28	16	18	14	10	6
AC007326	0	0	0	0	0	0

AC010531	0	0	0	0	0	0
AC005355	10	3	8	3	3	2
AC115284	0	0	3	0	2	6
AL359852.	0	0	0	0	0	0
BX537318.	12	0	4	0	1	2
AL357673.	6	0	0	0	2	0
AC084876	8	3	22	5	2	0
AF001548.	0	0	0	0	0	0
AP002782.	4	4	16	6	0	2
AL160394.	0	0	0	3	0	0
AP000962.	8	0	0	3	0	4
AL031595.	700	346	1083	1112	956	601
AC006058	0	0	0	0	0	0
AC091932	0	0	0	0	0	0
AC004836	9	0	11	0	8	8
AC002064	0	3	0	0	0	2
FP236383.	241	247	17	283	87	145
AL136313.	0	0	0	0	0	0
AC073592	0	0	0	0	0	0
AL049536.	0	0	0	0	0	0
AL607033.	0	0	0	0	0	0
AC034229	0	0	0	0	0	0
AL683826.	6	0	0	0	0	0
AL356094.	0	0	0	0	0	0
AP006248.	0	0	0	0	0	0
AL359745.	0	0	0	0	0	0
AL356481.	43	17	40	21	20	33
AL358154.	0	0	0	0	0	0
AC005329	17	4	31	15	4	6
AL591030.	0	0	0	0	0	0
SALRNA2	0	0	0	0	0	0
ASAP1-IT2	419	351	610	325	304	261
AC096745	6	0	3	2	0	2
LINC01374	13	2	10	3	8	8
AL158835.	0	0	0	0	0	0
LINC02342	0	0	0	0	0	0
LINC01348	2	3	4	3	0	0
BTG3-AS1	20	8	19	6	5	10
AJ239328.1	88	33	54	46	34	22
AC009133	198	110	235	214	127	161
FP236383.1	12	1	2	2	2	0
SCAANT1	7	0	6	2	3	1
PCAT14	0	0	0	0	0	0
THRIL	6	1	9	9	3	9
LINC02204	3	0	0	3	0	0
AC245100	212	116	152	139	85	85
KCNIP4-IT	0	0	6	6	0	6
AL157396.	0	0	0	0	0	0
AL513210.	0	0	0	0	0	0
LINC01242	0	0	0	0	0	0
SH3PXD2A	3	0	3	0	2	0
AC060814	0	0	0	0	0	0
HPAT5	0	0	0	0	0	0
AL139035.	4	0	5	6	3	3
JADRR	0	0	0	0	0	0
PCAT5	0	0	0	0	0	0
LINC01943	22	9	69	25	25	23
LINC00251	0	0	0	0	0	0

LINC01232	638	257	446	483	394	455
EIF1B-AS1	364	124	207	270	186	166
LINC01173	0	0	0	0	0	0
LINC00850	0	0	0	0	0	0
AL356481.	11	4	12	7	7	4
AL732314.	13	7	3	8	0	10
LINC01202	0	0	0	0	0	0
JAKMIP2-A	0	0	0	7	0	0
LINC00294	1131	544	1171	1169	659	937
FP671120.	10	1	2	2	0	0
LINC00836	0	0	0	0	0	0
GSEC	166	92	221	110	68	97
CPS1-IT1	0	0	2	0	0	1
AL121956.	0	0	0	0	0	0
MIR325HG	0	0	0	3	0	0
AC017002	0	0	0	0	0	0
AC060814	0	0	0	0	0	0
ELDR	0	0	0	0	0	0
FOXCUT	0	0	0	0	0	0
AC092848	0	0	0	0	0	0
LINC00628	1	43	2	7	4	8
CTBP1-AS	159	43	201	137	56	47
AL353658.	0	0	0	0	0	0
LINC01163	71	80	52	28	42	59
AC004808	0	0	0	0	0	0
TTTY3B	0	0	0	0	0	0
LINC00581	0	0	0	0	0	0
CCAT2	34	13	41	40	10	28
LINC00921	1064	692	1426	1182	654	791
AC004808	0	0	0	0	0	0
AC092574	3	6	2	2	0	0
AL078581.	12	2	5	5	9	6
N4BP2L2-	5216	2079	4570	4093	2603	3702
AL606763.	2	0	0	0	0	0
LINC01395	37	22	36	15	19	36
AC105749	764	359	562	606	260	416
TRG-AS1	3344	913	3811	3464	1676	2803
AC135068	0	0	0	0	0	0
AC006355	0	0	0	0	0	0
PTENP1-A	17	6	15	27	2	7
SCHLAP1	0	0	0	0	2	0
AC018358	2	0	0	0	0	0
LINC01127	84	140	229	86	171	87
AL355390.	0	0	0	0	0	0
FP236383.	189	16	20	10	14	2
NPTN-IT1	984	397	1091	815	663	624
LINC00706	0	0	0	0	0	0
GHET1	22	0	0	3	9	7
AC007878	1837	1192	2455	1753	1150	1564
LINC00934	0	0	0	0	0	0
LINC01097	0	2	0	0	2	0
SLFNL1-AS	579	255	656	606	484	441
LINC00254	0	0	0	0	0	0
LINC02536	4	0	0	0	0	0
SALRNA3	0	0	0	0	0	0
LINC01338	0	0	0	0	0	0
LINC00997	53	40	76	15	43	3
AC024941	0	0	0	0	0	0

HELLPAR	563	188	524	511	1076	435
ARRDC3-A	369	131	255	339	227	174
RASSF1-A	51	37	130	68	44	48
AL049541.	0	0	0	0	0	0
INE2	4	2	16	1	6	8
ABALON	107	57	113	104	83	52
FP671120.	4	1	1	1	0	0
AP003500.	0	0	0	0	0	0
LINC00506	12	8	11	12	6	1
SNHG4	422	60	410	96	132	85
LINC01176	202	126	160	113	167	135
BLACAT1	16	2	5	10	1	7
PANDAR	0	0	0	0	0	0
TGFB2-OT	6	28	33	25	17	16
AL049541.	0	0	0	0	0	0
AC006504	88	15	44	45	14	45
AC019226	307	126	293	203	141	228
PISRT1	0	0	0	0	0	0
LINC01955	0	0	0	0	0	0
DNAJB5-D	0	6	7	7	3	6
SEPSECS-A	968	313	878	789	547	597
AC004461	328	194	374	279	171	187
AC254562	35	27	34	24	20	31
LINC00895	0	0	0	0	0	0
LSINCT5	0	0	0	0	0	0
AL157778.	0	0	0	0	0	0
AC241585	241	155	239	210	101	87
DBET	1	1	1	1	0	1
SAMD12-A	0	0	0	0	7	9
EBLN3P	6879	4413	7605	5914	4193	5054
AP000851.	0	0	0	0	0	0
LINC00538	0	0	0	0	0	0
RBM5-AS1	17	10	45	22	10	11
PACRG-AS	0	0	0	0	0	0
LINC01012	50	34	77	20	74	57
ERC2-IT1	0	0	0	0	0	0
LINC01080	0	0	0	0	0	0
AC110079	7	1	4	2	2	2
Z84468.1	0	0	0	0	0	0
AC241377	67	36	43	42	13	47
C2-AS1	0	0	0	3	0	0
LINC01230	0	0	0	0	0	0
AC019226	46	16	6	23	12	24
LINC00550	0	0	0	0	0	0
LINC01394	0	0	0	0	0	0
HCP5B	24	33	26	28	53	39
LINC00602	0	0	0	0	0	0
AL732314.	0	3	6	0	4	4
LINC00891	419	142	247	244	112	138
AC106017	23	0	0	2	0	3
PAUPAR	0	0	0	0	0	0
LINC02246	24	27	31	29	27	21
AC233263	0	0	0	0	0	0
LINC01144	9	4	26	3	8	6
AC007389	0	0	0	0	0	0
AF067845.	0	0	0	0	0	0
AL592158.	0	29	9	0	0	0
AC025268	0	4	4	0	8	1

AP000357.	0	0	0	0	0	0
AC100810	10	9	1	7	10	2
AC006581	0	0	0	0	0	2
AL009031.	0	3	0	0	0	0
AC074387	0	0	0	0	0	0
Z82244.1	0	0	0	0	0	0
AL591742.	0	0	0	0	0	0
AC092807	1	0	0	0	2	0
AC006511	0	0	6	0	0	0
AL160408.	0	0	0	0	0	0
AL137793.	0	0	0	3	0	0
AL592430.	0	0	0	0	0	2
AC245187	0	0	0	0	0	0
AL137798.	2	0	0	0	0	0
AF067845.	0	0	0	0	0	0
PEG13	793	517	1194	905	675	695
AC007993	6	0	0	10	2	6
AC119427	0	0	0	0	0	0
AL450990.	0	0	0	0	0	0
AC140479	0	5	0	0	4	0
AL451007.	0	0	2	0	0	0
AC100797	0	0	0	0	0	0
AC104073	0	0	0	0	0	0
AL358472.	14	4	12	13	9	13
AL392083.	8	0	3	6	0	4
AC016588	53	56	75	61	19	57
AL109920.	0	2	0	0	0	1
AC092811	0	3	2	0	10	0
AC074099	0	2	0	0	0	0
AL109837.	0	0	0	0	0	0
LINC01002	410	542	570	259	203	195
AC110491	0	0	0	0	0	0
AC092192	0	0	0	0	1	0
AC008993	8	1	1	1	0	0
AC068733	0	0	0	0	5	2
AL133516.	0	0	0	0	0	0
AC215522	611	717	1184	249	209	302
FAM138F	0	0	0	0	0	0
Z82244.2	0	0	0	0	0	0
AC245519	0	0	0	0	0	0
AC129915	0	0	2	0	0	0
AC104333	0	0	0	0	0	0
PGR-AS1	0	0	0	0	0	0
AL021920.	2	3	0	2	0	3
AC093323	19	8	9	14	10	14
AC026950	0	0	0	0	0	0
AL358790.	15	5	11	8	10	4
AL157888.	2	0	0	1	0	0
AC090164	0	0	0	0	0	0
AC008993	1	1	3	4	0	1
AC008993	0	0	0	0	0	0
AC000035	6	2	2	3	0	2
AC009971	8	6	5	12	11	0
AC068544	0	0	0	0	0	0
AC004554	2	3	0	6	2	0
AL590644.	0	0	0	0	0	0
AL359834.	0	0	0	0	0	0
BISPR	492	267	543	458	520	408

