



Figure S1 Establishment of incomplete ablation model and histopathological evaluation. (A) Excessive anesthesia treatment in nude mice after incomplete ablation; (B) During ablation, the surface skin temperature of nude mice reaches a maximum of 75°C, and the heat radiates in a ring shape; (C) the tumor after incomplete ablation, and the area around the ablation center showed typical white necrotic areas; (D) HE staining of incomplete ablation tissue showed that coexistence of necrotic and degeneration cells (x40); (E) HE staining of the control tissue showed that coexistence of necrotic areas normal tumor cells, but there is no degeneration (x40).

Table S1 Big data information included for the calculation of differentially expressed genes

Datasets	Non-tumor	Tumor	Platform	Country
TCGA-GTEX	276	371	/	USA
E-MTAB-4171	15	15	/	USA
E-MTAB-8887	17	23	/	Germany
GSE22405	24	24	GPL10553	USA
GSE31370	5	15	GPL10558	USA
GSE36376	193	240	GPL10558	USA
GSE36411	42	42	GPL10558	China
GSE39791	72	72	GPL10558	USA
GSE57957	39	39	GPL10558	China
GSE76427	52	115	GPL10558	China
GSE25097	289	268	GPL10687	China
GSE33294	3	3	GPL10999	China
GSE114564	45	63	GPL11154	South Korea
GSE148355	45	0	GPL11154	South Korea
GSE63863	12	12	GPL11154	China
GSE65485	5	50	GPL11154	Singapore
GSE73708	4	8	GPL11154	South Korea
GSE81550	3	3	GPL11154	USA
GSE87592	26	27	GPL11154	Spain
GSE46444	48	88	GPL13369	China
GSE63898	168	228	GPL13667	USA
GSE50579	10	67	GPL14550	Germany
GSE57727	5	57	GPL14951	USA
GSE98617	13	36	GPL14951	China
GSE56545	21	21	GPL15433	Singapore
GSE114783	26	10	GPL15491	China
GSE113996	20	20	GPL16043	China
GSE74656	5	5	GPL16043	China
GSE57555	5	5	GPL16699	Japan
GSE104310	8	12	GPL16791	China
GSE63018	9	8	GPL16791	South Korea

GSE77509	20	20	GPL16791	China
GSE94660	21	21	GPL16791	USA
GSE97214	9	9	GPL16791	China
GSE140845	5	5	GPL16791	India
GSE112221	6	4	GPL16791	USA
GSE128274	4	4	GPL16853	Italy
GSE54238	30	26	GPL16955	USA
GSE67764	6	3	GPL17077	China
GSE76311- GPL17586	59	62	GPL17586	USA
GSE59259	8	8	GPL18451	South Korea
GSE20140	34	35	GPL18461	USA
GSE115018	12	12	GPL20115	China
GSE125469	3	3	GPL20301	China
GSE124535	35	35	GPL20795	South Korea
GSE101728	7	7	GPL21047	China
GSE98269	3	3	GPL21047	China
GSE166163	3	3	GPL23126	China
GSE14520	220	225	GPL3921	USA
GSE46408	6	6	GPL4133	China
GSE12941	10	10	GPL5175	Japan
GSE84005	38	38	GPL5175	China
GSE10143	307	80	GPL5474	USA
GSE101685	8	24	GPL570	China
GSE102079	105	152	GPL570	Japan
GSE107170	189	118	GPL570	Italy
GSE112790	15	183	GPL570	Japan
GSE121248	37	70	GPL570	Singapore
GSE17548	20	17	GPL570	Turkey
GSE19665	10	10	GPL570	Japan
GSE29721	10	10	GPL570	Canada
GSE33006	3	3	GPL570	China
GSE41804	20	20	GPL570	Japan
GSE45436	41	93	GPL570	China

GSE6222	2	10	GPL570	China
GSE62232	10	81	GPL570	France
GSE6764	40	35	GPL570	USA
GSE99807	4	4	GPL570	China
GSE84402	14	14	GPL570	China
GSE14323	60	55	GPL571	USA
GSE14520	21	22	GPL571	USA
GSE17967	47	16	GPL571	USA
GSE9839	3	3	GPL571	Switzerland
GSE45050	10	6	GPL6244	USA
GSE64041	65	60	GPL6244	Switzerland
GSE117361	2	2	GPL6480	China
GSE54236	80	81	GPL6480	Italy
GSE22058	97	100	GPL6793	USA
GSE87630	30	64	GPL6947	USA
GSE89377	67	40	GPL6947	China
GSE25599	10	10	GPL9052	USA
GSE77314	50	50	GPL9052	South Korea
GSE55048	4	4	GPL9115	Spain
GSE60502	18	18	GPL96	China

Table S2 The differentially expressed genes based on big data

Symbol	Heterogeneity	Standardized mean difference(SMD)	P-value
PRTG	0.243	0.0594	0.0373
KCND2	0.391	0.0608	0.0131
TAAR9	0.423	0.063	0.0387
TKTL2	0.479	0.0639	0.0281
SLC28A2	0.383	0.0659	0.0126
OR52K2	0.437	0.0669	0.0488
LPAR3	0.498	0.0716	0.0118
OR1J2	0.416	0.0723	0.0172
OTOP1	0.373	0.0799	0.0286
OOEP	0.342	0.0806	0.0182
H2BFWT	0.358	0.0818	0.019
OR51L1	0.485	0.0821	0.0223
TMEM63C	0.258	0.0847	0.0035
SERPINI2	0.293	0.0858	0.0014
KBTBD12	0.169	0.0859	0.0028
TMEM51-AS1	0.077	0.0861	0.041
FLJ40288	0.477	0.0863	0.0413
EIF1B-AS1	0.265	0.0863	0.0469
PDZRN3-AS1	0.073	0.0866	0.0486
WFDC12	0.291	0.0874	0.0028
OR52E4	0.278	0.0874	0.0153
COX8C	0.493	0.0878	0.0012
OR2AT4	0.412	0.0881	0.0122
LOC541472	0	0.089	0.0305
LZTS1-AS1	0.285	0.0892	0.0414
C5orf66-AS1	0.401	0.0904	0.0443
LINC00973	0.43	0.0908	0.0412
RRS1-AS1	0.399	0.0915	0.0406
LRP1B	0.407	0.0916	0.0002
DIRAS2	0.512	0.0918	0.0359

POTEB	0.497	0.0944	0.0318
SLAMF9	0.292	0.0946	0.0008
OR6C2	0.402	0.0952	0.008
RPS4Y2	0.432	0.0972	0.0047
LINC00408	0	0.0976	0.0296
HOXB9	0.576	0.0983	0.0354
LINC01254	0	0.0987	0.0291
PAK3	0.534	0.1009	0.0353
TAAR6	0.296	0.1012	0.0039
DGCR12	0	0.1014	0.0213
ERAP2	0.46	0.1026	0.0002
MIR125B2	0.417	0.1044	0.0194
LHX8	0.552	0.1047	0.0428
LOC728392	0	0.105	0.0221
OR8B8	0.501	0.1053	0.0423
LINC00561	0	0.1056	0.0195
LOC100507564	0.247	0.1058	0.043
LINC00938	0	0.1059	0.0436
SPAG17	0.352	0.106	0.0002
PHGR1	0.086	0.1066	0.0033
ANKRD34B	0.472	0.1069	0.0012
SYNPR-AS1	0.304	0.1069	0.0149
LOC101929528	0	0.1078	0.0499
LOC101927588	0	0.1083	0.049
LOC100506289	0.077	0.1088	0.0375
EIF3J	0.656	0.1089	0.0462
PCAT4	0.267	0.1097	0.0084
SYCP2L	0.547	0.1099	0.036
SNORD15B	0.449	0.1102	0.0162
SLC25A5-AS1	0.326	0.1113	0.0056
LINC00470	0.391	0.1115	0.005
DAW1	0.145	0.1115	0.0059
LINC00615	0	0.1122	0.0078

CAMKV	0.694	0.1126	0.041
PCDHB5	0.615	0.1126	0.0491
OR9A2	0.405	0.113	0.0014
LIN28A	0.469	0.1131	0.0004
LINC01208	0	0.1134	0.0116
SLC15A5	0.476	0.1137	0.0293
ATP1A4	0.587	0.1141	0.0401
LOC101929550	0.407	0.1145	0.0231
FAM135B	0.653	0.1152	0.0454
LOC101929076	0.127	0.1153	0.0361
USP26	0.58	0.1153	0.0424
TMEM132B	0.305	0.1156	<0.0001
DHX38	0.734	0.1158	0.0498
LOC101927020	0	0.1173	0.033
MUC5B	0.404	0.1178	<0.0001
SFRP2	0.145	0.1179	<0.0001
BRDT	0.28	0.1184	<0.0001
LOC101929586	0	0.119	0.0304
OR6C70	0.348	0.1193	0.0011
SERPINB5	0.598	0.1199	0.0188
CLCNKB	0.712	0.1201	0.037
SMYD1	0.551	0.1202	0.0278
GAGE2C	0.391	0.1207	0.033
KCTD5	0.722	0.1211	0.0359
TOPAZ1	0.177	0.1215	0.0376
SCARNA14	0.218	0.1216	0.0153
SCAND1	0.689	0.122	0.0355
PNLIPRP3	0.561	0.1222	0.0342
CHAC1	0.746	0.1226	0.0413
CACNA2D3	0.681	0.1235	0.0216
LINC00616	0.468	0.1237	0.0039
TEX101	0.611	0.124	0.0374
SLC22A18AS	0.657	0.1243	0.0355

LINC01343	0.345	0.1249	0.005
OR2T5	0.414	0.1253	0.0158
LOC102724612	0	0.1255	0.0225
APEH	0.767	0.126	0.0443
LRCH2	0.337	0.126	<0.0001
GRID1	0.567	0.1262	0.0122
CADM4	0.511	0.1265	0.0058
ALDH16A1	0.617	0.1274	0.0162
MARK1	0.397	0.1279	<0.0001
PTPRG-AS1	0.4	0.1287	0.0031
LOC645188	0.033	0.1288	0.0071
LOC101927884	0	0.1289	0.0191
RENBP	0.771	0.1289	0.0485
APOL5	0.511	0.1291	0.0028
MAGEB10	0.521	0.1292	0.0163
KIF5C	0.664	0.13	0.0127
KIF3C	0.809	0.13	0.0497
FHL5	0.569	0.1304	0.0049
TUBB7P	0.441	0.1305	0.0015
LINC00951	0.496	0.1305	0.0017
LOC101929297	0	0.1308	0.0174
LRRC2-AS1	0.421	0.131	0.0028
LOC101928135	0	0.131	0.0173
TP63	0.614	0.1312	0.0221
YPEL3	0.578	0.1314	0.0182
ASB15	0.311	0.1315	<0.0001
LUZP4	0.761	0.1316	0.0364
TFCP2L1	0.385	0.1325	<0.0001
CALR3	0.484	0.1328	<0.0001
CGA	0.784	0.1329	0.0371
LOC100130331	0.387	0.1338	0.0024
LINC01191	0.093	0.1339	0.0026
CTDSPL	0.788	0.1341	0.035

CA9	0.796	0.1341	0.0384
SIAH2	0.769	0.1342	0.0457
COL10A1	0.809	0.1344	0.0425
EFR3B	0.701	0.1345	0.0395
SIM1	0.716	0.1349	0.0322
DCAF6	0.707	0.1349	0.0392
LACTB2	0.616	0.1351	0.0064
UAP1L1	0.713	0.1354	0.0255
CCDC58	0.754	0.1358	0.0433
SFXN3	0.79	0.1359	0.0456
DNPEP	0.811	0.1359	0.0489
LINC01134	0.311	0.136	0.0024
FAM182A	0.228	0.136	0.0127
LINC00473	0.206	0.1361	0.005
SBSPON	0.443	0.1364	0.0003
PROK1	0.712	0.1364	0.0324
SPERT	0.627	0.1364	0.0356
NYAP2	0.484	0.1366	0.0006
ABCA12	0.553	0.1367	0.003
ATP1A2	0.711	0.1367	0.0121
C1orf100	0.693	0.1367	0.0302
H2BFM	0.38	0.1368	0.0001
DLX2	0.777	0.137	0.0283
SLC6A15	0.592	0.1371	0.0081
ADAM21P1	0	0.1371	0.0447
SLC36A2	0.617	0.1372	0.036
USH1C	0.664	0.1379	0.0147
ALDH1L2	0.682	0.1379	0.0202
PKD2L1	0.733	0.1381	0.0267
STK32B	0.767	0.1384	0.0375
RHBDL2	0.681	0.1385	0.0274
MIR618	0.101	0.1388	0.0316
CDIPT	0.831	0.1389	0.0484

APCDD1L	0.734	0.139	0.0258
CACNA1E	0.781	0.1393	0.0312
TTC28	0.783	0.1398	0.0469
KRT8P41	0.424	0.14	0.0148
PRSS3	0.757	0.14	0.0333
BCRP2	0.485	0.1401	0.0133
FLNA	0.816	0.1401	0.0373
SCN1A	0.256	0.1402	<0.0001
CSMD3	0.687	0.1406	0.0187
RAET1L	0.041	0.1406	<0.0001
NOVA1	0.789	0.1409	0.0374
OR14J1	0.445	0.141	<0.0001
SIAH1P1	0.01	0.1412	0.0492
GPR20	0.826	0.1415	0.0451
TRIM36-IT1	0	0.1418	0.0476
RNU2-71P	0	0.1418	0.0482
PCSK1	0.787	0.142	0.036
GUCA2A	0.821	0.1421	0.0384
LOC780529	0.365	0.1422	0.0052
GNRHR2	0.626	0.1424	0.0234
VLDLR-AS1	0	0.1425	0.0395
RGS22	0.601	0.1426	0.013
UNC5D	0.619	0.1427	0.0146
PEX26	0.777	0.1427	0.0368
LINC00529	0.023	0.1428	0.0042
ZNF350	0.79	0.1428	0.0483
ICA1	0.757	0.143	0.0161
FAM151B	0.552	0.143	0.0202
TCIRG1	0.748	0.143	0.0222
TMEM72	0.634	0.1432	0.04
GRIN2C	0.803	0.1433	0.0285
HSD3BP4	0.275	0.1435	0.0193
RHBDD2	0.668	0.1435	0.0208

ZNF507	0.801	0.1435	0.048
CARS2	0.686	0.1436	0.0117
NCF2	0.794	0.1438	0.0357
VDAC1P4	0	0.1438	0.0396
TAB3	0.649	0.1439	0.0463
RNU6-998P	0	0.144	0.0447
LOC101928069	0	0.1442	0.0088
LRFN1	0.659	0.1443	0.0144
RNU2-11P	0	0.1443	0.0444
RN7SL836P	0.184	0.1443	0.0445
RN7SKP42	0	0.1446	0.0413
SPINT3	0.496	0.1446	<0.0001
CERK	0.793	0.1447	0.0293
RNU1-101P	0	0.145	0.0432
DPEP1	0.832	0.1451	0.0379
TATDN2P1	0	0.1452	0.043
MIR4753	0	0.1452	0.043
IL31RA	0.566	0.1456	0.0041
TM4SF5	0.595	0.1456	0.0047
TREML4	0.386	0.1456	<0.0001
DOCK3	0.812	0.1458	0.0335
EPHA4	0.781	0.1459	0.0194
NDUFV3	0.74	0.146	0.0403
MRPL4	0.786	0.1462	0.0353
MIR203A	0.452	0.1462	0.0394
GAL	0.81	0.1466	0.0305
TRPC3	0.802	0.1467	0.0352
SLC9C1	0.487	0.1468	0.0107
RNU6-198P	0.457	0.1468	0.041
RNU6-157P	0.483	0.1468	0.041
MYLIP	0.702	0.1469	0.0137
RNU2-72P	0	0.1478	0.0371
CHST11	0.786	0.1479	0.0222

CCDC103	0.746	0.1479	0.0429
CLLU1OS	0.646	0.148	0.0392
DGKK	0.645	0.1482	0.016
ZNF570	0.721	0.1483	0.0271
GAPDHP22	0	0.1483	0.034
SLC6A6	0.813	0.1485	0.0376
RNU6-899P	0	0.1485	0.0385
RN7SKP80	0	0.1485	0.0386
DNTT	0.851	0.1485	0.0499
FAM110B	0.803	0.1488	0.0303
GGN	0.817	0.1489	0.0454
RNU6-270P	0	0.1492	0.0377
GPR63	0.588	0.1494	0.0017
RNU6-877P	0	0.1494	0.0373
RNU7-4P	0	0.1494	0.0374
RNU2-70P	0	0.1495	0.0374
BCL2L11	0.833	0.1498	0.0393
MIR4306	0	0.15	0.0365
RN7SL442P	0	0.15	0.0366
LAIR1	0.855	0.15	0.0462
GCSAML-AS1	0	0.1501	0.0059
RN7SKP124	0.183	0.1501	0.0343
RNU6-934P	0	0.1501	0.0364
RFX3-AS1	0	0.1501	0.0485
ZFHX3	0.743	0.1506	0.0247
KATNBL1P6	0.498	0.1507	0.0474
PCDHB16	0.74	0.1507	0.0481
WDR25	0.669	0.1509	0.0082
NMNAT2	0.571	0.151	0.0024
C19orf73	0.699	0.1511	0.0252
STX17-AS1	0.098	0.1511	0.0414
DLX1	0.735	0.1512	0.0194
LHX3	0.845	0.1513	0.0446

FOXL1	0.768	0.1515	0.0149
FTHL17	0.746	0.1515	0.0235
FZD10	0.852	0.1516	0.0413
FAM118A	0.806	0.1517	0.0249
RN7SL65P	0	0.1518	0.0344
OFCC1	0.542	0.152	0.0051
DOK5	0.85	0.152	0.0471
RNU6-552P	0	0.1522	0.034
AACSP1	0.398	0.1523	0.0003
LINC00517	0.414	0.1525	0.0266
IDH1	0.844	0.1528	0.0374
URAD	0	0.1529	0.0246
NCOR1P1	0.162	0.153	0.0165
CIDEC	0.772	0.1531	0.0163
RNU5E-4P	0	0.1533	0.0218
FAM27E5	0	0.1535	0.0383
MIR6885	0.237	0.1535	0.0495
NCBP1	0.834	0.1539	0.0493
RNU6-918P	0	0.154	0.0319
RN7SL70P	0	0.154	0.032
CSTF2T	0.8	0.1541	0.0218
POTEC	0.373	0.1542	0.0003
AZI2	0.681	0.1544	0.0045
RPL23AP14	0	0.1544	0.0259
RN7SKP57	0	0.1544	0.0295
AMPD3	0.833	0.1544	0.03
RNU6-249P	0	0.1545	0.0313
MAGEF1	0.699	0.1546	0.0057
LRRC63	0.466	0.1546	<0.0001
TACC1	0.835	0.1547	0.0403
MPZL2	0.763	0.1548	0.0265
CHRM3-AS1	0	0.1548	0.0269
CCL28	0.752	0.1549	0.0186

OPLAH	0.764	0.155	0.0257
RN7SKP112	0	0.1552	0.0287
RPS15AP25	0	0.1553	0.0304
RN7SKP224	0.447	0.1553	0.0307
LRGUK	0.804	0.1553	0.0325
LINC01503	0	0.1555	0.0412
ZNF781	0.799	0.1556	0.0466
CACNG1	0.855	0.1558	0.0398
HSPD1P1	0	0.156	0.0257
TOR1AIP1	0.794	0.1563	0.0295
RNU6-1170P	0.405	0.1563	0.0296
RNU6-63P	0.226	0.1564	0.0193
RNU1-80P	0	0.1565	0.0294
TFAP2A	0.849	0.1565	0.0468
BNIP1	0.817	0.1567	0.0243
PLS1-AS1	0	0.1567	0.0292
TYW1	0.784	0.1567	0.0349
ACSBG2	0.736	0.1568	0.0089
TMEM91	0.736	0.1568	0.0364
TGIF2P1	0	0.1569	0.041
TRIM64EP	0	0.157	0.041
RAB40AL	0.543	0.1571	0.0089
RN7SL569P	0	0.1572	0.0285
MACROD2	0.751	0.1573	0.0146
SVOPL	0.544	0.1574	0.0033
PPY	0.598	0.1575	0.002
CYP1D1P	0	0.1575	0.0403
ALPI	0.789	0.1576	0.0133
RN7SL456P	0	0.1577	0.028
ZNF847P	0.497	0.1579	0.0072
CSTP1	0	0.1579	0.0397
SAFB	0.843	0.1579	0.042
METAP2	0.83	0.1582	0.0326

SSH3	0.774	0.1583	0.0205
HSPB8	0.782	0.1584	0.0159
UGT1A12P	0	0.1584	0.0392
ELAVL2	0.862	0.1584	0.0392
RPS25	0.822	0.1584	0.048
TRIP6	0.809	0.1586	0.0344
DCAF10	0.779	0.1586	0.0365
SLC22A8	0.701	0.1587	0.008
PTGES	0.737	0.1587	0.0121
KRT85	0.81	0.1587	0.0183
FKBP1B	0.805	0.1587	0.019
PAXIP1-AS2	0.281	0.1587	0.0316
KIAA1656	0.385	0.1588	0.001
MIR425	0.332	0.1588	0.0085
C19orf24	0.823	0.1588	0.0437
YLPM1	0.778	0.1589	0.0262
JUP	0.852	0.159	0.0332
LINC00393	0.402	0.1591	0.0241
RNU6-1272P	0.42	0.1591	0.0268
KTN1	0.802	0.1593	0.0185
IL17B	0.843	0.1593	0.0306
HOXC8	0.735	0.1595	0.0085
RN7SL597P	0.459	0.1595	0.0264
HPRT1	0.847	0.1595	0.0323
GPR143	0.861	0.1595	0.0361
RNU6-132P	0.278	0.1597	0.0262
RN7SKP249	0	0.1599	0.0242
IDI2	0.816	0.1599	0.03
LOC100507557	0	0.1601	0.0013
LINC01363	0.452	0.1601	0.0363
PPIL6	0.752	0.1603	0.0205
RN7SKP146	0.207	0.1604	0.0256
SYNGR1	0.841	0.1606	0.0376

EPHA1	0.877	0.1606	0.049
OR2T3	0.27	0.1611	0.0005
FBXO11	0.817	0.1611	0.0209
MYCBPAP	0.733	0.1615	0.017
TUNAR	0.442	0.1618	0.0003
LOC101928107	0	0.1618	0.0033
NOS2P3	0.377	0.1618	0.012
RPL29P22	0	0.1619	0.035
EIF1AX	0.869	0.1619	0.0403
ZNF329	0.823	0.162	0.0334
HMGB3P10	0	0.1621	0.0347
AFTPH	0.872	0.1622	0.0477
ZNF560	0.649	0.1623	0.0075
ZNF454	0.595	0.1623	0.0082
BZW1P1	0	0.1624	0.0389
CLSTN2-AS1	0	0.1625	0.0003
FZD3	0.53	0.1627	0.0002
COL17A1	0.842	0.1627	0.0267
MTND4P31	0	0.1627	0.0341
RNU6ATAC34P	0.241	0.1628	0.0218
COX7CP1	0.495	0.163	0.034
TXLNB	0.605	0.1631	0.0041
POLDIP2	0.71	0.1634	0.0095
ZNF90	0.691	0.1634	0.0144
RASSF1	0.834	0.1635	0.0477
LAMB1	0.87	0.1636	0.0386
NARS2	0.859	0.1636	0.047
DLGAP1-AS5	0	0.1637	0.0196
PLPPR3	0.408	0.1637	0.0269
ANKRD13D	0.817	0.1637	0.0292
SGIP1	0.811	0.1637	0.0438
SDHAF3	0	0.1641	0.0267
CDH10	0.648	0.1642	0.0015

RNF183	0.67	0.1643	0.0096
RNF148	0.751	0.1643	0.0242
TMEM200B	0.691	0.1645	0.0241
OR4F16	0	0.1646	0.0126
MCM9	0.78	0.1646	0.0192
WDR82	0.767	0.1646	0.0198
SLC25A1P1	0	0.1647	0.032
CELF5	0.641	0.1648	0.0204
ABHD8	0.841	0.1649	0.0265
LAMP5-AS1	0.027	0.1649	0.035
MECR	0.82	0.1651	0.0196
ZNF613	0.736	0.1652	0.0087
RN7SKP293	0.245	0.1654	0.0213
FAM32A	0.856	0.1654	0.0337
THAP11	0.804	0.1656	0.0228
KBTBD6	0.816	0.1656	0.0327
OR7E102P	0	0.1657	0.0211
LINC01381	0	0.1658	0.0299
FBXL17	0.792	0.1661	0.033
RFFL	0.814	0.1661	0.0402
PARD6B	0.732	0.1662	0.0087
DDHD2	0.859	0.1662	0.0343
H1FX	0.868	0.1662	0.0467
UBE2B	0.81	0.1663	0.0208
SPIN1	0.804	0.1664	0.0301
FMN2	0.498	0.1664	<0.0001
NODAL	0.595	0.1665	0.0028
DAPL1	0.355	0.1667	<0.0001
SLCO5A1	0.689	0.1669	0.0042
KRTAP2-3	0.485	0.1669	0.0068
EXT1	0.849	0.1669	0.0241
PCNT	0.864	0.1669	0.0467
BBS12	0.709	0.167	0.0057

ANKRD36P1	0	0.167	0.02
PPP1R14D	0.829	0.1671	0.0423
CLEC2L	0.748	0.1673	0.0281
MIR3157	0.281	0.1674	0.0198
LINC00589	0.33	0.1674	<0.0001
C1GALT1	0.813	0.1675	0.0156
LAD1	0.827	0.1677	0.017
C4BPAP2	0.281	0.1678	0.0291
GTF2A1	0.859	0.1679	0.028
BCL2L1	0.863	0.1679	0.0321
IBA57	0.63	0.1679	0.0361
LOC441601	0.749	0.168	0.0429
ENAM	0.764	0.1681	0.0121
MIR4424	0.178	0.1681	0.0193
ZNF608	0.774	0.1681	0.0273
TOP1	0.86	0.1681	0.0454
KLK4	0.832	0.1682	0.0288
ZNF689	0.774	0.1683	0.0239
MTND1P34	0.472	0.1683	0.0286
BFSP2-AS1	0.223	0.1684	0.0002
ARNT2	0.771	0.1684	0.0056
DNAH8	0.702	0.1684	0.0095
RNU6-1043P	0	0.1684	0.0189
ZNF444	0.778	0.1685	0.0132
MED21	0.825	0.1685	0.0498
DYRK1B	0.822	0.1687	0.0163
IREB2	0.816	0.1687	0.0211
GLG1	0.864	0.1689	0.0307
SEMA3A	0.847	0.1691	0.031
ANKRD1	0.758	0.1692	0.0064
RNU6-975P	0.18	0.1693	0.0184
SCRN3	0.815	0.1694	0.022
CAPN13	0.675	0.1695	0.0034

SMIM23	0	0.1695	0.0128
CITED1	0.889	0.1697	0.0428
ZIM2	0.72	0.1698	0.0294
RN7SL305P	0	0.1699	0.018
KRTAP20-2	0.471	0.17	<0.0001
CATSPER3	0.669	0.1701	0.0026
FSIP2	0.799	0.1701	0.0243
POMT1	0.703	0.1702	0.0042
STX5	0.764	0.1702	0.0093
RN7SKP87	0	0.1702	0.0165
RNU6-1187P	0	0.1702	0.0178
TMEM203	0.78	0.1702	0.0422
ADAM21	0.722	0.1703	0.0064
SALRNA3	0	0.1703	0.0291
DUSP11	0.879	0.1704	0.0428
PHF3	0.85	0.1705	0.0322
RN7SKP230	0	0.1706	0.0175
MC1R	0.874	0.1706	0.0485
NUP62CL	0.603	0.1707	0.0011
AMIGO1	0.728	0.1708	0.0067
KANK2	0.755	0.1709	0.0134
PBX3	0.829	0.1709	0.0247
ANAPC2	0.822	0.1712	0.0162
MIR4735	0	0.1712	0.0171
CLDN7	0.767	0.1713	0.0069
PEX7	0.862	0.1713	0.0378
KCNN4	0.866	0.1714	0.0267
AK7	0.459	0.1714	<0.0001
UQCRC1	0.825	0.1715	0.0211
CLIP1	0.848	0.1715	0.0255
CCL11	0.846	0.1716	0.0173
OR56A3	0.533	0.1717	0.0058
CWC15	0.851	0.1717	0.0447

HTR2C	0.847	0.172	0.022
PLAC1	0.665	0.1722	0.0028
GTF2H5	0.847	0.1722	0.0265
LINC01476	0.149	0.1722	0.0275
MIOX	0.807	0.1723	0.0243
LINC01477	0	0.1723	0.0274
RN7SL69P	0.216	0.1724	0.0164
HSPD1P7	0	0.1724	0.0248
DMBX1	0.75	0.1725	0.0089
NPPB	0.858	0.1725	0.0363
LOC101928222	0	0.1726	0.0017
ZNFX1	0.743	0.1726	0.0124
RIPPLY2	0.697	0.1728	0.0143
CCDC126	0.798	0.1728	0.0177
CDON	0.759	0.1729	0.005
APPBP2	0.852	0.1729	0.0211
LINC00159	0.172	0.173	0.0111
REG4	0.714	0.1731	0.0087
TRAPPC12	0.658	0.1731	0.0421
SYT6	0.578	0.1732	0.0014
ANKMY2	0.786	0.1734	0.0083
PCDHB6	0.724	0.1735	0.0051
NFYB	0.869	0.1735	0.0398
RPS6P20	0	0.1736	0.0239
NFE2L3	0.879	0.1738	0.0489
EFHC2	0.663	0.1739	0.0009
KAZALD1	0.84	0.174	0.0211
MIR486-1	0	0.174	0.0258
CHUK	0.87	0.174	0.035
ATP8B2	0.795	0.1741	0.0089
CELF4	0.71	0.1741	0.0298
RNU6-1149P	0	0.1742	0.0152
BHLHE41	0.753	0.1743	0.0329

UBE2R2	0.681	0.1745	0.0058
DCC	0.848	0.1745	0.0182
RPL15P18	0.288	0.1745	0.0232
ZNF333	0.84	0.1746	0.0466
SCUBE2	0.714	0.1747	0.003
HMGA2	0.834	0.1748	0.0166
YPEL1	0.823	0.1748	0.0185
LOC102723704	0	0.1749	0.0015
CLDN19	0.775	0.1749	0.0098
RNU6-107P	0.204	0.1749	0.015
ZBTB11	0.871	0.1749	0.0467
RAP1GAP	0.882	0.1749	0.0492
OR7E5P	0.37	0.1749	<0.0001
LGI3	0.776	0.175	0.0099
PCDHB17P	0.094	0.175	0.0165
KIZ-AS1	0.249	0.175	0.0251
PDPN	0.862	0.175	0.0336
MOCS1P1	0.21	0.1751	0.0124
CSNK2A2	0.831	0.1751	0.013
KRTAP5-2	0.641	0.1752	0.0028
FRMPD1	0.778	0.1752	0.0058
MIR644A	0.231	0.1752	0.0134
RNU6-696P	0	0.1752	0.0147
C2orf15	0.766	0.1752	0.0148
TNFSF18	0.851	0.1752	0.0336
SIM2	0.725	0.1753	0.0033
GNPDA2	0.782	0.1753	0.0122
ATE1	0.839	0.1753	0.0295
VTRNA1-3	0.457	0.1754	0.0054
C10orf55	0.776	0.1754	0.0228
GLRB	0.798	0.1755	0.0073
LRRC52	0.775	0.1756	0.0147
MAGEA10	0.857	0.1756	0.0205

CYB561	0.792	0.1758	0.0076
CHRN2	0.869	0.1758	0.034
TMEM35A	0	0.176	0.0176
STX7	0.85	0.176	0.0268
POC1B	0.739	0.176	0.0377
VASP	0.873	0.176	0.0395
ABCB9	0.895	0.176	0.0464
TRAPPC1	0.727	0.1764	0.0136
DTX3L	0.803	0.1764	0.0151
UNC5A	0.791	0.1764	0.0215
RPS23P6	0.271	0.1764	0.0219
ZCCHC12	0.555	0.1765	0.0013
OPA1	0.842	0.1765	0.0273
CPA4	0.618	0.1766	0.0003
RNU6-525P	0.459	0.1766	0.014
PRELID3A	0	0.1767	0.0168
DCANP1	0.348	0.1768	0.0131
SF3A3P1	0.499	0.1769	0.0217
RNU6-748P	0	0.1771	0.0136
CCDC7	0.805	0.1772	0.0189
ATF1	0.846	0.1772	0.02
PIAS2	0.83	0.1772	0.0222
KLHL18	0.735	0.1773	0.0031
SBF2	0.833	0.1773	0.039
TLE3	0.871	0.1775	0.0361
ESRRA	0.844	0.1777	0.0151
ZNF600	0.836	0.1777	0.0383
NPNT	0.749	0.1778	0.0112
RNU6-917P	0.459	0.1778	0.0134
LRCH3	0.874	0.1778	0.0329
VCY	0.562	0.1778	0.0343
TIMM8B	0.724	0.1779	0.0051
TBC1D30	0.726	0.1779	0.0236

LCMT2	0.861	0.178	0.0257
GPR21	0.809	0.1781	0.0087
FBXO42	0.825	0.1783	0.0125
RHCG	0.842	0.1783	0.021
SNTG1	0.712	0.1786	0.0029
NECAB1	0.691	0.1786	0.0109
GAGE12H	0	0.1788	0.0023
LARGE2	0	0.179	0.0154
OFD1P1Y	0	0.1792	0.0196
SENP7	0.883	0.1792	0.0493
IGFL2	0.732	0.1794	0.0053
POLR1D	0.797	0.1794	0.0127
RAPGEF1	0.876	0.1794	0.0377
LRP2	0.788	0.1795	0.0046
KIAA0930	0.609	0.1795	0.0179
IL17F	0.332	0.1795	<0.0001
ITPR3	0.841	0.1796	0.0138
FLYWCH1	0.855	0.1796	0.0315
SETD1A	0.853	0.1796	0.033
CHPT1	0.693	0.1797	0.001
BTF3P10	0	0.1798	0.0071
ACTN1	0.779	0.1799	0.0059
NUP35	0.781	0.18	0.0179
KPNA3	0.829	0.1803	0.0106
KRT8P26	0	0.1803	0.0189
BAG5	0.894	0.1803	0.0378
ATP8B5P	0.565	0.1803	0.0454
ZP1	0.644	0.1804	0.0027
RNU6ATAC30P	0.216	0.1804	0.011
LOC441052	0.438	0.1805	<0.0001
BEST4	0.829	0.1806	0.0189
DLX4	0.901	0.1807	0.0403
RNU11-3P	0	0.1808	0.0108

RNU6-1324P	0.205	0.1808	0.0118
SPR	0.832	0.1808	0.0163
KLHL30	0.76	0.181	0.0133
TMEM8A	0.67	0.181	0.0222
RNU6-667P	0.179	0.1811	0.0117
PML	0.865	0.1811	0.0295
RNU6-731P	0.241	0.1813	0.0116
NUDC	0.716	0.1814	0.0031
EIF2AK2	0.893	0.1815	0.0358
LINC01180	0.455	0.1815	<0.0001
LUZP2	0.676	0.1816	0.0009
BTC	0.821	0.1817	0.0081
SSSCA1-AS1	0.314	0.1818	0.0005
KIAA0513	0.819	0.1818	0.0075
PIK3IP1	0.879	0.1818	0.0478
MIR6070	0.145	0.1821	0.0198
DCUN1D2	0.895	0.1822	0.0427
PRR13	0.797	0.1827	0.011
RN7SKP51	0	0.1828	0.0099
RNU6-1203P	0	0.183	0.0108
TWF1P1	0	0.183	0.0172
ZNF496	0.706	0.1831	0.0053
MAP3K15	0.769	0.1833	0.0043
NAPG	0.833	0.1833	0.0183
TMEM9B	0.834	0.1833	0.0204
YTHDF2	0.842	0.1833	0.0213
STXBP3	0.856	0.1833	0.0253
LINC01602	0	0.1834	0.0164
LINC01609	0	0.1834	0.0189
FSIP1	0.867	0.1835	0.0334
TXNDC15	0.853	0.1835	0.0355
ZPR1	0.58	0.1835	0.0458
C1GALT1C1	0.868	0.1836	0.0223

ZNF780A	0.852	0.1836	0.0475
INHA	0.619	0.1837	0.0001
GEMIN8	0.787	0.1837	0.0049
ELMOD2	0.816	0.1838	0.0153
SUMO1	0.881	0.1838	0.0362
ARSG	0.596	0.1839	0.0004
BSND	0.676	0.1839	0.0011
TP53TG3B	0.456	0.1839	0.0202
UBE4A	0.882	0.184	0.0381
AGFG2	0.788	0.1841	0.0172
LSINCT5	0	0.1841	0.0185
HES4	0.849	0.1841	0.0244
LINGO1-AS1	0	0.1842	0.0153
LINC01017	0	0.1842	0.0159
CRISP2	0.84	0.1843	0.0136
ZNF317P1	0	0.1844	0.0163
ERVW-1	0.601	0.1844	0.0388
OSGEP	0.784	0.1845	0.0075
MIR8063	0.216	0.1845	0.0184
PARM1	0.789	0.1845	0.0248
GMPR2	0.817	0.1846	0.008
S100A11P2	0	0.1847	0.0101
SNORA62	0.498	0.1847	0.0115
LOC101928535	0	0.1849	0.0008
MLH3	0.864	0.1849	0.0251
GPC5	0.794	0.185	0.0042
RBM15	0.859	0.185	0.0284
FBXO44	0.89	0.185	0.0498
CHP2	0.626	0.1852	0.0024
NOVA2	0.791	0.1852	0.0084
MDGA2	0.742	0.1853	0.0042
RNY4P7	0.387	0.1853	0.0056
RNU6-1029P	0.154	0.1853	0.01

TUBA3D	0.735	0.1854	0.0272
FBXW2	0.873	0.1855	0.0257
PTPRJ	0.873	0.1855	0.0353
ACTR1B	0.901	0.1855	0.0385
LRFN5	0.509	0.1856	<0.0001
WDR13	0.56	0.1857	0.0002
RNU6-618P	0.311	0.1857	0.0098
FAM114A1	0.886	0.1857	0.0283
RUNDC3A	0.741	0.1858	0.0049
RNU6-790P	0	0.1859	0.0097
LINC01324	0	0.1859	0.015
ANKRD33	0.695	0.186	0.0016
DDIT4L	0.678	0.1861	0.0013
TNKS	0.889	0.1861	0.0469
LOC101927131	0	0.1863	0.0007
LINC01230	0	0.1863	0.0171
EMX1	0.874	0.1863	0.0226
KRT18P49	0	0.1864	0.0092
RNU6-452P	0	0.1865	0.0094
LIPT2	0.628	0.1865	0.0248
GALNT13	0.755	0.1866	0.0041
RNASEH2C	0.83	0.1866	0.0287
DIRC3	0.514	0.1868	0.0044
CREG2	0.863	0.1868	0.0316
VCX2	0.676	0.187	0.0086
GUSBP6	0	0.1871	0.0158
MIR151B	0	0.1871	0.0166
MYOM3	0.802	0.1872	0.0162
MDFI	0.874	0.1872	0.0182
PKD1P1	0.447	0.1872	<0.0001
HIST3H3	0.806	0.1875	0.0118
KCTD21	0.729	0.1876	0.0048
CD28	0.883	0.1876	0.0249