AC003992	0	0	0	0	0	0
AC084035	35	31	85	23	24	57
AC012560	4	0	0	3	10	0
AL356118.	2	6	1	3	0	2
AL157815.	0	0	0	0	0	0
Z98752.4	0	0	4	6	0	8
AC027045	0	0	0	0	0	0
AL627171.	26	27	33	40	20	26
AL358215.	0	0	0	0	0	0
AC009975	0	0	0	0	0	0
AL162727.	0	0	0	0	0	0
AL353651.	0	0	0	0	0	0
AC107398	0	0	0	2	0	0
AL513321.	0	0	0	0	0	0
Z98883.1	221	134	323	286	196	195
Z83818.2	0	0	0	0	0	0
AC091769	33	28	44	28	34	40
AP003171.	0	0	0	0	0	0
AC107068	0	0	0	0	0	0
AC010424	0	0	0	0	0	0
AC004706	54	43	39	57	38	47
AC004784	0	0	0	0	0	0
AC140481	0	0	0	0	0	0
AC063952	0	0	0	0	0	0
AC008537	13	12	26	20	13	12
AL583852.	0	0	0	0	0	0
PRNCR1	776	434	1131	1005	244	695
AC026108	0	0	0	0	0	0
AP001005.	0	0	0	0	0	0
LINC02034	0	0	0	0	0	0
PCBP2-OT	139	149	317	202	106	108
AC099753	0	0	0	0	0	0
AL356737.	0	0	1	0	0	0
AC022021	3	5	2	13	10	3
AL162456.	0	0	0	0	0	0
AC009975	0	0	0	0	0	0
AL392046.	0	0	0	0	0	0
AL450426.	0	0	0	0	0	0
AC007221	0	0	0	0	0	0
AL589826.	0	0	0	2	0	0
AC027045	0	0	0	0	0	0
AL139099.	302322	283739	471774	341443	256874	313879
AC009242	31	12	21	29	15	40
AC022596	0	0	0	0	0	0
LINC01988	0	0	0	5	0	0
AL391597.	1	0	0	0	0	0
AC103703	190	156	409	246	210	152
LINC01668	0	0	0	0	0	0
LINC02456	2	0	0	0	0	0
AL390862.	2	0	0	0	0	0
AC009234	0	0	0	0	0	0
AC215522	0	0	1	0	0	0
AL353759.	49	32	75	58	50	42
AL158175.	0	0	0	0	0	0
SMUG1-AS	3	0	2	0	0	0
AL157931.	1	0	0	0	0	0
AL137077.	26	2	27	13	4	4
LINC02498	0	0	0	0	0	0

FP565171.	0	0	0	0	0	2
AL731555.	3	2	4	6	0	5
AL159152.	0	0	0	0	0	0
AL132857.	0	0	0	0	0	0
AC010642	112	52	139	89	101	133
AC011451	13	8	13	7	3	10
AC004949	0	0	0	0	0	0
AC009951	8	0	4	5	2	0
HYMAI	193	153	273	216	216	171
AC022726	5	2	3	1	3	3
AC009403	13	7	12	11	12	2
AC006207	7	2	5	14	7	2
AL157832.	33	12	38	45	18	27
AC137936	0	0	4	0	0	0
AC116353	237	148	256	211	154	211
AC012564	0	0	0	0	0	0
AC012507	0	0	6	4	0	0
AC007920	0	0	0	0	0	0
AC116565	0	0	0	0	0	0
AC106858	17	9	24	22	15	5
AC130466	0	0	0	0	0	0
LINC02537	0	0	0	0	0	0
AC068205	0	0	0	0	0	0
AC007218	0	0	0	0	0	0
AC139493	3	2	7	4	0	5
AC007529	0	0	0	0	0	0
AL022100.	0	0	0	0	0	0
AC007491	0	0	0	0	0	0
AC242022	0	0	0	0	0	0
AL356234.	0	0	0	0	2	0
AC093277	0	0	3	0	0	0
AP005212.	181	81	292	309	155	186
AC073869	0	0	0	0	0	0
LINC02183	0	0	0	0	0	0
LINC02357	0	0	0	0	0	0
AL831711.	0	0	0	2	0	3
AC068205	532	274	636	553	415	420
AL160396.	2	0	2	3	0	0
LINC00680	125	50	170	86	67	109
AC074194	0	0	2	4	0	0
AL592295.	4	0	0	2	2	0
AC087521	0	3	3	3	0	0
AL807742.	0	0	0	0	6	0
AC108477	0	0	0	0	0	0
AL138694.	7	9	12	2	10	3
AC090952	0	0	0	0	0	0
AC114737	58	17	62	58	10	29
AL807740.	0	0	0	0	0	0
AC005394	38	79	158	22	299	38
AL121759.	0	0	0	0	0	0
MIR548A1	0	0	0	2	1	0
AL590627.	22	20	28	30	18	16
AC008703	0	0	0	0	0	0
AC087280	0	0	20	0	8	0
AC024614	0	0	0	0	0	0
LINC02452	0	0	0	0	0	0
AC109462	0	0	0	0	0	0
LINC01958	0	0	0	0	0	0

LINC01260	0	15	16	35	28	0
AL136985.	0	2	13	5	8	6
AC087565	0	0	0	0	0	0
AC011139	3	0	0	0	0	0
AC009804	0	0	0	0	0	0
AC008505	0	0	0	0	0	0
AL512380.	5	0	4	0	0	6
LINC01902	0	0	0	2	0	0
AC006974	0	0	0	0	0	0
AC005144	0	0	0	0	0	0
AL592287.	0	0	0	0	0	0
AC005972	10	2	0	4	0	0
BX088723.	0	0	0	0	0	0
AC007161	73	35	82	71	33	57
LINC02341	8	0	1	3	3	0
AL157371.	0	0	6	0	0	0
AL160035.	0	0	0	0	0	0
AL031056.	6	0	0	6	0	2
AL137785.	0	0	0	0	0	0
AC016526	3	3	1	2	2	0
AL928596.	0	0	0	0	0	0
AP000547.	179	125	265	190	463	155
AC012485	0	0	0	0	0	0
AC002407	17	8	7	8	7	6
LINC02009	34	25	25	22	14	71
AL512643.	0	0	0	0	0	0
AC006974	0	0	0	0	0	0
AC138904	8	6	0	0	0	0
AC009802	6	0	19	4	9	0
AC068587	949	738	815	544	609	837
AC013268	0	0	0	0	0	0
AC018553	0	5	0	0	0	0
Z96074.1	0	0	0	0	0	0
AL592295.	52	14	64	62	17	35
AL023875.	6	2	1	1	2	1
AL009172.	26	9	25	18	6	3
AL031686.	0	2	4	6	6	0
AC141930	0	0	0	0	0	1
CR392000.	0	0	0	0	0	0
AL137002.	22	23	16	7	5	0
AC096667	664	283	784	563	739	479
AC092053	9	12	28	29	23	11
BX664615.	8	10	43	44	8	26
AC011416	24	11	22	5	7	12
AD000090	0	0	0	0	0	0
BMS1P21	0	0	0	0	0	0
AC087645	0	2	0	0	0	0
AP002851.	14	6	9	6	9	4
AC099795	0	0	2	0	3	0
AL445623.	0	8	12	3	0	0
AC017000	0	0	0	0	0	0
AC092652	861	755	1370	993	733	739
AL358215.	0	0	0	0	0	0
AC073111	173	99	294	193	100	125
AC006460	94	60	103	77	47	69
AP000356.	8	0	0	5	6	0
AOX3P-AC	0	2	4	0	12	0
AC055733	3	0	3	2	2	2

AL772307.	74	31	3	96	3	18
AL158064.	0	0	0	0	0	0
AL356275.	0	0	3	5	8	4
AC099062	0	0	0	5	0	0
AC007326	14	3	7	5	3	10
AL391650.	0	0	0	0	0	0
AC092017	0	0	1	0	0	0
AL589669.	0	0	0	0	0	0
AL139398.	3	2	4	6	0	2
AL391117.	0	0	0	0	0	0
IPO5P1	1477	747	1754	1307	973	917
AC020912	0	0	0	0	0	0
AC093326	0	0	0	0	0	0
CR769775.	26	0	19	10	8	2
AC134980	0	0	0	0	0	0
AC006063	0	0	0	0	0	0
AC004834	23	9	22	20	9	24
AC092634	0	0	0	0	0	0
AC066615	5	6	4	6	2	5
LINC01226	22	81	95	106	132	66
AC093390	0	0	0	0	0	0
AL590440.	0	0	0	0	0	0
AL031432.	206	63	119	148	75	95
AC073869	0	0	0	0	0	0
AC105233	226	117	146	143	123	240
AL121936.	0	0	0	0	3	0
AC016912	0	0	0	0	0	0
AL591543.	0	0	0	0	0	0
AL078582.	4	0	0	0	4	0
AL139823.	0	0	0	0	0	0
AL391294.	0	1	1	2	0	0
AL139158.	0	0	0	0	0	0
AC092902	47	14	41	12	11	15
AL354702.	0	0	3	0	0	0
AL031590.	14	10	41	13	14	12
AC092821	3581	782	1540	6275	1240	1786
AL590434.	0	0	6	6	4	0
AL139254.	0	0	0	0	0	0
AL139424.	17	10	25	27	23	18
AC074386	120	37	208	40	76	105
AL592182.	0	0	0	0	0	0
AL031291.	0	0	0	0	0	0
AL031430.	0	0	0	0	0	0
BX323043.	0	0	0	0	0	0
AL357509.	0	0	0	0	0	0
AL645937.	0	0	0	0	0	0
AL031432.	21	3	9	11	10	9
AL161756.	50	28	78	43	43	46
Z98259.2	0	0	0	0	0	0
AL805961.	0	0	0	0	0	0
AC092053	0	45	103	1	0	0
BX005132.	0	0	0	0	0	0
AC116667	0	0	2	0	0	0
AL645944.	0	0	0	0	0	0
AL031985.	1	0	0	0	0	0
AL033527.	3	0	6	4	2	0
AC009093	323	179	514	405	372	287
Z98259.3	0	0	3	0	0	0

AL928921.	12	0	4	6	11	6
AL355602.	0	0	0	0	0	0
AL596275.	0	0	0	0	0	0
AC006511	1223	955	1748	1672	1182	994
AL445648.	2	0	0	0	0	0
AL049637.	0	0	0	0	0	0
AL136115.	0	0	0	0	0	0
AL805961.	0	8	2	2	0	0
AL596257.	0	0	0	0	0	0
AC079781	1483	501	1569	1157	831	1063
AL031731.	0	0	2	0	0	0
Z98257.2	0	0	0	0	0	0
AL034417.	0	0	0	0	0	8
AL033527.	58	40	151	115	70	39
AC117945	0	0	0	0	0	0
AL662907.	13	1	9	0	7	7
AP003175.	3	0	0	0	0	0
AL109936.	3	0	2	0	0	0
AC006115	0	0	0	7	0	2
AC099063	51	16	40	62	21	49
AL139424.	1	3	3	7	2	8
AL358472.	29	25	53	19	6	13
BX005132.	0	0	0	0	0	0
AL139254.	0	0	0	0	0	0
AL591163.	0	0	0	0	0	0
AL589702.	0	0	0	0	0	0
AL034417.	60	28	71	121	53	44
AL513220.	0	0	0	0	0	0
AC245033	2601	1287	2569	2446	1300	1795
AC099791	0	0	0	0	0	0
AL365394.	0	0	0	0	0	0
AL356747.	0	0	0	0	0	0
AL121935.	48	7	24	17	15	8
AC012020	579	254	690	497	355	501
AL662884.	204	142	290	254	135	143
AL049557.	77	49	68	57	42	38
AC007846	0	0	0	0	0	0
AC018637	0	0	0	0	0	0
AL355981.	6	0	7	4	4	0
LINC02359	0	0	0	0	0	0
AC015908	0	0	0	0	1	0
AC133644	1377	940	2104	1620	1137	1219
AL359762.	49	37	93	81	49	39
AC074008	95	35	64	62	39	69
AL121935.	0	2	6	4	4	0
AL445205.	0	0	0	0	0	0
AC005280	141	226	231	90	72	102
AC107959	132	459	411	27	52	30
AL662884.	4	3	6	6	3	17
AF131216.	0	0	0	0	0	0
AC007262	66	57	69	45	88	55
AL138689.	2	0	11	10	14	0
AC093827	104	70	151	137	106	153
AL160272.	103	112	215	83	120	94
LINC02203	0	0	0	0	0	0
AL590282.	5	0	0	0	0	0
AL591518.	0	0	0	0	0	0
AC005280	261	328	497	233	198	276