SH3KBP1	0.86	0.1876	0.0404
LINC01229	0	0.1877	0.0162
GAGE2E	0	0.1877	<0.0001
UACA	0.802	0.1878	0.0176
CEP63	0.774	0.1879	0.0033
UGT3A2	0.556	0.188	0.0017
VKORC1L1	0.769	0.188	0.0125
LOC401312	0.394	0.1881	0.0004
CCDC40	0.745	0.1881	0.0035
OR52E6	0.642	0.1881	0.0088
PSORS1C1	0.831	0.1881	0.014
ZXDB	0.861	0.1881	0.0343
ABCC1	0.836	0.1882	0.0163
RNA5SP33	0.499	0.1883	0.0049
RNU6-1322P	0	0.1883	0.0088
PGM2L1	0.81	0.1885	0.0198
CPA2	0.89	0.1885	0.0307
IRF6	0.831	0.1886	0.0099
PKDCC	0.7	0.1886	0.0133
FBXL7	0.768	0.1887	0.0025
BIRC3	0.854	0.1887	0.0127
PPIAP24	0	0.1889	0.0085
CCDC85C	0.776	0.1889	0.0263
LMNTD1	0.468	0.1889	<0.0001
LOC101929645	0	0.189	0.0006
TMCO2	0.562	0.189	0.0009
C5orf17	0.507	0.189	0.0019
EYA1	0.834	0.1891	0.0077
GAK	0.873	0.1891	0.0185
RDH13	0.869	0.1891	0.0451
SYT1	0.838	0.1892	0.0138
PLS3-AS1	0	0.1892	0.0155
FBXO41	0.616	0.1893	0.0007

RPL4P4	0	0.1893	0.0084
RAD9B	0.79	0.1893	0.0168
WNT3A	0.738	0.1893	0.0204
CADPS2	0.774	0.1894	0.0032
ZNF280A	0.486	0.1894	<0.0001
ZNF304	0.727	0.1896	0.0023
RPL30P1	0	0.1896	0.0083
PRR5L	0.824	0.1896	0.0485
MIR563	0.088	0.1897	0.0034
PAF1	0.839	0.1897	0.0169
PIK3C2A	0.852	0.1899	0.0215
ZFP90	0.73	0.19	0.0054
TSPY10	0	0.1902	0.0063
RNU6-466P	0	0.1903	0.0081
ERVMER34-1	0.73	0.1903	0.0465
FAM120C	0.533	0.1903	<0.0001
INSC	0.699	0.1904	0.0019
IMPDH1	0.815	0.1904	0.0049
LAIR2	0.821	0.1905	0.0064
TFDP2	0.848	0.1905	0.0157
FBXL16	0.821	0.1906	0.0113
KIAA0319	0.735	0.1907	0.0012
RNU2-35P	0	0.191	0.0079
PLBD1-AS1	0.471	0.191	0.0123
MIR3661	0	0.1911	0.0061
RNU6-237P	0.462	0.1912	0.0078
PYROXD1	0.784	0.1912	0.0177
ATP8A2	0.885	0.1912	0.0218
INPP5E	0.914	0.1913	0.0454
AHNAK2	0.737	0.1914	0.0027
LETM2	0.759	0.1914	0.0057
C20orf194	0.817	0.1914	0.0179
TERF1P5	0.184	0.1916	0.0042

RNU6-1255P	0.072	0.1916	0.0078
GAGE12C	0	0.1917	0.0001
RN7SL403P	0.478	0.1917	0.0077
METAP1	0.869	0.1917	0.0163
EIF3A	0.853	0.1917	0.018
ETV2	0.869	0.1917	0.0207
MIR4771-2	0.266	0.1918	0.0126
PKIB	0.75	0.1919	0.0064
TRIM36	0.646	0.192	0.0005
SH3GL1	0.805	0.192	0.0067
LINC00534	0.245	0.192	0.0076
RPL21P110	0	0.192	0.0124
MAP4K5	0.887	0.192	0.0226
OPA3	0.876	0.192	0.0315
HOXC10	0.595	0.192	<0.0001
LSM10	0.641	0.1921	0.001
RNA5SP466	0	0.1921	0.0041
KRT18P44	0.377	0.1921	0.0078
GAPDHP37	0	0.1921	0.0124
FBXO22	0.809	0.1922	0.0055
CAMK2N1	0.801	0.1922	0.0056
RPL36P18	0	0.1922	0.0074
LOC101928697	0	0.1923	0.0002
LOC101928622	0.345	0.1923	0.0005
IGLJCOR18	0.28	0.1923	0.0075
GAGE2B	0.448	0.1924	0.0007
LINC01203	0	0.1924	0.0097
GABRG2	0.873	0.1925	0.018
RSBN1L	0.813	0.1925	0.0191
ZIK1	0.726	0.1926	0.0064
HS6ST1	0.807	0.1926	0.0078
CDKL3	0.899	0.1926	0.0355
PRKD3	0.852	0.1928	0.0167

CNIH3	0.803	0.1929	0.0041
PNMA3	0.836	0.1929	0.0129
PPIP5K2	0.831	0.1929	0.0465
AHRR	0.769	0.193	0.005
TOP3A	0.85	0.1931	0.0157
CHIT1	0.836	0.1932	0.0153
RNU7-200P	0	0.1933	0.0133
ADGRF4	0.461	0.1934	0.0095
TNFRSF19	0.838	0.1936	0.0245
SLC30A2	0.698	0.1937	0.0025
RNU6-824P	0	0.1937	0.0071
UBTD1	0.854	0.1937	0.0196
SMCR8	0.821	0.1938	0.019
MIR548N	0	0.1939	0.0055
ZNF614	0.742	0.194	0.0025
FAM122C	0.828	0.1941	0.0108
PTPRD-AS2	0	0.1941	0.013
NPAT	0.788	0.1942	0.0055
RDH10	0.617	0.1943	0.0008
CRYBB2	0.826	0.1943	0.0062
ANKRA2	0.837	0.1943	0.0087
TSSC4	0.867	0.1946	0.0255
MVB12B	0.644	0.1947	0.0295
FZR1	0.888	0.1949	0.0217
LINC01228	0	0.195	0.0126
SYNGR4	0.874	0.195	0.0221
POLR2KP1	0	0.1951	0.0111
RNF38	0.792	0.1952	0.0054
CRLF1	0.874	0.1952	0.0148
PLEKHG4	0.838	0.1952	0.0325
HIPK1	0.871	0.1953	0.0165
AAMP	0.882	0.1953	0.0192
SURF2	0.853	0.1953	0.0194

CHAC2	0.617	0.1954	0.0003
CT45A3	0	0.1955	0.0014
VSTM5	0.463	0.1956	0.001
LPAR4	0.806	0.1956	0.0093
ALDOAP1	0	0.1956	0.0109
BEND7	0.804	0.1957	0.0171
MRPL23	0.788	0.196	0.0059
HTRA4	0.841	0.196	0.0139
ANKRD13A	0.889	0.196	0.0379
FAM71F2	0.658	0.1961	0.0013
RN7SL547P	0	0.1961	0.0063
DHRS7	0.824	0.1962	0.0057
RNU1-136P	0.253	0.1962	0.0063
TIMM23	0.87	0.1962	0.047
RN7SKP255	0	0.1963	0.0056
TOM1	0.862	0.1965	0.0178
EEF2	0.891	0.1965	0.0224
CHST13	0.862	0.1967	0.0211
COPS2	0.91	0.1967	0.0359
NDUFS3	0.781	0.1968	0.0044
RNASEH2B	0.887	0.1968	0.0355
SYT11	0.809	0.1969	0.0061
RN7SKP117	0.467	0.197	0.0061
ANXA5	0.869	0.1971	0.0126
KCTD13	0.784	0.1973	0.0037
RPL29P19	0.484	0.1973	0.0104
CSDE1	0.85	0.1973	0.0113
FOXQ1	0.45	0.1973	<0.0001
RNU5D-1	0.26	0.1974	0.0032
HMGB3P5	0	0.1974	0.0103
MIR4472-2	0.141	0.1977	0.0066
MIR6877	0	0.1977	0.0115
PPIL3	0.805	0.1977	0.0165

FBXO36-IT1	0	0.198	0.0058
HOXC13-AS	0.424	0.1982	0.0113
NDUFA11	0.884	0.1982	0.049
SLC24A5	0.537	0.1983	0.0031
KIF1B	0.878	0.1983	0.0179
TRBV7-7	0.128	0.1984	0.0055
RNU6-969P	0	0.1984	0.0057
MIR4762	0	0.1984	0.0058
GCNT4	0.885	0.1984	0.0275
SNORD114-13	0	0.1985	0.0013
LRRCC1	0.794	0.1985	0.0063
KIF16B	0.815	0.1985	0.0115
ZNF281	0.874	0.1985	0.0257
CYP4F30P	0.547	0.1986	0.0223
SLC37A3	0.856	0.1986	0.0278
LINC00884	0.304	0.1986	<0.0001
ADGRL3	0.458	0.1988	0.0076
TAF3	0.778	0.199	0.01
FZD2	0.876	0.199	0.0132
C2orf91	0	0.1996	0.0011
DACH2	0.758	0.1996	0.0028
TNNT1	0.753	0.1997	0.0017
RRAS	0.785	0.1999	0.0031
OR52N5	0.538	0.2001	0.0015
MCOLN1	0.815	0.2001	0.0041
SNAP25	0.831	0.2001	0.0078
RNU6-433P	0	0.2002	0.0054
PANK2	0.885	0.2002	0.0307
SNX3	0.788	0.2003	0.0047
MMP24	0.866	0.2004	0.0189
LOC101926915	0	0.2005	0.0003
FBN1	0.815	0.2006	0.0033
SBK1	0.832	0.2009	0.0209

CCDC184	0.472	0.2009	<0.0001
RANBP17	0.7	0.201	0.0008
HOXA11	0.744	0.201	0.001
RN7SKP276	0	0.2011	0.0046
EBAG9	0.821	0.2012	0.0042
MAP3K10	0.883	0.2013	0.0164
RNU5E-10P	0.167	0.2014	0.0021
TRBV7-1	0.151	0.2014	0.0048
TMX1	0.786	0.2014	0.017
ACE	0.92	0.2015	0.0418
RTN4RL1	0.387	0.2015	<0.0001
EHD2	0.67	0.2016	0.0002
TBC1D17	0.885	0.2016	0.0306
ZNF486	0.869	0.2016	0.046
ZNF221	0.799	0.2017	0.0049
USP7	0.881	0.2018	0.0239
SLC30A8	0.374	0.2018	<0.0001
POLR3E	0.754	0.2019	0.0038
FAM197Y9	0	0.2019	0.0055
PANX2	0.775	0.2019	0.0061
DLX6	0.747	0.202	0.001
LOC339862	0	0.202	<0.0001
CENPV	0.45	0.202	<0.0001
CNTROB	0.849	0.2022	0.0132
RPL41	0.86	0.2022	0.0203
VTRNA2-2P	0	0.2023	0.0096
DYRK3	0.805	0.2024	0.0028
SLC6A3	0.869	0.2024	0.0165
LOC101928748	0	0.2025	0.0002
ARHGAP17	0.813	0.2025	0.0037
RNU4-90P	0	0.2026	0.0048
ACTN3	0.81	0.2027	0.0041
MIR1972-2	0.331	0.2027	0.0048

UGT2A3P7	0	0.2027	0.0084
C1orf189	0.744	0.2028	0.0091
MIR942	0.267	0.2029	0.0017
DTX2	0.85	0.2029	0.0186
RNU6-967P	0	0.203	0.0047
FAM227A	0.393	0.2031	0.0005
ZNF804A	0.494	0.2031	<0.0001
FIS1	0.628	0.2031	<0.0001
SLC30A10	0.823	0.2033	0.008
IFFO1	0.885	0.2034	0.0419
TNNC2	0.843	0.2036	0.0081
RRAGB	0.859	0.2036	0.0124
SNRPGP5	0	0.2037	0.0081
CDH9	0.779	0.2038	0.0016
TRIM62	0.83	0.2038	0.0083
PEX10	0.872	0.2038	0.023
PPP1R11P1	0	0.2039	0.0023
RNU6-770P	0	0.2039	0.0046
MRLN	0.495	0.204	0.0077
FOXG1-AS1	0	0.204	0.009
CIR1	0.802	0.2041	0.0099
DCLK3	0.891	0.2041	0.0412
RFXAP	0.914	0.2041	0.0477
ZNF711	0.753	0.2042	0.0014
PRRG3	0.906	0.2042	0.0453
RNU6-167P	0	0.2043	0.0045
ZNF32	0.849	0.2043	0.0121
PRICKLE3	0.865	0.2043	0.0232
CASC4P1	0	0.2048	0.0077
DISP1	0.897	0.2048	0.0388
MIR3667	0	0.2049	0.0069
CRELD1	0.867	0.2049	0.0093
ZNF208	0.445	0.2049	<0.0001

ATP11AUN	0	0.205	0.0022
CTDP1	0.805	0.205	0.0025
ZDHHC18	0.864	0.205	0.0165
MDGA1	0.711	0.2051	0.0007
FN3K	0.827	0.2051	0.0042
TBK1	0.842	0.2051	0.0106
BAG3	0.908	0.2051	0.0324
CYCSP51	0	0.2052	0.0043
HOXB13	0.836	0.2052	0.0045
GAGE1	0.873	0.2052	0.0307
LOC646522	0.08	0.2053	0.0002
GPR88	0.709	0.2053	0.0003
RNU6-834P	0	0.2054	0.0043
REC114	0.315	0.2054	<0.0001
ARL8A	0.753	0.2056	0.0018
AMZ2P1	0.549	0.2056	0.0173
MIR3146	0	0.2057	0.0033
DUX4L9	0.468	0.2057	0.0061
RBM20	0.596	0.206	0.0005
CAPN9	0.832	0.206	0.0048
RHBG	0.765	0.2062	0.0021
EIF4E2	0.826	0.2062	0.0039
EFHD2	0.756	0.2064	0.0008
ZNF320	0.766	0.2064	0.0058
EMCN	0.899	0.2064	0.0238
RNU6-1128P	0	0.2066	0.004
OSBPL2	0.81	0.2066	0.0046
PSCA	0.855	0.2066	0.0099
TRMT2B-AS1	0	0.2067	0.0032
ZNF547	0.759	0.2067	0.0049
DNAJC24	0.778	0.2067	0.006
TMEM40	0.681	0.2068	0.0003
PAGE5	0.754	0.2069	0.0033

CDH17	0.838	0.2069	0.004
TMEM163	0.805	0.2069	0.006
GZF1	0.851	0.207	0.0122
DKFZP586I1420	0.807	0.207	0.0389
MAP3K1	0.853	0.2071	0.0088
ZNF491	0.863	0.2071	0.0252
ORAI1	0.809	0.2072	0.0153
MED9	0.843	0.2073	0.0045
FGFR3P6	0	0.2073	0.007
ZNF529	0.855	0.2074	0.0144
LOC101929229	0	0.2075	0.0002
BSN	0.858	0.2075	0.0087
RBP2	0.751	0.2076	0.0041
DNASE2	0.895	0.2076	0.0183
BCL10	0.868	0.2077	0.0113
SNN	0.889	0.2077	0.0359
SALL4	0.901	0.2077	0.0428
FOXC1	0.875	0.2078	0.0126
RNU7-63P	0.274	0.2081	0.0034
CCDC81	0.752	0.2082	0.0006
PSKH1	0.894	0.2082	0.0299
ZNF75A	0.768	0.2083	0.0047
PRPS1	0.919	0.2084	0.0489
SNPH	0.87	0.2085	0.0147
CCL26	0.746	0.2086	0.0013
AXIN2	0.75	0.2086	0.0015
RN7SKP98	0	0.2086	0.0037
LINC01193	0.472	0.2086	0.0052
RNU4-57P	0	0.2086	0.0076
FRA10AC1	0.635	0.2086	0.0088
KLC3	0.866	0.2086	0.0148
DHPS	0.894	0.2086	0.0159
DYDC1	0.858	0.2086	0.0163

CTAG1A	0.499	0.2086	<0.0001
ACTR3B	0.859	0.2087	0.0112
C1orf174	0.85	0.2088	0.0114
RCOR2	0.793	0.2091	0.006
IRAK1BP1	0.859	0.2091	0.0176
SCN8A	0.878	0.2091	0.0191
CHID1	0.666	0.2092	0.0002
FOXA1	0.837	0.2092	0.0037
BRD7	0.9	0.2092	0.0245
AGPAT5	0.67	0.2093	0.0001
C1orf61	0.909	0.2093	0.033
GYS1	0.87	0.2094	0.0081
EPHX1	0.889	0.2095	0.0207
MYBPC1	0.893	0.2096	0.0242
C1QTNF6	0.895	0.2096	0.0338
PRKD1	0.735	0.2097	0.0007
RNU6-540P	0.051	0.2097	0.0036
PTPRR	0.859	0.2098	0.0102
TRNT1	0.828	0.2098	0.0131
ETV5	0.884	0.2099	0.0152
SNX21	0.835	0.21	0.0139
MSC	0.544	0.2101	<0.0001
PFKM	0.749	0.2102	0.0008
MGAT2	0.878	0.2102	0.0104
ST6GALNAC4	0.829	0.2103	0.0057
CERS3-AS1	0	0.2103	0.0071
ZNF229	0.6	0.2104	0.0006
LOH12CR2	0.751	0.2104	0.0148
GCC1	0.759	0.2105	0.0007
GJA10	0.808	0.2105	0.0033
COL9A2	0.843	0.2105	0.0038
PPP4R2	0.807	0.2107	0.0042
SH3BGRL3	0.863	0.2108	0.0133

UBE2U	0.63	0.2109	0.0004
FOXD4L1	0.737	0.2109	0.0057
IRS1	0.861	0.2109	0.0061
SPECC1	0.788	0.2109	0.0152
MIR608	0.485	0.211	0.0009
FOXJ1	0.817	0.2112	0.0016
SYNGR3	0.829	0.2113	0.0046
DSTN	0.85	0.2114	0.0047
NMI	0.866	0.2115	0.0117
SENP2	0.768	0.2116	0.0018
ATP11A	0.775	0.2117	0.0011
RALGPS1	0.78	0.2117	0.002
SNX2	0.911	0.2117	0.0377
HSD17B1	0.875	0.2118	0.0085
RARA	0.863	0.212	0.0103
FKBP10	0.597	0.212	<0.0001
NDUFS5	0.892	0.2121	0.042
LOC390705	0.744	0.2121	0.0428
DGKD	0.901	0.2122	0.0177
SRRM3	0.824	0.2122	0.0302
RNA5SP101	0	0.2125	0.0015
TMEM216	0.624	0.2126	0.0018
CDH8	0.917	0.2126	0.0298
GACAT2	0	0.2127	0.0066
RNU7-50P	0	0.2128	0.0035
TUBGCP2	0.794	0.213	0.0028
PCYOX1L	0.829	0.2131	0.0054
MIR6815	0	0.2131	0.0064
SLC35F5	0.802	0.2133	0.0032
AFF3	0.836	0.2135	0.0038
RGL2	0.852	0.2136	0.0088
CAPN12	0.893	0.2136	0.0263
C9orf57	0.757	0.2138	0.0026

TMEM126B	0.832	0.2138	0.006
AIP	0.868	0.2138	0.0067
GAR1	0.861	0.2138	0.0203
LOC101928371	0.156	0.214	0.0001
SLC47A2	0.779	0.214	0.0039
RPL37P1	0	0.214	0.0054
MIR5192	0	0.2141	0.0062
LAMP2	0.918	0.2142	0.03
ETV1	0.81	0.2143	0.0014
PPDPF	0.669	0.2143	0.0017
LINC01050	0	0.2144	0.0061
CCL8	0.888	0.2145	0.0114
TRAK1	0.892	0.2145	0.0207
DDIT4	0.817	0.2146	0.0016
GDI2	0.907	0.2146	0.0212
C5orf15	0.84	0.2147	0.004
EIF4A1P2	0.309	0.2148	0.0013
POLL	0.828	0.2148	0.005
CNTD1	0.874	0.2148	0.0146
SNORD114-28	0.455	0.2149	0.002
RNU4-25P	0.468	0.2149	0.0025
CCNG1	0.869	0.2149	0.0066
HAUS8	0.789	0.2149	0.0078
BTBD8	0.858	0.2149	0.0113
HPCAL1	0.897	0.2149	0.016
CATSPER1	0.762	0.215	0.0013
CINP	0.855	0.2152	0.0112
ZNF624	0.856	0.2152	0.0258
GDE1	0.678	0.2153	0.0004
SPEF2	0.821	0.2153	0.0088
KLHDC8A	0.771	0.2154	0.0011
EPHB4	0.849	0.2154	0.0037
TPRXL	0.654	0.2155	0.0011

C6orf223	0.766	0.2155	0.0072
ZNF225	0.81	0.2156	0.0047
LOC101929224	0	0.2157	<0.0001
USE1	0.813	0.2158	0.0056
ANGEL1	0.917	0.2158	0.0313
RNU6-665P	0	0.2159	0.0027
ARHGAP35	0.77	0.216	0.0333
RNU6-1311P	0	0.2161	0.0026
POTEG	0.441	0.2161	<0.0001
CNMD	0	0.2162	0.0043
MIR5094	0	0.2162	0.0043
H3F3B	0.801	0.2162	0.0058
RNF139	0.809	0.2163	0.0032
MAGEE1	0.873	0.2163	0.0141
ZNF845	0.808	0.2163	0.0481
PITPNC1	0.716	0.2164	0.0004
GUCY1B2	0.709	0.2164	0.001
LPIN1	0.899	0.2164	0.0142
TNFRSF18	0.881	0.2164	0.0267
SNORA73A	0	0.2164	0.0279
GSTO2	0.808	0.2165	0.003
CLEC16A	0.911	0.2165	0.036
DENND2C	0.901	0.2166	0.033
AKAP14	0.758	0.2167	0.0011
ADGRF1	0.008	0.2167	0.003
RPS26P34	0	0.2167	0.0048
FRS2	0.865	0.2167	0.0071
SHC4	0.107	0.2167	<0.0001
PPP2R5E	0.892	0.2168	0.0194
SPG11	0.875	0.2169	0.0166
UBE2J2	0.841	0.217	0.0124
SEMA6C	0.885	0.217	0.0178
HRH1	0.921	0.217	0.0292

SPATA17-AS1	0	0.2171	0.0055
UPRT	0.849	0.2171	0.0148
TKTL1	0.748	0.2172	0.0005
RTN1	0.829	0.2172	0.0038
RSAD1	0.831	0.2172	0.0052
FDXACB1	0.844	0.2172	0.0249
RUFY2	0.897	0.2172	0.0278
LOC101929384	0	0.2172	<0.0001
RPL31P2	0	0.2173	0.0047
PGF	0.883	0.2173	0.0132
LYPD6	0.534	0.2173	<0.0001
VAPB	0.854	0.2176	0.009
MEIS1	0.917	0.2178	0.0252
BTN2A3P	0.766	0.2179	0.0455
ASTN2	0.802	0.218	0.0012
UCN2	0.777	0.2181	0.004
NCS1	0.8	0.2182	0.0148
ARPC5L	0.889	0.2183	0.0177
PMS1	0.879	0.2184	0.0159
OR10D3	0.601	0.2184	0.0199
PWRN4	0.417	0.2185	0.0053
POTED	0.346	0.2186	<0.0001
TMEM135	0.788	0.2187	0.0018
MAPK7	0.855	0.2187	0.0038
LINCMD1	0	0.2188	0.0052
UVRAG	0.86	0.2189	0.0079
CDKL5	0.885	0.2189	0.0098
YPEL5	0.849	0.2191	0.0079
RNU2-40P	0	0.2192	0.0023
DLK2	0.868	0.2192	0.0083
POLR3H	0.782	0.2194	0.0038
ZNF510	0.855	0.2195	0.0085
CHST6	0.796	0.2196	0.0022

PSPC1	0.822	0.2196	0.0043
FAM215A	0.654	0.2196	0.017
TRIM55	0.872	0.2196	0.0217
DCST2	0.818	0.2197	0.0059
TIMM21	0.749	0.2199	0.0421
ZNF610	0.772	0.22	0.0029
CBX6	0.801	0.2201	0.0008
MED28	0.833	0.2201	0.0027
DENND1B	0.788	0.2202	0.0019
PRR14	0.874	0.2204	0.0141
PI4KA	0.815	0.2204	0.0218
LTV1	0.903	0.2206	0.031
SPIN2B	0.805	0.2207	0.0442
SCP2D1	0.189	0.2207	<0.0001
ACVRL1	0.923	0.2208	0.0307
RN7SKP114	0	0.2209	0.0021
VLDLR	0.823	0.2209	0.0028
ARRDC2	0.856	0.2209	0.0081
LNPEP	0.874	0.221	0.0057
BMP2	0.867	0.2211	0.0049
CLOCK	0.895	0.2211	0.0116
RN7SL170P	0	0.2212	0.0021
ZNF180	0.807	0.2212	0.0027
SLC12A1	0.832	0.2212	0.0032
MBTPS2	0.845	0.2212	0.0037
IGFBPL1	0.749	0.2213	0.0011
SPTA1	0.862	0.2213	0.0068
SNORD35A	0.512	0.2214	0.0324
GALNT5	0.697	0.2215	0.0002
RNU6-1305P	0	0.2215	0.0021
FLII	0.843	0.2215	0.0023
WIF1	0.463	0.2215	<0.0001
SNORD1A	0.439	0.2216	0.0089

TSPY3	0.28	0.2217	0.0003
GNAI3	0.931	0.2217	0.0417
TRIOBP	0.923	0.2217	0.0459
DNAL1	0.77	0.2218	0.0011
CT47A11	0.24	0.2218	0.0036
PARP10	0.853	0.2218	0.0137
OXCT1	0.804	0.2219	0.0015
LINC01288	0.039	0.2219	0.0038
TUBGCP5	0.806	0.2219	0.004
RN7SKP214	0	0.2221	0.002
HNRNPF	0.783	0.2221	0.0023
PLEKHG6	0.852	0.2222	0.0084
MYLK2	0.867	0.2222	0.0142
RHOG	0.891	0.2222	0.016
COL4A5	0.838	0.2223	0.0021
TSNARE1	0.802	0.2223	0.0045
PNMA5	0.404	0.2224	<0.0001
PHF13	0.733	0.2225	0.0012
SH2B2	0.873	0.2225	0.01
SPTLC2	0.899	0.2225	0.0191
RPL26P35	0	0.2226	0.0038
ZNF292	0.92	0.2226	0.0452
BCAR3	0.766	0.2227	0.0002
RNU6ATAC27P	0	0.2227	0.0044
RGS20	0.765	0.2228	0.001
MPHOSPH6	0.849	0.2228	0.0047
LINC01499	0	0.2229	0.0044
KRIT1	0.917	0.2229	0.0228
FAM135A	0.829	0.223	0.003
RAET1E	0.793	0.223	0.0036
CCNYL1	0.826	0.223	0.0039
TP53I11	0.87	0.223	0.0084
RTP4	0.867	0.223	0.0104

POSTN	0.879	0.223	0.0111
FCGBP	0.827	0.2231	0.0025
DCX	0.872	0.2231	0.0051
EPM2AIP1	0.929	0.2231	0.0388
LINC01907	0	0.2232	0.0032
KRT8P13	0.193	0.2232	0.0037
ZNF550	0.855	0.2233	0.0097
ADORA2B	0.843	0.2234	0.0021
TP53	0.812	0.2234	0.0032
TRMT2A	0.795	0.2234	0.0075
ZNF81	0.918	0.2234	0.041
SERINC2	0.663	0.2235	0.0002
SSH1	0.855	0.2235	0.0074
DOCK4	0.928	0.2235	0.0337
LOC79999	0	0.2235	<0.0001
PITRM1	0.805	0.2236	0.002
FAN1	0.772	0.2236	0.0114
SCYL3	0.887	0.2236	0.0135
E2F4	0.915	0.2236	0.0223
MIR8058	0.131	0.2237	0.0043
TSFM	0.853	0.2238	0.0049
TMEM144	0.772	0.2239	0.0009
ZNF578	0.722	0.2239	0.0015
RPL3P6	0.304	0.2239	0.0036
LOC100233156	0.223	0.2239	0.0206
TFDP3	0.611	0.2239	<0.0001
RN7SL393P	0	0.224	0.0018
DOHH	0.843	0.224	0.003
B3GNT3	0.707	0.2241	0.0002
OR52E8	0.416	0.2241	<0.0001
RNU6-1206P	0	0.2244	0.0018
KRTAP5-7	0.736	0.2244	0.0033
PFDN5	0.924	0.2244	0.0434

EHF	0.779	0.2245	0.0005
AGT	0.856	0.2246	0.0034
CASP3	0.925	0.2247	0.0353
LMAN2L	0.803	0.2248	0.0009
DGAT1	0.813	0.2248	0.0016
RNU7-160P	0	0.2248	0.0018
MRFAP1	0.772	0.2248	0.0023
CFAP100	0.198	0.2248	0.0036
MIR5691	0	0.2248	0.0041
DSCR4	0.759	0.2249	0.0003
M6PR	0.878	0.2249	0.0087
PGAM2	0.844	0.225	0.0123
RHPN1	0.854	0.225	0.0123
MAGEA2B	0.746	0.225	0.0183
CTSH	0.878	0.2251	0.0087
AIFM3	0.827	0.2252	0.0031
FAM192A	0.692	0.2252	0.0061
RABL6	0.795	0.2253	0.0434
TCP11L1	0.794	0.2254	0.0017
SLN	0.876	0.2254	0.0104
CACNB4	0.827	0.2255	0.0015
S100A11	0.867	0.2255	0.0069
C11orf45	0.82	0.2256	0.0068
CCDC188	0	0.2257	0.0036
UBQLN2	0.808	0.2258	0.0021
SRP68P2	0	0.2258	0.0033
TMEM161B	0.858	0.2258	0.0138
MED13	0.853	0.2259	0.0049
VPS41	0.892	0.2259	0.015
LETM1P2	0	0.2261	0.004
NKX2-2	0.807	0.2264	0.0017
TMEM61	0.806	0.2264	0.0046
CRYGS	0.836	0.2264	0.0073

NOL3	0.905	0.2264	0.0217
CDS1	0.839	0.2266	0.0018
RPRML	0.803	0.2266	0.0052
LOC101927950	0.31	0.2266	<0.0001
SULT1C3	0.575	0.2267	0.0007
CORO1C	0.886	0.2267	0.0092
SOAT2	0.781	0.2268	0.0009
RAB7A	0.817	0.2268	0.0041
GPX1	0.753	0.2269	0.0007
LPCAT4	0.766	0.227	0.0016
SLC25A3P2	0	0.227	0.0032
LOC199882	0.13	0.2271	0.0222
HDLBP	0.838	0.2272	0.0017
RHBDL1	0.839	0.2273	0.0044
ADRA2C	0.885	0.2274	0.0104
SERPINB9P1	0.593	0.2274	0.0345
ZNF79	0.705	0.2275	0.0001
RPL21P54	0.303	0.2277	0.0031
RPL18A	0.827	0.2277	0.0282
OFD1	0.875	0.2279	0.011
AXIN1	0.801	0.228	0.0005
NDOR1	0.843	0.228	0.0051
TPRN	0.804	0.228	0.0163
SNORA22	0.259	0.228	<0.0001
WDR54	0.856	0.2281	0.0116
LINC01029	0	0.2282	<0.0001
MRPL15P1	0	0.2283	0.003
BCCIP	0.876	0.2283	0.0062
RPL5	0.874	0.2283	0.0417
RN7SL845P	0	0.2284	0.0015
TIA1	0.926	0.2284	0.0382
VHL	0.905	0.2288	0.0201
DNM3-IT1	0	0.2289	0.0011

WDR88	0.91	0.2289	0.0402
CHCHD5	0.743	0.229	0.0004
SLC25A1	0.811	0.229	0.0015
LINC00200	0.414	0.2291	0.0003
IZUMO1	0.763	0.2291	0.0007
DYNLT3	0.81	0.2291	0.0007
ZNF284	0.892	0.2293	0.0289
ZNF558	0.911	0.2293	0.0436
LGALS1	0.81	0.2294	0.0006
LRRC31	0.808	0.2294	0.0009
RNA5SP342	0	0.2294	0.0016
BRD2	0.882	0.2294	0.0055
RBMY1F	0.542	0.2294	0.01
C2CD4A	0.77	0.2295	0.0032
ARHGEF19	0.846	0.2295	0.0046
H2AFJ	0.747	0.2296	0.0006
MAP2K6	0.86	0.2298	0.0029
REG3G	0.56	0.2301	<0.0001
TMEM171	0.521	0.2303	<0.0001
RN7SL151P	0	0.2305	0.0032
DDX53	0.842	0.2305	0.0049
CUL1	0.915	0.2305	0.0174
SDHAF1	0.774	0.2306	0.009
LINC00958	0.604	0.2306	0.0273
SNRNP48	0.877	0.2307	0.0418
MIR6856	0	0.2308	0.0032
LEPROT	0.901	0.2308	0.0143
KIAA0895	0.828	0.231	0.0033
ELK3	0.914	0.231	0.0177
PRMT7	0.748	0.2311	0.0003
RPL31	0.875	0.2311	0.0092
ACSL6	0.824	0.2313	0.0012
PPP1R14C	0.552	0.2313	<0.0001

OR52K3P	0.728	0.2314	0.0093
CT45A2	0	0.2314	0.014
ASCL5	0.787	0.2314	0.0187
KCNK9	0.853	0.2316	0.0053
METTL15	0.699	0.2316	0.0116
MIR4458HG	0.033	0.2319	0.0022
MLLT6	0.833	0.232	0.0111
TMEM39B	0.778	0.2321	0.0007
XKR3	0.437	0.2321	<0.0001
LGI2	0.83	0.2322	0.0013
TNFRSF12A	0.922	0.2322	0.0301
RNU6-1310P	0	0.2323	0.0012
MYL6P2	0	0.2323	0.0025
RBMY1D	0.207	0.2324	0.0062
CASP12	0.735	0.2325	0.0025
ELOVL3	0.841	0.2325	0.0041
ZFP30	0.751	0.2326	0.0006
CMTM8	0.757	0.2327	0.0003
STAU1	0.883	0.2327	0.0093
RNU6-695P	0.47	0.2328	0.0012
TRPC4AP	0.904	0.2328	0.0216
DEDD2	0.47	0.2328	<0.0001
RABGAP1L	0.845	0.2329	0.003
FOXO4	0.883	0.2329	0.007
GPR176	0.915	0.233	0.0169
MFAP2	0.829	0.2331	0.0009
HCG4P8	0	0.2331	0.0024
HERC2P8	0	0.2331	0.0024
CTNBL1	0.856	0.2331	0.003
VCAN-AS1	0.226	0.2333	0.0009
RARRES1	0.739	0.2335	0.0003
PITX2	0.853	0.2335	0.0062
PCDHGB3	0.347	0.2335	<0.0001

ITPKC	0.859	0.2336	0.0031
SPATS2L	0.887	0.2336	0.0421
GSTO3P	0	0.2341	0.0011
HIST1H2AA	0.724	0.2341	0.0018
CALCB	0.871	0.2341	0.0042
TMPRSS9	0.671	0.2342	0.0006
NBPF4	0.831	0.2343	0.0096
ZNF222	0.693	0.2343	<0.0001
ZNF562	0.81	0.2345	0.0013
SLC39A9	0.809	0.2345	0.0015
PTBP1P	0	0.2345	0.0023
ANKHD1-EIF4EBP3	0.725	0.2345	0.0122
RASGRF1	0.839	0.2346	0.0022
GAGE12J	0	0.2346	<0.0001
MLX	0.747	0.2347	0.0003
SLC38A1	0.786	0.2347	0.0007
GRIA2	0.825	0.2347	0.0008
TEKT5	0.472	0.2347	<0.0001
TMEM38A	0.706	0.235	0.0003
USP28	0.85	0.235	0.0088
CD59	0.897	0.2352	0.008
HAPLN3	0.755	0.2353	0.0004
CCDC96	0.9	0.2353	0.0184
SIX2	0.876	0.2354	0.0092
C18orf25	0.9	0.2354	0.0124
GNA13	0.918	0.2354	0.017
DENND6B	0.749	0.2355	0.0233
SNORA59B	0.449	0.2355	<0.0001
METTL8	0.615	0.2356	<0.0001
CSNK1G2	0.906	0.2357	0.0105
SPAG6	0.699	0.2358	<0.0001
GRM7-AS3	0.367	0.2359	0.0008
OR7E43P	0.358	0.2359	0.001

SFXN4	0.836	0.236	0.0075
TBKBP1	0.887	0.2361	0.0114
ARL16	0.896	0.2362	0.0191
PLEKHM2	0.715	0.2363	0.0001
GRM5-AS1	0	0.2363	0.0007
LINC01031	0	0.2364	0.002
C22orf39	0.515	0.2364	<0.0001
PAPPA2	0.674	0.2365	<0.0001
GSTA9P	0.452	0.2366	0.0023
LRRC8A	0.813	0.2367	0.0014
MRPS28	0.827	0.2367	0.0025
AP2A1	0.836	0.2367	0.0027
NEK3	0.886	0.2367	0.0083
SLC7A14	0.565	0.2367	<0.0001
SH3GL3	0.801	0.2368	0.0007
HNRNPA1P6	0	0.2368	0.0021
INO80E	0.87	0.2368	0.0187
TAF1	0.928	0.2368	0.0324
OCLM	0.743	0.2369	0.0014
MICA	0.89	0.2369	0.0088
RPS6KB1	0.893	0.2369	0.0119
RBPM52	0.762	0.237	0.001
HOXA6	0.872	0.237	0.0044
PLOD2	0.879	0.237	0.0068
NACA2	0.747	0.2372	0.0009
TPCN1	0.858	0.2372	0.0045
GNL1	0.91	0.2373	0.0119
DGKZ	0.928	0.2373	0.0232
URB1-AS1	0.081	0.2374	0.0011
LY6K	0.774	0.2375	0.0006
RPS20P32	0	0.2375	0.0008
CEP57L1P1	0.223	0.2375	0.0011
NDUFS4	0.865	0.2375	0.0058