AC092723	0	0	0	0	0	0
AC017002	4	0	0	1	2	2
AC245140	18	4	7	2	5	17
AC092723	0	0	3	6	0	4
AL035412.	0	0	0	0	0	0
AC099499	2	0	2	3	1	0
AC026316	21	13	0	0	0	9
AC074008	0	0	0	0	0	0
AL513493.	2	0	0	0	0	0
AC068724	18	6	7	10	6	0
AC004593	18	15	22	24	19	15
AC002074	0	0	0	0	0	0
AL109840.	8	0	8	11	3	2
LINC01488	0	0	0	0	0	0
AC025887	0	0	0	0	0	0
AL359555.	0	0	0	0	0	0
AL451123.	27	18	49	40	31	28
AC016831	2191	2009	619	1164	1080	1981
AC103718	0	2	0	0	0	0
AC068724	0	0	0	0	0	11
AC083829	2	0	0	0	0	4
AC092306	0	0	0	0	0	0
AL359555.	7	5	11	5	4	12
AC140134	20	18	38	33	41	24
AC092153	0	9	22	20	0	0
AL627422.	27	18	33	34	18	21
AC092723	17	10	11	9	15	0
AC124014	34	18	41	30	16	14
AL358117.	0	0	0	0	0	0
AL357556.	0	0	0	0	0	0
AC093154	0	0	0	0	0	0
AC244033	27	2	27	55	19	40
AC018754	5	6	8	15	8	10
AC090679	0	0	0	0	0	0
AC104454	0	0	0	0	0	0
AC139834	20	16	36	31	36	24
AL121612.	0	0	7	0	0	0
AL136382.	74	24	54	45	24	47
AL009178.	0	0	0	0	0	0
AL355499.	0	0	0	0	0	0
AL591485.	206	85	199	95	95	128
AC015908	6	0	0	0	0	0
RALY-AS1	243	41	189	176	129	109
AL137789.	0	0	0	0	0	0
DINOL	5	2	2	2	0	0
AL513128.	0	0	0	0	2	0
TFAP2A-A	0	0	0	0	0	0
AL390957.	79	59	126	112	67	90
LINC00842	0	0	0	0	0	0
AC073176	0	0	0	0	2	0
AC002470	1951	960	2356	1920	1102	1400
AC104169	0	0	0	0	0	0
AC090517	396	141	445	351	223	312
AC108734	0	0	3	0	0	0
AC091564	2062	1102	2644	2136	1935	1503
AL359555.	0	0	0	0	0	0
AC010745	0	0	4	0	2	2
AL844170.	0	0	0	0	0	0

AC008533	9	7	9	10	0	6
AC087564	0	0	0	0	0	0
LINC02478	50	11	21	25	22	38
AL359762.	0	0	0	4	0	0
AC079799	0	0	0	0	0	0
AC104162	1163	646	1501	1251	683	1008
AC244230	0	0	0	0	0	0
AL033530.	0	0	0	0	0	0
AC099671	0	0	0	0	0	0
GABPB1-I	2832	1653	3769	3017	1829	1939
AC005232	0	0	0	0	0	0
AP001056.	0	2	0	9	0	0
AL162718.	0	0	0	0	0	0
SOD2-OT1	25	26	47	30	28	20
AL136961.	0	6	10	6	15	2
AC111006	19	2	29	4	0	5
AL353651.	0	0	0	0	0	0
AL136419.	37	17	62	26	23	3
AL691520.	0	0	0	0	0	0
AL590381.	0	0	0	0	0	0
AC003043	0	8	2	0	0	0
AL356417.	237	106	216	241	173	155
AC104389	0	0	0	0	0	0
AP006216.	0	0	0	0	0	0
LINC00941	0	8	34	11	7	4
AC004900	3	0	0	2	0	0
AC104781	0	0	0	0	0	0
AL353586.	0	0	0	0	0	0
AC119673	0	0	0	0	0	0
AC005906	0	0	0	0	0	0
AC073236	0	0	0	0	0	5
AC099670	0	0	0	0	0	0
AC136285	0	0	0	0	0	0
AC016816	0	0	0	0	0	0
AL445928.	0	3	0	0	0	8
AC091614	0	0	0	0	0	0
AP001362.	95	47	73	126	45	73
AL163541.	44	115	114	77	113	40
AC021683	2	40	194	143	59	44
AC091770	0	0	0	0	0	0
AC092134	0	7	2	5	13	6
AC006059	3	0	3	0	0	0
AC022023	2	3	8	0	0	0
AC005548	0	0	0	0	0	0
AC022168	0	0	6	0	0	0
AC115220	0	0	0	0	0	0
AC124798	0	0	0	0	0	0
AC068725	0	0	0	0	0	0
AC091973	0	0	0	0	0	0
AC110014	0	0	0	0	0	0
AC114977	4	0	0	0	0	0
AL137182.	0	0	0	0	0	0
AC242988	49	92	107	50	80	74
AC005293	0	0	0	0	3	4
AL354897.	0	0	0	0	0	0
AC069410	0	0	0	2	0	6
AC022903	0	0	0	0	0	0
AC103739	6	2	11	0	7	0

AP001804.	0	0	0	0	0	0
AC090099	0	0	0	0	0	0
AC106872	0	0	0	0	0	0
DKFZp451	0	4	0	6	4	0
AL671762.	1847	926	2349	1097	888	1015
AC074051	0	0	2	0	0	0
AP003398.	0	0	0	0	0	0
AC099344	0	0	0	0	0	0
AL590666.	3	0	0	0	0	0
AL513548.	123	66	85	47	46	100
AL136441.	0	7	4	3	2	5
AC083864	0	0	0	0	0	0
AP001496.	0	0	0	0	0	0
AC019127	0	0	0	0	0	0
AL035696.	7	12	9	21	44	5
AC015687	6	4	0	3	4	6
CR769776.	0	0	0	0	0	0
AC091196	359	156	220	311	116	235
AC016042	0	0	0	0	0	0
AC010422	151	54	221	165	124	138
AL158800.	0	0	0	0	0	0
AL132875.	0	0	0	0	0	0
AC012470	0	0	0	0	0	0
AL160254.	0	0	4	0	0	2
AC010291	0	0	0	0	0	0
AC092617	2	2	3	0	0	0
AC080068	0	0	0	0	0	0
AC055872	0	0	0	0	0	0
AP000902.	0	0	0	0	0	0
AC105114	0	0	0	0	0	0
AC017116	727	459	933	779	453	622
AC051619	9	2	11	17	0	0
AL023283.	0	0	0	0	0	0
AC234917	2	0	3	6	2	2
AC023593	7	4	8	7	0	5
AC084262	0	0	0	0	0	0
AL035693.	0	0	0	0	2	2
AL357835.	0	0	0	0	0	0
AC109441	0	0	0	0	0	0
AC079200	0	0	3	0	0	0
AL161665.	6	0	10	8	3	3
AL590286.	0	0	0	0	0	0
AC007132	0	0	0	0	0	0
AC004974	54	25	78	36	22	16
AC099482	0	0	0	0	0	0
AC026100	2	0	0	0	0	0
AL359508.	0	0	0	0	0	0
AC114977	8	0	0	22	0	2
AC074132	2	5	0	0	0	4
AL449214.	0	0	8	3	0	0
AL138999.	0	0	0	0	0	0
AL135926.	0	0	0	0	0	0
Z82202.2	0	0	0	0	0	0
AC025062	0	0	0	0	0	0
AC005343	0	0	8	2	5	4
AC126755	842	325	1478	1295	506	486
AL590068.	0	2	0	3	3	3
AC097105	0	0	0	0	0	0

AC084024	0	0	2	2	4	3
AL132633.	0	0	0	0	0	0
AL583827.	2	0	0	0	0	0
AL450163.	0	0	0	0	0	0
AL161449.	0	0	0	0	0	0
AL138927.	0	0	0	0	0	0
AL133259.	11	0	4	0	0	0
AP001999.	0	0	0	0	0	0
AL139330.	0	0	0	0	0	0
AL354741.	0	0	0	0	0	0
AC108448	0	0	0	0	0	0
AL021155.	34	70	274	54	1	31
AL671883.	0	0	3	0	4	0
AC137735	2	0	0	0	0	0
AL357079.	0	0	7	0	4	2
AL157827.	21	16	20	13	25	15
AL450992.	6	3	9	4	0	0
AL591428.	0	0	0	0	0	0
AC006238	0	0	2	0	0	0
AC090953	0	3	0	2	0	6
AP002793.	0	0	0	0	0	0
AC127035	5	4	7	7	7	2
AC092958	0	0	0	0	0	0
AC127520	0	0	0	0	0	0
AL731733.	2	0	0	0	3	0
AC108457	0	0	0	0	0	0
AL139317.	20	6	16	22	5	11
AC006972	0	0	4	0	0	0
AC012291	90	62	86	66	25	58
AC126544	0	0	0	0	0	4
AC026979	204	120	263	189	117	163
AC006970	0	0	0	0	0	0
AL139405.	0	0	0	0	0	0
AL160396.	3	6	0	4	0	3
AC007092	0	0	0	0	0	0
AC023385	5	0	0	0	0	0
AL158212.	43	14	22	26	15	34
AL355388.	0	0	0	0	0	0
AC097626	13	13	29	13	6	15
AL355481.	0	0	0	0	0	0
AC091576	0	0	0	0	0	0
AC023781	0	0	0	0	0	0
AL137781.	0	0	0	3	0	3
AC115284	0	0	0	0	3	0
AL353613.	3	0	0	8	0	0
AL161443.	116	43	63	43	72	50
AC091951	0	0	0	0	0	0
AL445259.	0	0	0	0	0	0
AC023509	0	4	0	5	0	0
AP002381.	110	70	102	63	48	55
AL162718.	0	0	0	0	0	0
AC016383	0	0	0	0	0	0
AP002433.	329	163	233	282	174	199
AL049825.	0	0	0	0	0	0
AL360267.	0	0	0	0	0	0
AC104260	0	0	0	0	0	0
AL357140.	2	0	1	5	2	0
AC211476	277	76	301	188	46	113