KRT17	0.87	0.2375	0.007
HOXA3	0.891	0.2376	0.007
SMN2	0.732	0.2376	0.0085
GPR161	0.805	0.2378	0.0011
RPS6KA4	0.85	0.2378	0.0036
DGUOK	0.892	0.2378	0.0059
PGBD2	0.919	0.2378	0.0464
FRZB	0.878	0.2379	0.0035
TRHDE	0.499	0.2379	<0.0001
CXCL5	0.735	0.2379	<0.0001
ZBED2	0.757	0.238	0.0003
SNAP29	0.856	0.238	0.0045
NDUFB7	0.87	0.238	0.0049
SNORD55	0.49	0.2381	0.0005
SLC9A3P3	0	0.2381	0.002
P2RY2	0.871	0.2381	0.0058
ZNF557	0.884	0.2382	0.0095
ZC3H15	0.901	0.2382	0.014
CNOT1	0.811	0.2384	0.0005
WWP1P1	0	0.2385	0.0009
ABI2	0.88	0.2385	0.0042
ARHGAP5	0.903	0.2385	0.0095
NCK1	0.913	0.2385	0.0192
SUFU	0.798	0.2386	0.0025
NT5DC3	0.882	0.2387	0.01
MIR6833	0	0.2388	0.0023
STK19	0.781	0.2389	0.0009
NMNAT3	0.867	0.239	0.0113
CAPN8	0.644	0.2391	<0.0001
ETF1	0.924	0.2392	0.0201
NDUFB5	0.906	0.2393	0.0216
ATP6V1B1	0.856	0.2397	0.0018
LINC01511	0	0.2397	0.0022

GULP1	0.716	0.2397	<0.0001
SPG21	0.841	0.2398	0.0024
PIGK	0.871	0.2398	0.0049
PGBD4P3	0	0.2399	0.0018
B4GALT4	0.887	0.2399	0.0062
KIAA1614	0.907	0.2399	0.0141
LIN7B	0.77	0.24	0.0002
FAM98A	0.883	0.24	0.0058
OR13A1	0.491	0.24	<0.0001
RPL27A	0.902	0.2401	0.0187
AKR1C1	0.793	0.2403	0.0005
CSTL1	0.562	0.2403	<0.0001
POLR2B	0.889	0.2404	0.0126
ENPP6	0.37	0.2404	<0.0001
RGMA	0.816	0.2405	0.0031
HP1BP3	0.924	0.2405	0.0217
PRAMEF6	0.458	0.2405	<0.0001
UGT8	0.757	0.2406	0.0001
RILPL1	0.855	0.2406	0.0185
LSM3P3	0	0.2407	0.0008
SNORD28	0.344	0.2407	0.0017
CDC42SE2	0.899	0.2407	0.0111
MIR1269A	0.308	0.2408	0.001
LINC00494	0.443	0.2408	<0.0001
MIR8055	0	0.2409	0.0021
DNASE2B	0.795	0.241	0.0003
LGALS4	0.795	0.2411	0.0002
CARD10	0.835	0.2411	0.001
FAXC	0.619	0.2412	0.0074
MCCD1	0.717	0.2413	0.0007
RRM2B	0.866	0.2413	0.0097
NOLC1	0.918	0.2413	0.0213
NAALADL1	0.596	0.2413	<0.0001

ST13P15	0	0.2414	0.0017
EMC9	0.695	0.2414	0.0102
ARL3	0.91	0.2414	0.0111
GIGYF1	0.911	0.2415	0.0365
FARSA-AS1	0	0.2416	0.002
GAP43	0.882	0.2416	0.004
OLFM2	0.7	0.2419	0.0002
ANKRD50	0.772	0.2419	0.0004
ZNF793	0.781	0.2419	0.0016
SHROOM2P1	0.46	0.2419	0.0017
DPP4	0.868	0.2419	0.0022
MBD6	0.93	0.2419	0.0385
LINC00339	0.259	0.2419	<0.0001
MRPL2	0.707	0.2419	<0.0001
PRPF18	0.88	0.242	0.0086
IL1RAPL1	0.705	0.242	<0.0001
SNORA65	0.775	0.2421	0.0052
CCR8	0.899	0.2421	0.0099
TUBA3E	0.638	0.2422	0.0006
LINC00278	0.475	0.2424	0.0004
INIP	0.591	0.2424	0.0081
NAA15	0.81	0.2424	0.0083
LOC101928009	0	0.2425	<0.0001
LINC01096	0.419	0.2425	<0.0001
OR11N1P	0	0.2426	0.0005
MRPS35	0.866	0.2426	0.0052
XRCC5	0.916	0.2426	0.0195
ZNF639	0.679	0.2426	<0.0001
TCF12	0.864	0.2427	0.004
PLCH1	0.751	0.2428	0.0003
RN7SL706P	0	0.2429	0.0007
ZNF230	0.734	0.243	0.0002
NME3	0.792	0.2431	0.0004

MSH4	0.602	0.2431	<0.0001
EMC10	0.832	0.2432	0.048
HMGB3P20	0	0.2433	0.0007
EIF3L	0.759	0.2433	0.0008
CPNE5	0.88	0.2433	0.0073
HCCS	0.928	0.2433	0.0186
TNFRSF9	0.863	0.2434	0.0033
ZNF679	0.547	0.2436	0.0006
HPS6	0.881	0.2436	0.0044
SP8	0.84	0.2436	0.0063
TMEM119	0.688	0.2438	0.0001
DAB2IP	0.78	0.244	0.0005
GPR4	0.86	0.244	0.0019
FGF19	0.639	0.244	<0.0001
RHOQ	0.791	0.2442	0.0007
TRAV18	0	0.2442	0.0012
AKAP1	0.919	0.2443	0.0125
PPP5C	0.845	0.2445	0.0017
GFM2	0.839	0.2445	0.0021
SRSF3	0.793	0.2445	0.0104
ABCA4	0.78	0.2445	<0.0001
TSC22D4	0.769	0.2446	0.0003
C19orf57	0.928	0.2447	0.0236
GPR37L1	0.787	0.2449	0.0002
WDR48	0.776	0.2449	0.0006
MYNN	0.807	0.2449	0.0012
FAM149B1	0.868	0.2451	0.0098
DPP10-AS3	0.282	0.2452	<0.0001
LOC644554	0.261	0.2453	0.0026
CYP19A1	0.864	0.2453	0.0028
RAPGEF6	0.874	0.2453	0.0053
LOC101929657	0	0.2453	<0.0001
PEF1	0.637	0.2453	<0.0001

ADAMTS19-AS1	0	0.2454	0.0017
INPP5J	0.814	0.2454	0.0025
TMEM107	0.883	0.2454	0.015
AHCYL1	0.871	0.2455	0.0022
UTRN	0.718	0.2455	<0.0001
GPC5-IT1	0	0.2456	0.0006
HLA-G	0.912	0.2456	0.0117
RNU6-190P	0.335	0.2457	0.0007
HMGB1P16	0	0.2458	0.0014
GRPEL2-AS1	0	0.2458	0.0017
VAMP1	0.935	0.2458	0.0341
ADAMTS18	0.827	0.2459	0.0013
MIR7849	0	0.2459	0.0017
CTDSP2	0.917	0.2459	0.0133
NPEPL1	0.932	0.2459	0.0354
RPS2P46	0	0.2461	0.0014
BRAF	0.887	0.2463	0.0047
FBLL1	0.691	0.2463	0.0116
NANOGP1	0.74	0.2463	0.0149
LRRC24	0.846	0.2463	0.0447
TMEM60	0.823	0.2466	0.0028
SNHG12	0.679	0.2467	0.025
FOXP1	0.936	0.2467	0.0342
LOC442028	0.341	0.2468	0.0004
NSUN3	0.778	0.2469	0.0003
KIAA0355	0.877	0.2469	0.0026
ZNF169	0.908	0.2469	0.0273
MAGEA4	0.83	0.247	0.0005
HMGB1P46	0	0.247	0.0013
JOSD1	0.863	0.247	0.0017
RFX6	0.616	0.2471	0.0002
SLC29A4	0.67	0.2471	0.0003
MIR5687	0.095	0.2471	0.0012

HNRNPKP5	0	0.2471	0.0013
DTX2P1-UPK3BP1-PMS2P11	0.653	0.2472	0.0347
ZDHHC14	0.727	0.2472	<0.0001
GP2	0.801	0.2473	0.0002
KRT8P3	0.241	0.2473	0.0013
OR51E2	0.878	0.2473	0.0076
C20orf144	0.917	0.2473	0.0265
NUTM2A-AS1	0.321	0.2473	<0.0001
MALL	0.829	0.2474	0.0005
DDHD1	0.84	0.2474	0.0019
KRTAP5-6	0.86	0.2474	0.0109
BTF3L4	0.842	0.2478	0.0027
CREB1	0.896	0.2478	0.005
CA4	0.876	0.2479	0.0022
RGS9BP	0.817	0.2479	0.0023
PLCB4	0.818	0.248	0.0006
DIRAS1	0.858	0.248	0.0025
MYH4	0.854	0.248	0.0033
ZNF674	0.857	0.248	0.0072
PGAM5	0.865	0.248	0.0114
MED14	0.781	0.2481	0.0004
DSCR9	0.844	0.2481	0.0085
ALOX15B	0.833	0.2482	0.0004
FTH1P14	0.169	0.2482	0.0006
FAM89B	0.933	0.2482	0.0264
SKIV2L	0.908	0.2483	0.0124
SPTY2D1	0.853	0.2485	0.0061
HDDC2	0.807	0.2486	0.0003
RPL12	0.814	0.2486	0.0025
RNF17	0.713	0.2486	<0.0001
TFB2M	0.831	0.2487	0.0014
PSMB9	0.895	0.2487	0.0101
HSPA2	0.932	0.2487	0.0211

DNER	0.526	0.2488	<0.0001
TMEM87A	0.709	0.2488	<0.0001
ZNF70	0.711	0.2489	0.0002
DEFA8P	0	0.249	0.0006
PPT2	0.904	0.2492	0.0254
RPL14	0.859	0.2494	0.0037
EFNB2	0.906	0.2494	0.0072
CHMP6	0.882	0.2495	0.0036
RASSF1-AS1	0.016	0.2495	<0.0001
APLP1	0.822	0.2496	0.0003
DMBT1	0.82	0.2501	0.0003
RNU7-48P	0.2	0.2501	0.0004
MICAL1	0.815	0.2501	0.0005
ATG4C	0.857	0.2501	0.0029
LINC01547	0	0.2502	0.0006
PPP1R3F	0.764	0.2503	0.0012
TMEM17	0.863	0.2503	0.0076
RNU6-228P	0.183	0.2504	0.0005
THAP3	0.85	0.2504	0.0023
SPATA21	0.842	0.2504	0.005
BDKRB2	0.921	0.2505	0.0115
RNU6-431P	0	0.2506	0.0005
MMP3	0.864	0.2506	0.0032
CCDC71	0.884	0.2506	0.0037
TGFBRAP1	0.891	0.2508	0.0061
LINC01268	0.154	0.2508	<0.0001
ARNTL2	0.888	0.2509	0.0032
RBPJ	0.862	0.2509	0.0036
SLC5A6	0.893	0.251	0.0069
RNU4-40P	0	0.2511	0.0005
POM121	0.868	0.2511	0.0076
RN7SKP55	0	0.2512	0.0005
RAP2B	0.892	0.2512	0.0091

DNASE1	0.868	0.2513	0.002
UBE2F	0.827	0.2513	0.0029
RCOR1	0.918	0.2513	0.0169
CD99	0.929	0.2513	0.0195
SPATA17	0.641	0.2514	<0.0001
PPA1	0.853	0.2516	0.0026
RANBP3	0.872	0.2517	0.0032
HSD17B14	0.81	0.2519	0.0003
PCDH12	0.897	0.2519	0.0097
MAPK13	0.829	0.252	0.0008
PLCD3	0.833	0.252	0.0028
ABHD14A	0.778	0.2521	0.0014
TMEM186	0.763	0.2522	0.0003
NSUN4	0.695	0.2523	0.0001
TOMM22P5	0	0.2523	0.0005
HERC1	0.893	0.2524	0.004
TFDP1	0.867	0.2524	0.0051
RNU6ATAC8P	0.081	0.2525	0.0004
DIABLO	0.909	0.2526	0.0082
GSR	0.896	0.2527	0.0042
C22orf23	0.924	0.2527	0.0287
ODF2	0.84	0.2528	0.0015
PDCD6IP	0.856	0.2528	0.0028
CAPN10	0.904	0.2528	0.0072
SKIDA1	0.731	0.2529	0.0231
ZNF501	0.772	0.253	0.0009
STRAP	0.886	0.2531	0.0053
ZNF397	0.858	0.2531	0.0057
KRBA1	0.869	0.2532	0.0057
NAT14	0.769	0.2533	0.0005
TCTN2	0.861	0.2533	0.0043
CHORDC2P	0	0.2534	0.001
MAN2A1	0.939	0.2534	0.0254

BEX2	0.832	0.2535	0.0013
PCSK1N	0.775	0.2536	0.0001
MCOLN3	0.729	0.2537	<0.0001
PLA2G6	0.869	0.2538	0.0036
STIM1	0.915	0.2538	0.0143
GRP	0.843	0.2539	0.0006
HNRNPA0	0.898	0.254	0.0077
MYO6	0.812	0.2541	0.0004
ADAM12	0.897	0.2541	0.004
CXXC1	0.901	0.2542	0.0058
RMDN1	0.409	0.2542	<0.0001
RNU6-383P	0.352	0.2544	0.0004
N6AMT1	0.891	0.2545	0.0084
FUNDC2	0.519	0.2545	<0.0001
EEF1B2P1	0.155	0.2546	0.0001
ST6GALNAC5	0.658	0.2546	<0.0001
HMGB1P4	0.473	0.2547	0.0001
ZNF774	0.84	0.2547	0.0127
SIN3B	0.918	0.2547	0.0191
RNU6-942P	0	0.2548	0.0004
PDPK1	0.941	0.2548	0.0364
ZNF527	0.727	0.255	0.0003
ZIC1	0.899	0.255	0.0083
TNFAIP6	0.816	0.2551	0.0005
PXN	0.865	0.2551	0.0022
PPM1M	0.699	0.2551	<0.0001
ITGAE	0.859	0.2552	0.0008
LINC00972	0.318	0.2552	0.0011
VPS26B	0.79	0.2553	0.0009
TMEM167B	0.732	0.2554	0.0015
PLEKHJ1	0.571	0.2555	<0.0001
TMED3	0.882	0.2557	0.006
UBE2W	0.795	0.2558	0.0004

RNU6-354P	0	0.2559	0.0004
GAGE13	0	0.2559	0.0025
SNRPGP14	0.42	0.256	0.0009
PAQR5	0.839	0.256	0.0014
PFKP	0.799	0.2562	0.0002
ZNF768	0.735	0.2562	0.001
LMF2	0.623	0.2564	<0.0001
C3orf38	0.873	0.2565	0.0056
LZTS3	0.762	0.2565	0.0149
LYPLA1	0.811	0.2567	0.0002
MOSPD3	0.783	0.2568	0.0002
SLC22A4	0.835	0.2568	0.001
EEFSEC	0.559	0.2568	<0.0001
MRFAP1L1	0.75	0.2568	<0.0001
BAD	0.801	0.257	0.0003
GDAP2	0.859	0.2571	0.0014
CDV3	0.895	0.2571	0.0045
SLIRP	0.664	0.2572	0.0017
MCF2L	0.883	0.2572	0.002
FBRS	0.889	0.2573	0.0075
LOC101593348	0	0.2573	<0.0001
TRAPPC2L	0.802	0.2574	0.0005
PSME4	0.867	0.2574	0.0023
ARIH1	0.82	0.2575	0.0004
BAMBI	0.781	0.2575	<0.0001
MIR4795	0	0.2577	0.0003
KARS	0.84	0.2578	0.0007
CISD1	0.826	0.2578	0.0008
TEAD4	0.884	0.258	0.0039
ANKRD23	0.889	0.258	0.009
RNU6-658P	0	0.2581	0.0003
CNTD2	0.84	0.2581	0.0005
HERC2P5	0.13	0.2581	0.0008

REG1B	0.813	0.2582	0.0004
RAB28	0.85	0.2582	0.0012
LOC101928068	0.361	0.2582	<0.0001
RPS24P12	0	0.2583	0.0008
ZNF821	0.832	0.2583	0.0038
DDX39BP1	0	0.2584	0.0008
GPC6-AS1	0.196	0.2586	0.0002
SPDYA	0.832	0.2586	0.0024
MAEA	0.926	0.2586	0.0342
PRR14L	0.827	0.2587	0.0188
EEF1A1P42	0.717	0.2587	0.021
XKRX	0.578	0.2587	<0.0001
ZNF408	0.749	0.2587	<0.0001
TRIM41	0.926	0.2588	0.0353
TRDJ2	0.175	0.2589	0.0008
C7orf26	0.852	0.2589	0.0011
RFK	0.864	0.2589	0.0021
CNOT8	0.812	0.259	0.0002
SH3D21	0.769	0.259	0.0074
ZNF813	0.869	0.2591	0.0114
DUOX2	0.603	0.2591	<0.0001
PLAA	0.813	0.2592	0.0006
GDF9	0.845	0.2594	0.0013
RPL36AP6	0	0.2595	0.0003
RNU7-10P	0	0.2595	0.0004
SERINC5	0.737	0.2595	<0.0001
RRNAD1	0.502	0.2597	0.0001
HK2	0.848	0.2599	0.0005
ZNF479	0.717	0.2599	0.003
DCAKD	0.719	0.2599	<0.0001
MIR5194	0	0.2601	0.0009
ERICH4	0.671	0.2601	0.0349
RYR2	0.752	0.2601	<0.0001

CASKIN1	0.835	0.2602	0.0016
DUS2	0.813	0.2602	0.0495
WBP11	0.823	0.2604	0.0007
TRIM4	0.827	0.2608	0.0017
OGFOD3	0.776	0.2608	0.0178
LOC101927914	0.159	0.2609	<0.0001
CFAP47	0	0.2613	0.0004
FEM1A	0.866	0.2613	0.0026
SEMA7A	0.881	0.2613	0.004
NDUFB4	0.877	0.2613	0.0059
BET1L	0.763	0.2613	<0.0001
MFAP5	0.861	0.2614	0.0006
DHCR24	0.863	0.2615	0.0008
SLC6A14	0.832	0.2616	0.0008
ELMO2	0.867	0.2616	0.0012
ZNF324B	0.828	0.2617	0.0023
PPEF1	0.822	0.2618	0.0005
TSPY4	0	0.2618	0.0029
HIP1R	0.802	0.2619	0.0002
FEM1B	0.915	0.262	0.0087
SSBP4	0.776	0.2621	0.0005
CHFR	0.863	0.2621	0.0011
ASCC2	0.762	0.2621	<0.0001
HS6ST2	0.689	0.2622	<0.0001
IMPA1	0.921	0.2623	0.0086
RNA5SP40	0.461	0.2623	<0.0001
LINC00173	0.496	0.2623	<0.0001
CCDC121	0.873	0.2624	0.0014
NRXN3	0.836	0.2626	0.0006
ZFYVE19	0.763	0.2627	0.0003
FAM86MP	0.346	0.2628	0.0003
PSMA5	0.938	0.2628	0.0287
PARD3B	0.832	0.2629	0.002

XAB2	0.706	0.2629	<0.0001
YIPF2	0.806	0.263	0.0007
RPS2P32	0.401	0.263	<0.0001
ZFYVE9	0.82	0.2632	0.0005
TMEM74B	0.711	0.2632	0.0037
HERC2P4	0.765	0.2632	0.0127
LINC01267	0.673	0.2632	0.032
TRIP10	0.859	0.2633	0.0014
POU6F2-AS2	0.26	0.2634	<0.0001
ANKMY1	0.821	0.2635	0.0002
SLC6A2	0.814	0.2636	0.0002
LRIG2	0.88	0.2637	0.0019
SLC16A11	0.707	0.2637	<0.0001
SURF4	0.78	0.2638	0.0006
DDRGK1	0.857	0.2638	0.0044
HIST1H3I	0.881	0.2638	0.0062
CA5B	0.792	0.2639	0.0001
LINC01184	0	0.2639	0.0005
RAB42	0.749	0.264	0.0006
ITLN2	0.585	0.2643	<0.0001
MIER3	0.828	0.2644	0.0007
NDUFB2	0.891	0.2645	0.0058
LOC648987	0.791	0.2645	0.0185
KLHDC9	0.85	0.2646	0.0013
UPF3A	0.898	0.2648	0.0069
FAM217B	0.667	0.2649	0.0076
LINC01159	0.066	0.2649	<0.0001
LHFPL4	0.67	0.2649	<0.0001
UNC93B3	0	0.265	0.0002
ROS1	0.865	0.265	0.0015
USP34	0.904	0.2652	0.0064
ZNF317	0.733	0.2653	0.0001
PTPRJ-AS1	0	0.2653	0.0007

TM7SF2	0.849	0.2653	0.0008
SCARNA16	0.632	0.2653	0.0215
ZIC4	0.859	0.2654	0.0017
RABEPK	0.895	0.2655	0.0047
BORCS5	0	0.2656	0.0003
RNGTT	0.878	0.2656	0.0023
LOC100129098	0.337	0.2658	<0.0001
SLC2A3P1	0	0.2659	<0.0001
LINC01152	0	0.2661	0.0002
MYT1	0.805	0.2662	0.0002
AFF2	0.876	0.2662	0.001
RWDD4P1	0	0.2663	0.0005
KRT12	0.87	0.2663	0.0011
CATSPER2	0.832	0.2663	0.0051
ANO8	0.921	0.2663	0.0327
LOC100506730	0.164	0.2664	<0.0001
EIF3F	0.825	0.2666	0.0009
LAMP3	0.911	0.2666	0.005
MTERF1	0.755	0.2666	0.0278
POLR3GL	0.677	0.2667	<0.0001
ELF3	0.916	0.2668	0.0057
GATAD2A	0.822	0.2669	0.0002
TMCC1	0.829	0.2669	0.0005
SPPL2A	0.764	0.2669	0.0019
ROCK2	0.861	0.267	0.0019
DUSP3	0.9	0.267	0.003
VMAC	0.811	0.267	0.0085
OSR1	0.762	0.2671	0.0002
SNRPF2	0	0.2671	0.0005
DNAJB5	0.853	0.2671	0.0006
PRR16	0.678	0.2672	<0.0001
ZMYND8	0.856	0.2673	0.0017
TRAPPC2	0.786	0.2674	0.0001

PPWD1	0.878	0.2674	0.003
ACSM6	0	0.2674	<0.0001
SDAD1P2	0	0.2676	0.0005
LYPLAL1-AS1	0	0.2676	0.0005
MRPS21P9	0.001	0.2676	0.0005
PDIK1L	0.832	0.2676	0.0017
TGIF2LY	0.423	0.2676	<0.0001
RNU6-519P	0	0.2678	0.0002
PGM5P4-AS1	0	0.2678	0.0006
KISS1	0.876	0.2678	0.001
LOC100270746	0.331	0.2679	0.0057
ZNF283	0.789	0.268	0.0015
ZNF419	0.793	0.2681	0.0002
REXO2	0.77	0.2681	0.0003
LINC01490	0	0.2681	0.0006
LYPLA2	0.642	0.2681	<0.0001
TARBP2	0.83	0.2682	0.0004
HOXB7	0.833	0.2683	0.0002
ABCB10P1	0	0.2683	0.0005
GRB10	0.911	0.2683	0.0044
ZBTB8A	0.716	0.2684	0.0006
USP46-AS1	0	0.2684	<0.0001
ZNF534	0.626	0.2685	0.0003
YOD1	0.825	0.2685	0.0006
ZNF583	0.667	0.2686	<0.0001
DHX9P1	0	0.2687	0.0005
MTF2	0.889	0.2687	0.0045
WDR19	0.922	0.2687	0.0148
RNU6-979P	0	0.2689	0.0002
RNU6-800P	0	0.2689	0.0002
MAST1	0.871	0.2689	0.0007
SNAP23	0.881	0.2689	0.0026
GUF1	0.838	0.269	0.0003

STRA6	0.741	0.269	<0.0001
APH1B	0.89	0.2691	0.0022
PMS2P10	0	0.2692	0.0005
ZMYM4	0.815	0.2693	0.0004
HEG1	0.854	0.2693	0.0006
USP30	0.864	0.2693	0.0039
MED15	0.766	0.2694	<0.0001
TLN2	0.882	0.2695	0.0027
SLC22A12	0.702	0.2695	<0.0001
ZNF436	0.812	0.2697	0.0007
TCAP	0.856	0.2697	0.0013
CDRT1	0.876	0.2697	0.0025
KDM5C	0.814	0.2697	0.0035
TSSK6	0.839	0.2699	0.002
REEP2	0.914	0.2699	0.0085
ACTA1	0.926	0.27	0.0082
STEAP1	0.878	0.2701	0.0022
CNNM2	0.835	0.2702	0.0002
ZSCAN12P1	0.651	0.2702	0.0205
MID1	0.897	0.2704	0.0022
SMIM7	0.845	0.2705	0.0475
ADAM17	0.879	0.2706	0.0011
CUX1	0.847	0.2706	0.0023
TADA1	0.825	0.2707	0.0065
ATXN7L2	0.92	0.2707	0.0132
CTSC	0.874	0.2708	0.0008
LINC01204	0	0.2708	<0.0001
OR5H2	0.546	0.2708	<0.0001
ALPK2	0.692	0.2708	<0.0001
TRPS1	0.703	0.2708	<0.0001
CSRNP2	0.836	0.2709	0.0017
RPL12P2	0	0.2709	<0.0001
ZNF492	0.826	0.271	0.0018

CREB3L1	0.824	0.271	<0.0001
SLC12A7	0.854	0.2711	0.0011
THBS3	0.868	0.2711	0.0012
ATF7	0.936	0.2711	0.0134
LINC00668	0.75	0.2711	0.0429
GAS2L1	0.898	0.2712	0.0024
ELOVL4	0.549	0.2712	<0.0001
LINC01424	0.644	0.2713	0.0276
SETP12	0	0.2714	0.0004
ESAM	0.818	0.2714	0.0004
RNF19B	0.807	0.2715	0.0004
LINC01614	0.164	0.2715	0.0005
PLEKHA5	0.753	0.2716	<0.0001
ASNSD1	0.869	0.2717	0.001
HOXC6	0.889	0.2718	0.0017
TIMM8A	0.868	0.2721	0.0014
MIR4802	0	0.2722	0.0002
TRIM54	0.841	0.2723	0.0015
BLMH	0.836	0.2724	0.0001
PDE4C	0.917	0.2724	0.021
EID3	0.809	0.2725	0.0004
GMPPB	0.873	0.2726	0.0056
XRRA1	0.667	0.2726	<0.0001
CPT1C	0.747	0.2726	<0.0001
WBP2NL	0.782	0.2727	0.0003
EEF1A1P30	0	0.2727	0.0004
SEZ6	0.738	0.2728	0.0002
LOC440910	0.373	0.2728	0.0008
ZNF785	0.847	0.2728	0.0019
TRAK2	0.846	0.2729	0.0006
PCNP	0.858	0.2729	0.0013
MCHR1	0.899	0.2729	0.0027
NUDT14	0.753	0.273	0.0002

C1GALT1C1L	0.384	0.2731	0.0003
GAL3ST4	0.833	0.2732	0.0002
RNU4ATAC	0.397	0.2732	<0.0001
EIF4EBP2	0.907	0.2733	0.0037
FAM53B	0.836	0.2734	0.0001
SCUBE1	0.764	0.2734	0.0002
TPM4	0.872	0.2734	0.0023
TRAF3IP2-AS1	0.673	0.2734	0.0184
TNFRSF11A	0.748	0.2735	<0.0001
COX7A2P2	0	0.2736	0.0001
KRT18P24	0	0.2738	0.0005
RNF103	0.86	0.274	0.0011
COPS3	0.869	0.2741	0.0006
IGDCC3	0.7	0.2743	<0.0001
LINC01423	0	0.2746	0.0003
ANKS3	0.884	0.2746	0.0031
GAA	0.899	0.2748	0.002
LRIG3	0.719	0.2748	<0.0001
LINC01311	0.247	0.2749	0.0004
MFHAS1	0.838	0.275	0.0003
PAICS	0.897	0.275	0.0034
ZRANB2	0.911	0.275	0.015
GTPBP6	0.91	0.2752	0.0055
DNASE1L1	0.838	0.2753	0.0002
MRPS18B	0.817	0.2753	0.0003
TRPM4	0.85	0.2753	0.0007
PPP1R12A	0.864	0.2753	0.001
TMEM33	0.84	0.2754	0.0005
GDPGP1	0.794	0.2755	0.0266
MIR4506	0	0.2756	0.0003
ARMC2	0.861	0.2756	0.0012
RNU6-1263P	0	0.2757	0.0001
KLHDC7B	0.88	0.2757	0.0023

RNU6ATAC17P	0	0.2758	0.0001
TLL7	0.862	0.2758	0.0013
GACAT3	0	0.2759	0.0003
HNRNPA2B1	0.85	0.2759	0.001
LRRC37A	0.909	0.2759	0.0399
CCAR1	0.877	0.276	0.0027
CSTA	0.767	0.276	<0.0001
ZNF569	0.759	0.2764	0.0001
SHISA2	0.847	0.2764	0.0046
TRAFD1	0.813	0.2766	0.0002
RNF41	0.872	0.2766	0.0014
VCPIP1	0.755	0.2766	<0.0001
STXBP1	0.845	0.2767	0.0004
PLCL1	0.871	0.2769	0.001
C1orf105	0.898	0.2769	0.0033
RPL7L1	0.861	0.2769	0.0041
PPP1R9A	0.769	0.277	<0.0001
ACAP2	0.819	0.2771	0.0009
HEATR5A	0.889	0.2771	0.0046
ATP1A1-AS1	0.519	0.2771	0.0104
SSX4	0.778	0.2771	0.0316
SRSF1	0.876	0.2772	0.0206
ZNF579	0.827	0.2774	0.0009
ANKRD45	0.884	0.2774	0.0027
PSMA3	0.877	0.2775	0.0013
FBXO36	0.674	0.2775	<0.0001
DIP2B	0.911	0.2777	0.0078
CYTL1	0.826	0.2777	<0.0001
CLCN4	0.883	0.2778	0.0009
NPB	0.85	0.2778	0.006
PELP1	0.652	0.2778	<0.0001
TAF7	0.838	0.2779	0.0004
GPR39	0.851	0.2779	0.0005

DEFB132	0.847	0.2779	0.0041
CDK8	0.818	0.278	<0.0001
SMPD4P1	0.042	0.2781	<0.0001
AP2S1	0.861	0.2782	0.0004
LINC01022	0.333	0.2783	0.0003
PACS1	0.862	0.2784	0.001
CEP95	0.838	0.2785	0.0417
ARHGAP33	0.875	0.2786	0.0125
SYT3	0.474	0.2786	<0.0001
RNU6-437P	0.471	0.2787	0.0001
TRIP12	0.934	0.2788	0.0172
ZNF670	0.779	0.2789	0.0005
ASPHD1	0.791	0.279	<0.0001
POLR2F	0.882	0.2791	0.0019
ISL2	0.831	0.2793	0.0003
RGS14	0.857	0.2794	0.0009
BLACAT1	0.192	0.2794	<0.0001
TAP2	0.858	0.2795	0.0006
APTX	0.871	0.2795	0.0007
CNOT2	0.871	0.2795	0.0007
VCY1B	0.567	0.2796	0.0008
MAU2	0.897	0.2796	0.0283
SPOP	0.889	0.2797	0.0021
NOP16	0.843	0.2797	0.0039
RPS3AP2	0	0.2798	0.0003
POFUT1	0.84	0.2798	0.0005
MAST3	0.916	0.2798	0.006
ERC2	0.721	0.2801	<0.0001
SUDS3	0.874	0.2802	0.0038
PODXL2	0.5	0.2802	<0.0001
RPL7L1P8	0.428	0.2803	0.0001
TRAV10	0.388	0.2803	0.0002
LINC01413	0	0.2803	0.0003

SLC37A1	0.815	0.2804	0.0002
RPS27P15	0.157	0.2804	0.0003
MCFD2	0.892	0.2804	0.0015
TM2D1	0.796	0.2804	<0.0001
MIR6503	0	0.2806	0.0003
EMILIN2	0.908	0.2806	0.0034
KLHL31	0.814	0.2807	0.0006
ARMCX5	0.869	0.2809	0.0006
IL12A	0.9	0.281	0.0017
MGAT4B	0.909	0.2811	0.0036
TRIM8	0.648	0.2811	<0.0001
ZNF26	0.909	0.2812	0.0144
SUPT6H	0.899	0.2813	0.0033
ENTPD2	0.863	0.2814	0.0004
COASY	0.91	0.2814	0.003
SOX11	0.856	0.2815	0.0004
RPL35P9	0	0.2815	<0.0001
NKX3-2	0.751	0.2816	0.0001
LINC01559	0.499	0.2816	0.0002
TET2-AS1	0	0.2816	<0.0001
CIC	0.896	0.2817	0.0019
IP6K2	0.903	0.2817	0.0091
FER	0.774	0.2818	<0.0001
SCARB1	0.858	0.2819	0.0006
KANSL2	0.768	0.2819	0.0039
PRPF39	0.92	0.282	0.0135
SIN3A	0.693	0.282	<0.0001
PIGB	0.906	0.2821	0.0043
ZNF48	0.913	0.2821	0.0337
SETP14	0	0.2822	0.0002
MYRF	0.573	0.2822	0.0005
ALG10	0.818	0.2822	0.0011
KIAA1107	0.845	0.2822	0.0016

SWI5	0.785	0.2822	0.0095
TRAPPC6A	0.691	0.2822	<0.0001
TBC1D10B	0.727	0.2822	<0.0001
LRRC8E	0.815	0.2822	<0.0001
PIGH	0.857	0.2823	0.0005
FAM228B	0.35	0.2823	<0.0001
TUBB8	0.58	0.2824	0.0003
XPNPEP1	0.819	0.2825	0.0002
PCYT1A	0.86	0.2825	0.0006
NAP1L6	0.571	0.2825	0.0035
CCDC12	0.832	0.2827	0.0003
DEPDC4	0.898	0.2827	0.0042
ARHGEF35	0.607	0.2832	0.0013
HLA-J	0.829	0.2833	0.022
FABP6	0.844	0.2836	0.0001
TOMM7	0.914	0.2836	0.0403
ERICH3-AS1	0	0.2836	<0.0001
SCAMP4	0.695	0.2836	<0.0001
MTHFSD	0.768	0.2836	<0.0001
CTU1	0.73	0.2838	0.0029
CFAP65	0.402	0.2839	0.0001
SERPINE2	0.783	0.2842	<0.0001
ZFAND1	0.839	0.2843	0.0003
UBQLN1	0.804	0.2844	0.0003
RAPGEFL1	0.888	0.2844	0.0023
SNORD114-10	0.04	0.2844	<0.0001
ULBP2	0.743	0.2844	<0.0001
IFNGR2	0.894	0.2846	0.0012
PRAMEF11	0.674	0.2847	0.0015
MTPAP	0.786	0.2848	0.0011
SPOPL	0.834	0.2848	0.0027
COL1A2	0.888	0.2849	0.0008
ARHGAP1	0.902	0.2849	0.0023

SSX2	0.8	0.2849	0.0053
MLLT10	0.922	0.2849	0.0081
ASB16	0.853	0.285	0.0006
S100PBP	0.919	0.285	0.009
FASTKD1	0.865	0.2851	0.0005
SNHG11	0.719	0.2851	0.0049
PGBD5	0.74	0.2852	<0.0001
SIGLEC15	0.777	0.2852	<0.0001
HNRNPA3P1	0.699	0.2853	0.0002
ST5	0.882	0.2853	0.0024
LINC01012	0.329	0.2853	<0.0001
RPS13	0.9	0.2854	0.0122
PLEKHS1	0.645	0.2855	0.0011
DUSP7	0.907	0.2855	0.0024
CUEDC2	0.779	0.2855	<0.0001
TEX11	0.86	0.2856	0.0008
PAFAH1B2	0.892	0.2856	0.0019
HIST1H1A	0.936	0.2856	0.0225
TMEM52B	0.448	0.2856	<0.0001
KHDC1	0.468	0.2858	<0.0001
CXCL17	0.781	0.2859	0.0002
C6orf222	0.842	0.2859	0.0186
VDR	0.859	0.286	0.0005
CFAP61	0.258	0.286	<0.0001
LINC01249	0	0.2861	0.0001
MBNL3	0.849	0.2863	0.0002
GXYLT2	0.83	0.2865	0.0013
NDUFC2-KCTD14	0.373	0.2867	0.008
HMGNI1P30	0	0.2867	<0.0001
MARS2	0.808	0.2868	0.0003
NAA38	0.868	0.2869	0.0128
SEC61A2	0.926	0.2871	0.0116
CEP135	0.812	0.2871	<0.0001

GTPBP3	0.892	0.2873	0.0012
ZNF236	0.918	0.2873	0.0084
TPTE2P3	0.147	0.2874	0.0008
RPS15	0.81	0.2875	0.0001
PACSN1	0.848	0.2875	0.0014
FAHD2P1	0	0.2876	0.0002
PDIA2	0.859	0.2876	0.0004
PI4K2A	0.884	0.2876	0.0032
TREML3P	0.547	0.2877	0.0014
LSP1P3	0.143	0.2877	<0.0001
MIR3136	0	0.2878	<0.0001
MS4A10	0.447	0.2878	<0.0001
LYG2	0.76	0.2878	<0.0001
RNU6ATAC39P	0.442	0.2879	0.0002
POMT2	0.899	0.2879	0.0033
RHOQP3	0.215	0.288	0.0002
HMGN2P46	0.762	0.2881	0.0149
SSX3	0.84	0.2883	0.0005
ZFX	0.872	0.2883	0.0007
GNG5	0.884	0.2883	0.0007
WDR24	0.862	0.2883	0.0018
ATG14	0.823	0.2883	0.0039
PABPN1	0.943	0.2884	0.0241
ARHGEF5	0.877	0.2885	0.0004
PIK3CD-AS1	0.201	0.2887	0.0001
CAB39	0.846	0.2887	0.0001
OXTR	0.864	0.2887	0.0005
FAM168A	0.863	0.2887	0.002
HULC	0.711	0.2887	0.0497
ZNF697	0.573	0.2887	<0.0001
PCDHB3	0.682	0.2888	<0.0001
SNX13	0.814	0.2889	0.0001
HDAC10	0.936	0.2889	0.0179

RNF224	0.533	0.2889	0.0282
SPHK1	0.822	0.289	0.0001
LGR5	0.796	0.289	<0.0001
BCL7C	0.906	0.2891	0.0025
PLS1	0.888	0.2892	0.0015
ARHGEF3	0.873	0.2893	0.0004
LYPD3	0.883	0.2893	0.0005
C12orf43	0.788	0.2893	<0.0001
RNU1-72P	0.094	0.2894	<0.0001
TMEM106B	0.891	0.2895	0.0024
DCSTAMP	0.544	0.2896	0.0001
LIN52	0.736	0.2897	<0.0001
HTT	0.794	0.2898	0.0002
CXCL11	0.873	0.2899	0.0006
WDR1	0.911	0.2899	0.0042
BAZ2A	0.917	0.2899	0.0045
MAMSTR	0.898	0.2899	0.0231
TAAR3P	0.223	0.2901	0.0001
RNU2-29P	0	0.2901	<0.0001
LOC643387	0.464	0.2901	<0.0001
MANSC1	0.795	0.2901	<0.0001
MIR6738	0	0.2903	0.0002
CHMP1A	0.859	0.2903	0.0003
C4orf48	0.832	0.2903	0.0054
ZNF404	0.802	0.2904	0.0003
CDC42BPA	0.894	0.2905	0.0009
ZNF841	0.895	0.2905	0.0409
GTF3C4	0.762	0.2905	<0.0001
DKK2	0.873	0.2906	0.0004
SYF2	0.885	0.2906	0.0013
PPARD	0.9	0.2906	0.0029
LIMS1	0.929	0.2906	0.0066
SLC6A1-AS1	0.399	0.2907	<0.0001

TYK2	0.907	0.2908	0.0035
LINC00327	0.39	0.2908	<0.0001
GALK1	0.839	0.2908	<0.0001
LOC101926944	0	0.2909	<0.0001
PCDHB11	0.86	0.2911	0.0004
HAPLN1	0.865	0.2912	0.0002
LOC101927164	0	0.2912	<0.0001
CSTF1	0.904	0.2913	0.0014
RN7SL205P	0	0.2916	<0.0001
ZRANB3	0.794	0.2917	0.0001
GM2AP2	0	0.2917	0.0002
GPX8	0.848	0.2917	0.0016
CNR1	0.842	0.2917	<0.0001
SUMF1	0.82	0.2918	0.0003
MFSD1	0.88	0.2918	0.0007
LPCAT2	0.846	0.2918	0.001
STK17A	0.919	0.2921	0.0064
IMP4	0.863	0.2922	0.0003
CNFN	0.82	0.2923	0.0001
PASK	0.898	0.2923	0.0021
BTF3	0.922	0.2923	0.0041
THAP2	0.816	0.2924	0.0004
STARD9	0.906	0.2924	0.0103
TERF2	0.814	0.2924	<0.0001
GNAS	0.88	0.2925	0.0004
GAGE12I	0.609	0.2925	0.0154
GPATCH11	0.492	0.2926	<0.0001
RNU4-39P	0	0.2928	<0.0001
CCL18	0.867	0.2929	0.0004
FABP4	0.703	0.293	<0.0001
JOSD2	0.799	0.293	<0.0001
HOXA5	0.826	0.293	<0.0001
KCNJ6	0.805	0.2932	<0.0001

LINC01297	0	0.2933	0.0002
ACTR8	0.872	0.2933	0.0005
OPN3	0.859	0.2933	0.0013
NOS2	0.87	0.2933	0.0054
PKIA-AS1	0	0.2934	0.0002
SLC7A1	0.828	0.2934	<0.0001
PDE12	0.781	0.2935	0.0003
CACNG4	0.907	0.2935	0.002
UPK1A	0.809	0.2935	<0.0001
LGALS3	0.916	0.2936	0.0026
ZNF425	0.748	0.2936	<0.0001
PDZD2	0.673	0.2937	<0.0001
ZNF296	0.827	0.2939	0.002
OPHN1	0.902	0.2939	0.0034
STX18	0.799	0.2939	<0.0001
ZNF720	0.829	0.294	0.0021
IRF2BP1	0.721	0.294	<0.0001
WDR47	0.866	0.2941	0.0007
BMF	0.878	0.2941	0.0011
HSP90AB5P	0.785	0.2941	0.0472
RAB4B	0.844	0.2943	0.002
UBA5	0.899	0.2944	0.0116
FYCO1	0.823	0.2944	<0.0001
C6orf52	0.53	0.2945	<0.0001
FXYD3	0.834	0.2945	<0.0001
PRAMEF4	0.666	0.2946	0.0023
SPARC	0.919	0.2946	0.0051
COX5B	0.829	0.2946	<0.0001
ZNF233	0.662	0.2947	<0.0001
MIR8064	0.012	0.2949	0.0002
SMC6	0.88	0.2949	0.0012
C12orf57	0.874	0.2949	0.0015
LSG1	0.895	0.2951	0.0012

ZNF676	0.596	0.2951	<0.0001
GAPDHP20	0.087	0.2952	0.0001
KCNF1	0.777	0.2952	<0.0001
SAMD13	0.87	0.2953	0.004
MIR548C	0.363	0.2953	0.0098
ELP6	0.645	0.2954	0.001
ZNF345	0.934	0.2954	0.0147
RPL19P13	0	0.2954	<0.0001
LOC100129603	0.212	0.2954	<0.0001
SNRNP25	0.678	0.2954	<0.0001
LMBR1	0.808	0.2954	<0.0001
TLE6	0.802	0.2955	<0.0001
MRPL27	0.83	0.2956	0.0005
RPL24	0.891	0.2956	0.0024
EXT2	0.903	0.2958	0.0011
DDX31	0.827	0.2958	<0.0001
SHISA5	0.678	0.2959	<0.0001
RN7SL477P	0.33	0.296	<0.0001
SLC25A12	0.754	0.296	<0.0001
NPR2	0.812	0.296	<0.0001
MAPK11	0.887	0.2961	0.0006
WDR43	0.89	0.2961	0.0024
OR8A1	0.573	0.2962	<0.0001
RABGGTA	0.823	0.2962	<0.0001
DPY19L2P2	0.836	0.2963	0.0004
NLRP11	0.561	0.2963	<0.0001
TBC1D25	0.762	0.2963	<0.0001
AFAP1	0.877	0.2966	0.0005
PRDM12	0.89	0.2966	0.0018
DUOXA2	0.686	0.2968	<0.0001
ZNF710	0.673	0.2969	<0.0001
HNRNPA1P25	0	0.297	0.0001
LOC650226	0	0.297	0.0059

ATP6V0E1P3	0.227	0.2971	0.0001
SLC30A3	0.839	0.2972	0.0001
PAX6	0.883	0.2972	0.0008
HAUS7	0.802	0.2972	0.0016
CEBPZ	0.932	0.2972	0.0086
ALX3	0.876	0.2973	0.0003
RN7SL583P	0	0.2974	<0.0001
MAP3K13	0.794	0.2974	<0.0001
ATP2B4	0.899	0.2975	0.0008
COX19	0.875	0.2977	0.002
RNU6ATAC14P	0	0.2978	0.0001
BRINP3	0.44	0.2978	<0.0001
DAND5	0.849	0.2979	0.0003
ZCCHC10	0.823	0.2979	<0.0001
ZNF587	0.918	0.298	0.0058
FAM111A	0.917	0.2981	0.0032
PROCA1	0.86	0.2982	0.0029
HDAC3	0.832	0.2982	<0.0001
PHLDB3	0.818	0.2983	0.0003
RPL10L	0.62	0.2984	<0.0001
BBS7	0.836	0.2984	<0.0001
ZNF239	0.803	0.2985	<0.0001
BNIPL	0.859	0.2986	0.0004
ZNF302	0.911	0.2986	0.004
KLHL13	0.741	0.2988	<0.0001
ZNF729	0.335	0.2989	<0.0001
HNRNPA1P15	0.172	0.299	0.0001
GOLGA2	0.91	0.299	0.0015
POLM	0.94	0.2991	0.0176
ANKRD26P1	0.233	0.2991	<0.0001
SLC2A6	0.752	0.2991	<0.0001
QPCT	0.866	0.2992	0.0003
CRIPAK	0.842	0.2992	0.0005

FLJ30901	0	0.2992	0.0106
EARS2	0.74	0.2992	<0.0001
MSN	0.848	0.2993	0.0002
GCN1	0.293	0.2993	<0.0001
ROR1	0.815	0.2993	<0.0001
TMEM108	0.83	0.2994	0.0004
EEPD1	0.841	0.2995	0.0006
SNORD31	0.51	0.2995	0.0312
THRA	0.911	0.2996	0.0029
GLB1L3	0.624	0.2996	<0.0001
DNAJC30	0.678	0.2997	<0.0001
PPP3CB	0.885	0.2999	0.0008
ZNF713	0.88	0.2999	0.0024
LRRC46	0.615	0.2999	<0.0001
SLC46A1	0.835	0.3	0.0004
CT47B1	0.325	0.3003	<0.0001
MOCS3	0.848	0.3004	0.0003
DNA2	0.902	0.3005	0.0048
PBX2	0.819	0.3008	<0.0001
LOC340268	0.483	0.3009	0.0025
CHCHD2P5	0	0.301	<0.0001
HIRIP3	0.791	0.301	<0.0001
OR5H6	0.599	0.3011	0.0001
GPALPP1	0.658	0.3013	0.0031
UNC93B6	0	0.3013	<0.0001
PNCK	0.733	0.3013	<0.0001
USP49	0.862	0.3014	0.0009
TAF8	0.617	0.3014	<0.0001
SNX30	0.723	0.3015	<0.0001
SIGMAR1	0.774	0.3016	0.0003
MIR7854	0	0.3017	0.0001
ABCB5	0.778	0.3019	<0.0001
HLA-A	0.921	0.3021	0.0059

BET1	0.837	0.3023	<0.0001
ZZZ3	0.835	0.3024	0.0003
RHOXF2	0.237	0.3024	<0.0001
CSMD2	0.865	0.3025	0.0004
ZNF431	0.733	0.3025	<0.0001
IRF5	0.868	0.3026	0.0001
DNAH11	0.845	0.3026	0.0005
LOC100507507	0.175	0.3027	<0.0001
COG4	0.842	0.3027	<0.0001
ZBTB8OS	0.845	0.3028	0.0008
EML2	0.858	0.303	0.0002
F2RL3	0.889	0.303	0.0008
DSTNP4	0	0.303	<0.0001
SHOX2	0.887	0.3031	0.0008
UBA3	0.818	0.3032	0.0004
RPL9	0.881	0.3032	0.0016
TCEAL9	0.035	0.3033	<0.0001
ADAM22	0.881	0.3034	0.0004
TMEM246	0.679	0.3034	0.0067
CROCCP5	0	0.3034	<0.0001
CHODL	0.451	0.3035	<0.0001
ZNF589	0.901	0.3036	0.002
RP9P	0.834	0.3037	0.0185
SOCS4	0.878	0.3038	0.0017
GPR89B	0.806	0.3038	0.0032
IQCH	0.729	0.3038	<0.0001
GPR108	0.738	0.3038	<0.0001
NSA2	0.889	0.3039	0.0089
CCL13	0.928	0.304	0.0035
CEP192	0.913	0.3041	0.0023
ZFH4-AS1	0.749	0.3041	0.022
CUZD1	0.848	0.3042	0.0001
TM4SF1	0.921	0.3043	0.0042

NSMCE1	0.828	0.3045	0.0003
ATP9B	0.702	0.3047	<0.0001
PKIA	0.783	0.3047	<0.0001
RPS16P9	0	0.3048	<0.0001
CHEK2P2	0.102	0.3049	<0.0001
FAM57A	0.807	0.305	<0.0001
UBE2H	0.862	0.3051	0.0003
TUBGCP4	0.725	0.3051	<0.0001
DNAH17-AS1	0.764	0.3052	0.048
MIR5590	0	0.3052	<0.0001
SCX	0.285	0.3052	<0.0001
ZNF580	0.786	0.3052	<0.0001
SLC52A3	0.867	0.3053	0.0373
NCOR2	0.863	0.3054	0.0003
TBL3	0.868	0.3054	0.0003
LINC00581	0.035	0.3054	<0.0001
CCZ1B	0.78	0.3055	0.0055
AP5S1	0.807	0.3055	0.0088
RAMP1	0.848	0.3056	0.0001
ANKRD26	0.853	0.3056	<0.0001
ASXL1	0.911	0.3057	0.0017
CALCR	0.819	0.3057	<0.0001
ADAT1	0.768	0.3058	<0.0001
DLK1	0.803	0.3058	<0.0001
YY1	0.907	0.3059	0.0022
RAVER2	0.812	0.3059	<0.0001
CYB5R3	0.891	0.306	0.0005
TNFRSF25	0.864	0.3061	0.0003
DEF8	0.924	0.3062	0.0048
DLG1	0.916	0.3063	0.0015
MPI	0.826	0.3064	<0.0001
ZNF445	0.946	0.3065	0.0311
MAN2B1	0.853	0.3065	<0.0001

TMEM181	0.833	0.3066	0.0005
ARSK	0.727	0.3067	<0.0001
SARS	0.911	0.3069	0.005
ZNF599	0.796	0.307	0.0002
ALG9	0.944	0.307	0.0128
LOC101929464	0	0.3072	<0.0001
WDR73	0.863	0.3073	0.0004
RN7SL709P	0	0.3073	<0.0001
SNRNP35	0.834	0.3074	0.0013
C1QL4	0.707	0.3074	<0.0001
OCA2	0.787	0.3074	<0.0001
GABPB2	0.907	0.3075	0.0012
SNX18P7	0	0.3075	<0.0001
TSPAN3	0.84	0.3075	<0.0001
ANKRD30BP2	0.547	0.3076	0.0004
NOC2L	0.847	0.3077	0.0002
PSMD6	0.903	0.3077	0.0018
TYRP1	0.835	0.3077	<0.0001
C3orf70	0.819	0.3078	0.0006
PLEC	0.78	0.3079	0.0003
HIST3H2A	0.795	0.3079	<0.0001
SLC10A3	0.805	0.3079	<0.0001
ESYT3	0.856	0.3081	0.0049
ZNF480	0.829	0.3081	<0.0001
C8orf37	0.883	0.3083	0.0013
GAGE2A	0.143	0.3083	<0.0001
PRKG1-AS1	0.463	0.3083	<0.0001
BTBD2	0.692	0.3084	<0.0001
GABRA2	0.834	0.3084	<0.0001
LSM5	0.836	0.3085	<0.0001
ATAT1	0.868	0.3086	0.0075
SLC7A10	0.651	0.3086	<0.0001
TOR2A	0.747	0.3088	<0.0001

ATRX	0.898	0.3089	0.0005
ZNF354A	0.786	0.3089	<0.0001
LOC100129455	0	0.309	<0.0001
TTC32	0.806	0.3093	0.0001
GNA11	0.841	0.3093	<0.0001
FAM120A	0.881	0.3094	0.0003
RBM39	0.945	0.3095	0.0149
SGPL1	0.893	0.3096	0.0013
GALNT18	0.504	0.3098	0.0002
PUM2	0.869	0.3099	0.0004
FOXD4	0.741	0.3101	0.0001
LRPAP1	0.88	0.3101	0.0002
YARS	0.853	0.3101	0.0005
MEX3D	0.875	0.3102	0.0005
KAT5	0.905	0.3102	0.0044
IFT20	0.858	0.3104	0.0002
HPS1	0.901	0.3105	0.0007
GHRHR	0.843	0.3105	<0.0001
FMO8P	0.462	0.3106	<0.0001
BHLHB9	0.724	0.3106	<0.0001
CEP76	0.84	0.3106	<0.0001
MAP2K5	0.893	0.3107	0.0004
SCARNA15	0.703	0.3107	0.0011
ZMIZ1	0.836	0.3108	<0.0001
S100A2	0.829	0.3109	<0.0001
ZBTB39	0.902	0.311	0.0019
TSPAN15	0.849	0.3112	0.0002
ZC3H4	0.826	0.3112	0.0005
SERBP1	0.883	0.3113	0.0006
ZDHHC5	0.846	0.3113	0.001
SLC35D2	0.833	0.3113	<0.0001
VCX3B	0.793	0.3114	0.013
NAV1	0.857	0.3115	0.0003

FMNL3	0.829	0.3116	<0.0001
VASH1	0.835	0.3116	<0.0001
RAB1B	0.899	0.3117	0.0028
DDX18	0.852	0.3117	<0.0001
NKRF	0.838	0.3118	<0.0001
CT47A10	0	0.312	0.0045
CDH12	0.798	0.312	<0.0001
LCTL	0.909	0.3122	0.0034
AK8	0.845	0.3122	0.007
CASC16	0.731	0.3122	0.0264
GABPB1	0.827	0.3123	0.0002
SURF6	0.845	0.3123	0.0004
ZNF17	0.846	0.3124	0.0005
PAX8	0.914	0.3124	0.0023
ARMCX5-GPRASP2	0	0.3124	<0.0001
MIR5089	0.001	0.3124	<0.0001
IHH	0.896	0.3125	0.0004
ENO1-AS1	0.73	0.3126	0.0134
SCARNA3	0.759	0.3126	0.0141
DALRD3	0.871	0.3127	0.0003
FBXO10	0.873	0.3127	0.0006
ANO4	0.67	0.3127	<0.0001
HOXA9	0.844	0.3128	0.0001
SCGB2A1	0.843	0.3128	0.0002
C2orf49	0.919	0.3128	0.0029
SERTAD4	0.63	0.3128	<0.0001
AGAP3	0.817	0.3129	0.0002
ZNF573	0.843	0.3129	<0.0001
LTBP2	0.861	0.313	<0.0001
EEF2K	0.834	0.3131	0.0004
MRPL43	0.866	0.3131	0.0011
ZDHHC3	0.849	0.3134	0.0001
DEFA9P	0.293	0.3134	<0.0001

NOC4L	0.862	0.3135	0.0003
SPOCD1	0.792	0.3135	<0.0001
ZNF324	0.886	0.3137	0.0008
HIST1H1T	0.894	0.3137	0.001
MARK2	0.879	0.3138	0.0001
RANBP1	0.862	0.3138	0.0006
ZBTB17	0.904	0.3138	0.0013
RPL41P2	0.241	0.3139	<0.0001
LOC101927272	0	0.314	<0.0001
ARHGEF38-IT1	0	0.3141	<0.0001
SUPV3L1	0.82	0.3142	<0.0001
MOGS	0.853	0.3143	0.0016
ACER3	0.825	0.3144	0.0004
TLR5	0.684	0.3144	<0.0001
NRSN2	0.803	0.3144	<0.0001
FLT1	0.848	0.3144	<0.0001
CTNNBIP1	0.901	0.3145	0.0006
TOX3	0.48	0.3145	<0.0001
SH3GLB2	0.767	0.3146	<0.0001
IKBKG	0.859	0.3147	0.0001
ZNF620	0.743	0.3147	<0.0001
FOXF2	0.81	0.3148	<0.0001
NR1H2	0.872	0.3149	0.0003
ZNF571-AS1	0.314	0.3149	<0.0001
HSPG2	0.835	0.3149	<0.0001
NPIPA3	0.48	0.3151	<0.0001
DHX40	0.84	0.3151	<0.0001
MAT2A	0.918	0.3154	0.0013
MORC4	0.792	0.3154	<0.0001
B4GALNT2	0.822	0.3154	<0.0001
ITGB4	0.869	0.3155	<0.0001
ABCF3	0.897	0.3156	0.0005
MRPL3	0.89	0.3156	0.0009

TAF15	0.919	0.3156	0.0038
SRRT	0.91	0.3156	0.0139
IGF2R	0.889	0.3157	0.0002
BLOC1S1	0.9	0.3158	0.0009
UNKL	0.916	0.3158	0.005
PPFIA4	0.761	0.3158	<0.0001
PCMTD2	0.89	0.3159	0.0008
CNBD2	0.874	0.3159	0.0391
PIN4	0.785	0.3159	<0.0001
PEX19	0.865	0.316	0.0002
ZNF621	0.936	0.3161	0.0167
LOC101927365	0	0.3161	<0.0001
OLR1	0.796	0.3161	<0.0001
MIR6864	0	0.3162	<0.0001
LOC93622	0.761	0.3163	0.0012
CASC19	0.13	0.3163	<0.0001
HEXA-AS1	0.68	0.3164	0.0016
NCOA3	0.882	0.3166	0.0004
ABHD11	0.815	0.3166	<0.0001
CNN3	0.868	0.3166	<0.0001
HNRNPH2	0.837	0.3167	0.0011
DMWD	0.914	0.3168	0.0011
P2RY8	0.928	0.3168	0.0144
ITGB5	0.857	0.3168	<0.0001
CHERP	0.859	0.3168	<0.0001
PSIP1	0.87	0.3169	0.0002
CNKSR2	0.892	0.3169	0.0004
NUDT19	0.774	0.3169	<0.0001
GPR1-AS	0	0.3171	<0.0001
SCFD1	0.805	0.3171	<0.0001
CD248	0.878	0.3172	0.0002
ATXN10	0.893	0.3172	0.0003
SCHLAP1	0	0.3172	<0.0001

TMPRSS15	0.35	0.3172	<0.0001
ANKFN1	0.587	0.3172	<0.0001
ZNF485	0.742	0.3172	<0.0001
LOC100507516	0.187	0.3173	<0.0001
TMOD2	0.74	0.3173	<0.0001
TTC30A	0.822	0.3173	<0.0001
KLHL29	0.848	0.3175	0.0002
TAF9B	0.906	0.3175	0.0022
CORIN	0.785	0.3176	<0.0001
FUT1	0.859	0.3176	<0.0001
SLC35C2	0.873	0.3177	0.0003
LINC01425	0	0.3177	<0.0001
KIDINS220	0.93	0.3178	0.0071
ZNF124	0.797	0.3178	<0.0001
AP1B1	0.842	0.3178	<0.0001
PSAP	0.898	0.3179	0.0009
PAK2	0.91	0.318	0.0019
SSX7	0.693	0.3181	0.0001
SYNCRIP	0.916	0.3181	0.0022
HTATSF1P2	0.489	0.3181	<0.0001
FNDC3B	0.894	0.3182	0.0008
RAD17	0.862	0.3183	0.0002
PCDHB13	0.627	0.3183	<0.0001
CT45A10	0.313	0.3184	<0.0001
RNU6ATAC41P	0.355	0.3185	0.0426
USP22	0.826	0.3186	<0.0001
MYBPHL	0.746	0.3188	0.0005
FBN3	0.662	0.3188	<0.0001
PHEX	0.813	0.3191	<0.0001
TPI1P2	0.531	0.3192	0.0021
ZNF12	0.915	0.3192	0.0026
ARMC8	0.934	0.3194	0.0031
TCAF2P1	0.186	0.3196	<0.0001

ALG14	0.859	0.3197	0.0002
TBPL1	0.738	0.3197	<0.0001
LINC01282	0.203	0.3199	<0.0001
BCL9L	0.839	0.32	<0.0001
SLC1A5	0.86	0.3201	0.0001
FGFBP3	0.861	0.3201	0.0002
VCX3A	0.81	0.3202	0.0029
PIAS1	0.853	0.3202	<0.0001
LOC374443	0.85	0.3203	0.0291
MOB1A	0.868	0.3204	0.0108
POLDIP3	0.867	0.3205	0.0002
CDAN1	0.92	0.3206	0.004
MRPS34	0.749	0.3206	<0.0001
CYP27C1	0.795	0.3206	<0.0001
LOC728452	0	0.3207	0.0015
LINC00638	0.615	0.3207	0.0019
PHF12	0.931	0.3208	0.0121
MNX1-AS1	0.733	0.3208	0.025
GNGT1	0.816	0.3208	<0.0001
ZDHHC13	0.888	0.3209	0.0006
HS2ST1	0.908	0.3209	0.001
RNU1-61P	0	0.321	<0.0001
PRICKLE4	0.897	0.3211	0.0191
IGHV3-47	0	0.3211	<0.0001
ZNF414	0.835	0.3215	0.0002
ANO6	0.849	0.3216	0.0005
MAGED1	0.81	0.3216	<0.0001
SETD2	0.892	0.3218	0.0008
CCDC183-AS1	0	0.3219	<0.0001
TPI1	0.724	0.3219	<0.0001
CRLF3	0.865	0.3219	<0.0001
SLC26A7	0.809	0.3222	<0.0001
THAP10	0.666	0.3223	<0.0001

DOLPP1	0.825	0.3224	<0.0001
ULK3	0.91	0.3225	0.004
LMCD1	0.878	0.3226	0.0001
KIF13A	0.784	0.3227	<0.0001
FIG4	0.869	0.3228	0.0002
NEDD4	0.877	0.3229	0.0003
MOB4	0.828	0.3229	0.0031
MIR6069	0	0.3229	<0.0001
BCL7B	0.881	0.323	0.0001
LONP1	0.683	0.323	<0.0001
C11orf72	0.888	0.3231	0.005
TMEM245	0.746	0.3232	0.0048
GPX2	0.787	0.3232	<0.0001
LINC01497	0.2	0.3233	<0.0001
RPL37A	0.883	0.3234	0.0004
TSSK1A	0	0.3234	<0.0001
RNF14	0.889	0.3235	0.0004
CYP7A1	0.837	0.3235	<0.0001
SLC43A2	0.886	0.3236	0.0013
BIK	0.847	0.3238	<0.0001
ZFAND2B	0.844	0.3239	0.0002
TTC30B	0.854	0.3239	0.0005
OVAAL	0	0.3239	<0.0001
PARN	0.813	0.324	<0.0001
FHAD1	0.872	0.3241	0.0005
ZNF367	0.806	0.3241	<0.0001
STRA8	0.66	0.3242	<0.0001
ARFIP2	0.898	0.3244	0.0003
KDM4D	0.8	0.3244	<0.0001
FBXO4	0.815	0.3244	<0.0001
ZNF565	0.705	0.3245	<0.0001
PTPN1	0.902	0.3246	0.0008
B3GALT6	0.763	0.3246	<0.0001

MAP3K4	0.903	0.3248	0.0004
DLX6-AS1	0.309	0.3248	<0.0001
TMEM248	0.759	0.3249	0.0022
PSMD12	0.909	0.325	0.0013
TTC7A	0.717	0.3251	<0.0001
EGLN3	0.77	0.3251	<0.0001
PDCD2	0.86	0.3251	<0.0001
ERF	0.862	0.3251	<0.0001
RPL36	0.879	0.3252	0.0003
TIMM13	0.63	0.3253	<0.0001
RABL3	0.863	0.3255	0.0004
TCF15	0.927	0.3256	0.0034
RN7SKP281	0	0.3256	<0.0001
GLE1	0.848	0.3259	<0.0001
ADAMTS16	0.725	0.326	<0.0001
ELOVL7	0.819	0.3261	<0.0001
PRPF40A	0.839	0.3261	<0.0001
RPS10P14	0	0.3263	<0.0001
QRSL1	0.766	0.3264	<0.0001
PUM1	0.913	0.3269	0.0013
SRA1	0.806	0.3269	<0.0001
SOHLH2	0.711	0.327	<0.0001
AHCY	0.753	0.327	<0.0001
BAGE	0.843	0.3271	0.0005
LINC00942	0.532	0.3271	0.0006
PLAC8L1	0.637	0.3271	<0.0001
JKAMP	0.859	0.3272	0.003
TEX22	0.89	0.3272	0.0451
MFSD10	0.648	0.3272	<0.0001
SLC11A2	0.906	0.3273	0.0009
HSP90AA4P	0.711	0.3274	0.0063
ZNF627	0.824	0.3274	<0.0001
TNFSF15	0.84	0.3274	<0.0001

SNORA74A	0.842	0.3275	0.0017
ZNF35	0.823	0.3275	<0.0001
LOC100506082	0.444	0.3277	<0.0001
LOC101928937	0.358	0.3279	<0.0001
AAK1	0.889	0.3281	0.0002
SPPL3	0.836	0.3282	0.0012
LINC01101	0.68	0.3283	0.0053
MSL1	0.923	0.3283	0.0151
ZNF277	0.882	0.3284	0.0016
LLGL1	0.929	0.3284	0.0019
RHOT1	0.823	0.3284	<0.0001
MGST3	0.896	0.3287	0.0002
HIST1H4L	0.881	0.329	0.0004
TMEM8B	0.669	0.3291	<0.0001
C5orf24	0.895	0.3292	0.0014
NAV2-AS3	0	0.3292	<0.0001
FBF1	0.929	0.3295	0.0154
RPS24	0.873	0.3296	0.0003
NIPAL2	0.849	0.3296	0.0008
ANKRD65	0.878	0.3296	0.0355
CYB5R4	0.764	0.3297	<0.0001
UBE2NL	0.791	0.3297	<0.0001
ACTA2	0.885	0.3297	<0.0001
MARVELD2	0.86	0.3298	0.0002
SFSWAP	0.854	0.3299	0.0021
SYN3	0.782	0.3299	<0.0001
GCSHP4	0	0.33	<0.0001
LINC01479	0	0.33	<0.0001
TRABD	0.879	0.3301	0.0003
LOC101928461	0	0.3302	<0.0001
ZNF574	0.92	0.3303	0.0027
ZNF518A	0.912	0.3303	0.0127
TAPBP	0.773	0.3303	<0.0001

LY6H	0.871	0.3305	<0.0001
ZCCHC3	0.851	0.3308	0.0006
ZNF551	0.781	0.3308	<0.0001
IFITM3	0.896	0.3311	0.0002
COLCA1	0.778	0.3311	0.0363
LINC00412	0.309	0.3311	<0.0001
EZH1	0.913	0.3312	0.0006
MIR6774	0.488	0.3313	<0.0001
CCDC85A	0.826	0.3313	<0.0001
STX3	0.845	0.3313	<0.0001
S100A1	0.814	0.3314	<0.0001
MIR3163	0.118	0.3315	<0.0001
LOC100505498	0.467	0.3315	<0.0001
FIZ1	0.812	0.3315	<0.0001
RPL13A	0.873	0.3318	0.0011
CDC42	0.871	0.3318	<0.0001
BCS1L	0.898	0.3319	0.0003
RAD23A	0.906	0.332	0.0008
MIR378D2	0	0.332	0.0246
ZNF28	0.881	0.3321	0.0008
MTF1	0.818	0.3321	<0.0001
FAM3A	0.843	0.3321	<0.0001
F8A1	0.846	0.3322	0.0019
UBXN7	0.868	0.3322	0.0021
INTS4P2	0	0.3322	<0.0001
KIF7	0.828	0.3322	<0.0001
PTPN11	0.874	0.3324	0.0002
WWP2	0.815	0.3324	<0.0001
ANKS1B	0.845	0.3324	<0.0001
ZNF606	0.863	0.3325	0.0001
NMU	0.868	0.3327	0.0002
SYCE3	0.848	0.3327	0.0114
NBPF2P	0	0.3327	<0.0001

SLITRK4	0.623	0.3327	<0.0001
IL22RA1	0.787	0.3327	<0.0001
TTL5	0.823	0.3327	<0.0001
SERPINB6	0.864	0.3328	0.0002
GAPDHP27	0.548	0.3328	0.0398
ZNF652	0.931	0.333	0.0042
KIAA1324	0.717	0.333	<0.0001
EXOSC8	0.758	0.333	<0.0001
ZNF718	0.789	0.333	<0.0001
ADPRHL1	0.732	0.3332	<0.0001
PPP2R5B	0.882	0.3333	0.0002
WRAP53	0.765	0.3333	<0.0001
NINJ2	0.77	0.3333	<0.0001
UBAC1	0.79	0.3333	<0.0001
SRC	0.861	0.3334	<0.0001
IDH1-AS1	0.777	0.3336	0.0194
FKBP8	0.865	0.3337	<0.0001
COX7A2	0.869	0.3337	<0.0001
COL9A1	0.924	0.3338	0.001
PAK6	0.952	0.3338	0.0149
TDGF1P3	0.646	0.3338	0.0159
PRKAR1A	0.888	0.3339	0.0002
CYB5B	0.718	0.3339	<0.0001
TMUB1	0.889	0.334	0.0012
RAB11FIP1	0.742	0.334	<0.0001
ZNF732	0.766	0.3342	0.0002
ACIN1	0.902	0.3343	0.0004
RPAP2	0.886	0.3343	0.0007
ACTR10	0.851	0.3343	<0.0001
IMPA2	0.868	0.3343	<0.0001
VSIG10L	0.531	0.3344	<0.0001
POP7	0.867	0.3345	0.0001
ACOT7	0.899	0.3345	0.0002

RNU6ATAC6P	0	0.3346	0.0325
POT1	0.871	0.3347	0.0002
CT83	0.169	0.3347	<0.0001
NTM	0.782	0.3348	0.0001
GNPTAB	0.863	0.3348	<0.0001
LOC440173	0.539	0.3349	0.0003
PWWP2B	0.833	0.335	0.0005
DNAJC21	0.906	0.335	0.0025
ACBD7	0.862	0.3351	0.0005
OR8G5	0.565	0.3351	<0.0001
NT5C	0.823	0.3351	<0.0001
MS4A8	0	0.3352	<0.0001
POTEKP	0.488	0.3352	<0.0001
LRRC41	0.828	0.3353	<0.0001
EIF4A2	0.866	0.3353	<0.0001
LOC100287852	0	0.3354	0.002
LINC00351	0.195	0.3354	<0.0001
MCM3AP	0.762	0.3354	<0.0001
FRAT1	0.849	0.3354	<0.0001
KCTD18	0.844	0.3356	<0.0001
WDR6	0.901	0.3358	0.0012
ARG2	0.823	0.3359	<0.0001
SYNM	0.737	0.336	<0.0001
NOM1	0.8	0.3362	<0.0001
PPP6C	0.859	0.3362	<0.0001
ZNF514	0.847	0.3363	0.0001
ZNF202	0.89	0.3363	0.0004
AGPAT4-IT1	0.251	0.3363	<0.0001
PCDHGA4	0.745	0.3364	0.0006
METTL9	0.916	0.3364	0.0006
SLC14A2-AS1	0.086	0.3367	<0.0001
SNX24	0.792	0.3367	<0.0001
RAB41	0.926	0.3368	0.0213

AGR2	0.36	0.3368	<0.0001
AP1M2	0.822	0.3368	<0.0001
SNORA51	0.187	0.3369	<0.0001
DIMT1	0.888	0.337	0.0141
SCCPDH	0.863	0.337	<0.0001
CAV1	0.913	0.3371	0.0005
EIF4EBP1	0.828	0.3371	<0.0001
LUZP1	0.858	0.3371	<0.0001
C14orf119	0.853	0.3372	0.0002
GID8	0.765	0.3372	0.0022
MIR3910-1	0.212	0.3372	0.0445
LRFN3	0.788	0.3372	<0.0001
RIMBP3	0.838	0.3373	0.0302
LINC01079	0.377	0.3374	<0.0001
PCDHB14	0.638	0.3376	<0.0001
IFRD2	0.889	0.3376	<0.0001
TBC1D9B	0.878	0.3378	0.0001
SNHG16	0.231	0.3379	<0.0001
RPS8	0.71	0.3379	<0.0001
MAP3K20	0	0.338	<0.0001
TGFBR1	0.755	0.338	<0.0001
RPL10	0.893	0.3381	0.0041
BCRP5	0	0.3383	<0.0001
RNU6-638P	0	0.3383	<0.0001
UFL1-AS1	0.431	0.3383	<0.0001
STAM2	0.841	0.3383	<0.0001
DENND1A	0.851	0.3383	<0.0001
TMEM120B	0.839	0.3384	0.0003
C2orf27A	0.766	0.3384	<0.0001
RPLP0P2	0.873	0.3385	0.018
SCN4B	0.78	0.3385	<0.0001
ANKRD18CP	0.163	0.3386	<0.0001
PTH2R	0.617	0.3386	<0.0001

TMEM67	0.756	0.3386	<0.0001
DCTN3	0.851	0.3386	<0.0001
TUBB2B	0.736	0.3387	<0.0001
TPRA1	0.733	0.3388	<0.0001
RPL31P28	0.527	0.3389	0.0385
GAPDHP21	0	0.3389	<0.0001
ARHGAP28	0.863	0.339	<0.0001
POLD2	0.867	0.339	<0.0001
TSPAN8	0.808	0.3391	<0.0001
ZNF524	0.743	0.3392	<0.0001
DSCR8	0.866	0.3393	0.0004
C20orf202	0.76	0.3393	0.0006
MGAT5	0.84	0.3393	<0.0001
RNU4ATAC12P	0	0.3394	<0.0001
WDR75	0.807	0.3394	<0.0001
TMEM127	0.864	0.3394	<0.0001
LPP	0.896	0.3395	0.0001
FAM155B	0.865	0.3395	0.0002
CASQ2	0.673	0.3395	<0.0001
LAMB3	0.806	0.3396	<0.0001
KRT86	0.865	0.3398	0.0007
THTPA	0.821	0.3398	<0.0001
C16orf91	0.826	0.3399	0.0018
KCNQ3	0.862	0.3399	<0.0001
RAB7B	0.908	0.34	0.0099
HNRNPA1P57	0	0.34	<0.0001
SERGEF	0.756	0.34	<0.0001
FASTKD5	0.846	0.34	<0.0001
DANCR	0.645	0.3401	0.0044
LOC728485	0.63	0.3402	0.0341
SGSH	0.832	0.3402	<0.0001
MRM1	0.857	0.3403	0.0001
TDRD5	0.59	0.3403	<0.0001

SIRT6	0.863	0.3403	<0.0001
APC	0.882	0.3404	<0.0001
CDK5RAP3	0.899	0.3408	0.0002
PLCXD1	0.746	0.3408	<0.0001
CASP8	0.869	0.3408	<0.0001
PAEP	0.661	0.341	<0.0001
ZNF391	0.718	0.341	<0.0001
MED26	0.879	0.3411	0.0003
SULT4A1	0.427	0.3412	<0.0001
OCLN	0.804	0.3412	<0.0001
AMMECR1	0.88	0.3413	<0.0001
HSPA1L	0.833	0.3414	<0.0001
SEH1L	0.88	0.3415	0.0002
TMEM126A	0.796	0.3415	<0.0001
HSPBAP1	0.824	0.3415	<0.0001
PCDHGB2	0.558	0.342	<0.0001
CST2	0.804	0.3422	<0.0001
KLHL34	0.702	0.3423	<0.0001
HDAC4	0.84	0.3424	<0.0001
C11orf58	0.921	0.3425	0.0017
LINC01014	0	0.3425	<0.0001
RPS6KB2	0.872	0.3425	<0.0001
MRPL12	0.942	0.3426	0.0091
CERS1	0.819	0.3426	0.0212
LINC01048	0	0.3428	<0.0001
CDK19	0.722	0.3428	<0.0001
TERC	0.812	0.3429	0.0198
CHST10	0.834	0.3429	<0.0001
HMGB3P22	0.434	0.343	<0.0001
MID2	0.826	0.343	<0.0001
EEF1GP8	0	0.3431	<0.0001
RBMY1E	0.46	0.3431	<0.0001
AGPAT4	0.737	0.3431	<0.0001