AL021918.	0	0	0	0	0	0
AC004765	2	0	12	8	1	6
AC090692	9	0	7	7	4	6
AL807776.	4	0	0	3	0	5
AL008720.	0	0	0	0	0	0
AL592164.	0	0	0	0	0	0
AC012184	31	33	42	41	33	24
AC018683	0	0	0	0	0	0
AC068707	2	0	0	0	0	11
AL159158.	0	0	0	0	0	0
AC063960	0	0	0	0	0	0
AC004129	0	0	0	0	0	0
AL162719.	0	0	0	0	0	0
AL353072.	0	0	0	0	0	0
AL356275.	0	0	0	0	14	0
AC207130	0	0	0	0	0	0
AC092110	0	0	0	0	0	0
AC004967	1393	653	1356	1349	820	966
AL031121.	0	0	0	0	0	0
AL136419.	7	2	1	0	4	0
AC098484	36	12	11	31	13	24
AC103874	0	0	0	0	0	0
Z94721.3	324	218	278	290	203	174
AC090644	12	4	19	25	22	8
AC121334	0	0	0	0	0	0
AC005414	0	0	0	0	0	0
AP003062.	0	0	0	0	0	0
AC131025	0	2	10	9	0	2
AL138920.	172	146	191	173	120	80
AC098969	0	0	0	0	0	0
AC010157	0	0	0	0	0	0
AC090692	2	0	0	0	0	0
AC005999	0	0	0	0	0	0
AL445604.	0	0	0	0	0	0
AL158210.	0	0	0	0	0	0
AC083837	129	34	122	83	94	49
AL133485.	0	1	8	2	4	3
AC090337	0	0	0	0	0	0
AL157385.	0	0	0	0	0	0
AC021723	12	0	2	8	0	0
AL031281.	28	20	30	39	7	22
AC008170	0	0	0	0	0	0
AC132153	39	2	14	17	17	6
BX890604.	1158	810	513	921	638	1311
AC036214	3	0	0	6	0	3
AL138885.	0	0	0	0	0	0
AL645939.	26	12	40	25	18	21
AL358777.	2	2	5	20	15	6
AL445989.	0	0	0	0	0	0
AC092042	6	2	0	0	1	0
AC232323	0	0	0	0	0	0
AP003100.	0	0	0	0	0	0
AC018653	0	0	0	0	0	0
AL139095.	0	0	0	0	0	0
AL161893.	3	0	4	0	5	3
AL133444.	12	19	23	116	69	17
AC109136	0	0	0	0	0	0
AL591463.	0	0	0	0	0	0

AC109129	0	0	0	0	0	0
AC116099	20	6	27	10	7	1
AC098588	0	0	9	3	3	2
AL353595.	0	0	0	0	0	0
AC003950	0	0	0	0	0	0
AC074325	0	0	0	0	0	0
AC099782	0	0	0	1	0	0
AL162717.	0	3	0	2	0	5
AC021517	2	0	0	4	0	0
AC040169	0	0	0	0	0	0
AC125232	1645	1407	2756	1922	1364	1290
AL162458.	825	294	644	598	295	593
AL512658.	0	0	0	0	0	0
AC092958	0	0	0	0	0	0
AC026462	0	0	0	0	0	0
AL133268.	0	0	0	0	0	0
AL450043.	8	6	4	7	3	2
AL442003.	11	5	6	8	5	4
AC093218	0	0	0	0	0	0
AC012378	0	0	0	0	0	0
AL391560.	0	0	0	0	0	0
AL353768.	0	0	0	0	0	0
AL583808.	0	0	0	0	0	0
AC093295	0	0	0	0	0	0
AC018511	5	2	3	5	0	0
AL355677.	0	0	0	0	0	0
AL390719.	8	0	0	0	3	0
AP000813.	0	0	2	0	0	0
AC105213	0	0	0	0	0	0
AC131180	0	0	0	0	0	0
AL157829.	0	0	0	0	0	0
AC011899	0	0	0	0	0	0
AC129926	0	0	0	0	0	0
AL050344.	0	0	5	0	0	3
AL353796.	0	0	3	3	0	3
AP003501.	2	0	5	0	0	2
AL356807.	0	0	0	0	0	0
AC005921	11	3	4	0	2	0
AL109628.	15	7	18	0	15	8
AC027329	0	0	0	0	0	0
AL590989.	0	0	0	2	0	4
AL356413.	0	0	0	0	0	0
AP000676.	0	0	0	0	1	0
AC092896	26	14	6	10	7	5
AC024598	81	50	146	119	28	105
AL646090.	0	0	0	0	0	0
AL353648.	0	7	0	2	0	0
AC005692	0	0	0	0	0	0
AP000820.	4	0	0	0	0	0
FO393414.	8	15	10	8	0	3
AL392086.	0	0	0	0	0	0
AL358613.	27	5	9	15	9	6
AL713852.	1	0	0	4	0	0
AC025280	0	0	0	0	0	0
AL021918.	0	0	2	3	0	0
AC009152	4	2	12	7	4	8
AL359762.	1663	1421	2771	1397	1205	1214
AL353147.	20	6	33	22	7	11

AL137802.	0	0	0	0	0	0
Z72006.1	0	0	0	0	0	0
AL353704.	9	10	10	4	4	13
AC016727	4	0	6	2	0	2
AL137005.	0	0	0	0	0	0
AL512598.	21	2	8	13	6	11
AC010677	0	0	0	0	0	0
AC026991	0	0	0	0	0	0
AC009554	4	0	18	3	6	2
AP000593.	0	0	4	0	0	2
AC010285	12	0	7	4	0	6
AC009432	0	0	0	0	4	0
BX470102.	0	0	0	0	0	0
AC130456	0	0	0	0	0	0
AC012673	6	0	2	3	0	0
AL359844.	7	0	8	2	0	0
AC007240	11	8	14	8	5	5
AL445253.	0	0	2	0	0	3
AL035446.	0	0	3	0	4	0
AC093912	0	0	0	0	0	0
AC007448	5	3	4	25	9	8
AP002961.	0	0	0	0	0	0
AC018628	4	0	3	0	0	0
AC105206	0	0	0	0	0	0
AC093516	0	0	0	0	0	0
AC123784	0	0	0	0	0	0
AL022345.	8	20	9	10	9	4
AC092058	0	0	0	0	0	0
AC211476	86	27	56	99	70	59
AL009176.	11	4	2	0	0	0
Z85996.2	14	18	8	17	19	31
AL355312.	0	0	1	0	0	0
AC009623	0	0	0	0	0	0
AC006043	2	0	1	0	0	0
AL136372.	0	0	0	0	0	0
AP003557.	71	24	72	103	33	68
AC074281	0	0	0	0	0	0
AC007317	0	0	0	0	0	0
AL023574.	0	0	0	0	0	0
AC079177	0	0	0	0	0	0
AL136442.	0	0	0	0	0	0
AC006452	0	0	0	0	0	0
AL033527.	0	0	6	0	0	0
AC083855	14	12	33	8	37	19
AL161910.	6	0	4	3	5	0
AC080128	0	0	0	3	0	0
AP002762.	3	4	14	5	4	3
AL513013.	0	0	0	0	0	0
AL391834.	0	0	0	0	0	0
AC022440	8	3	0	0	0	0
AC015819	0	0	0	0	0	0
AL109924.	0	0	0	0	0	0
AC092376	8	0	4	12	7	0
AC087639	0	0	0	0	0	0
AP000779.	14	2	21	15	10	9
AC104453	0	0	0	0	0	0
AL160171.	31	9	21	15	11	24
AC007391	0	0	0	0	4	0

AC005082	4	0	10	8	3	4
AC103591	0	0	0	0	0	0
AL353789.	0	0	0	0	0	0
AC015813	0	0	0	0	0	0
AC005495	0	0	0	0	0	0
AP003498.	0	0	0	0	0	0
AC091074	0	0	0	0	0	0
AL159978.	0	8	6	0	0	0
AL392024.	0	0	0	0	0	0
AC072022	8	27	45	13	24	9
AC034268	0	0	0	0	0	0
AC009899	0	0	0	0	0	0
AL133257.	0	0	0	0	0	0
AC242022	0	0	0	0	0	0
AC123768	0	0	0	0	0	4
AC020663	142	42	113	61	44	106
AC119428	7	0	2	0	2	5
BX842242.	0	0	6	0	0	0
AC019257	0	0	0	0	0	0
AC073174	0	0	0	0	0	0
AL590556.	0	0	0	0	0	0
AC005100	3	0	0	0	0	0
AL590814.	0	0	0	0	0	0
AL035467.	0	0	0	0	0	0
AC002074	0	0	0	0	0	0
AC007686	4	24	12	2	0	2
NIPBL-DT	1969	735	1827	1839	1308	1316
AL022324.	5	2	0	0	5	2
AC087591	0	0	0	0	0	0
AC106820	0	0	2	0	0	0
AC023095	0	0	0	0	0	0
CERNA2	0	2	0	0	0	0
AC063960	0	0	0	0	0	0
AC026624	0	0	0	0	0	0
AC022068	0	0	0	0	0	0
AC009090	35	13	30	14	8	12
AP003025.	0	0	0	0	0	0
AL591888.	0	0	0	0	0	0
AC009301	7	0	2	0	0	0
AC136297	0	0	0	0	0	0
AL157886.	0	0	0	0	0	0
AL392086.	0	0	0	0	0	0
AL357123.	0	0	0	0	0	0
AC120036	0	0	0	0	0	0
AC018931	2	0	4	0	0	0
AL731559.	1981	2104	2016	1316	1397	1197

Supplementary4: The proteins expression matrix

Protein Na	Gene Nam	LFQ intens	LFQ intens	LFQ intensity V	LFQ intensity V3	
Immunoglo	IGKV2-30	137152.6	127893.3	202060.0725	97227.96	
Immunoglo	IGKV3-20	96336.07	81023.87	27353.12615		
Soluble sca	SSC5D	9601.921	16963.58	37490.01783		
Immunoglo		2134903	2110901	4385739.165	2483335	
PDZ and LI	PDLIM1	241198	302342.1	100753.5815	294238.9	
Mannan-bir	MASP2	658979.4	541184.3	146857.8151	258324.4	
Chloride int	CLIC1	144255.6	147076.4	83466.51402	260236.3	