CHRNA5	0.906	0.3432	0.0003
LINC00559	0.369	0.3432	<0.0001
WASL	0.854	0.3432	<0.0001
ZNF195	0.861	0.3432	<0.0001
RPL32	0.931	0.3433	0.005
RTCB	0.829	0.3433	0.007
RPF2	0.717	0.3433	<0.0001
CD93	0.92	0.3434	0.0006
PPY2P	0	0.3434	<0.0001
COL22A1	0.738	0.3435	<0.0001
TRAF3IP1	0.856	0.3437	<0.0001
VDAC3	0.68	0.3439	<0.0001
NBR2	0.824	0.3439	<0.0001
HFE	0.906	0.3442	0.0002
RPL15	0.91	0.3442	0.0009
GPX4	0.913	0.3444	0.0004
TMSB15A	0.767	0.3444	0.0011
RPS7P5	0.643	0.3444	0.0405
SNORA4	0.412	0.3444	<0.0001
LSM1	0.838	0.3445	<0.0001
RPL3P2	0	0.3446	<0.0001
ADGRV1	0.234	0.3446	<0.0001
CDS2	0.845	0.3446	<0.0001
PGP	0.895	0.3448	0.0034
TSPO2	0.746	0.3448	<0.0001
SNX7	0.892	0.345	0.0002
TBC1D12	0.926	0.345	0.0032
NEURL2	0.699	0.345	<0.0001
PSMB7	0.876	0.3451	<0.0001
PCDHGB1	0.586	0.3452	<0.0001
TESC	0.831	0.3453	<0.0001
ECE2	0.917	0.3455	0.0005
DRC1	0.843	0.3455	0.0132

OSGEPL1-AS1	0.284	0.3455	<0.0001
LOC155060	0.848	0.3456	0.0056
CFAP45	0.537	0.3457	0.0407
KCNJ11	0.781	0.3457	<0.0001
DLEU2	0.894	0.3458	0.0044
RNU6-140P	0	0.3458	<0.0001
SACS	0.859	0.3458	<0.0001
TMEM187	0.883	0.3459	0.0003
MED17	0.776	0.3462	<0.0001
TMCC3	0.834	0.3465	<0.0001
HERC2P7	0.923	0.3467	0.0366
ZNF500	0.86	0.3467	<0.0001
FBXO9	0.909	0.3468	0.0004
PRDM7	0.754	0.3468	<0.0001
ZNF227	0.672	0.3469	<0.0001
ELP4	0.86	0.3469	<0.0001
ARHGEF18	0.954	0.347	0.0081
IAH1	0.838	0.3471	<0.0001
RFX7	0.881	0.3472	0.0016
TMED10P2	0	0.3472	<0.0001
CD99L2	0.858	0.3473	<0.0001
RPS6	0.896	0.3475	0.0003
ZNF362	0.823	0.3475	<0.0001
MAML1	0.94	0.3476	0.0024
FOPNL	0.616	0.3476	<0.0001
UPF1	0.764	0.3476	<0.0001
MAGEA8	0.829	0.3476	<0.0001
ELMO1	0.845	0.3476	<0.0001
ZFAND2A	0.675	0.3477	<0.0001
RNASEH1P1	0.011	0.348	<0.0001
RGSL1	0.567	0.3481	<0.0001
GABBR2	0.845	0.3481	<0.0001
RBM10	0.864	0.3481	<0.0001

RN7SKP278	0	0.3483	0.0265
CDK14	0.766	0.3483	<0.0001
GPC2	0.827	0.3483	<0.0001
ANKRD61	0.789	0.3484	0.0172
COX7C	0.921	0.3486	0.0008
PCDHB8	0.625	0.3486	<0.0001
ZNF695	0.857	0.3487	0.0008
RBM14	0.915	0.3487	0.0011
ATR	0.926	0.3489	0.0012
LINC01060	0.437	0.3489	<0.0001
MAP1A	0.827	0.3489	<0.0001
CLIP2	0.836	0.3489	<0.0001
XIAP	0.764	0.3491	<0.0001
HCP5	0.825	0.3491	<0.0001
PSMC1	0.878	0.3492	0.0002
XPO6	0.839	0.3492	<0.0001
PSMC6	0.929	0.3493	0.0043
USP13	0.857	0.3493	<0.0001
SP3	0.91	0.3494	0.0008
NR2C2	0.945	0.3494	0.0059
APBA3	0.787	0.3494	<0.0001
RAD51B	0.865	0.3495	0.0053
BCR	0.873	0.3495	<0.0001
CD163L1	0.891	0.3496	0.0004
ADAM23	0.676	0.3496	<0.0001
SH3RF2	0.88	0.3497	0.0004
C11orf49	0.817	0.3498	<0.0001
MRPS5	0.822	0.3498	<0.0001
MAGED4	0.879	0.3499	0.007
ELFN1-AS1	0	0.3499	<0.0001
RASGRP3	0.872	0.3499	<0.0001
PPP2R3C	0.871	0.35	0.0002
TGIF2LX	0.648	0.3501	0.0015

LOC101926962	0.242	0.3501	<0.0001
MIR3198-1	0	0.3502	<0.0001
ITGA11	0.695	0.3504	<0.0001
LOC100132057	0.582	0.3507	0.0137
ERV9-1	0.134	0.3508	<0.0001
SAMD12-AS1	0.362	0.3508	<0.0001
CTCF	0.857	0.3508	<0.0001
FBLIM1	0.869	0.3508	<0.0001
KRT8P35	0	0.3509	<0.0001
CCNY	0.834	0.3509	<0.0001
LINC01099	0.265	0.351	<0.0001
BAK1P1	0.26	0.3511	<0.0001
CCDC110	0.565	0.3511	<0.0001
BRI3	0.672	0.3511	<0.0001
LRP10	0.848	0.3511	<0.0001
EIF4BP6	0.421	0.3513	<0.0001
KEAP1	0.874	0.3513	<0.0001
ICE1	0.745	0.3514	0.0043
DGKQ	0.898	0.3517	0.0001
DNM2	0.904	0.3517	0.0001
FGD5-AS1	0.807	0.3517	0.0339
ZNRF1	0.694	0.3517	<0.0001
PNPT1	0.879	0.3518	0.0005
RNU7-59P	0.35	0.3519	<0.0001
ALG1L2	0.701	0.352	0.0075
DHCR7	0.862	0.352	<0.0001
SLX4IP	0.897	0.3521	0.0397
MUCL1	0.543	0.3521	<0.0001
PPM1D	0.9	0.3522	0.0003
ZNF812P	0	0.3522	<0.0001
URB1	0.82	0.3522	<0.0001
UXT	0.908	0.3524	0.0006
ZBTB7B	0.907	0.3524	0.0007

PIP5K1C	0.705	0.3524	<0.0001
TAX1BP3	0.901	0.3525	0.003
ESCO1	0.838	0.3525	<0.0001
AXDND1	0.823	0.3527	0.0029
MYL6	0.945	0.3528	0.0054
TNIP1	0.852	0.3528	<0.0001
MRPS9	0.735	0.353	<0.0001
LINC00673	0.507	0.3531	0.0323
TIRAP	0.872	0.3533	0.0003
LINC01090	0.117	0.3535	<0.0001
MXD4	0.703	0.3535	<0.0001
ADAMTS6	0.849	0.3535	<0.0001
EIF4H	0.907	0.3536	0.0005
UGGT2	0.752	0.3536	<0.0001
MPP3	0.823	0.3537	<0.0001
CCNB3	0.792	0.3538	<0.0001
MIR4644	0.118	0.3539	<0.0001
ENOX1	0.599	0.3539	<0.0001
MRPS15	0.697	0.3539	<0.0001
TARDBP	0.961	0.354	0.0189
MEX3B	0.708	0.354	<0.0001
PEX1	0.845	0.354	<0.0001
TMX2	0.695	0.3541	<0.0001
DET1	0.886	0.3542	<0.0001
RAB3GAP1	0.866	0.3543	<0.0001
EIF3LP2	0.303	0.3545	<0.0001
RNA5SP372	0	0.3547	<0.0001
ZNF585A	0.913	0.3549	0.002
QTRT2	0.135	0.355	<0.0001
LINC00886	0.435	0.355	<0.0001
CHM	0.839	0.355	<0.0001
TBCA	0.886	0.3551	<0.0001
TASP1	0.868	0.3552	<0.0001

SDHAF2	0.935	0.3553	0.0177
RNU6-50P	0.543	0.3554	0.0298
TRPC1	0.826	0.3555	<0.0001
HIST1H2BC	0.801	0.3556	<0.0001
SLC30A5	0.846	0.3557	<0.0001
MTA2	0.869	0.3557	<0.0001
CHCHD1	0.777	0.3558	<0.0001
ZBED3	0.72	0.3559	<0.0001
CAPZB	0.883	0.3559	<0.0001
POM121C	0.846	0.356	0.0011
LINC00922	0	0.356	<0.0001
FGF21	0.777	0.3561	<0.0001
BMS1	0.858	0.3562	<0.0001
ANXA9	0.679	0.3563	<0.0001
TMEM214	0.828	0.3564	0.0002
NR0B1	0.836	0.3565	<0.0001
FOXC2-AS1	0.11	0.3567	<0.0001
PCBP4	0.867	0.3567	<0.0001
LGALS8	0.885	0.3568	<0.0001
DBNL	0.77	0.3571	<0.0001
SLCO2A1	0.855	0.3571	<0.0001
SLC29A2	0.834	0.3572	<0.0001
RPS23	0.928	0.3573	0.0034
PPP6R3	0.791	0.3574	0.0001
OSTCP2	0.465	0.3574	<0.0001
RIMS2	0.859	0.3574	<0.0001
ANKRD20A12P	0.235	0.3575	<0.0001
NR2F6	0.907	0.3576	0.0003
NDUFB11	0.635	0.3576	<0.0001
EIF3I	0.857	0.3577	<0.0001
FLOT2	0.893	0.3577	<0.0001
PSMD7	0.893	0.3578	0.0001
ZNF765	0.852	0.3578	0.0002

NEK8	0.882	0.3578	0.0003
JAG1	0.847	0.3579	<0.0001
USP54	0.59	0.358	<0.0001
ZNF428	0.841	0.358	<0.0001
ZNF728	0.599	0.3581	0.0101
ANO2	0.732	0.3581	<0.0001
ZSWIM3	0.82	0.3581	<0.0001
YARS2	0.843	0.3581	<0.0001
TOR1B	0.743	0.3582	<0.0001
HINFP	0.892	0.3583	0.0005
LINC01583	0	0.3583	<0.0001
HOXD1	0.844	0.3583	<0.0001
SOAT1	0.865	0.3586	<0.0001
STARD3NL	0.846	0.3587	<0.0001
LRWD1	0.825	0.3588	0.0001
TBC1D5	0.918	0.3588	0.0008
PDCD6IPP2	0	0.359	<0.0001
HCP5B	0.433	0.359	<0.0001
RHOBTB3	0.862	0.359	<0.0001
XRN2	0.831	0.3591	<0.0001
CA8	0.858	0.3591	<0.0001
ZNF285	0.577	0.3592	<0.0001
SVIL	0.834	0.3593	<0.0001
GABRA3	0.905	0.3593	<0.0001
NKAIN2	0.624	0.3594	<0.0001
CDH11	0.803	0.3594	<0.0001
FMR1	0.86	0.3594	<0.0001
SERPINB1	0.938	0.3598	0.0028
ATP6V0A2	0.723	0.3599	<0.0001
CTNND2	0.771	0.3599	<0.0001
SART1	0.912	0.36	0.0005
LINC01508	0	0.36	<0.0001
OSGIN2	0.762	0.36	<0.0001

WDR35	0.809	0.36	<0.0001
SNORA72	0.774	0.3602	0.0012
BBC3	0.924	0.3602	0.0019
MRPL36	0.834	0.3603	0.0001
KIAA1549	0.736	0.3603	<0.0001
MTOR	0.801	0.3603	<0.0001
GPN3	0.832	0.3604	<0.0001
RNF10	0.824	0.3606	<0.0001
TRIM50	0.793	0.3607	<0.0001
TESC-AS1	0.095	0.3608	<0.0001
DUSP8	0.828	0.3608	<0.0001
RPL10A	0.856	0.3608	<0.0001
TPI1P1	0.524	0.3611	0.0206
COG7	0.816	0.3611	<0.0001
RHOBTB2	0.871	0.3611	<0.0001
GPNMB	0.91	0.3612	0.0001
RIF1	0.857	0.3612	0.0002
ATG12	0.839	0.3612	<0.0001
CTAG2	0.72	0.3613	<0.0001
JMJD6	0.879	0.3613	<0.0001
ARHGEF9	0.901	0.3614	0.0001
AQP10	0.384	0.3614	<0.0001
CACNB3	0.824	0.3614	<0.0001
TOR1AIP2	0.824	0.3615	<0.0001
CALCRL	0.897	0.3615	<0.0001
TXNP6	0	0.3616	<0.0001
HES5	0.858	0.3617	<0.0001
DMTF1	0.938	0.3619	0.0013
MSMB	0.855	0.3619	<0.0001
POMGNT1	0.835	0.362	<0.0001
CDH24	0.924	0.3621	0.0025
GPR137	0.805	0.3621	<0.0001
SCIN	0.807	0.3621	<0.0001

MYEF2	0.794	0.3622	<0.0001
HECTD2	0.858	0.3622	<0.0001
DAG1	0.878	0.3622	<0.0001
CADM1	0.879	0.3622	<0.0001
ABCA3	0.834	0.3623	<0.0001
IMMP2L	0.836	0.3624	<0.0001
DLGAP4	0.885	0.3626	<0.0001
CYTH3	0.741	0.3627	<0.0001
HSD11B2	0.809	0.3628	<0.0001
MIR5589	0.352	0.3629	<0.0001
EXOC6B	0.902	0.363	0.0002
TTC23	0.836	0.363	<0.0001
ZNF76	0.909	0.3631	0.0003
JAZF1	0.747	0.3632	<0.0001
TMOD3	0.845	0.3632	<0.0001
PSEN1	0.912	0.3633	0.0004
HSP90AB6P	0.805	0.3633	0.0034
MRPS30	0.768	0.3633	<0.0001
MUTYH	0.87	0.3633	<0.0001
CCDC24	0.727	0.3634	<0.0001
PSME1	0.893	0.3635	0.0001
ZNF541	0.801	0.3636	<0.0001
SP4	0.877	0.3636	<0.0001
HCFC1R1	0.854	0.3637	<0.0001
FIP1L1	0.869	0.3637	<0.0001
CCDC66	0.885	0.3638	0.0001
RIOK2	0.869	0.3639	<0.0001
SNCAIP	0.785	0.364	<0.0001
VTRNA1-2	0.44	0.3642	<0.0001
ERI1	0.821	0.3643	<0.0001
ZNF133	0.883	0.3643	<0.0001
LOC100128775	0.671	0.3644	0.0383
DSG1-AS1	0	0.3644	<0.0001

LINC01515	0	0.3644	<0.0001
RPL7A	0.791	0.3645	0.0002
PCSK9	0.907	0.3645	0.0011
IRGQ	0.924	0.3645	0.0013
CAMSAP1	0.848	0.3645	<0.0001
GTF2F1	0.888	0.3645	<0.0001
UBE2E3	0.861	0.3646	0.0002
SCGB1D2	0.803	0.3648	<0.0001
GMEB1	0.867	0.3648	<0.0001
MIR4273	0	0.3649	0.0114
MIR604	0.656	0.3649	0.0189
ZNF385C	0.878	0.365	0.0017
LINC01257	0	0.365	<0.0001
WTAPP1	0.394	0.365	<0.0001
KIF21B	0.716	0.365	<0.0001
MIR6855	0	0.3651	<0.0001
AP4B1	0.85	0.3651	<0.0001
CKMT1A	0.629	0.3653	<0.0001
LINGO1	0.863	0.3653	<0.0001
TXLNA	0.934	0.3654	0.0019
LINC01580	0	0.3654	<0.0001
SSU72P1	0	0.3654	<0.0001
RPS27A	0.912	0.3655	0.0007
RPL4	0.805	0.3655	<0.0001
RFLNB	0.483	0.3658	<0.0001
RASEF	0.76	0.3658	<0.0001
CLTB	0.865	0.366	<0.0001
TTYH2	0.829	0.3661	<0.0001
FARS2	0.898	0.3662	0.0001
DDX50	0.927	0.3662	0.0007
KCTD17	0.846	0.3662	<0.0001
SYS1	0.854	0.3663	<0.0001
DAGLB	0.781	0.3664	<0.0001

TOP2B	0.906	0.3666	0.0003
MEMO1	0.805	0.3666	<0.0001
DHDH	0.858	0.3666	<0.0001
AKAP8L	0.921	0.3668	0.0005
YIF1A	0.823	0.3668	<0.0001
LRP8	0.826	0.3668	<0.0001
TRIM26	0.867	0.3668	<0.0001
AQR	0.884	0.3668	<0.0001
HIKESHI	0.385	0.3669	<0.0001
FBXO6	0.723	0.3671	<0.0001
MDM1	0.882	0.3675	<0.0001
RAB3C	0.471	0.3677	<0.0001
TSPAN10	0.826	0.3679	<0.0001
BCAS4	0.911	0.3681	0.0002
ATG9A	0.923	0.3681	0.0003
CREB3	0.653	0.3681	<0.0001
PDGFRB	0.808	0.3681	<0.0001
HCG18	0.851	0.3682	0.0004
RHBDL3	0.652	0.3682	<0.0001
LHFPL2	0.834	0.3682	<0.0001
TGFB2	0.852	0.3683	<0.0001
DGKI	0.764	0.3684	<0.0001
RNU2-22P	0.847	0.3685	0.0262
ACTL8	0.857	0.3685	<0.0001
TRNP1	0.798	0.3686	0.0001
BTNL8	0.553	0.3686	<0.0001
SNX5	0.813	0.3687	<0.0001
ABLIM2	0.813	0.3688	<0.0001
VDAC1P1	0	0.3689	<0.0001
PDK1	0.815	0.369	<0.0001
SKAP2	0.893	0.3691	0.0001
CHST1	0.736	0.3691	<0.0001
NANOS1	0.9	0.3692	0.0004

PARVB	0.852	0.3692	<0.0001
MIR5684	0	0.3693	<0.0001
ZNF257	0.733	0.3694	<0.0001
ANXA11	0.925	0.3695	0.0003
PPP1CB	0.922	0.3695	0.0006
TPTE	0.64	0.3695	<0.0001
MRPL28	0.818	0.3695	<0.0001
FAM182B	0.575	0.3696	0.0001
SNORA81	0.808	0.3696	0.031
EIF1	0.923	0.3697	0.0009
RNU4-52P	0.54	0.3699	0.0248
LOC101929279	0.048	0.3699	<0.0001
BCDIN3D	0.819	0.37	<0.0001
RPL35	0.836	0.3701	<0.0001
TET3	0.919	0.3705	0.0034
FAM124B	0.636	0.3706	<0.0001
TGIF2	0.878	0.3707	<0.0001
EFNA1	0.882	0.3707	<0.0001
LRRC10B	0.891	0.3709	0.0045
MGA	0.883	0.371	<0.0001
RBM41	0.9	0.3711	0.0002
MIR8078	0	0.3711	<0.0001
GAGE4	0.755	0.3712	0.0064
LSS	0.927	0.3713	0.0003
BFSP2	0.91	0.3714	<0.0001
CSTF3	0.84	0.3715	<0.0001
ARF4	0.926	0.3716	0.0004
ADD1	0.881	0.3718	<0.0001
ZNF84	0.935	0.3719	0.0027
IQCG	0.764	0.3719	<0.0001
MON1A	0.806	0.3719	<0.0001
TXLNG	0.807	0.3719	<0.0001
FAM172A	0.802	0.372	<0.0001

LOC100505851	0.427	0.3721	<0.0001
COPS7A	0.745	0.3721	<0.0001
STK35	0.87	0.3722	0.0001
SSX2B	0.753	0.3722	0.0008
LOC101928661	0	0.3723	<0.0001
UBE2D1	0.841	0.3723	<0.0001
USP36	0.816	0.3724	<0.0001
HINT1	0.849	0.3724	<0.0001
VNN2	0.844	0.3725	<0.0001
KIAA1143	0.897	0.3727	0.0002
NDUFAF3	0.88	0.3728	0.0008
MAL2	0.84	0.3728	<0.0001
ZNF567	0.855	0.3728	<0.0001
C5orf67	0.344	0.3729	<0.0001
PSMG2	0.875	0.373	0.0003
EID2	0.804	0.373	<0.0001
HIST1H4D	0.829	0.373	<0.0001
RNASE1	0.883	0.3731	<0.0001
N4BP3	0.937	0.3732	0.0051
KLHL5	0.819	0.3734	<0.0001
NREP	0.916	0.3736	0.0268
NDUFA3	0.769	0.3736	<0.0001
NIPBL	0.858	0.3736	<0.0001
CARD18	0.776	0.3737	<0.0001
PCGF2	0.827	0.3737	<0.0001
LLPH	0.857	0.3737	<0.0001
MTMR1	0.87	0.3737	<0.0001
SOX2	0.877	0.3738	<0.0001
UBE2I	0.94	0.3739	0.0022
MEOX2	0.81	0.3739	<0.0001
MIR4642	0	0.3741	<0.0001
CPA6	0.704	0.3741	<0.0001
DOCK9	0.821	0.3741	<0.0001

GTF3C6	0.831	0.3741	<0.0001
PLCD4	0.665	0.3745	<0.0001
MED6	0.764	0.3745	<0.0001
WDR74	0.869	0.3745	<0.0001
SSX4B	0.777	0.3746	0.0012
CYB5RL	0.944	0.3746	0.0103
HYAL3	0.777	0.3746	<0.0001
CYP27B1	0.868	0.3746	<0.0001
MIIP	0.796	0.3747	<0.0001
RPS19P1	0.279	0.3749	<0.0001
TIMM10	0.791	0.3749	<0.0001
IGSF8	0.819	0.3749	<0.0001
FHDC1	0.654	0.375	<0.0001
MPPE1	0.882	0.375	<0.0001
RANBP9	0.778	0.3752	<0.0001
BCAS3	0.867	0.3752	<0.0001
ZNF646	0.903	0.3754	0.0002
DDX52	0.918	0.3754	0.0005
GAGE8	0.723	0.3754	0.0013
NOL8	0.911	0.3755	0.0003
FKBP3	0.893	0.3756	<0.0001
MOV10	0.857	0.3757	0.0001
MIR4744	0	0.3758	<0.0001
ISY1	0.89	0.3759	0.0001
ZBTB37	0.893	0.3759	0.0003
LINC00921	0.562	0.3759	0.0284
FRY-AS1	0.851	0.3759	0.0417
IGDCC4	0.689	0.3759	<0.0001
PAPOLG	0.822	0.3759	<0.0001
RNF40	0.854	0.3759	<0.0001
ZNF516	0.916	0.3761	0.0007
TRMT1L	0.652	0.3761	<0.0001
DLX5	0.805	0.3761	<0.0001

GTF2F2	0.815	0.3763	<0.0001
UNC50	0.849	0.3764	<0.0001
LARGE1	0.479	0.3766	<0.0001
ZNF420	0.725	0.3766	<0.0001
HYLS1	0.74	0.3766	<0.0001
RABGAP1	0.84	0.3766	<0.0001
ZEB1	0.874	0.3767	0.0004
POLN	0.652	0.3767	<0.0001
EIF2S2P4	0.427	0.3768	<0.0001
PAPOLA	0.879	0.3768	<0.0001
TECPR1	0.858	0.377	0.0004
GTF3C1	0.798	0.377	<0.0001
NPRL2	0.812	0.377	<0.0001
ZNF716	0.737	0.3771	<0.0001
RHOF	0.738	0.3771	<0.0001
SERAC1	0.77	0.3772	<0.0001
SMAGP	0.777	0.3772	<0.0001
MEX3C	0.819	0.3772	<0.0001
APPL1	0.846	0.3772	<0.0001
ZSCAN22	0.849	0.3772	<0.0001
CBY1	0.869	0.3772	<0.0001
ZSCAN5A	0.689	0.3773	<0.0001
RPL12P37	0.417	0.3774	<0.0001
ADPRHL2	0.787	0.3774	<0.0001
THSD7A	0.83	0.3775	<0.0001
CYCSP39	0	0.3776	<0.0001
FADS3	0.837	0.3777	<0.0001
CHST14	0.85	0.3777	<0.0001
ZBTB3	0.851	0.3777	<0.0001
C15orf65	0.875	0.3778	0.0317
MIR4659B	0.238	0.3779	0.0246
CAPZA1	0.902	0.3779	<0.0001
PRPF38A	0.809	0.378	<0.0001

LOC407835	0.851	0.3781	0.0142
LINC00189	0.598	0.3781	<0.0001
UBN1	0.923	0.3783	0.0005
ATP6V0C	0.959	0.3783	0.0151
RPL7AP14	0	0.3783	<0.0001
CCDC189	0.499	0.3783	<0.0001
RAC1P4	0	0.3785	<0.0001
EP300	0.909	0.3786	<0.0001
DGKH	0.855	0.3788	<0.0001
CGRRF1	0.906	0.3788	<0.0001
RNU2-52P	0	0.3789	<0.0001
DISP3	0	0.3789	<0.0001
UBE2K	0.788	0.3789	<0.0001
HS3ST2	0.833	0.3789	<0.0001
ZNF648	0.738	0.379	<0.0001
ARID1A	0.921	0.3791	0.0002
NPCDR1	0.88	0.3791	0.0024
METTL26	0	0.3791	<0.0001
EEA1	0.836	0.3791	<0.0001
ACOT9	0.889	0.3791	<0.0001
RTEL1-TNFRSF6B	0.096	0.3792	0.0045
CORO2A	0.891	0.3793	<0.0001
LOC101927604	0.188	0.3794	<0.0001
PACRGL	0.825	0.3796	0.0001
MARCKSL1	0.871	0.3796	<0.0001
BID	0.883	0.3796	<0.0001
UBOX5	0.9	0.3797	0.0001
ATP1B3	0.918	0.3797	0.0002
ENTPD1	0.939	0.3797	0.0008
GEMIN8P4	0.602	0.3797	0.0011
FER1L6	0.778	0.3797	<0.0001
KCNMB3	0.904	0.3798	<0.0001
HIST1H2BB	0.859	0.3799	<0.0001

ZNF385D	0.569	0.38	<0.0001
ZNF576	0.738	0.38	<0.0001
SIRT4	0.77	0.38	<0.0001
GPSM1	0.835	0.38	<0.0001
MRPS11	0.848	0.38	<0.0001
FNIP1	0.887	0.3801	<0.0001
HSPA1A	0.887	0.3803	<0.0001
POTEF	0.623	0.3804	0.0002
C12orf56	0.688	0.3805	<0.0001
TMEM54	0.665	0.3807	<0.0001
TUBB4A	0.744	0.3807	<0.0001
TOX4	0.807	0.3807	<0.0001
ATP6V0D1	0.824	0.3807	<0.0001
CETN3	0.898	0.3808	<0.0001
PTGES3L	0.754	0.3809	0.0031
CMC1	0.777	0.3809	<0.0001
MFSD11	0.871	0.3809	<0.0001
CEP19	0.66	0.3811	<0.0001
FIGNL2	0.881	0.3814	0.0083
KRT18P32	0	0.3814	<0.0001
TTLL6	0.391	0.3814	<0.0001
CLSTN1	0.868	0.3814	<0.0001
DKK4	0.691	0.3815	<0.0001
NFKB2	0.855	0.3815	<0.0001
LETM1	0.86	0.3817	<0.0001
HNRNPUL2	0.942	0.3818	0.0053
CCDC61	0.782	0.3819	<0.0001
LSM3	0.896	0.3819	<0.0001
LIMD1	0.797	0.3821	<0.0001
VPS18	0.823	0.3822	<0.0001
CYCS	0.889	0.3822	<0.0001
ANKRD13B	0.919	0.3823	0.0004
SYMPK	0.836	0.3823	<0.0001

GNB2	0.841	0.3824	<0.0001
LINC01571	0	0.3825	<0.0001
WIPI1	0.762	0.3825	<0.0001
SUPT7L	0.939	0.3826	0.0019
SSR4	0.852	0.3826	<0.0001
ZNF384	0.9	0.3827	0.0001
HIST1H4K	0.737	0.383	<0.0001
FRAT2	0.817	0.3831	<0.0001
ZNF826P	0.817	0.3832	0.0034
CKB	0.777	0.3832	<0.0001
APOOL	0.851	0.3832	<0.0001
ARL1	0.907	0.3832	<0.0001
MIR6775	0.327	0.3834	<0.0001
SGSM1	0.811	0.3834	<0.0001
NFU1	0.872	0.3834	<0.0001
PREPL	0.874	0.3834	<0.0001
TEAD3	0.908	0.3835	0.0002
ZNF735	0.597	0.3835	0.0013
SMPD4	0.837	0.3836	0.0003
HNRNPK	0.85	0.3836	<0.0001
CLASP2	0.881	0.3836	<0.0001
SBNO1	0.878	0.3838	<0.0001
DCAF15	0.602	0.3839	<0.0001
VAMP5	0.905	0.3841	0.0002
RNF144A-AS1	0.797	0.3842	0.0098
RING1	0.858	0.3842	<0.0001
PLXNA2	0.783	0.3843	<0.0001
AMZ2	0.797	0.3843	<0.0001
TMEM80	0.833	0.3843	<0.0001
HNRNPM	0.926	0.3845	0.002
PATZ1	0.858	0.3849	<0.0001
TUBA3C	0.382	0.3851	<0.0001
TBCCD1	0.888	0.3851	<0.0001

EGLN2	0.94	0.3852	0.0014
LOC101928525	0	0.3852	<0.0001
SNORD12B	0.564	0.3853	0.0013
GLB1L	0.82	0.3853	<0.0001
ZNF782	0.853	0.3855	<0.0001
GSS	0.804	0.3856	<0.0001
GTF2H1	0.895	0.3857	<0.0001
SKP1P2	0	0.3858	0.021
CD24	0.879	0.3858	<0.0001
GREB1	0.899	0.3858	<0.0001
UPF2	0.874	0.3861	<0.0001
LINC00578	0.059	0.3862	<0.0001
ARID2	0.901	0.3863	0.0002
NRARP	0.679	0.3863	<0.0001
WWP1	0.858	0.3865	<0.0001
TNPO2	0.861	0.3866	<0.0001
LINC00685	0.445	0.3867	<0.0001
FAM193A	0.903	0.3868	0.0004
HAVCR1	0.586	0.3868	<0.0001
ZFP37	0.72	0.3868	<0.0001
HIST1H2BM	0.875	0.3868	<0.0001
STEAP2	0.878	0.387	<0.0001
TNPO1	0.907	0.3872	0.0001
ZNF234	0.901	0.3874	0.0007
TIMM17A	0.792	0.3874	<0.0001
TMEM41B	0.918	0.3875	0.0005
ZBTB6	0.834	0.3875	<0.0001
C8orf89	0	0.3876	<0.0001
RPS26P2	0.027	0.3876	<0.0001
ZNF407	0.897	0.3877	<0.0001
XRCC6P5	0.513	0.3878	0.0257
VN1R48P	0	0.3879	<0.0001
GHDC	0.814	0.388	<0.0001

PCIF1	0.801	0.3884	<0.0001
ENPP4	0.858	0.3884	<0.0001
DHX15	0.936	0.3885	0.0004
FAM53A	0.763	0.3885	<0.0001
RPS2	0.776	0.3885	<0.0001
YBX1	0.899	0.3886	0.0002
TDRD7	0.872	0.3888	<0.0001
SALL2	0.836	0.3892	<0.0001
UBALD2	0.916	0.3893	0.0404
CASD1	0.846	0.3893	<0.0001
RNF215	0.875	0.3893	<0.0001
MCCD1P1	0	0.3897	<0.0001
SNX22	0.743	0.3897	<0.0001
HMGB3	0.815	0.39	<0.0001
CIAPIN1	0.856	0.3902	<0.0001
ITGB1	0.889	0.3902	<0.0001
MAST2	0.894	0.3903	<0.0001
MDH1	0.821	0.3904	<0.0001
DMXL2	0.844	0.3905	<0.0001
NASP	0.871	0.3905	<0.0001
FAU	0.9	0.3905	<0.0001
BGLAP	0.938	0.3906	0.0057
RXRB	0.926	0.3907	0.0006
PWWP2A	0.854	0.3907	<0.0001
DISP2	0.797	0.3908	<0.0001
UBL5	0.915	0.3909	0.0003
MDM4	0.925	0.391	0.0001
CCDC117	0.967	0.3911	0.0192
SGTA	0.856	0.3911	<0.0001
SCAMP1	0.913	0.3912	0.0002
FLJ46875	0.109	0.3912	<0.0001
SHC3	0.843	0.3912	<0.0001
ASPSCR1	0.854	0.3912	<0.0001

ADAMTS9	0.895	0.3912	<0.0001
LOC349160	0.078	0.3913	0.0001
FAM131A	0.819	0.3918	<0.0001
STK38	0.907	0.3918	<0.0001
SREK1IP1	0.809	0.3919	<0.0001
ATL2	0.92	0.392	0.0013
FAM114A2	0.798	0.392	<0.0001
CD151	0.862	0.392	<0.0001
ASCC3	0.851	0.3921	<0.0001
MIR4677	0.502	0.3922	0.0129
FMO1	0.797	0.3922	<0.0001
LINC01006	0.423	0.3923	<0.0001
CDC20B	0.787	0.3923	<0.0001
NAA50	0.821	0.3923	<0.0001
ZBED5-AS1	0.766	0.3927	0.0098
BFAR	0.878	0.3927	<0.0001
GAS8	0.923	0.3929	0.0001
PRELID1P3	0	0.3929	<0.0001
NFE2L1	0.866	0.3929	<0.0001
NOP9	0.92	0.393	0.0496
SVIP	0.845	0.3931	0.0002
PAGE1	0.31	0.3931	<0.0001
PGLS	0.723	0.3931	<0.0001
ATP13A2	0.779	0.3931	<0.0001
TRMT5	0.855	0.3931	<0.0001
UMPS	0.916	0.3932	0.0002
COPRS	0.889	0.3932	0.0207
PSTK	0.853	0.3932	<0.0001
GTF2H3	0.867	0.3933	<0.0001
RPSAP52	0.627	0.3935	0.0007
SLC22A15	0.696	0.3935	<0.0001
FOXP4	0.854	0.3935	<0.0001
ZCCHC7	0.859	0.3937	<0.0001

THUMPD2	0.822	0.3938	<0.0001
LOC101928333	0	0.3939	<0.0001
MPZ	0.716	0.3939	<0.0001
YIPF6	0.877	0.3939	<0.0001
MIR5697	0	0.3941	<0.0001
CEACAM20	0.576	0.3941	<0.0001
CNNM1	0.691	0.3941	<0.0001
TJP1	0.873	0.3941	<0.0001
ZNF273	0.868	0.3942	<0.0001
ENPP2	0.929	0.3943	0.0002
EGF	0.814	0.3945	<0.0001
ARL17B	0.82	0.3946	0.0005
SAMD10	0.879	0.3947	<0.0001
XPO4	0.891	0.3947	<0.0001
TRAV8-5	0	0.3948	<0.0001
HAUS6	0.861	0.3951	<0.0001
RNF121	0.899	0.3952	<0.0001
LINC00519	0.639	0.3953	0.0375
SCD	0.826	0.3953	<0.0001
IKBKE	0.879	0.3953	<0.0001
DNAAF2	0.635	0.3954	<0.0001
NDST1	0.921	0.3955	0.0002
PAAF1	0.758	0.3955	<0.0001
PPM1L	0.725	0.3956	<0.0001
DHDDS	0.809	0.3956	<0.0001
MAPKAPK3	0.87	0.3957	<0.0001
CLCNKA	0.884	0.3958	0.0002
GSKIP	0.764	0.3961	0.001
GADD45GIP1	0.819	0.3961	<0.0001
USP19	0.824	0.3961	<0.0001
OGT	0.946	0.3962	0.0018
ATP6V0E2-AS1	0.546	0.3962	<0.0001
RNU6-315P	0.282	0.3963	<0.0001

MCTP1	0.82	0.3963	<0.0001
HSPE1	0.889	0.3964	<0.0001
FRRS1L	0.296	0.3966	<0.0001
SETMAR	0.679	0.3967	<0.0001
LLGL2	0.901	0.3967	<0.0001
TRIL	0.902	0.3968	0.0034
UFSP1	0.782	0.3968	<0.0001
SLC16A12-AS1	0.476	0.3969	<0.0001
TRMT61A	0.827	0.3969	<0.0001
VRK2	0.877	0.3969	<0.0001
PHLDA2	0.911	0.3972	<0.0001
ZNF343	0.927	0.3974	0.0005
C17orf49	0.918	0.3974	0.0043
SLC4A11	0.813	0.3974	<0.0001
RPS17P2	0	0.3975	<0.0001
ZNF382	0.774	0.3975	<0.0001
RAB40B	0.776	0.3975	<0.0001
RFPL4B	0.6	0.3976	<0.0001
LMCD1-AS1	0.544	0.3977	0.0188
NKAPP1	0.732	0.3978	0.0004
PGAP2	0.785	0.3978	<0.0001
OR2W6P	0.484	0.3979	<0.0001
ETAA1	0.851	0.398	<0.0001
ZNF43	0.858	0.398	<0.0001
TBX4	0.649	0.3981	<0.0001
ANGPT1	0.846	0.3981	<0.0001
ATG3	0.896	0.3981	<0.0001
VN1R42P	0	0.3982	<0.0001
RPL7AP60	0.404	0.3983	<0.0001
FKBP4	0.682	0.3984	<0.0001
YIPF1	0.744	0.3984	<0.0001
ILK	0.964	0.3989	0.0095
DLEU2L	0.924	0.3992	0.0015

SUGP2	0.955	0.3992	0.0335
LOC441722	0.496	0.3992	<0.0001
GPN2	0.866	0.3994	<0.0001
BAGE2	0.825	0.3997	0.0002
SNX18P23	0	0.3997	<0.0001
BANF2	0.868	0.3999	<0.0001
URGCP-MRPS24	0	0.4	0.0034
FAM13C	0.791	0.4001	<0.0001
POLRMT	0.825	0.4001	<0.0001
NRBP2	0.929	0.4002	0.0054
SNORD56	0.752	0.4004	0.0101
DLEU7-AS1	0.631	0.4005	0.0288
ZNF263	0.735	0.4005	<0.0001
L3MBTL1	0.893	0.4006	0.0015
RBBP8	0.91	0.4006	<0.0001
TRAPPC3	0.759	0.4007	<0.0001
WDR41	0.823	0.4007	<0.0001
TBP	0.909	0.4007	<0.0001
RTN2	0.888	0.4008	<0.0001
EGLN3-AS1	0.395	0.401	<0.0001
ZSCAN20	0.796	0.401	<0.0001
PDE1C	0.854	0.401	<0.0001
PABPC1P2	0.407	0.4012	<0.0001
PABPC4	0.801	0.4014	<0.0001
LOC440300	0.416	0.4016	<0.0001
HOXC9	0.673	0.4016	<0.0001
LCLAT1	0.86	0.4016	<0.0001
GNG10	0.965	0.4017	0.0301
STK11IP	0.712	0.4017	<0.0001
ABHD3	0.817	0.4018	<0.0001
HEIH	0.847	0.4019	0.0336
CDHR3	0.789	0.4019	<0.0001
LYAR	0.835	0.402	<0.0001