Sulfhydryl c	QSOX1	2112043	2654464	2100080.557	1608253	
Neural cell	CHL1	885488.8	1041055	1060573.408	911346.5	
Podocalyxi	PODXL		7379.827	35754.96925	26319.16	
Immunoglo	ISLR	44530.17	31058.54	24425.84884	26552.29	
Neuropilin-	NRP1	771575.7	620905	464090.6906	645611.9	
Apolipoprot	APOL1	834595.6	382879.9	689354.9539	819586	
Actin-relate	ARPC1B	42060.18	27353.31	29736.26682	88371.26	
Actin-relate	ARPC2	29992.24	51955.14	50698.19378	116907.1	
Neural cell	NCAM2	38306.5	71326.61	61714.63494	73285.52	
Plexin-B1	PLXNB1	18579.4	20194.91		23117.85	
Thioredoxir	TXNL1				7527.899	
Trans-Golg	TGOLN2	33329.29	41136	61854.84786	27374	
Beta-1,4-gl	B4GAT1	34303.41	25498.03	66474.02094	17789.17	
Alpha-actin	ACTN4	60902.49	65041.46	32566.46704	197555.2	
Alpha-endo	ENSA					
CD5 antige	CD5L	4766853	3363125	8296680.559	5544226	
Glia matura	GMFG	3566.373				
Neuropilin-	NRP2	20999.56	27594.48	21270.46376	28680.5	
Histone H2	H2BC13	99391.21	109017.4	93482.79026	40298.72	
Zymogen g	ZG16					
Low affinity	FCGR3B	22434.84	61764.57	99850.05388	143834.5	
WD repeat-	WDR1	629937.7	800799.5	627543.9287	1278423	
ICOS ligan	ICOSLG	1257948	1315395	939928.3698	1035731	
SH3 domai	SH3BGRL	26220.68	47481.44	24501.44923	57333.67	
Peptidoglyc	PGLYRP1		6797.926		8653.962	
Ficolin-3	FCN3	14788096	15675045	10419376.27	11918328	
Isocitrate d	IDH1	17350.32	22177.8	16052.70579	30026.35	
Attractin	ATRN	12524470	11774743	12961584	10418411	
cGMP-spec	PDE5A	1654756	1359268	816669.8462	455014.2	
Apolipoprot	APOM	254366.9	741335.1	417213.5285	738971	
GDH/6PGL	H6PD	218401.1	245212.3	146745.0475	539350.4	
Pantetheina	VNN1	272941.9	382024	58660.809	38341.59	
Caveolae-a	CAVIN2	71776.78	136508.2	166502.3163	103701.6	
L-lactate de	LDHA	496658.6	506916	438231.5517	589411.9	
Aldehyde d	ALDH1A1	27779.66	50698.89		11159.16	
Glutathione	GSR	69160.34	73338.67	65676.64874	95694.2	
Superoxide	SOD1	422995.1	583545.7	217017.146	77047.39	
Ceruloplasr	CP	4.34E+08	3.2E+08	431860479	2.73E+08	
Coagulation	F13A1	7978544	7629566	4835686.685	7599697	
Purine nucl	PNP	499060.1	477966.2	182459.101	501645.3	
Epidermal g	EGFR	85654.16	50299.45	58003.82563	51431.96	
Phosphogly	PGK1	532341.9	560771.9	357314.4891	640680.3	
Adenylate k	AK1	4087.719	48128.05		15192.28	
Prothrombi	F2	2.46E+08	2.2E+08	225482369.8	1.62E+08	
Compleme	C1R	17095844	19988965	17206528.1	11051982	
Haptoglobir	HP	1283991	7319932	3252929.492	6304312	
Haptoglobir	HPR		98255.5	53718.44304	90553.15	
Coagulation	F9	7104451	7693177	6672985.956	4522480	
Coagulation	F10	11990084	11900740	10235292.99	6224830	
Compleme	CFD	1738484	2107946	1521253.145	1236236	
Plasminoge	PLG	2.1E+08	1.98E+08	207911892.2	1.5E+08	
Coagulation	F12	10610516	9701747	15410628.68	6081496	
Compleme	CFB	2.29E+08	2.28E+08	272800106.1	1.47E+08	
Carbonic ar	CA1	9537067	19144327	2098534.916	7843235	
Carbonic ar	CA2	1528720	2317663	501101.6904	1124522	
Antithrombi	SERPINC1	2.19E+08	1.77E+08	208067831	1.59E+08	
Alpha-1-ant	SERPINA1	29922208	38226452	47947162.63	47184403	
Alpha-1-ant	SERPINA3	2.34E+08	1.77E+08	238906341	1.41E+08	

Angiotensir	AGT	37482073	29465388	29536783.64	25304422	
Alpha-2-ma	A2M	6702099	4619548	10976521.74	33250846	
Compleme	C3	1.26E+09	9.68E+08	1279042098	7.21E+08	
Compleme	C5	75329647	70697844	73530696.9	47343311	
Cystatin-C	CST3	985707.4	1569139	777946.5528	920317.5	
Kininogen-1	KNG1	1.46E+08	1.62E+08	149909608.9	1.07E+08	
Insulin-like	IGF2	588281.3	558643.5	862741.2764	456642.3	
Immunoglo	JCHAIN	2131926	2086171	3053179.288	2387934	
Immunoglo	IGKC	4655612	4165700	4594396.952	4065789	
Immunoglo	IGHG1	860650.9	1003798	625508.4298	727621	
Immunoglo	IGHG2	48278.5	36982.92	23893.59411	44810.14	
Immunoglo	IGHG3	2716899	2179517	8177042.395	4032625	
Immunoglo	IGHG4	560614.6	436902.7	200172.6342	257195.1	
Immunoglo	IGHM	2274384	1269130	6456223.671	3267576	
Immunoglo	IGHA1	916031.2	642529.3	2447799.644	1463962	
Immunoglo	IGHA2	16545	52033.32	332608.5231	70711.92	
Hemoglobir	HBD	1661999	87992.42	31953.16419		
Myoglobin	MB					
Apolipoprot	APOA1	9869020	8969656	12198501.04	8117515	
Apolipoprot	APOE	36201140	35983531	35637098.06	21333643	
Apolipoprot	APOA2	6417538	11733852	6694053.626	6810327	
Apolipoprot	APOC1	1018896	1007252	1124482.468	697863.8	
Apolipoprot	APOC2	1503336	2906106	2407498.651	1090365	
Apolipoprot	APOC3	3521864	6454714	2004151.982	929111.8	
Fibrinogen	FGA	3.24E+08	3.92E+08	383082115.7	2.21E+08	
Fibrinogen	FGB	3.37E+08	3.85E+08	421304422	2.34E+08	
Fibrinogen	FGG	2.58E+08	3.26E+08	303788998.5	1.93E+08	
C-reactive p	CRP	168631	84964.21	596632.4676		
Serum amy	APCS	39058711	32219361	38276137.89	15267873	
Compleme	C1QA	1715202	1261602	33879.0094	312035	
Compleme	C1QB	5766125	2653259	3681588.778	621427	
Compleme	C1QC	4362519	2045361	2759117.436	542522.4	
Compleme	C9	40830511	40894247	39692682.77	30546952	
Beta-2-glyc	APOH	1.26E+08	1.18E+08	111718222.6	67138856	
Leucine-ric	LRG1	14170110	8286660	13744402.67	8957125	
Fibronectin	FN1	4.55E+08	5.5E+08	309979205.7	2.28E+08	
Retinol-bind	RBP4	30223930	43452806	24385148.15	16767365	
Protein AM	AMBP	84405194	72116159	63800141.09	36990190	
Alpha-1-aci	ORM1	900746.7	683789.8	1375346.083	432665.9	
Alpha-2-HS	AHSG	1.43E+08	1.41E+08	122839958.1	91270578	
Transthyret	TTR	2892228	3007632	1919770.988	1772719	
Vitamin D-b	GC	4.3E+08	3.45E+08	385403148	2.64E+08	
Platelet bas	PPBP	3236897	3055880	5569188.581	6061080	
Platelet fac	PF4	214640.9	540511.2	212092.7803	217308.1	
Transferrin	TFRC	46229.39	28501.63	102192.9066	57504.86	
Serotransfe	TF	65328477	61256454	144590440.6	1.67E+08	
Lactotransf	LTF	302618.9	233769.2	179074.7171	454642.5	
Hemopexin	HPX	5.16E+08	3.36E+08	414954376	2.42E+08	
Angiogenin	ANG	72589.55	77195.21	70770.31614	251600.8	
Coagulation	F11	3540783	2678680	2710868.851	2477667	
Plasma kal	KLKB1	20459489	16255189	12171619	16337715	
C4b-binding	C4BPA	1.29E+08	1.06E+08	134306412	62995024	
Vitronectin	VTN	1.57E+08	1.37E+08	132675647	92377354	
Catalase	CAT	2839664	3797776	670888.62	1465101	
Tissue alph	FUCA1	18824.43	13329.87	18343.67726	20483.67	
Vitamin K-d	PROC	2535374	3302233	1798724.128	1603439	
Fructose-bi	ALDOA	1241614	1493666	1189427.831	2209425	
Cystatin-B	CSTB					

Apolipoprot	APOB	7E+08	5.99E+08	636269733.9	4.23E+08	
Phosphatid	LCAT	1727437	1990006	1134054.003	1153227	
Histidine-ric	HRG	59265655	1.24E+08	124470482.7	52504941	
Alpha-1B-g	A1BG	1.41E+08	1.26E+08	127897833.4	83881684	
Keratin, typ	KRT6B	2349941	808764.9	944650.7381	490795.9	
von Willebr	VWF	10527842	13234105	2497481.909	9461384	
Sex hormo	SHBG	1131642	904383.8	1149183.52	1123117	
Glyceraldeh	GAPDH	139762.3	197257.9	231596.5643	140339.3	
HLA class I	HLA-A	16033.15	136842	368508.2314	71154.4	
Calpain sm	CAPNS1					
Heat shock	HSPB1	63638.91	17392.46	32479.58111		
Guanine nu	GNAI1					
Histone H2	H2AC14	1325.474	23691.51	1198.252956		
Insulin-like	IGF1	402666.5	496563.3	540286.478	501282.8	
Fructose-bi	ALDOB	109508.3	444276.4	247378.3899	129017.1	
Amyloid-be	APP	12782.89			8242.684	
Apolipoprot	APOD	4698015	5040770	4620299.878	3102624	
Protein S10	S100A8	547173.9	440643.7	520924.5982	512881.6	
Plasminoge	SERPINE1	36959.08				
Plasma ser	SERPINA5	569495	652995.2	1049150.818	1271232	
Plasma pro	SERPING1	1.35E+08	99890711	107097762.5	73098197	
Compleme	CFI	47058098	47251042	55194399.54	30740581	
Coagulation	F13B	14552058	15143725	9785706.203	10452852	
Intercellular	ICAM1	243649.8	420054.1	382475.652	342731.4	
Lithostathin	REG1A		54545.3	3105.334966	40406.27	
Tetranectin	CLEC3B	10816141	9909304	12031007.13	8181715	
Thyroxine-b	SERPINA7	21251015	15948494	15594752.64	12726536	
Heparin co	SERPIND1	48605391	56106125	50311887.41	39901661	
Integrin bet	ITGB1	6425.679	24564.82	7965.363289		
Keratin, typ	KRT18					
Uroporphyr	UROD				1169.396	
Cholinester	BCHE	5646338	6172913	6136321.105	4017778	
ATP syntha	ATP5F1B	58604.32	21456.34	11653.33118	8623.917	
Compleme	C2	28687471	22981165	25294180.26	18218560	
Protein S10	S100A9	518698.1	507947.1	544623.5596	706123.9	
Apolipoprot	APOA4	1.3E+08	1.43E+08	88214133.23	78788506	
Creatine kir	CKM	36044.41	112642.7	29187.4567	28354.15	
Alpha-enola	ENO1	205174	253253.6	168050.697	339227.3	
Glucose-6-	GPI	71954.46	64599.63	53544.50363	108218.5	
Tropomyos	TPM3	163377.7	182808.6	218125.1581	264664.2	
L-lactate de	LDHB	1823565	2560900	1919255.863	2611125	
Vitamin K-d	PROS1	26214909	30768847	22684255.19	16805951	
Protein disu	P4HB	232577.9	181147.2	116324.8726	234971.7	
Macrophag	CSF1R	374945.3	457778.8	428328.3839	397321.5	
Cathepsin I	CTSD	20363.13	36295.63	25077.66143	24069.46	
Compleme	C8A	47026048	40918738	39167295.76	25433436	
Compleme	C8B	28833353	30436562	28607798.41	19155766	
Platelet gly	GP1BA	1165200	1213603	1215881.409	767040	
Compleme	C8G	20152986	22510773	18465737.72	13645115	
Calpain-1 c	CAPN1	11888.27	16510.3		13225.9	
Carbonic an	CA3	10162.03	14384.26	9096.150557		
Profilin-1	PFN1	2441743	2362664	1890718.364	3009935	
Bisphospho	BPGM	116376.2	189055.9	14485.93333	47978.56	
Adenine ph	APRT					
Heat shock	HSP90AA1	247252.6	374331.7	246834.5099	463862.3	
Uromodulin	UMOD	19280.7	13630.62	19123.79886	16798.57	
Laminin su	LAMB1	143909	138931.6	110422.8923	145604.2	
Tropomyos	TPM2	42970.71	220925.2			

Ribonuclea	RNASE1	113194.6	129443.8	195997.8249	238602.7	
Collagen al	COL1A2	770469.1				
Corticoster	SERPINA6	12777122	10833340	13477593.27	10080829	
4F2 cell-su	SLC3A2	118347.1	139157.9	111437.2528	95703.17	
Heat shock	HSP90AB1		3873.75	6618.329908	4871.765	
72 kDa type	MMP2	133377.5	178266.9	125332.6435	122457.7	
Extracellula	SOD3	197323.5	119335.7	117165.1327	183833.1	
Porphobilin	HMBS		4013.774			
Apolipoprot	LPA	88358.35	876543.1	1163078.312	172136.8	
Pleckstrin	PLEK	208352.3	461032.7	314261.022	527624.3	
Monocyte d	CD14	1799914	1966707	1224836.763	1550393	
Hepatocyte	MET		14466.12		4813.396	
Compleme	CFH	4.03E+08	3.92E+08	374131304.5	2.55E+08	
Low affinity	FCGR3A	799233.5	755377.4	737746.1422	646114.7	
Vimentin	VIM	41261.52	13735.84			
Alpha-2-an	SERPINF2	69397839	55868585	58748201.89	42103605	
Coagulation	F7	494292.5	577039.9	405061.8032	326166.1	
Annexin A5	ANXA5	22314.91	29321.41	30816.56987	37641.7	
Interleukin-	IL6R	660.3259			1807.441	
Dopamine	DBH	3673729		5768235.535	1375821	
Glutathione	GSTP1	27884.01	51527.8	78455.13258	177936.7	
SPARC	SPARC	464094.2	415533.6	386553.0933	507020.6	
Platelet-der	PDGFRB		16666.7	28602.89871	16552.66	
Heterogene	HNRNPA1	2062.183	9906.047	6458.137928		
Pro-cathep	CTSH	17788.12		12746.0271	21946.94	
Compleme	C1S	45072728	36925774	46135153.29	28138041	
Leukotriene	LTA4H	36405.01	38067.99	34882.90485	52201.2	
Fructose-bi	ALDOC	30437.25	31273.18		17120.93	
Compleme	C4A	7.78E+08	4.44E+08	552559102.6	2.93E+08	
Compleme	C4B	18783532	10166245	16007495.09	5993596	
Ubiquitin-6	UBA52	260204.2	274098.4	123221.492	166585.2	
Serum amy	SAA2					
Heat shock	HSPA1B	23609.63	44231.02		113495	
Immunoglo		527606	482512			
Immunoglo		121010.3	48013.49	116335.1197	4739.736	
Immunoglo	IGLC3	1619260	1064083	3369573.188	1846335	
Calmodulin	CALM3	331127.4	320057.7	358639.2183	393866.3	
Receptor-ty	PTPRF	24899.48	25252.71		12098.39	
Thioredoxir	TXN	333856.2	307893.1	179351.6166	250044.2	
Lysosomal	CTSA		10484.08			
Compleme	C7	36440815	37439783	41120724.92	35365888	
Mast/stem	KIT	128461.3	69948.93	127833.3193	89074.97	
S-formylglu	ESD	23230.41	36447.41		19027.67	
60 kDa hea	HSPD1		11355.3		28516.42	
Clusterin	CLU	56139849	50600754	41767417.15	23788284	
Endoplasm	HSPA5	1604542	1638951	1348165.475	1715172	
Heat shock	HSPA8	613402.9	712232.9	535877.523	1118639	
Glycogen p	PYGB	2815.404	2394.738		4676.287	
Mannose-b	MBL2	4981367	3972708	2586852.909	5519377	
Lysosome-	LAMP1		29253.09	9551.561891	30471.22	
Fibroblast g	FGFR1	29675.56	53118.37	17763.73285	48597.58	
Cholesteryl	CETP	78240.44	42604.72	42926.17945	20176.36	
Cation-inde	IGF2R	7761.755	25457.5	20262.43652	55753.99	
Collagen al	COL6A1	367356	292118	206912.1752	223951.2	
Collagen al	COL6A2		13287.37		4673.801	
Collagen al	COL6A3	312452.6	549066.6	324527.9834	344629.7	
Coagulation	F5	6003492	5547253	3969616.798	4348375	
Low affinity	FCGR2A	146081.1	205602.3	175782.7527	90912.12	

Alpha-actin	ACTN1	4536236	4679788	3792792.338	5892185	
Angiotensin	ACE	25390.03	26043.12	71477.71326	28989.59	
Cadherin-1	CDH1	39361.82	109856.5	77973.89159	116674.3	
Xaa-Pro dip	PEPD	732809.9	766799.5	980908.5027	662512.8	
Lysosome-	LAMP2	1037756	680267.6	860694.2405	689858.5	
Ribonuclea	RNH1	39817.29	84566.8	20004.06193	61228.54	
Neural cell	NCAM1	1007064	1407953	933415.8976	1095107	
Intercellular	ICAM2	473002.7	299247.6	415672.6968	422528.4	
Protein disu	PDIA4		41941.46		32419.49	
Compleme	C6	48993843	36226031	44227923.3	33928432	
Delta-amin	ALAD	27879.47	46242.98	24715.9933	24815.62	
Bone marro	PRG2	103834.3	46513.78	21619.77149	36233.42	
Plastin-2	LCP1	1609408	1472480	1598696.957	1289999	
Acylamino-	APEH	8128.468	9521.859		6853.458	
L-selectin	SELL	4130817	3901544	3658276.045	3202944	
Glucosidas	PRKCSH	35986.4	173456.1	139948.5512	157004.3	
Nidogen-1	NID1	167184.4	266658.9	29521.646	91109.54	
Pyruvate ki	PKM	910499.7	1441361	705745.1386	1357328	
Endoplasm	HSP90B1	522120.4	425886.7	229062.2213	483066.6	
Matrix meta	MMP9	18775.87	21400.93		19239.63	
Junction pla	JUP	16316.11				
Aminopepti	ANPEP	768232.5	834144	700357.0664	659222.9	
Poliovirus r	PVR	49650.45	178461	175505.8639	144898.2	
Carboxype	CPN1	6166977	10342825	10519637.63	7532865	
Desmoplak	DSP	634718.3	170749.1	413690.1761	169450.5	
CD44 antig	CD44	873015.8	824370.5	580771.8717	699265.5	
Aggrecan c	ACAN	24495.12			13966.77	
Platelet end	PECAM1					
Fumarylace	FAH	63787.73	59771.68	50605.09529	43895.36	
Aspartate a	GOT1	76968.09	116925.1	46403.73989	60504.5	
Endoglin	ENG	56750.73	75802.95	163969.5945	44187.96	
Galectin-3	LGALS3	16135.73		10179.0698	17212.9	
Insulin-like	IGFBP3	7118933	7887117	9812783.655	6922413	
Insulin-like	IGFBP2	444726.8	3336902	526176.0135	1304554	
Vinculin	VCL	12930197	12927779	11253564.43	18939919	
Lipopolysac	LBP	917930.1	1596231	391678.2566	341853.1	
Phosphogly	PGAM1	146381.5	154005.7	77701.5322	153333.2	
Peptidyl-gly	PAM	38677.59	68495.25	13674.60415	21409	
Vascular ce	VCAM1	441018.2	765504.9	398395.5999	470373.6	
Alpha-1-aci	ORM2	568873.2	522686.3	844472.5858	250924.8	
Inter-alpha-	ITIH2	2.78E+08	2.13E+08	241786812.1	1.12E+08	
Inter-alpha-	ITIH1	2.37E+08	1.81E+08	184170353.6	1.04E+08	
Compleme	CR2	60401.36	58413.65	26652.15684	75490.71	
Proteasom	PSMB1	1964235	4777083	1257159.43	2073059	
Pregnancy	PZP	10794679	1498252	10932072.1	908356.1	
Mimecan	OGN	47593.83	43309.76	38275.28852	32717.39	
Calpastatin	CAST	4547.347				
C4b-binding	C4BPB	9300867	7023707	8081065.681	3957605	
N(4)-(beta-	AGA		43213.47	39379.6278	22770.9	
Filamin-A	FLNA	4300950	4667256	4895135.496	2178526	
Bone sialop	IBSP	417488.1	8582.672	2385751.083	1139797	
Protein-L-is	PCMT1		13677.38		10856.6	
Tenascin-X	TNXB	1559091	1635563	1342194.118	1503373	
Ubiquitin-lik	UBA1	19752.91	32130.78		73424.88	
Glutathione	GPX3	4234711	4952132	4798738.306	3577884	
Nucleoside	NME2	113254.5	176379.2	66270.3259	124614.6	
Insulin-like	IGFBP4	156692.4	102104.5	130754.3099	114301.1	
Carboxype	CPN2	10809351	14527307	12708247.14	9255400	