C3orf67	0.699	0.4021	<0.0001
TMEM42	0.722	0.4021	<0.0001
PDS5A	0.816	0.4021	<0.0001
TP73	0.921	0.4023	0.0002
GBA2	0.932	0.4023	0.0007
INTS9	0.586	0.4023	<0.0001
POLR2I	0.903	0.4024	0.0002
LINC00471	0.745	0.4027	0.0007
RNU6-1266P	0.646	0.4028	0.039
HNRNPL	0.82	0.403	<0.0001
ZNF490	0.968	0.4031	0.0295
LOC100289361	0.444	0.4031	<0.0001
CHPF2	0.779	0.4031	<0.0001
UCKL1	0.838	0.4031	<0.0001
RIMS3	0.863	0.4033	<0.0001
KRT8P45	0	0.4034	<0.0001
WNT5A	0.826	0.4035	<0.0001
DPH5	0.842	0.4038	<0.0001
SDC2	0.89	0.404	<0.0001
MYPOP	0.842	0.4041	<0.0001
VCAN	0.816	0.4042	<0.0001
NDUFA4	0.905	0.4043	<0.0001
IBSP	0.919	0.4043	<0.0001
SGSM3	0.903	0.4044	0.0001
FHL3	0.879	0.4047	<0.0001
NME2P1	0.883	0.405	0.0322
SFMBT1	0.888	0.405	<0.0001
RAD51D	0.669	0.4052	<0.0001
IGSF21	0.879	0.4052	<0.0001
C22orf46	0.561	0.4053	<0.0001
AKR1C2	0.838	0.4053	<0.0001
RAB3A	0.832	0.4054	<0.0001
RPS27	0.894	0.4054	<0.0001

TMEM117	0.8	0.4055	<0.0001
EML4	0.846	0.4055	<0.0001
MARCKS	0.916	0.4055	<0.0001
TBC1D19	0.766	0.4056	<0.0001
KCTD3	0.805	0.4056	<0.0001
PPFIA3	0.851	0.4056	<0.0001
DNAH12	0.563	0.4057	<0.0001
TRMT2B	0.796	0.4057	<0.0001
SERF2	0.905	0.4058	0.001
MAP7D2	0.774	0.4058	<0.0001
GOLM1	0.812	0.4058	<0.0001
ZNF512B	0.897	0.4058	<0.0001
STOX1	0.752	0.4059	<0.0001
CLCC1	0.858	0.4062	<0.0001
PPIL2	0.891	0.4062	<0.0001
ZNF99	0.633	0.4064	<0.0001
SMIM11A	0	0.4065	<0.0001
RFESD	0.85	0.4065	<0.0001
PLA2G7	0.892	0.4065	<0.0001
LRRC61	0.585	0.4066	<0.0001
KIAA0556	0.857	0.4066	<0.0001
AP3M1	0.891	0.4066	<0.0001
DPP8	0.896	0.4066	<0.0001
MIR4766	0.151	0.4067	<0.0001
PSME2	0.851	0.4067	<0.0001
SNAPC2	0.912	0.4067	<0.0001
ME1	0.68	0.4068	<0.0001
FBXW10	0.731	0.4068	<0.0001
DCTN5	0.828	0.407	<0.0001
DDIT3	0.766	0.4071	<0.0001
BIN1	0.85	0.4071	<0.0001
SLC25A33	0.665	0.4072	<0.0001
PDIA4	0.737	0.4072	<0.0001

CRACR2B	0.531	0.4073	0.0486
NOL6	0.86	0.4073	<0.0001
MPLKIP	0.725	0.4074	0.0002
LINC00221	0.886	0.4074	0.0137
SPATA5	0.844	0.4074	<0.0001
TMEM223	0.879	0.4075	0.0005
RAB35	0.792	0.4075	<0.0001
MRPL50	0.806	0.4075	<0.0001
DPM1	0.88	0.4075	<0.0001
NIPA1	0.775	0.4077	<0.0001
QPCTL	0.884	0.4077	<0.0001
AGRN	0.82	0.4079	<0.0001
TIMM44	0.856	0.4079	<0.0001
HPDL	0.833	0.408	<0.0001
GIT2	0.955	0.4081	0.0017
TMIE	0.726	0.4081	<0.0001
MRPL52	0.885	0.4081	<0.0001
LINC01416	0.443	0.4083	<0.0001
KCNMA1-AS3	0	0.4085	<0.0001
ZNF2	0.89	0.4086	0.0002
WSCD1	0.831	0.4086	<0.0001
LMTK2	0.911	0.4086	<0.0001
POTEE	0.847	0.4087	0.0141
BDKRB1	0.836	0.4087	<0.0001
TNIP2	0.853	0.4087	<0.0001
SOCS7	0.914	0.4088	0.0003
NPFFR2	0.735	0.4088	<0.0001
SLC44A3	0.85	0.409	<0.0001
ZNF503-AS2	0.899	0.4093	0.0332
FOXN2	0.841	0.4094	<0.0001
MLH1	0.893	0.4094	<0.0001
MSANTD3	0.793	0.4095	0.001
MNX1-AS2	0.188	0.4095	<0.0001

RTN4IP1	0.783	0.4096	<0.0001
IL4I1	0.84	0.4096	<0.0001
DENND6A	0.812	0.4098	0.0023
SLC35E1	0.861	0.4098	<0.0001
MIR181A2HG	0.372	0.4099	<0.0001
PPP2R2C	0.798	0.4099	<0.0001
SLCO1C1	0.883	0.4099	<0.0001
MAP1B	0.86	0.41	<0.0001
CTBP1	0.731	0.4102	<0.0001
EFR3A	0.834	0.4102	<0.0001
DAZAP1	0.85	0.4103	<0.0001
CTR9	0.89	0.4103	<0.0001
ETV3	0.925	0.4103	<0.0001
TMEM179B	0.911	0.4104	0.0067
ZNF525	0.655	0.4104	<0.0001
DNTTIP2	0.894	0.4104	<0.0001
GAGE12G	0.805	0.4106	0.0023
ATXN2L	0.942	0.4107	0.0004
DEPTOR	0.836	0.4109	0.0001
ZBTB24	0.817	0.4109	<0.0001
LINC01251	0	0.411	<0.0001
SLC16A3	0.771	0.4111	<0.0001
HOMER1	0.78	0.4111	<0.0001
RNF24	0.771	0.4113	<0.0001
LOC728752	0.793	0.4114	0.0109
INPP5F	0.907	0.4114	<0.0001
FEZF1-AS1	0.65	0.4116	0.0264
PNKD	0.887	0.4116	<0.0001
CCZ1	0.791	0.4118	<0.0001
SENP5	0.895	0.4118	<0.0001
MRPL22	0.832	0.4119	<0.0001
LINC01331	0.407	0.4121	<0.0001
SLC26A3	0.724	0.4121	<0.0001

GAGE5	0.81	0.4123	0.0055
PSMG4	0.78	0.4123	<0.0001
CLTCL1	0.835	0.4123	<0.0001
DYNC1I2	0.856	0.4123	<0.0001
PTGFR	0.838	0.4125	<0.0001
SGTB	0.801	0.4126	<0.0001
MEPCE	0.797	0.4128	<0.0001
GPR160	0.832	0.4128	<0.0001
SRI	0.894	0.4128	<0.0001
ZNF616	0.726	0.4129	<0.0001
PIGO	0.789	0.4129	<0.0001
PTOV1-AS1	0.818	0.4131	0.0154
ISCA2P1	0	0.4131	<0.0001
UBP1	0.847	0.4131	<0.0001
SUMF2	0.886	0.4131	<0.0001
PAGE2B	0.619	0.4132	<0.0001
ARHGDI1A	0.888	0.4132	<0.0001
EGFL6	0.84	0.4133	<0.0001
HNRNPA1P27	0	0.4134	<0.0001
PEAK1	0.755	0.4134	<0.0001
FBXO30	0.807	0.4134	<0.0001
GART	0.918	0.4136	<0.0001
TMEM45B	0.797	0.4139	<0.0001
CDK2AP2	0.884	0.4139	<0.0001
GPR35	0.663	0.414	<0.0001
ZNF761	0.82	0.414	<0.0001
KIFC2	0.915	0.4141	0.0003
TYRO3	0.878	0.4141	<0.0001
RAB1A	0.888	0.4141	<0.0001
BTN2A1	0.907	0.4142	<0.0001
FBXW11	0.846	0.4143	<0.0001
KIAA1586	0.897	0.4143	<0.0001
TTC33	0.902	0.4144	<0.0001

SLC12A8	0.65	0.4146	<0.0001
ACTL10	0.897	0.4147	0.0073
PCDHB10	0.574	0.4147	<0.0001
PPP1R8	0.885	0.4147	<0.0001
WIPI2	0.888	0.4147	<0.0001
MIR103B2	0	0.4148	0.0132
ASB6	0.881	0.4148	<0.0001
AIF1L	0.836	0.4149	<0.0001
LOC644656	0.702	0.415	0.0011
TMEM266	0.521	0.4151	0.0399
POMZP3	0.829	0.4151	<0.0001
HOMER3	0.86	0.4151	<0.0001
CLP1	0.874	0.4152	<0.0001
CBLN1	0.892	0.4154	<0.0001
PIGN	0.85	0.4157	<0.0001
LOC100996756	0.534	0.4158	0.0003
TXNL1	0.89	0.4158	<0.0001
SRGAP1	0.674	0.4159	<0.0001
SLC25A24P1	0	0.416	<0.0001
ARHGEF28	0.667	0.416	<0.0001
TP53RK	0.759	0.416	<0.0001
IQSEC1	0.88	0.4162	<0.0001
NOSIP	0.811	0.4163	<0.0001
LOC100506804	0.272	0.4164	0.0076
TRIQQ	0.638	0.4167	0.0002
JADE3	0.746	0.4168	0.0003
SMUG1	0.719	0.4168	<0.0001
POMGNT2	0.616	0.4169	0.0002
HIST1H2BD	0.877	0.4171	<0.0001
TRMT10C	0.777	0.4172	0.0009
FAM8A6P	0	0.4172	<0.0001
MEGF8	0.829	0.4172	<0.0001
LHX4	0.854	0.4173	<0.0001

TMA16	0.805	0.4174	0.0004
BCAM	0.843	0.4174	<0.0001
TMEM131	0.795	0.4175	<0.0001
LINC00662	0.16	0.4176	<0.0001
NKD1	0.659	0.4176	<0.0001
PCDHB2	0.714	0.4176	<0.0001
RNPEPL1	0.794	0.4178	<0.0001
USP42	0.862	0.4178	<0.0001
CCDC28B	0.873	0.4179	<0.0001
SETD4	0.925	0.4181	0.0003
POLR3G	0.796	0.4181	<0.0001
SLMAP	0.799	0.4181	<0.0001
TTC4	0.97	0.4182	0.0416
TSR2	0.832	0.4182	<0.0001
NANP	0.852	0.4182	<0.0001
FAM169A	0.864	0.4183	<0.0001
DAPK3	0.745	0.4184	<0.0001
SLC35B4	0.869	0.4185	<0.0001
STK24	0.905	0.4185	<0.0001
LYRM2	0.844	0.4187	<0.0001
CD2BP2	0.905	0.4187	<0.0001
FDFT1	0.85	0.4188	<0.0001
ARHGAP22	0.873	0.4189	<0.0001
CNTNAP4	0.847	0.4191	<0.0001
DCLRE1A	0.86	0.4193	<0.0001
DYNLT3P2	0	0.4194	<0.0001
EIF2B5	0.848	0.4194	<0.0001
BBX	0.726	0.4195	<0.0001
TMEM255A	0.762	0.4195	<0.0001
PTK7	0.828	0.4195	<0.0001
LCORL	0.88	0.4196	<0.0001
RBMXP1	0	0.4197	<0.0001
TMEM62	0.884	0.4198	<0.0001

SMARCD2	0.837	0.4199	<0.0001
ERCC1	0.865	0.4199	<0.0001
PAGE2	0.272	0.42	<0.0001
ZNF350-AS1	0.331	0.42	<0.0001
INTS5	0.808	0.42	<0.0001
LINC01143	0.344	0.4203	<0.0001
PCOLCE2	0.766	0.4204	<0.0001
MRPS33	0.843	0.4205	<0.0001
SNCG	0.927	0.4207	0.0002
TMED7-TICAM2	0.778	0.4207	0.0126
PDZK1IP1	0.742	0.4207	<0.0001
PRR12	0.472	0.4208	<0.0001
SLC6A10P	0.695	0.4209	0.0001
PLPP7	0	0.4209	<0.0001
MVP	0.845	0.421	<0.0001
CAND1	0.91	0.421	<0.0001
TRIM33	0.92	0.4211	0.0001
LINC01428	0.822	0.4212	0.0167
PRR19	0.811	0.4213	<0.0001
GPX7	0.82	0.4213	<0.0001
TNNC1	0.842	0.4213	<0.0001
LANCL2	0.795	0.4216	<0.0001
MMD	0.88	0.4216	<0.0001
RPS12	0.824	0.4217	<0.0001
FBXL20	0.873	0.4217	<0.0001
ATE1-AS1	0	0.4218	<0.0001
TOP3B	0.825	0.4219	<0.0001
MRPL15	0.905	0.4219	<0.0001
FLNC	0.745	0.422	<0.0001
ZNF252P-AS1	0.656	0.4222	<0.0001
WRB	0.874	0.4222	<0.0001
HYKK	0.714	0.4223	<0.0001
HTR4	0.873	0.4223	<0.0001

FSTL4	0.94	0.4224	0.0003
IDE	0.898	0.4226	<0.0001
WDR4	0.899	0.4226	<0.0001
POLH	0.926	0.4228	0.0003
BBS10	0.894	0.4228	<0.0001
SUN1	0.833	0.4229	<0.0001
ZSCAN12	0.751	0.4232	<0.0001
LOC101928837	0.246	0.4233	<0.0001
EIF4G3	0.87	0.4234	<0.0001
MAGOHB	0.878	0.4235	<0.0001
LINC01605	0.366	0.4236	<0.0001
BRCC3	0.801	0.4237	<0.0001
CNPY4	0.896	0.4237	<0.0001
RPL7AP8	0.177	0.4238	<0.0001
GOLGA6L9	0.627	0.4238	<0.0001
C19orf44	0.796	0.4238	<0.0001
YME1L1	0.924	0.4239	0.0001
HNF1A	0.833	0.4239	<0.0001
LINC01170	0.49	0.424	<0.0001
CXorf40A	0.884	0.4241	<0.0001
UBE2E1	0.862	0.4242	<0.0001
SF3B5	0.834	0.4245	<0.0001
POTEM	0.548	0.4246	<0.0001
ZC3H11A	0.96	0.4248	0.0148
UBE4B	0.839	0.4249	<0.0001
ZNF517	0.921	0.4251	0.0009
SPTSSA	0.7	0.4251	<0.0001
ABL1	0.817	0.4251	<0.0001
ZC3HAV1	0.836	0.4251	<0.0001
RBM14-RBM4	0.665	0.4253	0.0124
BCAS1	0.854	0.4254	<0.0001
AMDHD2	0.876	0.4254	<0.0001
C1QTNF3	0.83	0.4255	<0.0001

RSL24D1P6	0.368	0.4256	<0.0001
SEC11C	0.755	0.4256	<0.0001
NCDN	0.857	0.4256	<0.0001
PAK4	0.887	0.4256	<0.0001
SMKR1	0.88	0.4257	0.0192
WNK1	0.853	0.4258	<0.0001
LINC01546	0.329	0.4259	<0.0001
SNTB1	0.832	0.426	<0.0001
SS18L2	0.812	0.4261	<0.0001
PRPF40B	0.825	0.4263	<0.0001
MOGAT3	0.752	0.4265	<0.0001
MPPED2	0.817	0.4266	<0.0001
LINC01242	0.883	0.4267	0.046
PPP1R13L	0.733	0.4267	<0.0001
EPHB2	0.879	0.4268	<0.0001
MIR6865	0	0.4269	<0.0001
CEP290	0.834	0.4269	<0.0001
PDLIM7	0.867	0.4271	<0.0001
MRPL33	0.883	0.4272	<0.0001
HOMEZ	0.909	0.4273	<0.0001
SEC61B	0.912	0.4273	<0.0001
AP1S3	0.82	0.4274	<0.0001
KRT8P12	0.85	0.4276	0.0005
SNX15	0.971	0.4276	0.0186
KRT20	0.84	0.4276	<0.0001
SYP	0.901	0.4276	<0.0001
GNL3	0.936	0.4279	0.0005
UBLCP1	0.859	0.4279	<0.0001
ZNF319	0.825	0.4281	<0.0001
LOC440434	0.768	0.4283	<0.0001
UBAC2	0.752	0.4286	<0.0001
VAC14	0.843	0.4286	<0.0001
FBXL22	0.872	0.4287	<0.0001

LOC100505715	0.612	0.4288	0.0466
PLCB3	0.816	0.4288	<0.0001
TRIM39	0.918	0.4289	0.0015
GLTP	0.851	0.4289	<0.0001
ARHGAP12	0.856	0.429	<0.0001
ZNF91	0.876	0.429	<0.0001
HIST1H1E	0.901	0.429	<0.0001
RELL2	0.863	0.4291	<0.0001
SPHAR	0.858	0.4292	0.0016
TMEM19	0.822	0.4292	<0.0001
TMEM233	0.788	0.4293	0.0002
CCDC59	0.827	0.4293	<0.0001
SMOX	0.89	0.4293	<0.0001
C15orf48	0.841	0.4294	<0.0001
OSER1	0.88	0.4296	0.0036
ZNF213	0.833	0.4296	<0.0001
DNAJC10	0.876	0.4296	<0.0001
RNU4-55P	0	0.4297	0.0062
HSPA12B	0.835	0.4297	<0.0001
GTF2H2B	0.853	0.4298	0.0016
STXBP5	0.773	0.4298	<0.0001
PRAF2	0.927	0.4299	0.0002
PMS2P3	0.936	0.43	0.0418
LZTS2	0.739	0.43	<0.0001
ATRN	0.853	0.43	<0.0001
CTDSPL2	0.875	0.4301	<0.0001
KDM3A	0.837	0.4302	<0.0001
FGF12	0.856	0.4302	<0.0001
TUBA1A	0.921	0.4303	0.0001
CNPPD1	0.74	0.4305	<0.0001
MEN1	0.911	0.4305	<0.0001
HIST1H4B	0.917	0.4306	0.0008
CHCHD7	0.834	0.4307	<0.0001

COMMD10	0.847	0.4307	<0.0001
KBTBD2	0.855	0.4307	<0.0001
ITGA7	0.92	0.4307	<0.0001
ZNF286A	0.882	0.4308	<0.0001
MIR9-3HG	0.405	0.431	<0.0001
HIST1H4J	0.79	0.4313	<0.0001
MRAS	0.806	0.4313	<0.0001
LGALS8-AS1	0.878	0.4314	0.0101
YDJC	0.765	0.4316	<0.0001
TSEN34	0.838	0.4316	<0.0001
SAP30	0.861	0.4316	<0.0001
LINC00348	0.464	0.4317	<0.0001
COL11A1	0.807	0.432	<0.0001
ADGRB2	0	0.4321	<0.0001
C9orf152	0.596	0.4322	<0.0001
COMMD8	0.841	0.4322	<0.0001
ZNF248	0.926	0.4323	0.0001
BMP4	0.791	0.4323	<0.0001
GAD1	0.836	0.4323	<0.0001
GALNT1	0.89	0.4323	<0.0001
TINF2	0.775	0.4324	<0.0001
VTI1A	0.724	0.4326	<0.0001
HABP4	0.892	0.4326	<0.0001
ZNF45	0.842	0.4328	<0.0001
AJUBA	0.731	0.433	<0.0001
REN	0.812	0.433	<0.0001
CNOT4	0.881	0.4331	<0.0001
SMIM10L1	0	0.4333	<0.0001
LRRC37A3	0.86	0.4333	<0.0001
MYBL1	0.83	0.4334	<0.0001
BMPR1A	0.888	0.4335	<0.0001
CABIN1	0.899	0.4335	<0.0001
ZNF519	0.849	0.4336	<0.0001

XRCC3	0.898	0.4339	<0.0001
ZNF786	0.87	0.434	<0.0001
TXNDC16	0.887	0.434	<0.0001
ZFP14	0.921	0.4343	0.0004
MFGE8	0.843	0.4345	<0.0001
ABCC6P2	0.853	0.4349	0.013
SELENOS	0.421	0.4349	<0.0001
AIMP1	0.815	0.4349	<0.0001
RPL23AP67	0	0.4351	<0.0001
MRTO4	0.799	0.4352	<0.0001
LINC01139	0.677	0.4353	0.0017
ARHGAP18	0.89	0.4353	<0.0001
SOX9	0.848	0.4354	<0.0001
ANKS6	0.884	0.4354	<0.0001
MAP10	0.897	0.4355	0.0128
RNU6-813P	0.58	0.4355	0.0151
USP37	0.881	0.4355	<0.0001
LZIC	0.866	0.4357	<0.0001
HTR1D	0.891	0.4358	<0.0001
POMK	0.732	0.436	0.0007
SNHG1	0.741	0.436	0.001
RPL36A-HNRNPH2	0.397	0.436	<0.0001
NGRN	0.959	0.4362	0.0045
AP5B1	0.849	0.4362	0.0049
TRIM7	0.769	0.4362	<0.0001
PPM1E	0.784	0.4363	<0.0001
GANAB	0.868	0.4363	<0.0001
KDM4A	0.788	0.4365	<0.0001
AGO1	0.852	0.4366	0.0021
OTUB1	0.861	0.4367	<0.0001
UNC119	0.915	0.4367	<0.0001
UBE3D	0.549	0.4368	<0.0001
CKMT1B	0.771	0.4368	<0.0001

TLK1	0.886	0.4369	<0.0001
KBTBD4	0.873	0.437	<0.0001
AUP1	0.85	0.4371	<0.0001
SOS1-IT1	0.538	0.4372	0.0149
RTF1	0.748	0.4372	<0.0001
ST7-AS1	0.85	0.4373	0.0079
ZBTB34	0.901	0.4373	<0.0001
PELI3	0.764	0.4374	<0.0001
ARHGEF37	0.59	0.4375	<0.0001
GPR89A	0.733	0.4375	<0.0001
IRX5	0.908	0.4375	<0.0001
HNRNPA1P7	0	0.4376	<0.0001
B3GLCT	0	0.4379	<0.0001
ZNF93	0.777	0.4379	<0.0001
PLAGL2	0.887	0.4379	<0.0001
PRPF4	0.852	0.438	<0.0001
KCTD10	0.84	0.4383	<0.0001
PQBP1	0.865	0.4383	<0.0001
OAZ1	0.721	0.4385	<0.0001
RPS3	0.696	0.4386	<0.0001
RNF7	0.825	0.4386	<0.0001
NDUFAF5	0.661	0.4388	<0.0001
KANSL1	0.892	0.4389	0.0072
MIR4525	0	0.4389	<0.0001
XAGE5	0.334	0.4389	<0.0001
TFAP4	0.864	0.439	<0.0001
WWC3	0.799	0.4392	<0.0001
VDAC2	0.834	0.4393	<0.0001
C3orf18	0.87	0.4393	<0.0001
LINC01019	0.453	0.4396	<0.0001
ADGRG2	0.478	0.4396	<0.0001
ESYT1	0.841	0.4396	<0.0001
PSMD9	0.924	0.4396	<0.0001

PRDM10	0.933	0.4399	0.0002
NDUFV2-AS1	0.817	0.44	0.0205
PQLC2L	0	0.44	0.0337
KRI1	0.847	0.4402	<0.0001
SCPEP1	0.682	0.4403	<0.0001
MIS18BP1	0.835	0.4404	0.0001
CAMKMT	0.777	0.4405	<0.0001
PGAP1	0.8	0.4406	<0.0001
MDH2	0.835	0.4406	<0.0001
TSPAN5	0.606	0.4407	<0.0001
ZNF607	0.88	0.4407	<0.0001
KL	0.876	0.4408	<0.0001
SCAF1	0.812	0.4409	<0.0001
THOC1	0.873	0.4409	<0.0001
BRPF1	0.876	0.441	<0.0001
CCNO	0.754	0.4411	<0.0001
FKBP14	0.868	0.4411	<0.0001
MCM3AP-AS1	0.936	0.4412	0.0293
ACP1	0.882	0.4412	<0.0001
DFFA	0.89	0.4412	<0.0001
CCNG2	0.864	0.4413	<0.0001
PCID2	0.905	0.4413	<0.0001
RRP1	0.817	0.4415	<0.0001
HSPA8	0.899	0.4415	<0.0001
ZNF704	0.626	0.4416	<0.0001
SCG2	0.753	0.4416	<0.0001
CCDC102B	0.843	0.4416	<0.0001
BRSK1	0.939	0.4417	0.0004
UTP4	0.2	0.4417	<0.0001
COL2A1	0.771	0.4417	<0.0001
HMGCR	0.866	0.4417	<0.0001
APOLD1	0.896	0.4418	<0.0001
ZSCAN26	0.915	0.4419	0.0132

CHCHD2P8	0.463	0.4419	<0.0001
SDCBP	0.897	0.4419	<0.0001
RPA3	0.877	0.442	<0.0001
SOSTDC1	0.712	0.4421	<0.0001
MIR5195	0.187	0.4422	<0.0001
PRAME	0.823	0.4423	<0.0001
SLC18B1	0.834	0.4424	0.0013
KAT2A	0.9	0.4424	<0.0001
RAB15	0.882	0.4425	<0.0001
EMG1	0.913	0.4426	<0.0001
UBE2V2	0.84	0.4429	<0.0001
CLNS1A	0.847	0.4429	<0.0001
PIH1D1	0.832	0.443	<0.0001
PTHLH	0.821	0.4431	<0.0001
DSP	0.849	0.4431	<0.0001
COL7A1	0.843	0.4432	<0.0001
RBM18	0.872	0.4434	<0.0001
MIR548D2	0	0.4435	0.0045
HMMR-AS1	0.652	0.4437	0.0002
HSPD1P5	0	0.4437	<0.0001
SALRNA1	0	0.4437	<0.0001
RRP7A	0.703	0.4437	<0.0001
MED30	0.631	0.4438	<0.0001
ACAN	0.904	0.4439	<0.0001
HSP90B1	0.902	0.4441	<0.0001
SEC22C	0.804	0.4442	<0.0001
KIAA1328	0.861	0.4442	<0.0001
SLC35G2	0.516	0.4443	<0.0001
KDM1B	0.883	0.4443	<0.0001
WASHC2C	0	0.4444	<0.0001
NUDCD2	0.776	0.4445	<0.0001
IRF3	0.873	0.4445	<0.0001
IMMT	0.907	0.4445	<0.0001

ZNF628	0.8	0.4446	<0.0001
PRLR	0.907	0.4447	<0.0001
LINC00383	0.144	0.4449	<0.0001
CCDC14	0.927	0.445	<0.0001
C9orf147	0.613	0.4451	0.0097
ZNF468	0.838	0.4452	<0.0001
IFI35	0.844	0.4452	<0.0001
MKS1	0.799	0.4457	<0.0001
SP1	0.904	0.4457	<0.0001
ZC3H10	0.909	0.4457	<0.0001
HNRNPA1	0.929	0.4458	<0.0001
GJA5	0.942	0.4459	0.0002
GAGE7	0.634	0.4459	<0.0001
PI3	0.723	0.446	<0.0001
RPS20P27	0.673	0.4462	0.0173
ZNF727	0.489	0.4462	<0.0001
CXorf40B	0.881	0.4463	<0.0001
SF3A1	0.851	0.4464	<0.0001
ACSL3	0.889	0.4464	<0.0001
KRT8P22	0	0.4465	<0.0001
RBM4B	0.898	0.4465	<0.0001
ORC5	0.723	0.4467	<0.0001
AGBL3	0.948	0.4468	0.0008
GNL3LP1	0.6	0.4469	0.0423
AFAP1L1	0.854	0.4469	<0.0001
DUS1L	0.857	0.447	<0.0001
BPTF	0.904	0.447	<0.0001
GGA2	0.774	0.4473	<0.0001
ARL17A	0.878	0.4474	0.0015
MMP10	0.755	0.4474	<0.0001
LRIF1	0.86	0.4475	0.0003
GLI4	0.899	0.4476	<0.0001
RNF214	0.925	0.4477	0.0003

C8orf44	0.805	0.4481	<0.0001
FTL	0.837	0.4484	<0.0001
EIF3G	0.866	0.4484	<0.0001
GTF2A2	0.921	0.4484	<0.0001
NT5M	0.859	0.4485	<0.0001
THADA	0.826	0.4487	<0.0001
GAGE6	0.803	0.4488	0.0021
TMEM167A	0.86	0.4488	<0.0001
AMIGO3	0.876	0.449	<0.0001
DQX1	0.667	0.4491	<0.0001
PXK	0.879	0.4491	<0.0001
MBD1	0.941	0.4492	<0.0001
LINC00702	0.832	0.4493	0.0064
VSIG1	0.558	0.4495	<0.0001
MYH9	0.865	0.4495	<0.0001
HSPD1	0.885	0.4497	<0.0001
RPL5P24	0.231	0.4498	<0.0001
GAPDHP60	0.462	0.4499	<0.0001
KLB	0.807	0.4499	<0.0001
ARFGAP1	0.852	0.4501	<0.0001
RASSF3	0.871	0.4501	<0.0001
ARNT	0.921	0.4501	<0.0001
TMC5	0.497	0.4502	<0.0001
SMURF2	0.829	0.4502	<0.0001
ODC1	0.904	0.4504	<0.0001
RPL17	0.972	0.4506	0.0355
FKTN	0.907	0.4506	<0.0001
KLHL42	0.867	0.4507	0.0035
LOC441455	0.733	0.4507	0.0045
MKRN4P	0.237	0.4507	<0.0001
INO80C	0.81	0.4507	<0.0001
SPCS2	0.919	0.4508	0.0001
RPS19BP1	0.825	0.4509	<0.0001

C3orf62	0.877	0.4509	<0.0001
DDX56	0.877	0.451	<0.0001
TRIM56	0.879	0.4512	<0.0001
SRSF12	0.705	0.4513	<0.0001
TAOK2	0.881	0.4518	<0.0001
HIP1	0.85	0.4519	<0.0001
LGALSL	0.817	0.4521	<0.0001
OR2B6	0.859	0.4523	<0.0001
RANGAP1	0.879	0.4523	<0.0001
NXT1	0.924	0.4523	<0.0001
DPH3	0.9	0.4524	<0.0001
MMGT1	0.901	0.4525	0.0003
RPL19P12	0.435	0.4525	<0.0001
KIAA1958	0.885	0.4526	<0.0001
MTMR14	0.921	0.4526	<0.0001
FAM171B	0.878	0.4528	<0.0001
CDC42SE1	0.904	0.4528	<0.0001
PTGDR2	0.695	0.453	<0.0001
CPSF2	0.885	0.453	<0.0001
PRRX1	0.87	0.4531	<0.0001
RPL23AP12	0	0.4532	<0.0001
WARS2	0.839	0.4533	<0.0001
GPBP1	0.857	0.4534	<0.0001
USP31	0.879	0.4534	<0.0001
LINC01448	0	0.4535	<0.0001
SLC38A7	0.795	0.4535	<0.0001
ZBED6	0.865	0.4536	0.0106
ZNF98	0.622	0.4537	<0.0001
ASH1L	0.943	0.454	0.0002
PHIP	0.863	0.4542	<0.0001
CNTNAP1	0.859	0.4543	<0.0001
TMED4	0.869	0.4543	<0.0001
CEP170	0.912	0.4543	<0.0001

EDARADD	0.843	0.4544	<0.0001
CPLX2	0.905	0.4545	<0.0001
VPS39	0.927	0.4545	<0.0001
SUSD4	0.716	0.4546	<0.0001
ORC3	0.848	0.4547	<0.0001
MAP3K11	0.863	0.4547	<0.0001
COX5A	0.888	0.4547	<0.0001
OR2A1-AS1	0.369	0.455	<0.0001
RABGGTB	0.918	0.455	<0.0001
GMDS	0.81	0.4552	<0.0001
UBXN2A	0.895	0.4553	0.0002
RPS2P55	0	0.4553	<0.0001
LRRC69	0.778	0.4554	<0.0001
TBC1D14	0.889	0.4554	<0.0001
MYO18B	0.652	0.4556	<0.0001
CACUL1	0.633	0.4557	<0.0001
DRAM1	0.859	0.4557	<0.0001
RMST	0.69	0.4558	<0.0001
RPL13AP6	0.659	0.4559	0.0037
ZBTB8OSP2	0	0.456	<0.0001
GAL3ST1	0.788	0.456	<0.0001
PDZK1	0.888	0.456	<0.0001
RCE1	0.915	0.4562	<0.0001
DDX54	0.903	0.4563	<0.0001
POLR1C	0.906	0.4563	<0.0001
STRADA	0.963	0.4564	0.02
RPE	0.904	0.4565	<0.0001
TUBA4B	0.665	0.4566	<0.0001
SFI1	0.832	0.4566	<0.0001
MAGEB2	0.829	0.4567	<0.0001
TESK1	0.854	0.4575	<0.0001
ANP32B	0.87	0.4575	<0.0001
KCNU1	0.531	0.4577	<0.0001

C5orf46	0.847	0.4577	<0.0001
ZBTB40	0.905	0.4577	<0.0001
FAM3C2	0.121	0.4578	<0.0001
NOP2	0.846	0.4578	<0.0001
JPH1	0.721	0.4579	<0.0001
LINC01011	0.736	0.458	0.0495
PHF21A	0.825	0.458	<0.0001
WDR77	0.761	0.4582	<0.0001
SLC45A4	0.851	0.4582	<0.0001
RNA5SP108	0.575	0.4583	0.0134
TRIM6	0.819	0.4583	<0.0001
ULK4	0.844	0.4583	<0.0001
MRPL11	0.857	0.4583	<0.0001
DYNC2LI1	0.863	0.4583	<0.0001
ARL6IP6	0.83	0.4586	<0.0001
SNRNP27	0.882	0.4587	<0.0001
DBP	0.858	0.4589	<0.0001
E4F1	0.798	0.459	<0.0001
TTLL12	0.854	0.459	<0.0001
OR8G3P	0.289	0.4591	<0.0001
PRELID2	0.818	0.4592	<0.0001
CCDC47	0.874	0.4592	<0.0001
DDX39BP2	0	0.4595	<0.0001
PRKCD	0.869	0.4598	<0.0001
RNU6-1160P	0.592	0.46	0.0092
EEF1D	0.9	0.46	<0.0001
BAGE3	0.787	0.4601	0.0009
LINC00268	0	0.4601	<0.0001
METTL2B	0.866	0.4603	<0.0001
FRS3	0.89	0.4605	<0.0001
FSTL5	0.538	0.4606	<0.0001
TOMM5	0.918	0.4607	0.001
FLNB	0.859	0.4607	<0.0001

ELK4	0.863	0.4607	<0.0001
FBXW9	0.864	0.4607	<0.0001
PLXNA3	0.815	0.4608	<0.0001
URI1	0.828	0.4609	<0.0001
SLC2A1	0.707	0.461	<0.0001
IGHV3-79	0	0.4615	<0.0001
TFE3	0.908	0.4615	<0.0001
FBXL19-AS1	0.884	0.4616	0.0068
ZNF253	0.728	0.4616	<0.0001
TCP1	0.919	0.4619	0.0005
ARHGEF2	0.833	0.4619	<0.0001
ZW10	0.818	0.462	<0.0001
SGCE	0.88	0.462	<0.0001
RPL23P8	0.792	0.4623	0.0189
ZNF714	0.728	0.4623	<0.0001
PRDX5	0.915	0.4623	<0.0001
TMEM198	0.779	0.4625	<0.0001
ZNF552	0.844	0.4625	<0.0001
TIGD3	0.897	0.4625	<0.0001
CPLX1	0.848	0.4628	<0.0001
ST6GALNAC2	0.853	0.4628	<0.0001
ST3GAL2	0.872	0.4629	<0.0001
DCAF12	0.825	0.4631	<0.0001
MAP7D1	0.848	0.4631	<0.0001
WDR61	0.885	0.4631	<0.0001
HSPA13	0.834	0.4632	<0.0001
CASC11	0.117	0.4633	<0.0001
CPXM1	0.898	0.4633	<0.0001
EXTL3	0.842	0.4635	<0.0001
KIF21A	0.86	0.4635	<0.0001
DNAJC8	0.894	0.4635	<0.0001
MZF1-AS1	0	0.4636	<0.0001
FBXL6	0.799	0.4636	<0.0001

DIO2	0.877	0.4636	<0.0001
GRPR	0.885	0.4636	<0.0001
CEP112	0.734	0.4638	<0.0001
BICD1	0.873	0.4638	<0.0001
ZNF691	0.915	0.4644	<0.0001
IRAK2	0.696	0.4645	<0.0001
PTGES3L-AARSD1	0.673	0.4648	0.0072
MIR6719	0	0.4648	<0.0001
RPS4X	0.911	0.4649	<0.0001
ZSWIM1	0.866	0.465	<0.0001
UBE2N	0.902	0.465	<0.0001
SNAP25-AS1	0.505	0.4652	0.0053
SEZ6L2	0.871	0.4653	<0.0001
DIDO1	0.924	0.4654	<0.0001
ZNF101	0.81	0.4655	<0.0001
EXOC3-AS1	0	0.4656	<0.0001
ZIM2-AS1	0.462	0.4656	<0.0001
RPA1	0.888	0.4656	<0.0001
TSR3	0.862	0.4657	0.0007
LRP4	0.687	0.4657	<0.0001
IER3IP1	0.867	0.4657	<0.0001
IFT172	0.833	0.4658	<0.0001
PPP2CA	0.88	0.4658	<0.0001
SCAMP5	0.835	0.4659	<0.0001
GLUL	0.875	0.4659	<0.0001
KIZ	0.733	0.4661	<0.0001
PABPC3	0.894	0.4661	<0.0001
MAVS	0.908	0.4663	0.0003
ARF3	0.814	0.4664	<0.0001
BRAP	0.861	0.4664	<0.0001
RNU6-759P	0	0.4666	<0.0001
CDK12	0.832	0.4666	<0.0001
SLC25A6P2	0.576	0.4667	0.0079

DPY19L2P3	0.879	0.4668	0.0011
PPP6R1	0.706	0.4669	<0.0001
SNHG3	0.87	0.467	0.0116
KITLG	0.881	0.467	<0.0001
QRICH2	0.757	0.4673	<0.0001
PM20D2	0.806	0.4673	<0.0001
CELSR2	0.842	0.4673	<0.0001
DNLZ	0.969	0.4674	0.017
PARD3	0.821	0.4674	<0.0001
ATF6	0.854	0.4674	<0.0001
STAG2	0.889	0.4675	<0.0001
DAP	0.836	0.4677	<0.0001
CCNK	0.823	0.4679	<0.0001
ZMIZ2	0.912	0.4679	<0.0001
ATP7A	0.876	0.468	<0.0001
HOXD10	0.913	0.468	<0.0001
SLC25A35	0.856	0.4681	<0.0001
IQCB1	0.915	0.4681	<0.0001
ZNF738	0.764	0.4683	<0.0001
CDC42EP4	0.872	0.4683	<0.0001
HMGN2P11	0.511	0.4685	0.0003
LINC00607	0	0.4685	<0.0001
BECN2	0	0.4687	<0.0001
AK6	0.878	0.4688	0.004
PTPN12	0.893	0.4688	<0.0001
ACTG1	0.888	0.4689	<0.0001
L3MBTL2	0.824	0.4691	<0.0001
ME2	0.911	0.4693	<0.0001
APPL2	0.851	0.4695	<0.0001
PPP1R7	0.828	0.4696	<0.0001
MLIP-AS1	0	0.4697	<0.0001
HMGCS1	0.713	0.47	<0.0001
NBN	0.881	0.4702	<0.0001

CALM2	0.933	0.4704	0.0005
MFN1	0.925	0.4705	<0.0001
GLO1	0.865	0.4707	<0.0001
IPO13	0.885	0.4709	<0.0001
HERC2	0.895	0.4709	<0.0001
HSPB2-C11orf52	0.33	0.4711	0.0169
TMEM246-AS1	0	0.4711	<0.0001
RCAN3	0.771	0.4711	<0.0001
ABI1	0.896	0.4711	<0.0001
TMEM182	0.861	0.4712	<0.0001
TAP1	0.866	0.4713	<0.0001
HOXD3	0.905	0.4716	<0.0001
EID2B	0.919	0.4716	<0.0001
AGTRAP	0.809	0.4718	<0.0001
NUP188	0.829	0.4718	<0.0001
BCAP29	0.888	0.4718	<0.0001
SSX2IP	0.772	0.4721	<0.0001
CAPN1	0.844	0.4721	<0.0001
RAB11FIP2	0.881	0.4722	<0.0001
TAB3-AS2	0	0.4723	0.0014
GRINA	0.777	0.4724	<0.0001
MBLAC1	0.859	0.4727	<0.0001
RNU6-725P	0.545	0.4728	0.004
PDIA3	0.866	0.4728	<0.0001
RPP30	0.909	0.4729	<0.0001
IPP	0.915	0.4729	<0.0001
ZNF286B	0.738	0.473	0.0035
ZGRF1	0.911	0.473	0.023
DSCR4-IT1	0	0.473	<0.0001
F13A1	0.749	0.473	<0.0001
MYO9B	0.869	0.4733	<0.0001
TBC1D22A	0.9	0.4733	<0.0001
NR6A1	0.91	0.4733	<0.0001

AP1M1	0.761	0.4737	<0.0001
WDR91	0.851	0.4737	<0.0001
MET	0.874	0.4738	<0.0001
DUSP5P1	0.816	0.4739	0.0009
MIR3939	0	0.4739	<0.0001
CARM1	0.813	0.4744	<0.0001
CENPBD1	0.835	0.4744	<0.0001
MRPL42	0.896	0.4744	<0.0001
SNRNP40	0.846	0.4746	<0.0001
PRKCSH	0.921	0.4746	<0.0001
CST1	0.76	0.4748	<0.0001
USP27X	0.784	0.4748	<0.0001
GNL3L	0.805	0.4751	<0.0001
IFI30	0.969	0.4752	0.0069
LOC643454	0.715	0.4752	0.0091
DDA1	0.756	0.4753	<0.0001
STYXL1	0.791	0.4753	<0.0001
IER5	0.855	0.4756	<0.0001
SDHC	0.858	0.4756	<0.0001
CTSD	0.85	0.4757	<0.0001
C2CD3	0.869	0.4758	<0.0001
MALSU1	0.869	0.4759	0.0019
ATP6V1D	0.875	0.4759	<0.0001
SMURF1	0.888	0.4759	<0.0001
FTLP8	0.441	0.476	<0.0001
PI15	0.883	0.4761	<0.0001
SLC22A11	0.681	0.4762	<0.0001
C1QL1	0.824	0.4762	<0.0001
RAD50	0.84	0.4764	<0.0001
APAF1	0.869	0.4764	<0.0001
TYSND1	0.873	0.4764	<0.0001
PECAM1	0.92	0.4765	<0.0001
TTF1	0.874	0.4767	<0.0001

ERVK3-1	0.748	0.4768	0.029
RPL22L1	0.72	0.4768	<0.0001
LINC01504	0	0.4771	<0.0001
FAM161A	0.755	0.4771	<0.0001
FRMD3	0.811	0.4771	<0.0001
NCLN	0.74	0.4772	<0.0001
CTNNA2	0.763	0.4772	<0.0001
NFXL1	0.834	0.4772	<0.0001
CCDC22	0.895	0.4772	<0.0001
CLIC5	0.813	0.4773	<0.0001
HOXD4	0.845	0.4773	<0.0001
HIST1H2BI	0.9	0.4775	0.0002
ZNF883	0.707	0.4777	<0.0001
LYPLAL1	0.858	0.4777	<0.0001
RAB5B	0.907	0.4777	<0.0001
FAM120AOS	0.862	0.4778	<0.0001
TPM1	0.906	0.4778	<0.0001
LINC01271	0.059	0.4779	<0.0001
ZNF736	0.834	0.4779	<0.0001
DARS	0.879	0.478	<0.0001
ZNF107	0.881	0.478	<0.0001
SEC24C	0.905	0.478	<0.0001
PPT1	0.933	0.4783	<0.0001
ZCCHC4	0.823	0.4785	<0.0001
NOP58	0.789	0.4786	<0.0001
OXA1L	0.863	0.4787	<0.0001
FABP5P3	0.502	0.4788	0.0027
RNF31	0.962	0.4788	0.0033
RC3H2	0.822	0.4788	<0.0001
ZNF764	0.834	0.4789	<0.0001
PLBD2	0.801	0.4794	<0.0001
FUT2	0.855	0.4794	<0.0001
AUNIP	0.866	0.4795	0.0007

SLC35B3	0.838	0.4796	<0.0001
TNRC18	0.904	0.4796	<0.0001
LINC01480	0	0.4797	<0.0001
MRRFP1	0.176	0.4797	<0.0001
ALG13-AS1	0.417	0.4797	<0.0001
NDUFA7	0.962	0.4798	0.0031
RPL29	0.875	0.4798	<0.0001
NUP214	0.862	0.48	<0.0001
AQP8	0.83	0.4801	<0.0001
MRPL45	0.845	0.4801	<0.0001
CTPS2	0.887	0.4801	<0.0001
SRSF9	0.803	0.4802	0.0001
MIR4295	0	0.4802	0.0043
ZBTB26	0.909	0.4802	<0.0001
LOC100132356	0.839	0.4803	0.005
LOC153684	0.84	0.4804	0.0002
RN7SL396P	0.132	0.4804	<0.0001
HAUS4	0.756	0.4804	<0.0001
IVNS1ABP	0.906	0.4804	<0.0001
ZNF131	0.812	0.4805	<0.0001
METTL21A	0.905	0.4807	0.0027
NDUFS2	0.608	0.4807	<0.0001
HSPA1B	0.908	0.4807	<0.0001
U2AF2	0.883	0.4808	<0.0001
UBR7	0.857	0.4809	<0.0001
ZNF335	0.886	0.4816	<0.0001
NAV3	0.733	0.4818	<0.0001
FDCSP	0	0.4819	<0.0001
ARHGAP39	0.763	0.4819	<0.0001
VEZF1	0.885	0.4819	<0.0001
SUPT3H	0.858	0.482	<0.0001
ADAMTS7P1	0	0.4824	<0.0001
HIST1H2AC	0.862	0.4825	<0.0001

TRIM68	0.873	0.4826	<0.0001
KRT10	0.874	0.4826	<0.0001
ANKLE2	0.821	0.4827	<0.0001
MAGEA6	0.859	0.4827	<0.0001
TDGF1	0.829	0.4828	<0.0001
HDDC3	0.87	0.4829	<0.0001
EBF3	0.807	0.4833	<0.0001
ISCA2	0.856	0.4834	<0.0001
CDK2	0.837	0.4835	<0.0001
IGSF1	0.842	0.4835	<0.0001
RPS11	0.928	0.4836	<0.0001
IL17D	0.818	0.4837	<0.0001
SCFD2	0.857	0.4838	<0.0001
MAGEC1	0.871	0.4838	<0.0001
SLC38A9	0.908	0.4838	<0.0001
SNORA70	0.695	0.4839	0.0001
SLC6A9	0.887	0.4841	<0.0001
SIX5	0.898	0.4841	<0.0001
TANGO2	0.886	0.4842	0.0042
LINC00467	0.655	0.4843	<0.0001
TWISTNB	0.799	0.4843	<0.0001
BRK1	0.899	0.4844	0.0045
PRR7	0.849	0.4844	<0.0001
NDUFB3	0.905	0.4846	<0.0001
NHLRC1	0.829	0.4847	<0.0001
RPAP3	0.882	0.4847	<0.0001
C19orf25	0.808	0.4848	<0.0001
CHMP4C	0.679	0.4849	<0.0001
OSBP2	0.893	0.4849	<0.0001
MSI1	0.914	0.4849	<0.0001
RNU7-58P	0.438	0.485	0.0021
RPL28	0.744	0.4852	<0.0001
BBS4	0.89	0.4852	<0.0001

PARL	0.892	0.4853	<0.0001
HIST1H2BL	0.91	0.4853	<0.0001
RNU6-945P	0.748	0.4854	0.0383
LOC101927787	0	0.4855	<0.0001
MRPL30	0.853	0.4855	<0.0001
TAB1	0.735	0.4856	<0.0001
ALCAM	0.863	0.4856	<0.0001
PLXND1	0.877	0.4858	<0.0001
C12orf45	0.772	0.4859	<0.0001
PIAS4	0.881	0.4859	<0.0001
DDX11	0.918	0.486	<0.0001
ATXN2	0.938	0.486	<0.0001
UBIAD1	0.751	0.4861	<0.0001
ODAM	0.605	0.4863	<0.0001
EGLN1	0.849	0.4863	<0.0001
APOO	0.882	0.4863	<0.0001
CSRP2	0.822	0.4864	<0.0001
NAA11	0.264	0.4865	<0.0001
MYL12B	0.894	0.4865	<0.0001
ASNS	0.897	0.4866	<0.0001
DCUN1D5	0.911	0.4866	<0.0001
BPIFB2	0.352	0.4867	<0.0001
RPL10P1	0.267	0.4868	<0.0001
AGGF1	0.89	0.4868	<0.0001
BABAM1	0.714	0.4869	<0.0001
PIK3R3	0.871	0.4869	<0.0001
SNHG4	0.869	0.487	0.0027
ARID4B	0.869	0.4871	<0.0001
RPLP0P1	0	0.4872	<0.0001
STARD3	0.842	0.4872	<0.0001
RGS12	0.919	0.4875	<0.0001
SLC35A2	0.938	0.4875	<0.0001
NELFA	0.663	0.4876	0.0018

COA3	0.861	0.4877	0.0005
SKP1	0.838	0.4879	<0.0001
NUDT2	0.854	0.488	<0.0001
EMC7	0.943	0.4881	0.0177
TCTA	0.808	0.4881	<0.0001
MIR5591	0	0.4883	<0.0001
TEX261	0.87	0.4883	<0.0001
MAEL	0.56	0.4884	<0.0001
EXO3	0.83	0.4885	<0.0001
TMEM138	0.887	0.4885	<0.0001
ANKRD49	0.92	0.4886	<0.0001
SLC25A5P1	0	0.4887	<0.0001
FAM110A	0.889	0.4887	<0.0001
NF1	0.894	0.4888	<0.0001
LZTS1	0.933	0.4889	<0.0001
CPPED1	0.925	0.4892	<0.0001
PLGRKT	0.851	0.4893	0.0005
PARP4P1	0	0.4893	<0.0001
NFKBIL1	0.911	0.4893	<0.0001
MIR3174	0.49	0.4895	<0.0001
RAF1	0.916	0.4895	<0.0001
CCT7P2	0	0.4896	<0.0001
TEX19	0.837	0.4897	<0.0001
CCDC6	0.858	0.4897	<0.0001
MIR1972-1	0	0.4898	<0.0001
RPUSD2	0.887	0.4898	<0.0001
AGPS	0.871	0.4899	<0.0001
PTBP2	0.887	0.4899	<0.0001
MAP1S	0.921	0.4899	<0.0001
HIST1H4A	0.864	0.49	<0.0001
EIF2A	0.805	0.4902	<0.0001
KIF28P	0.222	0.4903	<0.0001
NDUFA6	0.859	0.4904	<0.0001

ZBTB12	0.911	0.4905	<0.0001
TXNDC12	0.869	0.4907	<0.0001
MAGEB17	0.8	0.4908	0.0024
MIR3977	0	0.4909	0.0035
TSEN2	0.791	0.4909	<0.0001
LINC00997	0.698	0.491	0.0016
MYDGF	0.542	0.4911	0.0051
ZNF432	0.86	0.4911	<0.0001
RNU4ATAC3P	0.602	0.4912	0.0395
TMEM165	0.868	0.4913	<0.0001
DNAJC7	0.872	0.4914	<0.0001
EXOSC7	0.899	0.4914	<0.0001
GSDMD	0.672	0.4915	<0.0001
NF2	0.874	0.4915	<0.0001
HMGB1P11	0.493	0.4917	<0.0001
RNU4ATAC5P	0.26	0.4918	0.0019
EDEM2	0.796	0.4918	<0.0001
COL21A1	0.875	0.4918	<0.0001
KCTD20	0.809	0.4919	<0.0001
SRGAP2	0.853	0.4919	<0.0001
ATXN7L3B	0.789	0.492	<0.0001
RAB4A	0.858	0.492	<0.0001
RPL35A	0.885	0.492	<0.0001
NCKIPSD	0.85	0.4921	<0.0001
BCOR	0.899	0.4921	<0.0001
B9D1	0.785	0.4922	<0.0001
UBTD2	0.856	0.4923	<0.0001
DIS3L2	0.912	0.4924	<0.0001
RAB2A	0.849	0.4925	<0.0001
COX7A2L	0.851	0.4925	<0.0001
SNHG17	0.885	0.4926	0.0024
C15orf40	0.863	0.4927	<0.0001
LINC01270	0.688	0.4929	0.0001

PPFIA1	0.821	0.4929	<0.0001
NSUN5P2	0.798	0.4931	0.0011
MTMR2	0.906	0.4933	<0.0001
CAMK2G	0.927	0.4933	<0.0001
LINC01572	0.091	0.4936	<0.0001
ST13P13	0	0.4937	<0.0001
HIST1H2BPS1	0.131	0.4938	0.0009
AAAS	0.878	0.4938	<0.0001
TMEM39A	0.907	0.4938	<0.0001
TSPAN33	0.677	0.4939	<0.0001
IDH3G	0.833	0.4939	<0.0001
P3H1	0.633	0.4941	0.0115
ZNF618	0.898	0.4941	<0.0001
ZNF337	0.882	0.4942	<0.0001
TBX19	0.89	0.4942	<0.0001
WDR83	0.926	0.4943	0.001
VOPP1	0.712	0.4943	<0.0001
MTFP1	0.954	0.4944	0.0186
FAM83C-AS1	0.915	0.4946	0.0261
HMGN2P18	0.434	0.4948	<0.0001
RPS17	0.883	0.4948	<0.0001
DCLRE1C	0.916	0.4948	<0.0001
RPL6	0.85	0.4949	<0.0001
IFT80	0.924	0.495	<0.0001
HIST1H3G	0.842	0.4951	<0.0001
NOMO2	0.877	0.4951	<0.0001
RNF2	0.889	0.4951	<0.0001
BCL6B	0.881	0.4952	<0.0001
ZNF189	0.882	0.4953	<0.0001
EXOSC2	0.894	0.4953	<0.0001
PALLD	0.796	0.4954	<0.0001
ABCB10	0.844	0.4954	<0.0001
GLRX2	0.874	0.4954	<0.0001

HSPBP1	0.883	0.4954	<0.0001
KRT8P23	0.113	0.4955	<0.0001
SP6	0.864	0.4955	<0.0001
NGDN	0.875	0.4956	<0.0001
MIR4312	0.361	0.4958	<0.0001
RNF25	0.761	0.4958	<0.0001
OSTM1	0.828	0.4959	<0.0001
NSMAF	0.835	0.4959	<0.0001
ALG12	0.867	0.4959	<0.0001
ADAMDEC1	0.845	0.496	<0.0001
NOMO3	0.887	0.4961	<0.0001
RPS19	0.827	0.4962	<0.0001
HIST1H3J	0.886	0.4962	<0.0001
DRAM2	0.903	0.4963	0.0002
TTYH3	0.709	0.4963	<0.0001
HNRNPC	0.832	0.4963	<0.0001
SUMO2P3	0.577	0.4964	0.004
POLR2L	0.845	0.4964	<0.0001
LINC00910	0.57	0.4966	<0.0001
CAPN2	0.878	0.4966	<0.0001
VPS26A	0.906	0.4967	<0.0001
PNKP	0.835	0.4968	<0.0001
CMTR1	0.891	0.497	0.0042
DTNBP1	0.878	0.4972	<0.0001
NPM2	0.717	0.4975	<0.0001
HIC2	0.796	0.4976	<0.0001
GALK2	0.869	0.4976	<0.0001
UBFD1	0.855	0.4978	<0.0001
STEAP1B	0.607	0.4979	<0.0001
MAP3K7CL	0.728	0.4979	<0.0001
MATR3	0.929	0.4979	<0.0001
CC2D1B	0.896	0.498	<0.0001
NIN	0.926	0.4981	<0.0001

BTBD10	0.871	0.4983	<0.0001
KCNJ5	0.946	0.4984	<0.0001
COL8A1	0.867	0.4985	<0.0001
DUOX1	0.809	0.4986	<0.0001
TAZ	0.909	0.4986	<0.0001
AP4E1	0.907	0.4987	<0.0001
EIF3M	0.932	0.4988	<0.0001
YTHDF3	0.793	0.4989	<0.0001
RPLP2	0.941	0.499	0.0001
FAM171A2	0.905	0.499	0.0003
FGFR4	0.873	0.499	<0.0001
RSU1	0.907	0.499	<0.0001
PTRH1	0.965	0.4991	0.0049
ATP6V1A	0.894	0.4991	<0.0001
TARS2	0.856	0.4992	<0.0001
UEVLD	0.885	0.4993	<0.0001
DXO	0.954	0.4995	0.0454
CSPP1	0.784	0.4995	<0.0001
C6orf226	0.85	0.4995	<0.0001
TSC1	0.935	0.4995	<0.0001
SMARCC2	0.926	0.4997	<0.0001
LOC389641	0.912	0.4998	0.029
MRPL18	0.831	0.5	<0.0001
TAL2	0.832	0.5005	<0.0001
RPA2	0.869	0.5005	<0.0001
CYP51A1	0.887	0.5005	<0.0001
MAP4K3	0.843	0.5007	<0.0001
DCAF4	0.804	0.5008	<0.0001
CCDC51	0.889	0.5008	<0.0001
CEP83	0.886	0.5009	0.0027
MED29	0.844	0.5009	<0.0001
NXPH4	0.903	0.5011	<0.0001
TWF2	0.885	0.5012	<0.0001

MFAP3	0.838	0.5013	<0.0001
XAGE1A	0.064	0.5014	<0.0001
PPCDC	0.839	0.5018	<0.0001
TUBA4A	0.849	0.5018	<0.0001
PHOSPHO2	0.861	0.5018	<0.0001
LOC101927967	0	0.5019	<0.0001
EPDR1	0.627	0.5019	<0.0001
MRPL49	0.776	0.5019	<0.0001
PRPF4B	0.938	0.5019	<0.0001
OAZ3	0.834	0.502	<0.0001
THOC3	0.848	0.5021	<0.0001
NUCKS1	0.863	0.5021	<0.0001
TMEM230	0.693	0.5023	<0.0001
ZNF85	0.821	0.5023	<0.0001
SPATA45	0.77	0.5027	0.0002
ZNF532	0.712	0.5027	<0.0001
FKBP9P1	0.261	0.5029	<0.0001
CHMP4B	0.86	0.503	<0.0001
MIR1307	0	0.5031	0.0021
DRG2	0.832	0.5032	<0.0001
MOB2	0.934	0.5033	0.0032
NPIPA2	0	0.5033	0.0127
ACSM1	0.665	0.5033	<0.0001
TMEM218	0.751	0.5033	<0.0001
SEC22A	0.843	0.5033	<0.0001
FADS2	0.824	0.5035	<0.0001
RN7SKP79	0.714	0.5037	0.0244
PREB	0.861	0.504	<0.0001
SNHG7	0.792	0.5041	0.0002
TMEM201	0.927	0.5043	0.0006
AFP	0.828	0.5043	<0.0001
OGDH	0.872	0.5043	<0.0001
LINC00648	0.575	0.5044	<0.0001

SLC5A11	0.658	0.5045	<0.0001
TRPC6	0.923	0.5047	<0.0001
FOXCUT	0	0.505	<0.0001
MRPL21	0.826	0.5051	<0.0001
HIST2H3D	0.699	0.5052	<0.0001
E2F6	0.908	0.5052	<0.0001
HCN3	0.778	0.5053	<0.0001
SLAMF8	0.86	0.5053	<0.0001
C1DP1	0	0.5054	<0.0001
ZYX	0.882	0.5056	<0.0001
C2orf69	0.906	0.5056	<0.0001
PPP1R37	0.538	0.5057	<0.0001
TRIM52	0.954	0.5061	0.0004
EXOC8	0.864	0.5061	<0.0001
EEF1G	0.976	0.5062	0.0268
CBX5	0.887	0.5062	<0.0001
NUP210P3	0.118	0.5063	<0.0001
ZNF777	0.882	0.5063	<0.0001
G3BP1	0.902	0.5063	<0.0001
CDC5L	0.901	0.5066	<0.0001
FLJ31104	0.681	0.5067	0.0254
PTOV1	0.928	0.5067	<0.0001
PIGS	0.713	0.5068	<0.0001
PLIN3	0.786	0.5068	<0.0001
U2SURP	0.854	0.5068	<0.0001
PRR3	0.878	0.5068	<0.0001
MOSPD2	0.852	0.5069	<0.0001
GBF1	0.918	0.507	<0.0001
RHPN1-AS1	0.928	0.5073	0.011
EXOSC3P1	0.328	0.5073	<0.0001
AARS	0.793	0.5073	<0.0001
KHDRBS3	0.816	0.5073	<0.0001
MOB3B	0.707	0.5074	<0.0001

SMIM15	0.836	0.5075	0.0005
MFSD13A	0.199	0.5076	<0.0001
XAGE1B	0.729	0.5076	<0.0001
NIPAL3	0.79	0.5077	<0.0001
AKT1S1	0.87	0.5078	<0.0001
LINC00390	0	0.5079	<0.0001
CDC37	0.844	0.5079	<0.0001
TES	0.887	0.5079	<0.0001
ZKSCAN8	0.957	0.5081	0.0348
TTC9	0.851	0.5082	<0.0001
CAMK2N2	0.863	0.5082	<0.0001
CAP1	0.898	0.5082	<0.0001
CPE	0.834	0.5083	<0.0001
ZNF232	0.843	0.5083	<0.0001
ARPC4	0.902	0.5084	<0.0001
ZNF622	0.905	0.5084	<0.0001
HSPA9	0.909	0.5084	<0.0001
LRRC37B	0.826	0.5085	<0.0001
COPS8	0.904	0.5085	<0.0001
NFKBIE	0.86	0.5089	<0.0001
WASF2	0.826	0.5091	<0.0001
TCAM1P	0.467	0.5092	<0.0001
MLST8	0.666	0.5092	<0.0001
HIGD2A	0.898	0.5093	<0.0001
RECQL5	0.912	0.5093	<0.0001
COL5A3	0.768	0.5096	<0.0001
SMAD3	0.887	0.5096	<0.0001
WRAP73	0.659	0.5098	<0.0001
EXOSC3	0.844	0.5098	<0.0001
DCP2	0.871	0.5102	<0.0001
GPATCH3	0.89	0.5103	<0.0001
LOC101928896	0	0.5104	<0.0001
USP11	0.814	0.5104	<0.0001

VPS8	0.927	0.5104	<0.0001
ABCB6	0.904	0.5105	<0.0001
TUBD1	0.856	0.5106	<0.0001
FRMD8	0.831	0.5107	<0.0001
CORO1B	0.912	0.5107	<0.0001
MYCBP	0.868	0.5108	<0.0001
PSEN2	0.878	0.5108	<0.0001
RPGRIP1L	0.783	0.5109	<0.0001
NUCB2	0.831	0.5109	<0.0001
C6orf62	0.858	0.511	<0.0001
ADM2	0.942	0.511	<0.0001
DPH3P1	0.687	0.5111	<0.0001
SCN4A	0.911	0.5111	<0.0001
PMCH	0.919	0.5111	<0.0001
ARMC7	0.939	0.5112	<0.0001
PIN1	0.723	0.5113	<0.0001
WDR26	0.895	0.5113	<0.0001
FBXO27	0.739	0.5114	<0.0001
TMED2	0.869	0.5115	<0.0001
FARSA	0.849	0.5118	<0.0001
TOMM22	0.909	0.5119	<0.0001
SF3B3	0.81	0.512	<0.0001
PPIC	0.916	0.512	<0.0001
NT5C3B	0.486	0.5122	<0.0001
KPTN	0.747	0.5122	<0.0001
ZNF891	0.927	0.5124	0.0106
EVI5L	0.819	0.5124	<0.0001
NPEPPS	0.871	0.5124	<0.0001
TAF5L	0.882	0.5124	<0.0001
PTPMT1	0.918	0.5124	<0.0001
IDH3B	0.866	0.5126	<0.0001
UBTF	0.873	0.5128	<0.0001
KCTD1	0.868	0.513	<0.0001

ERICH2	0.059	0.5131	<0.0001
SRGAP2B	0.16	0.5131	<0.0001
MPP7	0.678	0.5134	<0.0001
LYZ	0.921	0.5134	<0.0001
LRRC45	0.846	0.5135	<0.0001
PUS7L	0.878	0.5136	<0.0001
FBXO5	0.872	0.5137	<0.0001
ASXL2	0.833	0.514	<0.0001
GPS1	0.863	0.5141	<0.0001
SULT1C2P1	0.474	0.5144	<0.0001
ZNF212	0.887	0.5144	<0.0001
HSPA5	0.899	0.5145	<0.0001
AREL1	0.929	0.5147	0.0061
TM4SF20	0.615	0.5147	<0.0001
ZNF77	0.824	0.5149	<0.0001
MCTS1	0.917	0.5149	<0.0001
HIST1H2AJ	0.846	0.5151	<0.0001
FBLN7	0.85	0.5151	<0.0001
RPL26L1	0.88	0.5151	<0.0001
SFT2D3	0.83	0.5152	<0.0001
FAM220CP	0	0.5154	<0.0001
MBOAT7	0.725	0.5154	<0.0001
ALPK3	0.882	0.5155	<0.0001
DYNC1LI1	0.878	0.5158	<0.0001
GYG1	0.918	0.5158	<0.0001
ZC2HC1A	0.762	0.5159	<0.0001
RAB5C	0.841	0.5159	<0.0001
S100A3	0.897	0.5159	<0.0001
SPATA5L1	0.84	0.5163	<0.0001
SNUPN	0.865	0.5163	<0.0001
HILPDA	0.918	0.5164	0.0015
MIER2	0.794	0.5165	<0.0001
DCAF17	0.908	0.5165	<0.0001

TMEM145	0.78	0.5166	<0.0001
CCDC15	0.901	0.5168	<0.0001
SLC22A23	0.806	0.5169	<0.0001
LIN28B	0.579	0.5171	<0.0001
CIB2	0.87	0.5171	<0.0001
SPACA9	0.559	0.5172	0.0152
LOC148709	0.745	0.5172	<0.0001
LOC440028	0.761	0.5173	0.0422
TET1	0.8	0.5173	<0.0001
BAIAP2L1	0.861	0.5174	<0.0001
TMEM161A	0.746	0.5175	<0.0001
SBF1	0.892	0.5176	<0.0001
SMC1A	0.898	0.5177	<0.0001
DOCK7	0.857	0.5178	<0.0001
SLCO6A1	0.628	0.5179	<0.0001
INTS4	0.871	0.5181	<0.0001
MAPKBP1	0.885	0.5182	<0.0001
UIMC1	0.884	0.5184	<0.0001
DHX29	0.868	0.5186	<0.0001
BRD9	0.865	0.5187	<0.0001
CSNK2A3	0.447	0.5188	<0.0001
RPS14	0.875	0.5188	<0.0001
PAIP2	0.916	0.5188	<0.0001
ARL8B	0.896	0.5189	<0.0001
IPO4	0.955	0.5191	0.0001
GLRX3	0.822	0.5191	<0.0001
TMEM178B	0.862	0.5192	0.0035
CLIC1P1	0.613	0.5192	0.0036
PLEKHG2	0.831	0.5194	<0.0001
UBE2L3	0.834	0.5194	<0.0001
KCMF1	0.896	0.5194	<0.0001
GNAL	0.917	0.5194	<0.0001
GEMIN7	0.938	0.5195	<0.0001

EMC3	0.949	0.5196	0.0172
MFSD3	0.748	0.5199	<0.0001
HIST2H2BF	0.865	0.5199	<0.0001
TRAF7	0.873	0.5199	<0.0001
PRRC2A	0.848	0.52	<0.0001
SPIN3	0.968	0.5201	0.0076
SUGP1	0.611	0.5204	<0.0001
LINC00623	0.862	0.5205	0.0097
PPP2R3B	0.924	0.5207	0.0004
MYB	0.823	0.5207	<0.0001
ZC3H8	0.879	0.5207	<0.0001
MCCD1P2	0	0.5208	<0.0001
ADCK1	0.843	0.5208	<0.0001
EFCAB7	0.857	0.5208	<0.0001
HIST1H4I	0.909	0.5208	<0.0001
UQCRB	0.913	0.5208	<0.0001
LOC145783	0.743	0.5209	0.0036
FGF13	0.848	0.5209	<0.0001
STAG1	0.9	0.521	<0.0001
ZMAT5	0.93	0.5211	<0.0001
MORF4L2	0.903	0.5212	<0.0001
TMSB10	0.896	0.5214	<0.0001
RNU4-21P	0	0.5216	<0.0001
MIPOL1	0.749	0.5216	<0.0001
SMAD5	0.883	0.5216	<0.0001
DAGLA	0.812	0.5218	<0.0001
PLOD1	0.842	0.5218	<0.0001
ARMC9	0.868	0.5218	<0.0001
TEX10	0.899	0.5219	<0.0001
NFYC	0.856	0.5221	<0.0001
MED10	0.859	0.5222	<0.0001
CAPN11	0.946	0.5222	<0.0001
C17orf82	0.894	0.5223	<0.0001

POPDC3	0.355	0.5224	<0.0001
MUS81	0.885	0.5224	<0.0001
RN7SL76P	0	0.5225	<0.0001
LINC00880	0.458	0.5225	<0.0001
PABPC1P1	0.482	0.5225	<0.0001
LINC01518	0.491	0.5226	<0.0001
PCBP1	0.897	0.5227	<0.0001
EGFEM1P	0.386	0.5228	<0.0001
HMG2	0.894	0.5228	<0.0001
CD24P4	0	0.5231	<0.0001
SLC25A6	0.923	0.5231	<0.0001
HIST1H1C	0.896	0.5234	<0.0001
CFAP53	0.253	0.5236	<0.0001
TM4SF19	0.753	0.5236	<0.0001
PRKD2	0.87	0.5237	<0.0001
C11orf68	0.849	0.5238	<0.0001
MEF2D	0.869	0.5238	<0.0001
UNC119B	0.812	0.524	<0.0001
MAGO8	0.856	0.5243	<0.0001
HMG2P27	0	0.5245	<0.0001
LOC730101	0.597	0.5245	<0.0001
FAM98C	0.874	0.5246	<0.0001
MTX3	0.911	0.5247	<0.0001
PFAS	0.871	0.525	<0.0001
LINC00491	0.663	0.5252	<0.0001
DPY19L4	0.876	0.5254	<0.0001
RHBDD3	0.884	0.5254	<0.0001
DNAL4	0.825	0.5257	<0.0001
TIMMDC1	0.894	0.5258	0.0006
PEX6	0.863	0.5258	<0.0001
LOC100652758	0.395	0.5259	0.0122
FAM168B	0.83	0.5259	<0.0001
ACTR2	0.888	0.5259	<0.0001

ZNHIT3	0.919	0.5261	<0.0001
RBMX	0.857	0.5262	<0.0001
CLVS1	0.801	0.5263	<0.0001
HIF1AN	0.888	0.5264	<0.0001
PLA2G4C	0.813	0.5265	<0.0001
SLC25A3	0.892	0.5265	<0.0001
C21orf58	0.911	0.5269	<0.0001
PRMT1	0.867	0.527	<0.0001
DDX42	0.87	0.527	<0.0001
GUSBP3	0.699	0.5271	0.001
PCSK5	0.873	0.5271	<0.0001
EXOSC10	0.893	0.5271	<0.0001
TDG	0.935	0.5271	<0.0001
TMEM150B	0.936	0.5272	0.0016
AP2M1	0.863	0.5272	<0.0001
NDUFA12	0.84	0.5273	<0.0001
LRRC37BP1	0.93	0.5274	0.0042
CSAG4	0.182	0.5275	<0.0001
SNRNP200	0.923	0.5277	0.0002
EDEM3	0.88	0.5277	<0.0001
TMEM160	0.864	0.5278	<0.0001
SNRPD3	0.886	0.528	<0.0001
QRICH1	0.91	0.528	<0.0001
PAQR9	0.701	0.5284	<0.0001
SLC25A44	0.879	0.5284	<0.0001
TBRG4	0.883	0.5284	<0.0001
TRAF3	0.87	0.5287	<0.0001
TBC1D22B	0.876	0.5288	<0.0001
GGH	0.885	0.5288	<0.0001
HACE1	0.878	0.5289	<0.0001
CHCHD4	0.879	0.5292	<0.0001
CASP1P2	0	0.5293	<0.0001
KATNA1	0.854	0.5293	<0.0001

MIR23C	0.511	0.5295	0.0025
MYO5A	0.796	0.5295	<0.0001
TRIM47	0.617	0.5296	<0.0001
RPS6KL1	0.737	0.5296	<0.0001
ZNF678	0.854	0.5297	<0.0001
DCAF8L2	0.468	0.5299	<0.0001
FAM81A	0.765	0.5299	<0.0001
PRND	0.733	0.5301	<0.0001
SNX17	0.872	0.5301	<0.0001
SMYD3-IT1	0.555	0.5302	0.0083
ZBED5	0.896	0.5302	<0.0001
NDUFA2	0.918	0.5302	<0.0001
ZNF449	0.931	0.5302	<0.0001
COL1A1	0.778	0.5303	<0.0001
HAUS3	0.807	0.5303	<0.0001
UBE2Q2	0.825	0.5303	<0.0001
GSDMC	0.767	0.5305	<0.0001
TRAPPC4	0.883	0.5305	<0.0001
VCX	0.646	0.5306	<0.0001
KDELR3	0.858	0.5306	<0.0001
COX6A1	0.863	0.5306	<0.0001
VIL1	0.763	0.5309	<0.0001
CNNM4	0.81	0.5309	<0.0001
PDXK	0.838	0.5309	<0.0001
ZNF675	0.867	0.5309	<0.0001
ATP9A	0.891	0.5311	<0.0001
SRP72	0.923	0.5312	<0.0001
SLC48A1	0.78	0.5313	<0.0001
STX4	0.865	0.5313	<0.0001
EIF4ENIF1	0.764	0.5314	<0.0001
RAD9A	0.918	0.5315	<0.0001
MIR3121	0.395	0.5316	0.0018
RPS6KA3	0.847	0.5316	<0.0001

VAMP4	0.905	0.5317	<0.0001
TM9SF4	0.86	0.5318	<0.0001
USP46	0.888	0.5318	<0.0001
MRPS27	0.863	0.5319	<0.0001
SPATA24	0.898	0.5319	<0.0001
CEACAMP10	0	0.532	<0.0001
MAGEA3	0.905	0.532	<0.0001
FUS	0.911	0.5321	<0.0001
RNF216P1	0.698	0.5322	0.0001
FIRRE	0.804	0.5322	0.0015
WAC	0.867	0.5322	<0.0001
HOXD9	0.931	0.5322	<0.0001
STAG3L4	0.734	0.5323	<0.0001
INTS1	0.807	0.5323	<0.0001
GMPPA	0.853	0.5323	<0.0001
CEP97	0.884	0.5323	<0.0001
MUC15	0.615	0.5327	<0.0001
C12orf4	0.789	0.5327	<0.0001
ZNF71	0.886	0.5327	<0.0001
PORCN	0.866	0.533	<0.0001
CHCHD2	0.897	0.5332	<0.0001
KDM1A	0.794	0.5333	<0.0001
RN7SL329P	0.629	0.5334	0.0056
ACTN2	0.839	0.5334	<0.0001
UBXN1	0.867	0.5334	<0.0001
ATG10	0.921	0.5335	<0.0001
B3GALNT1	0.868	0.5336	<0.0001
HUWE1	0.87	0.5336	<0.0001
MIR3164	0	0.5337	<0.0001
OPTN	0.912	0.5337	<0.0001
ZSCAN32	0.95	0.5338	0.0166
TMBIM1	0.87	0.5339	<0.0001
SEPHS1	0.916	0.5339	<0.0001

RPL18	0.84	0.5342	<0.0001
DHRS11	0.678	0.5343	<0.0001
CASP8AP2	0.912	0.5343	<0.0001
ZBTB33	0.814	0.5344	<0.0001
GRWD1	0.836	0.5344	<0.0001
AARSD1	0.968	0.5346	0.0107
MAP3K7	0.935	0.5347	<0.0001
RBM19	0.875	0.5348	<0.0001
RPL21P120	0	0.5349	<0.0001
CEP78	0.792	0.5349	<0.0001
B4GALT6	0.807	0.5353	<0.0001
EIF5A2	0.847	0.5355	<0.0001
ZNF8	0.878	0.5355	<0.0001
RAC3	0.829	0.5356	<0.0001
SNORD52	0.649	0.5361	0.0087
TLDC2	0.844	0.5363	0.0001
ERICH5	0.703	0.5363	<0.0001
MRPL14	0.869	0.5364	<0.0001
C11orf74	0.648	0.5366	<0.0001
RBX1	0.911	0.5366	<0.0001
FLYWCH2	0.893	0.5367	<0.0001
CCDC134	0.91	0.5367	<0.0001
REG1A	0.802	0.5368	<0.0001
RCBTB1	0.86	0.5369	<0.0001
LOC100506302	0.455	0.5371	<0.0001
MAGEA12	0.85	0.5371	<0.0001
FAR2P1	0.084	0.5372	<0.0001
ZCRB1	0.878	0.5372	<0.0001
RNF219	0.768	0.5374	<0.0001
HNRNPA1P10	0.346	0.5376	<0.0001
FOXN4	0.754	0.5376	<0.0001
DOCK6	0.868	0.5376	<0.0001
ZNF681	0.841	0.5377	<0.0001