Vitamin K-d	PROZ	1744305	1357303	3261489.281	1184032	
Macrophag	MRC1	54864.67	48438.52	67380.93905	44206.93	
Fibulin-1	FBLN1	13621717	16998257	12111651.79	10453713	
Peptidyl-pro	PPIB	7004.796		22017.09671	75050.25	
Tryptophan	WARS1		3113.186	2868.665478	3507.155	
Receptor-ty	PTPRG	82039.35	104449.7	71665.05803	97452.18	
Receptor-ty	PTPRZ1	29277.2	35017.44	12593.99754	16278.48	
Adenosylho	AHCY		20638.06	4020.166254	12710.18	
Cofilin-1	CFL1	554034.6	790419.1	546432.4095	1034853	
Elongation	EEF1B2				6188.542	
Insulin-like	IGFBP6	729456.9	915948.4	1154844.322	909939.3	
Insulin-like	IGFBP5	193289.4	188365.3	192684.7687	220718.9	
Tenascin	TNC	143262.1	155245.2	109285.6004	237098.7	
Zinc-alpha-	AZGP1	68173524	76251403	61009081.26	39883789	
Cathepsin S	CTSS		40711.38	43503.00895	32496.46	
Proteasom	PSMA3		5539.539		23407.55	
Moesin	MSN	883213.3	864295.6	853565.6912	1319722	
Protein S10	S100A4	142257.1	163319.6	89391.01139	31230.37	
Hepatocyte	MST1	6679064	7174345	5238747.468	2796961	
Serum para	PON1	16519473	22451978	18855847.45	9145065	
14-3-3 prot	YWHAQ	70466.71	59897.1	8456.140954	200131.1	
Dipeptidyl p	DPP4	499786.4	477966.2	557563.2556	475495.4	
Calreticulin	CALR	179606.2	286579.4	202747.3547	372588.2	
Properdin	CFP	1115966	1108481	1986018.238	359360.6	
Proteasom	PSMA5		24288.62		23906.95	
Proteasom	PSMB5	11122.38	14354.49		26025.23	
Receptor-ty	PTPRM	38114.14	17881.01	38868.35209		
Transketola	TKT	108665.3	87913.99	46349.52691	156602.4	
Kallistatin	SERPINA4	14384182	11129413	9536125.083	9676807	
Peroxiredo	PRDX6	195352.7	266388.6	54717.08073	133158.8	
Flavin redu	BLVRB	636186.6	1130068	52684.03126	336796.4	
Phosphatid	PEBP1	46679.97	132372.6	48523.25497	88810.19	
Protein disu	PDIA3	2372113	2257232	1912765.312	3461232	
Serine/thre	PPP2R1A	3274.009	1436.899	1362.716765		
Tyrosine-pr	AXL	23483.97	22008.35	13777.67364	17963.03	
Leukocyte (	SERPINB1	176468	41664.41	139190.0068	269207.1	
Coronin-1A	CORO1A	112217.6	167050.3	170460.4831	337603.7	
Rab GDP d	GDI1	131611.6	168053.1	135776.6561	262948.3	
Caspase-14	CASP14	25691.43	33069.69	58078.52863	50049.22	
14-3-3 prot	YWHAB	64494.1	76080.96	54526.76385	158102.9	
Peroxiredo	PRDX2	1576890	2174920	220638.7442	695174.9	
Cadherin-5	CDH5	1757968	1376623	1028673.083	1528154	
Mannosyl-o	MAN1A1	396683.5	429703.1	368744.4367	339103.1	
Ribonuclea	RNASE4	26297.76	29065.21		44057.92	
Heat shock	HSPA4		1851.902		2722.031	
Thrombosp	THBS4	117263.6	103524.9	235813.747	93155.38	
Serum amy	SAA4	666535.9	639301.7	957120.4778	1223252	
Insulin-like	IGFALS	20402092	16761252	20908052.83	16026350	
Vascular en	FLT4	98998.91	36278.53	126162.7753	33005.31	
Pigment ep	SERPINF1	30206758	29207624	22428572.68	19969286	
Compleme	CFHR2	3225533	1692933	1564402.441	1902535	
Transgelin-	TAGLN2	1050702	1436120	1202705.946	1440223	
Transaldola	TALDO1	91079.56	99256.36	56563.01533	111667.7	
Alpha-synu	SNCA		48020.99		699.7992	
Collagen al	COL18A1	55461.28	51965.85	53745.04563	52932.48	
Interleukin-	IL6ST	61578.74	108587.2	111365.5298	75317.22	
Platelet gly	GP5	68603.5	91380.12	83621.14513	121580.5	
Malate deh	MDH1	256843.5	310576.9	118005.4044	226622.2	

Malate deh	MDH2				4523.76	
Prostaglan	PTGDS	336177	389652.1	392766.9854	211928.2	
Lysosomal	PRCP	6485.596	8088.503		7099.958	
Cell surface	MCAM	724304.2	630021.5	561869.7648	591848.7	
Biotinidase	BTD	6237711	6905148	5583022.319	5246751	
Afamin	AFM	1.11E+08	1.03E+08	102280433.6	81894474	
Crk-like pro	CRKL			4222.875396		
Neurogenic	NOTCH1	8111.241		9533.001977	9608.081	
Glutathione	GSS	19602.65	15704.99		17020.77	
Mannan-bir	MASP1	5631653	4957960	3689428.523	3564847	
Alpha-mani	MAN2A2	20019.57	19531.35		15708.12	
Proteasom	PSMB3	7899.627	9286.533	4337.62671	6511.662	
Cartilage ol	COMP	1904053	2368686	2783448.537	1655595	
Selenoprot	SELENOP	3969635	4067605	3515208.216	2121433	
Rab GDP d	GDI2	48938.17	66873.34	28669.32461	91800.51	
Vasodilator	VASP	33195.19	60318.37	32378.38512	30710.4	
Lumican	LUM	18404136	22047093	18989336.86	14395731	
6-phosphog	PGD	63123.8	186563.3	150210.1632	269962.7	
Rho GDP-d	ARHGDIA	42231.11	61899.66		69368.15	
Rho GDP-d	ARHGDIB	123097.5	130089.8	106160.7272	196066.6	
F-actin-cap	CAPZA1		4786.549	6617.10704	24871.89	
Cysteine-ri	CRISP3	1187069	1347262	946656.9868	1362412	
Voltage-de	CACNA2D1	117033.1	234006.9	161190.8651	255754.3	
Alpha-N-ac	NAGLU	23302.85	74817.61	22437.92923	46947	
Apolipoprot	APOC4	705332.2	490736.3	560595.2781	610809.9	
Phospholip	PLTP	292881.9	335288.8	256983.892	226755.7	
Transitiona	VCP	179420.9	204619.9	40585.26625	281952	
Inhibin beta	INHBC	237596.2	203313.6	81181.92995	97873.7	
Nucleosom	NAP1L1	62353.51	75108.48	60695.29532	151314.1	
Cadherin-6	CDH6	16909.25	13740.09	12230.77352	13974.06	
Cadherin-1	CDH13	399873.6	180586.2	203639.8025	199649.8	
Small ubiqu	SUMO4		27276.48		29170.87	
Myotrophin	MTPN	106157.4	115892.1	70524.62422	140321.5	
Neutrophil d	DEFA3			10910.69529	12113.91	
Actin-relate	ARPC4	27455.31	31045.72	20705.67092	47346.83	
Triosephos	TPI1	628751.5	754170	425575.299	721601.7	
Actin, cytop	ACTB	985365.1	760925.1	930061.9571	1051720	
Eukaryotic	EIF4A1	24418.1	22959.1	19435.25211	24674.94	
Actin-relate	ACTR3	102273.6	108770.1	102605.7594	228527.3	
Actin-relate	ACTR2	46294.4	54068.56	37930.70625	117721.9	
Lysozyme C	LYZ	49527.17		140040.8071	78746.67	
Beta-2-mic	B2M	2025510	2755719	1461321.773	1726630	
NPC intrac	NPC2	4657.613		2880.264076		
Nuclear tra	NUTF2	20567.71			19098.63	
14-3-3 prot	YWHAG	91135.88	113406.6	72480.99131	188675.6	
14-3-3 prot	YWHAE	201602	298133.2	135571.6553	292018.2	
Thymosin b	TMSB4X	23313.04	100614.2	38803.93227		
Peptidyl-pro	PPIA	627412.6	767463.1	419165.2645	843916	
Peptidyl-pro	FKBP1A	143920.6	675.5888	3466.306807	94510.09	
14-3-3 prot	YWHAZ	3246467	3302891	3218381.39	5638158	
Eukaryotic	EIF5A	17606.44	98539.31	47801.04455	44201.51	
Actin, cytop	ACTG1	21229024	16955063	16290944.17	24704560	
Tropomyos	TPM4	2297382	2360802	2128005.516	3282449	
Actin, alpha	ACTA1	4241791	3496341	3541613.56	5023571	
Ubiquitin-co	UBE2L3	18127.84	13189.61	9164.469706	27650.58	
Elongation	EEF1A1	149536.4	50514.69		16232.02	
Tubulin alp	TUBA1B	418633.8	240479.1	293585.3457	260387.5	
Tubulin alp	TUBA4A	8527.937		10953.53709	10796.26	

Tubulin bet	TUBB4B	280948.6	119841.5	99818.29752	78486.09	
Hemoglobi	HBB	45396779	6780763	976587.0653	1864517	
Hemoglobi	HBA1	38192823	4243923	465857.8862	1206846	
Glutathione	GSTO1	240849.4	453722.4	242083.3546	466702.2	
Phosphatid	GPLD1	6366549	8033114	3631972.198	4124212	
Neutrophil	LCN2	44621.38	364961.3	11502.34817	105781	
Brain acid s	BASP1	157363.1	656875.3	162185.4551	635766	
Dermcidin	DCD	160890.6	22968.7	72638.65174	55427.73	
Basement	HSPG2	536210.7	837714	479410.2369	521075.3	
Cytochrom	CYCS	87812.61	100576.6	70527.69536	404284.5	
Di-N-acetyl	CTBS	537770	813563.9	551345.1396	402654.6	
Adenylyl cy	CAP1	244614.4	236211	187269.2361	256465.8	
Desmoglein	DSG1	58738.13	22204.45	14095.05532	8883.119	
Nucleobind	NUCB1	12897.58	7036.751	7155.71955		
Compleme	CFHR3	112209.5	242121.6	305729.6679	7281.802	
Compleme	CFHR1	9187088	10550900	7901618.901	7238104	
Neurogenic	NOTCH2	34539.88	41208.74	19349.47386	15205.04	
Hepatocyte	HGFAC	5966513	4752676	7072673.448	3808311	
14-3-3 prot	YWHAH	32892.91	95095.28		165076.5	
Caldesmon	CALD1	40804.73	65521.93	96408.18932	7997.152	
Inter-alpha-	ITIH3	15475762	12388218	21012588.39	11282604	
Peroxiredo	PRDX1	25979.27	53500.79	9991.411107	43142.1	
Dermatopo	DPT		10210.74			
Prolow-den	LRP1	66758.04	127818	69120.11729	98259.32	
Galectin-3-	LGALS3BP	343012.2	429182.6	579373.9587	309309.3	
Desmocolli	DSC1	51187.27	43476.67	28173.69244	36847.62	
ADP-ribosy	BST1	1063189	828800.1	343626.1818	810649.9	
EGF-contai	EFEMP1	1328634	2162772	1158240.83	1095371	
Follistatin-r	FSTL1	21952.9	27393.86	9677.200053	19230.53	
Contactin-1	CNTN1	345392.1	139707.2	330544.7149	331801	
Prolyl endo	FAP	51170.14	58682.67	65327.61234	20115.44	
Interleukin	ILF3					
Receptor-ty	PTPRJ	471750	381222.2	514399.0092	417746.7	
Protein fligh	FLII	306323.6	222361.7	288370.6652	205175	
Platelet-act	PLA2G7	104863.4	132340.3	94604.37754	69630.81	
Secreted pl	SPP2	195654.1	84570.02	55788.40425	29908.55	
Multimerin-	MMRN1	106437.2	81588.71	16813.23441	55974.79	
Methanethi	SELENBP1	222046	371959.2	146581.0222	139168.1	
Limbic syst	LSAMP	5777.493	10565.58	14242.01487	25562.5	
CD166 anti	ALCAM	149975.5	166845.4	191156.4918	127952.4	
Apolipoprot	APOF	554269.1	306735.3	508942.3003	509027.3	
Ectonucleo	ENPP2	752684.3	610529.1	446717.3895	493952.8	
Bleomycin	BLMH	59316.89	35198.04	56530.27046	36848.52	
Tubulin bet	TUBB2B					
Coactosin-l	COTL1	74896.59	52343.94	76057.1761	137880.6	
Dystroglyca	DAG1	40417.47	47977.1	22784.20817	25247.62	
Desmoglein	DSG2	118427.8	152636.9	77653.40874	101980.4	
Septin-6	SEPTIN6			10019.86544	29089.3	
ARF GTPa	GIT2	51119.89	103926	46516.2578	32539.92	
Src substra	CTTN	14672.16	27492.03	7803.788289	92868.27	
SPARC-like	SPARCL1	579691.1	542921.4	414029.155	401104.3	
Hyaluronan	HABP2	15540286	13160008	8757493.768	8613053	
Inter-alpha-	ITIH4	1.95E+08	1.38E+08	172166654.1	1.23E+08	
Neutral alp	GANAB					
Latent-trans	LTBP1	10022.42	19755	42744.13352		
Protein disu	PDIA6	30842.6	10675.95	32142.26351	60472.98	
Procollagen	PCOLCE	221279.8	357639.3	276905.1708	279410.6	
Serum para	PON3	20105.46	24348.34	21238.80191	24074	

Ras suppre	RSU1	32486.14	46284.72	13695.01383	254366.9	
Transformi	TGFBI	1080014	1482199	830586.4207	1020092	
Dixin	DIXDC1	1876110	4810506	1771323.321	748328.3	
Adiponectir	ADIPOQ	1388816	2010900	740059.9446	1987289	
Zyxin	ZYX	68392.69	156926.7	96730.85419	151671.5	
Insulin-like	IGFBP7	59024.07	171137.4	61175.28149	61084.46	
Extracellula	ECM1	14172542	16692590	13438296.62	8019826	
C-C motif c	CCL14	9365.365	11926.55	32057.42409	51701.61	
Alpha-mani	MAN2A1	14075.47	21370.02	24497.36271	13723.19	
UTP--gluco	UGP2	10604.44	21882.59	14338.96895	28875.39	
Membrane	AOC3	185270.5	133923.4	154516.1425	160746.2	
Coiled-coil	CCDC96					
Galectin-re	LGALSL	97424.11	100819.6	52035.36961	138587	
Protein mo	PARP14	758.5193	692.1552	373170.7735	3527.374	
Beta-actin-l	ACTBL2					
Probable ri	ZC3H12B		7134.793		8068.096	
WD repeat-	WDR44	4923.726			13439.44	
Keratinocyt	KPRP		15222.13		11135.4	
Rootletin	CROCC		1253.074		110727.1	
Schlafen fa	SLFN13		683431.1	687041.4685	569049.3	
Protein CC	CC2D2B	2975635	562400.7	258379.6214	258920.2	
Vasorin	VASN	1169126	1252110	979015.2971	824207.7	
Twinfilin-2	TWF2	31076.52	12663.69	21783.19406	87058.84	
Suprabasin	SBSN	58375.59	48160.16	56364.5001	35907.74	
Plexin dom	PLXDC2	337926.5	354119.4	326971.6132	202537.3	
Peptidase i	PI16	976252.7	1516819	929712.1609	1281580	
Nicotinate p	NAPRT	9077.351			13437.61	
CD109 anti	CD109	271906.4	270897.5	284931.9495	436074.1	
Histone H3	H3C15					
A disintegri	ADAMTS13	560708.5	504528.5	453898.7469	325030.1	
Neuronal g	NEGR1		146548.4	110904.4552	124399.8	
Target of N	ABI3BP	418002.5	423067.9	414666.026	451890.4	
Multiple epi	MEGF8	57767.2	39823.72	128714.7276	10005.19	
Adhesion G	ADGRG6	63817.49	95736.95	54746.75391	31233.99	
Armadillo-li	ARMH4	40448.22	38030.57	34124.3554	41905.39	
Serpin A11	SERPINA1	145260.7	44955.48	108261.0326	194658.1	
Out at first	OAF	41977.01	114902.2	8432.079921	46656.35	
Reticulon-4	RTN4RL2	63425.99	88346.95	40406.30787	49749.72	
Fermitin far	FERMT3	611101.5	699402.2	567635.8587	1225446	
Scavenger	CD163	526129	612310.9	821318.9396	328162.8	
Trem-like tr	TREML1		87763.59		152180.7	
Cyclin-depe	CDKL3	10618.35	60234.76	79292.71023	36796.06	
WD repeat-	WDR75	881138.4	656657.9	860889.6857	455120.3	
Extracellula	FAM20C	11896.14		69081.21773	29569.64	
EF-hand ca	EFCAB13		15903.9		18874.83	
Adhesion G	ADGRF5	183150.5	135689.6	74758.94077	144093.7	
Leukocyte i	LILRA2					
Golgi mem	GOLM1		61580.16	47949.37218	28633.36	
Proprotein	PCSK9	445229.8	171374.6	166481.8081	271776.1	
Thioredoxir	TXNDC5	4569.354			3400.045	
Titin	TTN		6786.705			
Roundabou	ROBO4	217727.9	44402.23	18971.64984	116754.9	
Compleme	CFHR4	3394726	1238038	1376787.508	1591536	
Proteasom	PSMF1	2908.168	10054.25		1564.65	
Ryanodine	RYR2	141517.9				
Gamma-glu	GGH	2974082	1105974	806857.5468	869568.5	
Neogenin	NEO1	101372.6	115063.6	68358.51255	88657.59	
Proteoglyca	PRG4	1009969	1765836	1409220.333	759252.8	

Coiled-coil	CCDC126	129119	103347.5	59716.92406	36664.91	
Ubiquitin th	OTUB1	29421.33	42171.45		46645.52	
Protein ABI	ABHD14B	6494.523			9414.965	
Carboxype	CPB2	6026982	5740391	3709131.179	3634981	
Beta-Ala-H	CNDP1	11057102	8158723	6887902.789	4486137	
Proline-rich	PRAP1	49738.36	75135.31	45914.80457	24330	
N-acetylmu	PGLYRP2	23149314	24289455	19551253.81	17760085	
Hedgehog-	HHIP	133435.2	79477.68	86137.3054	57210.23	
Fc receptor	FCRL5	9087.992	2032.336	7539.06394	5376.493	
Phosphatid	PEBP4	12779.52	65231.29	33429.2173	45977.53	
Parkinson d	PARK7	54792.68	59421.17		28976	
Prohibitin-2	PHB2	9813.768		5624.085874	10468.01	
Oncostatin-	OSMR	27338.51	26192.47	21476.7787		
Nucleosom	NAP1L4					
Noelin	OLFM1	221036	217393.6	194879.7845	150527.9	
T-complex	CCT7	1221.386	2176.162	1150.618137		
Retinoic ac	RARRES2	71098.21	145557.1	180889.9624	95774.93	
Thioredoxir	TXNDC17		7817.912	2650.344233	6193.319	
Plasma alp	FUCA2	102585.5	41834.49	93755.24654	65297.65	
Protein ME	MENT		2433.249			
Collectin-11	COLEC11	361262.5	510725.4	458984.3901	313766.2	
Compleme	C1QTNF3		13229.98	5364.62518	3739.193	
Compleme	CFHR5	1046154	1547619	886864.0821	878516.7	
Cell adhesi	CADM1	186568.1	108737.8	98941.42007	83219.35	
NIF3-like p	NIF3L1	22482.37	341806.8			
SH3 domai	SH3BGRL3	254320.4	228670	237434.9899	72781.12	
Dipeptidase	DPEP2	24216.52	29816.75	23177.48712	45322.09	
Tubulin bet	TUBB1	69727.55	76018.7	121899.4956	129929.6	
Golgi-asso	GLIPR2	286734.1	3587.465	214688.3043	227049.5	
Putative un	MYH16	485051.6				
Multimerin-	MMRN2	119765.1	151817.9	108373.7342	139123.4	
Cadherin-re	CDHR5	2776.716	36385.41	65786.17116	18967.63	
Beta-parvin	PARVB	241941.6	445707.9	254366.9388	491255.8	
Putative so	SLC38A10	44236.01	54878.5	20983.46771	15247.88	
Adhesion G	ADGRL4	33822.56	19870.03	30699.03095	24833.78	
Interleukin-	IL1RAP	742152.1	667657.8	810416.2788	1060153	
Compleme	CD93	6312.222	22036.06	9245.944123	12495.63	
Cartilage a	CRTAC1	478681.3	275190.6	222311.0791	371063.5	
Gephyrin	GPHN	120214.7	743477.8	713097.3114	1035819	
14 kDa pho	PHPT1	8487.421	8627.508	3778.285079	7237.308	
Cerebellin-4	CBLN4	58231.49	32186.32	38846.87879	45523.42	
N-acetyllac	B3GNT2	23102.51	27600.88	38440.93554	37926.55	
Endoplasm	ERAP1	17052.5	32145.73	14119.54838	20567.31	
Alpha-hem	AHSP	26039.34	26590.41	23669.87002	23198.68	
Adenosine	ADA2	34323.87	45235.87	42402.54574	76500.96	
Compleme	C1RL	3483789	3773950	3169912.125	2413052	
Calmodulin	CALML5	163458.7	80514.9	233453.7483	19897.2	
Costars fan	ABRACL	61989.57	101279.8	64079.91347	130627.4	
Heat shock	HSFX1	412893.7	982662.3	1087227.034	33648.07	
Dickkopf-re	DKK3	194715.2	254366.9	125137.9228	155727.1	
Exostosin-l	EXTL2	41572.53	63104.8	73820.10202	59989.34	
E3 ubiquitin	RNF14	563910.8	2380293	912418.1465	1943081	
Bridging int	BIN2	57357.85	96090.58	61268.41397	373909	
Fetuin-B	FETUB	5381826	4220301	4593984.159	3044838	
Prenylcyste	PCYOX1	625627.4	583371.9	736974.8779	502458.7	
SLAM fami	CD84		17232.82		15665.29	
N-acetylglu	GNPTG	65173.08	71193.55	36469.62238	46451.45	
Drebrin-like	DBNL	9775.655	28434.38	18702.07614	48987.37	

Probable E	MID2	774671.8	872547.6	867750.8962	564439	
Protein Z-d	SERPINA1	2717496	2302883	2967181.956	1931460	
Endomucin	EMCN			7023.632273		
Protein HE	HEG1	1081952	1005803	1002629.423	1252814	
Coronin-1C	CORO1C	12588.4	28009.61	31177.36863	98196.55	
Neurogenic	NOTCH3		1208.32		1023.248	
Endothelial	PROCR	163146.3	143747	150589.49	136020.7	
Multiple ino	MINPP1	460571.1	467356.6	416895.0891	408943.5	
Talin-1	TLN1	5616847	7286647	4878828.218	8175243	
Hypoxia up	HYOU1	111021.8	131812.7	3523.100265	51719.65	
Angiopoieti	ANGPTL3	112710.7	107597.6	36014.65407	73807.88	
Lymphatic v	LYVE1	357294.2	369045.1	518447.9387	644288.6	
Chloride int	CLIC4	9505.43	7766.957	9734.819257	9715.15	
IgGFc-bind	FCGBP	5434284	5054957	7829098.586	5212968	
Collectin-1(	COLEC10	99463.69	180338.1	79537.43357	61886.77	