IPO7	0.874	0.5377	<0.0001
NOP10	0.885	0.5377	<0.0001
LOC440292	0.805	0.5379	0.0116
PGD	0.783	0.5379	<0.0001
CUEDC1	0.802	0.538	<0.0001
TMEM169	0.827	0.5381	<0.0001
RPL37	0.933	0.5381	<0.0001
SAP30BP	0.801	0.5382	<0.0001
CRTAP	0.872	0.5382	<0.0001
RPL7	0.894	0.5382	<0.0001
ZNF138	0.91	0.5382	<0.0001
ZNF852	0.816	0.5384	<0.0001
TRNAU1AP	0.827	0.5384	<0.0001
PKNOX1	0.837	0.5384	<0.0001
DUTP2	0.506	0.5386	0.0443
FAM136A	0.789	0.5386	<0.0001
TMEM64	0.846	0.5386	<0.0001
PLEKHH1	0.857	0.5389	<0.0001
LOC730076	0	0.5392	<0.0001
CSAG2	0.596	0.5393	<0.0001
BRWD3	0.902	0.5395	<0.0001
IGBP1	0.911	0.5395	<0.0001
STK24-AS1	0.582	0.5397	<0.0001
COMP	0.851	0.5398	<0.0001
MKRN2	0.842	0.5399	<0.0001
ANKRD40	0.887	0.5399	<0.0001
EIF5B	0.913	0.5399	<0.0001
IDUA	0.876	0.54	<0.0001
ABCB8	0.886	0.54	<0.0001
SLC7A5P2	0.484	0.5401	<0.0001
FPGT	0.871	0.5401	<0.0001
HIST1H4E	0.897	0.5403	<0.0001
BRF2	0.806	0.5404	<0.0001

MMP1	0.86	0.5404	<0.0001
ANXA2P1	0.879	0.5405	<0.0001
GRK6	0.918	0.5405	<0.0001
RELB	0.864	0.5406	<0.0001
MMP14	0.889	0.5407	<0.0001
HSPH1	0.89	0.5407	<0.0001
DBET	0	0.5408	<0.0001
HDAC8	0.76	0.5408	<0.0001
EOGT	0.772	0.5409	<0.0001
CATIP-AS2	0.472	0.541	<0.0001
CYTH2	0.826	0.541	<0.0001
VAMP7	0.927	0.541	<0.0001
RUNDC3A-AS1	0.462	0.5411	<0.0001
KLHL22	0.822	0.5411	<0.0001
CCL25	0.845	0.5411	<0.0001
NPTN	0.901	0.5411	<0.0001
TDP1	0.916	0.5411	<0.0001
ZNF74	0.897	0.5412	<0.0001
LOC644436	0.467	0.5413	<0.0001
CD320	0.801	0.5413	<0.0001
ARL15	0.924	0.5417	<0.0001
PACS2	0.817	0.542	<0.0001
RPL39	0.838	0.5421	<0.0001
ILDR2	0.908	0.5421	<0.0001
TWF1	0.911	0.5421	<0.0001
PUS1	0.867	0.5423	<0.0001
GHET1	0	0.5425	<0.0001
SKP2	0.861	0.5425	<0.0001
PHTF2	0.847	0.5426	<0.0001
IMMP1L	0.896	0.5426	<0.0001
RAB11A	0.94	0.5426	<0.0001
TRMU	0.812	0.5427	<0.0001
ADSS	0.903	0.5427	<0.0001

STX1A	0.856	0.5429	<0.0001
LZTR1	0.917	0.5429	<0.0001
THOC6	0.785	0.5435	<0.0001
ZBTB22	0.851	0.5435	<0.0001
HMG2P25	0.513	0.5439	<0.0001
SPARCL1	0.89	0.5439	<0.0001
FUCA2	0.864	0.544	<0.0001
TPM2	0.861	0.5442	<0.0001
RNU5A-8P	0.86	0.5443	0.0391
HIST1H3F	0.895	0.5443	<0.0001
SNRPD2P1	0	0.5445	<0.0001
PLAG1	0.784	0.5445	<0.0001
LARP1P1	0	0.5446	<0.0001
RGP1	0.684	0.5446	<0.0001
LOC100287497	0.683	0.5447	0.0005
GPD1L	0.846	0.5449	<0.0001
SNW1	0.887	0.5449	<0.0001
NDE1	0.9	0.5449	<0.0001
MCM8-AS1	0	0.545	<0.0001
FGD6	0.788	0.5451	<0.0001
ERBB3	0.929	0.5451	<0.0001
GAB2	0.909	0.5453	<0.0001
ITGAV	0.875	0.5455	<0.0001
ANKEF1	0.819	0.5456	<0.0001
PGS1	0.857	0.5456	<0.0001
DEGS1	0.878	0.5456	<0.0001
COG1	0.76	0.5462	<0.0001
FTH1P4	0.722	0.5464	0.0016
ARFGEF1	0.848	0.5464	<0.0001
MVD	0.86	0.5464	<0.0001
WDSUB1	0.891	0.5465	<0.0001
LRRC20	0.926	0.5466	<0.0001
COMMD9	0.856	0.5468	<0.0001

CIT	0.89	0.5468	<0.0001
ZNF815P	0.825	0.5469	0.0419
COL24A1	0.631	0.5469	<0.0001
FAM86DP	0.72	0.5475	0.0004
HDAC5	0.924	0.5475	<0.0001
RN7SL752P	0	0.5476	<0.0001
MAP4	0.887	0.5478	<0.0001
ATL3	0.889	0.5483	<0.0001
PTTG2	0.951	0.5484	0.0004
NANS	0.891	0.5484	<0.0001
RHBDF2	0.851	0.5485	<0.0001
ZNF563	0.814	0.5486	<0.0001
TRMT61B	0.817	0.5487	<0.0001
PSMA4	0.878	0.5487	<0.0001
CEP162	0.919	0.5489	0.0055
ZHX2	0.903	0.5489	<0.0001
SCAMP1-AS1	0.797	0.549	0.0022
POLR3A	0.841	0.549	<0.0001
NMT1	0.901	0.549	<0.0001
ZNF146	0.911	0.549	<0.0001
LINC01589	0.473	0.5491	<0.0001
SUMO3	0.879	0.5494	<0.0001
DDAH2	0.823	0.5495	<0.0001
PRPF19	0.882	0.5496	<0.0001
C1orf56	0.879	0.5501	<0.0001
PRTFDC1	0.85	0.5503	<0.0001
RAB4B-EGLN2	0	0.5504	0.0001
MAD2L2	0.763	0.5504	<0.0001
PP7080	0.488	0.5505	<0.0001
EIF1AD	0.824	0.5505	<0.0001
SPAG4	0.76	0.551	<0.0001
RSPH14	0.716	0.5512	0.012
SMO	0.887	0.5513	<0.0001

NUP153	0.92	0.5514	<0.0001
WDR55	0.804	0.5515	<0.0001
RN7SKP106	0.036	0.5516	<0.0001
SRP19	0.933	0.5516	<0.0001
FUNDC1	0.828	0.5519	<0.0001
PRDM15	0.841	0.552	<0.0001
EEF1DP1	0.594	0.5523	<0.0001
NLE1	0.851	0.5524	<0.0001
RGCC	0.948	0.5528	0.0108
BCL2L2-PABPN1	0.222	0.5528	<0.0001
PMS2P1	0.834	0.5528	<0.0001
CRKL	0.926	0.5529	<0.0001
C19orf47	0.82	0.553	<0.0001
CDK2AP1	0.869	0.553	<0.0001
HIST1H2BO	0.908	0.553	<0.0001
ANKZF1	0.914	0.5536	<0.0001
SNRPA1	0.92	0.5536	<0.0001
MSI2	0.824	0.5537	<0.0001
CYB561D1	0.91	0.5538	<0.0001
PIGG	0.793	0.5539	<0.0001
OSR2	0.781	0.554	<0.0001
ELL3	0.87	0.554	<0.0001
WDR5	0.916	0.5541	<0.0001
HIST1H2BH	0.921	0.5541	<0.0001
BLOC1S4	0.82	0.5542	<0.0001
MAN1B1	0.851	0.5544	<0.0001
RPSA	0.852	0.5545	<0.0001
FERMT1	0.809	0.5546	<0.0001
FAM24B	0.863	0.5546	<0.0001
FAM45A	0.917	0.5546	<0.0001
HIST1H3E	0.899	0.5547	<0.0001
ARL2BP	0.909	0.5548	<0.0001
LINC00941	0.368	0.5549	<0.0001

LINC01202	0.112	0.5551	<0.0001
SCAMP2	0.833	0.5552	<0.0001
VPS29	0.91	0.5554	<0.0001
TFAP2A-AS1	0.798	0.5555	0.0002
BRD8	0.94	0.5555	<0.0001
STRN4	0.845	0.5556	<0.0001
DHX30	0.87	0.5556	<0.0001
RNF113A	0.872	0.5556	<0.0001
PHF20	0.879	0.5557	<0.0001
ZNF250	0.819	0.5559	<0.0001
RHEBL1	0.874	0.556	<0.0001
TMEM185B	0.866	0.5561	<0.0001
CDK5R1	0.918	0.5565	<0.0001
WDR92	0.969	0.5566	0.0044
MIR5582	0	0.5567	<0.0001
XRCC4	0.869	0.5569	<0.0001
PPARG	0.89	0.5569	<0.0001
ARF5	0.87	0.5571	<0.0001
RPL27AP5	0.724	0.5577	0.0125
NSDHL	0.714	0.5577	<0.0001
TP53BP1	0.87	0.5577	<0.0001
ATP23	0.187	0.5578	<0.0001
PDCD11	0.821	0.5578	<0.0001
MIR5091	0	0.558	<0.0001
LAMTOR5	0.904	0.5582	0.0008
KLF13	0.877	0.5582	<0.0001
PARP4P2	0	0.5583	<0.0001
IFT74-AS1	0	0.5584	<0.0001
CYB561D2	0.906	0.5585	<0.0001
ACTR3	0.929	0.5585	<0.0001
MTFR1	0.851	0.5588	<0.0001
CSAG1	0.439	0.5589	<0.0001
SLC25A30-AS1	0.833	0.559	0.0364

HIST2H2AB	0.893	0.559	<0.0001
WDR5B	0.915	0.559	<0.0001
COA1	0.893	0.5592	0.0008
MAPK12	0.836	0.5597	<0.0001
NUP210	0.917	0.5597	<0.0001
YIF1B	0.897	0.5598	<0.0001
MYL8P	0.547	0.56	<0.0001
NSD1	0.885	0.5601	<0.0001
CPSF1	0.905	0.5601	<0.0001
ZNF836	0.794	0.5604	<0.0001
KLHDC8B	0.752	0.5606	<0.0001
H2BFS	0.747	0.5608	<0.0001
MLLT11	0.821	0.5609	<0.0001
TMEFF1	0.975	0.561	0.017
ZBTB45	0.868	0.561	<0.0001
RN7SL128P	0	0.5611	<0.0001
GGA3	0.948	0.5612	<0.0001
NT5C3A	0.733	0.5613	<0.0001
TMEM109	0.879	0.5615	<0.0001
MRPL53	0.79	0.5616	<0.0001
ZNF664	0.874	0.5616	<0.0001
SOS1	0.921	0.5617	<0.0001
TFIP11	0.874	0.5619	<0.0001
SEMA3G	0.859	0.562	<0.0001
NRF1	0.846	0.5621	<0.0001
GUK1	0.859	0.5621	<0.0001
KCTD2	0.871	0.5623	<0.0001
MTDH	0.888	0.5624	<0.0001
MIR3145	0	0.5625	<0.0001
NES	0.851	0.5625	<0.0001
PDCD10	0.89	0.5625	<0.0001
SMC1B	0.902	0.5626	<0.0001
FNTB	0.95	0.5631	0.0002

CIART	0.761	0.5632	<0.0001
PGK1	0.886	0.5635	<0.0001
RIOK1	0.86	0.5636	<0.0001
LRRC58	0.887	0.5636	<0.0001
TRAPPC13	0.892	0.5638	0.0004
PNO1	0.88	0.5639	<0.0001
AMN1	0.864	0.564	<0.0001
ZNF787	0.872	0.5643	<0.0001
TAF1B	0.893	0.5644	<0.0001
FICD	0.87	0.5645	<0.0001
LRP12	0.773	0.5646	<0.0001
GLS	0.907	0.5647	<0.0001
RNU6-403P	0	0.5648	<0.0001
KXD1	0.823	0.5649	<0.0001
RPS10P16	0.581	0.5651	0.0387
HHIPL2	0.745	0.5652	<0.0001
ERCC8	0.81	0.5652	<0.0001
SDF2	0.885	0.5652	<0.0001
FAM162B	0.763	0.5654	<0.0001
GNAI1	0.892	0.5663	<0.0001
MIR922	0	0.5664	0.0014
DTNB	0.89	0.5666	<0.0001
NIFK	0.949	0.5667	0.0394
RNA5SP268	0.785	0.5668	0.0061
PSMD10P2	0	0.5668	<0.0001
SNTA1	0.886	0.5668	<0.0001
FAM78B	0.831	0.5669	<0.0001
C12orf65	0.808	0.567	<0.0001
RNF4	0.9	0.567	<0.0001
FAM86EP	0.731	0.5671	0.0005
STOML2	0.75	0.5676	<0.0001
HSP90AA1	0.902	0.5676	<0.0001
SLC39A13	0.831	0.5678	<0.0001

SET	0.882	0.5678	<0.0001
ZMYM3	0.929	0.5678	<0.0001
NUPR1	0.787	0.568	<0.0001
SNRPF	0.887	0.5683	<0.0001
ELFN2	0.846	0.5685	<0.0001
NUP160	0.867	0.5685	<0.0001
GLB1	0.915	0.5685	<0.0001
LARP4B	0.822	0.5686	<0.0001
FATE1	0.894	0.5686	<0.0001
CCDC43	0.935	0.5686	<0.0001
RUNDC1	0.624	0.5687	<0.0001
SFTA1P	0.94	0.5688	0.0107
NAIF1	0.717	0.5688	<0.0001
PTPRF	0.93	0.5688	<0.0001
SRGAP2C	0.919	0.5689	0.0044
LINC00857	0.629	0.5689	<0.0001
GJA1	0.926	0.5689	<0.0001
CENPO	0.906	0.5691	<0.0001
GUCY2C	0.738	0.5692	<0.0001
PLXNA1	0.741	0.5692	<0.0001
BRD3	0.892	0.5692	<0.0001
TNFRSF4	0.949	0.5692	<0.0001
TMEM70	0.836	0.5693	<0.0001
LTA4H	0.899	0.5693	<0.0001
POLRMTP1	0	0.5696	<0.0001
ZNF461	0.835	0.5699	<0.0001
PFDN1	0.866	0.5699	<0.0001
TLK2	0.87	0.5699	<0.0001
FAM118B	0.88	0.57	<0.0001
GFPT1	0.906	0.57	<0.0001
PHB	0.909	0.57	<0.0001
SLC25A5	0.882	0.5702	<0.0001
POLR2J	0.878	0.5703	<0.0001

CSMD1	0.851	0.5704	<0.0001
ZNF385D-AS1	0	0.5706	<0.0001
HIST1H2AB	0.898	0.5706	<0.0001
ANKRD54	0.792	0.5709	<0.0001
RAB24	0.948	0.5712	0.0001
SLC33A1	0.914	0.5712	<0.0001
HPS4	0.927	0.5713	<0.0001
PYCR1	0.868	0.5715	<0.0001
GTSF1	0.418	0.5716	<0.0001
ARL4A	0.845	0.5718	<0.0001
TBC1D20	0.941	0.5718	<0.0001
NPM3	0.788	0.5719	<0.0001
CLPTM1L	0.871	0.572	<0.0001
RNA5SP470	0.527	0.5722	<0.0001
ZNF300	0.719	0.5722	<0.0001
PRC1-AS1	0.335	0.5723	<0.0001
YTHDF1	0.896	0.5723	<0.0001
STARD7	0.912	0.5723	<0.0001
GTF3C5	0.874	0.573	<0.0001
ZFAS1	0.951	0.5731	0.0403
AGAP1	0.835	0.5731	<0.0001
MVB12A	0.684	0.5733	<0.0001
PMS2	0.878	0.5733	<0.0001
MRPL47	0.898	0.5734	<0.0001
RNF44	0.815	0.5735	<0.0001
TMEM44-AS1	0.879	0.5736	0.0054
KLHL21	0.899	0.5736	<0.0001
ATP13A1	0.797	0.5738	<0.0001
CHKA	0.891	0.5738	<0.0001
SRFBP1	0.798	0.5739	<0.0001
METTL2A	0.914	0.5739	<0.0001
RNVU1-3	0	0.5741	<0.0001
CLCN2	0.883	0.5741	<0.0001

GUSBP2	0.903	0.5743	0.0034
AP2B1	0.9	0.5747	<0.0001
ELOVL5	0.913	0.5747	<0.0001
EXOC3	0.9	0.575	<0.0001
ATG13	0.605	0.5751	<0.0001
TRIB3	0.855	0.5751	<0.0001
UBE3C	0.882	0.5751	<0.0001
KTI12	0.797	0.5752	<0.0001
SMAP1	0.932	0.5752	<0.0001
ZDHHC9	0.881	0.5753	<0.0001
TAF12	0.81	0.5754	<0.0001
NACA	0.927	0.5754	<0.0001
SNORD48	0.814	0.5755	<0.0001
KDEL2	0.854	0.5755	<0.0001
DR1	0.878	0.5756	<0.0001
FASN	0.892	0.5756	<0.0001
RTN3	0.867	0.5757	<0.0001
CHCHD2P6	0.59	0.5758	<0.0001
UBE2D2	0.911	0.5758	<0.0001
EPHX4	0.83	0.576	<0.0001
TMEM168	0.84	0.5762	<0.0001
WIZ	0.851	0.5762	<0.0001
NPM1P8	0	0.5764	<0.0001
RPS18	0.9	0.5765	<0.0001
RPN1	0.905	0.5766	<0.0001
TUBB3	0.933	0.5768	<0.0001
KCNE3	0.925	0.5769	<0.0001
BCL7A	0.859	0.5771	<0.0001
VPS37C	0.87	0.5773	<0.0001
DUSP28	0.924	0.5774	<0.0001
PTDSS2	0.755	0.5776	<0.0001
CCDC127	0.833	0.5777	<0.0001
CYP17A1	0.798	0.5778	<0.0001

PTGFRN	0.839	0.578	<0.0001
ZNF346	0.817	0.5781	<0.0001
RB1CC1	0.861	0.5781	<0.0001
METTL1	0.908	0.5782	<0.0001
NOA1	0.912	0.5787	0.0005
KRT18P13	0	0.5787	<0.0001
ELDR	0	0.5788	<0.0001
CLTC	0.931	0.5788	<0.0001
ZHX1	0.85	0.5789	<0.0001
CD63	0.929	0.5791	<0.0001
ZBTB18	0.777	0.5793	<0.0001
GATAD2B	0.897	0.5793	<0.0001
TRIO	0.908	0.5793	<0.0001
EIF4G2	0.922	0.5793	<0.0001
ABT1	0.857	0.5794	<0.0001
PHF5A	0.878	0.5796	<0.0001
CMTM4	0.814	0.5798	<0.0001
HOXD8	0.909	0.5799	<0.0001
RNU7-35P	0.119	0.5801	<0.0001
ARPC2	0.908	0.5802	<0.0001
NOL10	0.907	0.5803	<0.0001
SLU7	0.891	0.5805	<0.0001
LIMK1	0.917	0.5805	<0.0001
ADCK5	0.875	0.5807	<0.0001
MAPKAPK5-AS1	0.877	0.5808	0.0003
ATP6V0D2	0.886	0.5808	<0.0001
SIPA1L2	0.712	0.5809	<0.0001
ANKIB1	0.876	0.581	<0.0001
CHN1	0.855	0.5812	<0.0001
COPB1	0.907	0.5812	<0.0001
HIST1H3A	0.893	0.5814	<0.0001
MED22	0.89	0.5816	<0.0001
PVT1	0.943	0.5817	0.0115

OTUD6B-AS1	0.928	0.5818	0.0388
INPPL1	0.879	0.5818	<0.0001
B3GAT3	0.726	0.5819	<0.0001
LINC01509	0.452	0.582	<0.0001
ADNP2	0.926	0.5822	<0.0001
LOC728743	0.68	0.5826	<0.0001
PTRH2	0.916	0.583	<0.0001
PLPPR4	0.543	0.5831	0.0114
MRPS7	0.724	0.5831	<0.0001
NDUFAF2	0.803	0.5832	<0.0001
UBA52P5	0.017	0.5834	<0.0001
LINC01003	0.39	0.5837	<0.0001
OR6E1P	0.123	0.5838	<0.0001
ELOVL2	0.854	0.5838	<0.0001
MAD2L1BP	0.906	0.5838	<0.0001
PLA2G1B	0.783	0.5841	<0.0001
SLC30A6	0.925	0.5841	<0.0001
ZFAND3	0.808	0.5842	<0.0001
DHX34	0.891	0.5842	<0.0001
ALKBH4	0.892	0.5842	<0.0001
ITPK1	0.846	0.5845	<0.0001
COLEC12	0.857	0.5845	<0.0001
LPCAT1	0.693	0.5846	<0.0001
NSFP1	0.768	0.5847	0.0419
HIST2H3C	0.641	0.5847	<0.0001
CDCA7L	0.732	0.585	<0.0001
MAPK8IP2	0.938	0.585	<0.0001
MYCN	0.837	0.5851	<0.0001
CHMP3	0.796	0.5852	<0.0001
ONECUT2	0.908	0.5853	<0.0001
POLR2H	0.894	0.5856	<0.0001
ATP6AP2	0.908	0.5857	<0.0001
AMBRA1	0.864	0.5858	<0.0001

MXD3	0.868	0.5858	<0.0001
PSMC1P10	0	0.586	<0.0001
UPK3A	0.768	0.586	<0.0001
UTP20	0.889	0.586	<0.0001
LOC646762	0.783	0.5862	0.0003
SLC25A51	0.8	0.5864	<0.0001
MRPL17	0.91	0.5864	<0.0001
GATA2-AS1	0.237	0.5865	<0.0001
SHQ1	0.887	0.5865	<0.0001
DDX23	0.898	0.5865	<0.0001
ASIC1	0.82	0.5866	<0.0001
BTBD3	0.906	0.5866	<0.0001
ACAD9	0.743	0.5867	<0.0001
MED25	0.907	0.5869	<0.0001
IMPAD1	0.83	0.5872	<0.0001
ZNF526	0.901	0.5872	<0.0001
CENPB	0.824	0.5873	<0.0001
ACYP1	0.881	0.5873	<0.0001
STAMBPL1	0.769	0.5874	<0.0001
CBX2	0.932	0.5875	<0.0001
LINC01560	0	0.5876	<0.0001
TRIM71	0.811	0.5876	<0.0001
LIMK2	0.894	0.5876	<0.0001
VPS54	0.905	0.5876	<0.0001
SEC11A	0.837	0.5877	<0.0001
IQCC	0.932	0.5877	<0.0001
FBXO46	0.868	0.5879	<0.0001
PKP4	0.867	0.588	<0.0001
KHSRP	0.833	0.5882	<0.0001
P2RX4	0.849	0.5884	<0.0001
NIFK-AS1	0.871	0.5887	0.0061
PTMA	0.778	0.5887	<0.0001
RBM12	0.925	0.5889	<0.0001

IDI1	0.879	0.589	<0.0001
SLC7A6OS	0.71	0.5892	<0.0001
C6orf136	0.79	0.5894	<0.0001
SF3A2	0.845	0.5894	<0.0001
SHISA4	0.718	0.5896	<0.0001
ECD	0.902	0.5896	<0.0001
PTPRA	0.877	0.5897	<0.0001
FTH1P2	0.814	0.5899	0.022
TEFM	0.905	0.5903	0.0001
ABHD17C	0.608	0.5903	<0.0001
MIR1244-1	0	0.5904	0.0008
SSC4D	0	0.5904	<0.0001
DBR1	0.872	0.5905	<0.0001
BAX	0.911	0.5906	<0.0001
ZNF669	0.91	0.5907	<0.0001
GEMIN5	0.85	0.5908	<0.0001
UBA52	0.904	0.5908	<0.0001
KIAA0232	0.88	0.5909	<0.0001
AGFG1	0.875	0.591	<0.0001
TCTEX1D2	0.838	0.5915	<0.0001
ZNF530	0.763	0.5917	<0.0001
PMFBP1	0.859	0.5917	<0.0001
GMCL1	0.873	0.5918	<0.0001
ASF1A	0.91	0.5919	<0.0001
SULF1	0.752	0.592	<0.0001
MTX2	0.861	0.592	<0.0001
NEK4	0.906	0.592	<0.0001
TMEM251	0.746	0.5921	<0.0001
ARL2	0.793	0.5921	<0.0001
TAOK1	0.899	0.5921	<0.0001
CXorf56	0.921	0.5921	<0.0001
MRPL51	0.878	0.5926	<0.0001
GEMIN2	0.615	0.5928	<0.0001

TATDN3	0.918	0.5928	<0.0001
ACTG1P4	0.34	0.593	0.0321
PCNX3	0.643	0.5931	0.0157
DNAJC5	0.889	0.5932	<0.0001
NME7	0.909	0.5933	<0.0001
THEM6	0.72	0.5934	<0.0001
ERI3	0.864	0.5939	<0.0001
HIST1H2AD	0.894	0.5939	<0.0001
PARG	0.892	0.5941	<0.0001
ZNF3	0.917	0.5943	<0.0001
MED27	0.861	0.5944	<0.0001
NPAS2	0.894	0.5946	<0.0001
TLE1	0.856	0.5947	<0.0001
NDUFA8	0.856	0.5948	<0.0001
CSNK1E	0.886	0.595	<0.0001
RN7SKP97	0.566	0.5951	0.0012
REEP4	0.67	0.5954	<0.0001
POLR3K	0.859	0.5954	<0.0001
USF1	0.88	0.5954	<0.0001
DTD2	0.464	0.5955	<0.0001
FOXS1	0.893	0.5955	<0.0001
HIST1H2AK	0.895	0.5955	<0.0001
SPAST	0.903	0.5955	<0.0001
ARFRP1	0.871	0.5957	<0.0001
ANXA2P3	0.773	0.5958	<0.0001
TCERG1	0.923	0.5958	<0.0001
PFKFB2	0.884	0.5959	<0.0001
DYM	0.888	0.5961	<0.0001
LINC00535	0.851	0.5964	0.0005
CHCHD6	0.838	0.5965	<0.0001
TPM3P9	0.808	0.5967	0.0114
PIGZ	0.689	0.5967	<0.0001
PRDM4	0.837	0.597	<0.0001

CD46	0.887	0.5971	<0.0001
NME1-NME2	0.916	0.5972	0.0231
PTPN23	0.853	0.5972	<0.0001
DENND4B	0.863	0.5974	<0.0001
BCORL1	0.874	0.5974	<0.0001
BTN2A2	0.9	0.5974	<0.0001
ANP32A	0.919	0.5974	<0.0001
PAQR9-AS1	0.342	0.5975	<0.0001
TBL1XR1	0.848	0.5975	<0.0001
CD2AP	0.913	0.5976	<0.0001
UCHL1	0.758	0.5977	<0.0001
SLX4	0.812	0.5977	<0.0001
ARPP19	0.873	0.5978	<0.0001
NUB1	0.914	0.5979	<0.0001
SVIL-AS1	0.585	0.598	0.0175
RNPS1	0.859	0.5981	<0.0001
LINC01526	0	0.5982	<0.0001
ZNF398	0.873	0.5984	<0.0001
EP400	0.89	0.5984	<0.0001
NDUFB1P1	0.285	0.5987	<0.0001
RPP38	0.918	0.5987	<0.0001
NAP1L4	0.88	0.5989	<0.0001
MIR548AR	0.252	0.5991	<0.0001
MED7	0.782	0.5992	<0.0001
MORN2	0.803	0.5992	<0.0001
LINC00346	0.578	0.5994	<0.0001
ACTR6	0.851	0.5994	<0.0001
UGDH	0.891	0.5994	<0.0001
MATN3	0.81	0.5996	<0.0001
VDAC1	0.815	0.5998	<0.0001
STT3B	0.902	0.5998	<0.0001
MCUR1	0.807	0.5999	<0.0001
HIST1H2BN	0.905	0.5999	<0.0001

GSTCD	0.927	0.5999	<0.0001
DNAJB2	0.881	0.6	<0.0001
CD58	0.883	0.6001	<0.0001
RPS16	0.888	0.6001	<0.0001
EXOSC9	0.893	0.6001	<0.0001
POLE3	0.872	0.6002	<0.0001
ATP2C1	0.898	0.6003	<0.0001
SCARA3	0.808	0.6004	<0.0001
AGK	0.899	0.6004	<0.0001
BBOX1-AS1	0.436	0.6006	<0.0001
CEBPA	0.887	0.6006	<0.0001
FAM21EP	0.65	0.6007	0.0221
ZFP69	0.448	0.6007	<0.0001
KHDRBS1	0.928	0.6007	<0.0001
ZKSCAN4	0.826	0.6008	<0.0001
PTBP1	0.889	0.6008	<0.0001
MIR8087	0.031	0.6009	<0.0001
RPUSD1	0.823	0.6009	<0.0001
FBXW8	0.897	0.6013	<0.0001
HMBS	0.877	0.6016	<0.0001
OST4	0.953	0.6017	0.003
RNU6-817P	0.681	0.602	0.0035
PFN4	0.87	0.6021	<0.0001
POGZ	0.924	0.6023	<0.0001
ZNF34	0.729	0.6024	<0.0001
EXOSC1	0.925	0.6026	<0.0001
AFAP1-AS1	0.426	0.603	<0.0001
ASAP3	0.907	0.6032	<0.0001
MIR3681HG	0.376	0.6034	<0.0001
MCU	0.664	0.6034	<0.0001
CENPBD1P1	0.817	0.6034	<0.0001
PNMA1	0.884	0.6034	<0.0001
KCTD7	0.938	0.6034	<0.0001

PRKCA	0.871	0.6035	<0.0001
TLX1	0.895	0.6035	<0.0001
C1orf109	0.856	0.6036	<0.0001
ZNF165	0.771	0.6038	<0.0001
QSER1	0.906	0.6038	<0.0001
EMD	0.9	0.604	<0.0001
CSNK1G1	0.918	0.6047	<0.0001
HNRNPA3	0.933	0.6047	<0.0001
SUPT5H	0.883	0.6048	<0.0001
SSB	0.905	0.6048	<0.0001
HSPD1P6	0.647	0.6052	0.0214
PFKFB4	0.871	0.6053	<0.0001
RNU7-75P	0.519	0.6055	0.0002
HIST2H2AA3	0.948	0.6055	0.0091
PIPSL	0.84	0.6056	0.0002
ADAM10	0.908	0.6057	<0.0001
ZFAT	0.893	0.6058	<0.0001
PTGES2	0.9	0.606	<0.0001
MIR6129	0	0.6061	<0.0001
EIF3EP1	0.472	0.6064	<0.0001
DPM2	0.891	0.6065	<0.0001
VPS35	0.877	0.6066	<0.0001
CALR	0.904	0.6066	<0.0001
FZD6	0.824	0.6067	<0.0001
RACGAP1P	0.899	0.6069	<0.0001
SCGN	0.784	0.6071	<0.0001
KLC2	0.903	0.6072	<0.0001
EXOC6	0.87	0.6073	<0.0001
COPB2	0.886	0.6074	<0.0001
SFRP4	0.887	0.6074	<0.0001
NACC1	0.842	0.6075	<0.0001
SLC39A3	0.881	0.6075	<0.0001
DZIP3	0.895	0.6075	<0.0001

NRCAM	0.767	0.608	<0.0001
NEMP1	0.536	0.6082	0.0057
IGF2BP2-AS1	0.205	0.6082	<0.0001
DPM3	0.849	0.6082	<0.0001
FOXD2	0.915	0.6083	<0.0001
EIF2S2	0.869	0.6084	<0.0001
BAG6	0.883	0.6085	<0.0001
MTPN	0.912	0.6086	<0.0001
ZNF789	0.917	0.6086	<0.0001
MRPS16	0.89	0.6088	<0.0001
SFT2D2	0.87	0.609	<0.0001
PPP1R2	0.909	0.609	<0.0001
EIF3E	0.821	0.6092	<0.0001
BAZ1B	0.9	0.6098	<0.0001
LINC00266-4P	0.795	0.6099	0.0194
TOP1MT	0.838	0.6099	<0.0001
LMO7-AS1	0	0.61	<0.0001
ELOVL2-AS1	0.684	0.6103	<0.0001
GPD2	0.896	0.6104	<0.0001
FMO7P	0	0.6105	<0.0001
ZNF668	0.836	0.6105	<0.0001
MAPK3	0.91	0.6105	<0.0001
LINC01524	0	0.6108	<0.0001
ATP6V0E1	0.909	0.6108	<0.0001
RAB29	0.753	0.6111	<0.0001
MRPL55	0.855	0.6111	<0.0001
DDX46	0.889	0.6112	<0.0001
COA7	0.83	0.6114	<0.0001
CCT8	0.901	0.6115	<0.0001
GSK3A	0.914	0.6115	<0.0001
SRGAP2D	0.043	0.6116	<0.0001
RTN3P1	0.866	0.6118	0.0162
HIST1H3C	0.911	0.6118	<0.0001

RPSAP8	0.159	0.6119	<0.0001
TIMM9	0.917	0.6119	<0.0001
ZDHHC24	0.826	0.6123	<0.0001
AP3D1	0.908	0.6123	<0.0001
PON2	0.914	0.6124	<0.0001
RNA5SP70	0.321	0.6125	<0.0001
RNF181	0.868	0.6125	<0.0001
USP5	0.899	0.6126	<0.0001
ZNF543	0.872	0.6127	<0.0001
DPH6	0.916	0.6131	0.0017
TEAD2	0.715	0.6131	<0.0001
SLC16A1-AS1	0.412	0.6132	<0.0001
PSMA7	0.896	0.6134	<0.0001
ZNF148	0.902	0.6134	<0.0001
UBL7-AS1	0.797	0.6137	0.0002
LSM14A	0.884	0.6137	<0.0001
ATRIP	0.975	0.6139	0.009
SYNJ2	0.857	0.6141	<0.0001
PTPN14	0.861	0.6141	<0.0001
GPR19	0.934	0.6143	<0.0001
TFG	0.89	0.6146	<0.0001
TIGD6	0.927	0.6146	<0.0001
C18orf54	0.893	0.6148	<0.0001
IRX3	0.695	0.615	<0.0001
EEF1A2	0.713	0.615	<0.0001
MAP3K9	0.925	0.615	<0.0001
PSMA1	0.942	0.615	<0.0001
COX20	0.963	0.6151	0.0185
KIAA1211L	0.944	0.6152	0.0032
PPIAP2	0.654	0.6152	0.0456
RAB6B	0.883	0.6152	<0.0001
LOC284561	0	0.6153	<0.0001
SLC12A9	0.877	0.6154	<0.0001

RASD2	0.904	0.6154	<0.0001
C3orf33	0.676	0.6155	<0.0001
HARBI1	0.706	0.6155	<0.0001
FAM53C	0.681	0.6158	<0.0001
ANKRD16	0.888	0.6159	<0.0001
MIR1270	0	0.616	<0.0001
BPNT1	0.91	0.616	<0.0001
IQCD	0.89	0.6162	<0.0001
MRPL10	0.886	0.6163	<0.0001
UBA1	0.756	0.6166	<0.0001
TFPT	0.871	0.6169	<0.0001
PRRT3	0.86	0.6171	<0.0001
SNORD78	0.868	0.6175	0.0275
EFCAB2	0.909	0.6175	<0.0001
THOC5	0.894	0.6176	<0.0001
ZNF555	0.813	0.6177	<0.0001
SMARCB1	0.825	0.6177	<0.0001
NPC2	0.908	0.6185	<0.0001
ATP6V0B	0.872	0.6186	<0.0001
FOXK2	0.932	0.6186	<0.0001
HNRNPAB	0.846	0.619	<0.0001
TAOK3	0.862	0.619	<0.0001
SART3	0.891	0.6193	<0.0001
MIF	0.939	0.6193	<0.0001
LINC01436	0.415	0.6194	<0.0001
RPL23AP3	0.296	0.6197	<0.0001
DLGAP1-AS1	0.597	0.6199	<0.0001
TPP1	0.857	0.62	<0.0001
HLA-F-AS1	0.689	0.6201	<0.0001
ANAPC4	0.893	0.6201	<0.0001
ESF1	0.882	0.6202	<0.0001
MRPS18A	0.823	0.6203	<0.0001
EHD4	0.92	0.6204	<0.0001

TGS1	0.881	0.6206	<0.0001
SNX11	0.854	0.6207	<0.0001
BLOC1S3	0.922	0.6207	<0.0001
HSF1	0.842	0.6208	<0.0001
HNRNPLL	0.905	0.6209	0.0006
MAP4K2	0.907	0.6209	<0.0001
MRPL45P2	0.88	0.621	0.0027
PUSL1	0.792	0.621	<0.0001
SERPINH1	0.84	0.621	<0.0001
GNB1L	0.868	0.6213	<0.0001
NCL	0.921	0.6213	<0.0001
OSGEPL1	0.891	0.6215	<0.0001
PAIP1	0.905	0.6215	<0.0001
CEP128	0.722	0.6218	<0.0001
HIST1H4C	0.897	0.6218	<0.0001
TRAM1L1	0.721	0.6221	<0.0001
DPCD	0.817	0.6225	<0.0001
UTP15	0.84	0.6226	<0.0001
MED8	0.867	0.6226	<0.0001
PARS2	0.886	0.6227	<0.0001
CFAP36	0.402	0.6228	<0.0001
RECQL	0.904	0.6235	<0.0001
PRKAB2	0.922	0.6235	<0.0001
COL5A2	0.841	0.6236	<0.0001
THOC7	0.893	0.6236	<0.0001
SIX1	0.894	0.6236	<0.0001
IPO11	0.931	0.6237	<0.0001
NUDT3	0.947	0.6241	<0.0001
RPL39L	0.866	0.6242	<0.0001
PLEKHF2	0.883	0.6242	<0.0001
CTSV	0.899	0.6243	0.0002
LINC00355	0.776	0.6243	<0.0001
HIST1H2AL	0.914	0.6243	<0.0001

MPHOSPH9	0.931	0.6244	<0.0001
FANCM	0.887	0.6245	<0.0001
GSK3B	0.911	0.6249	<0.0001
GMEB2	0.823	0.625	<0.0001
ERLEC1	0.881	0.6251	<0.0001
GAS5	0.928	0.6251	<0.0001
UHRF1BP1	0.822	0.6252	<0.0001
RNA5SP508	0.762	0.6255	0.0014
LINC00847	0.567	0.6256	<0.0001
RRP12	0.855	0.6256	<0.0001
PXDNL	0.902	0.6256	<0.0001
DEAF1	0.879	0.6257	<0.0001
RPL23A	0.943	0.6257	<0.0001
FAP	0.878	0.6258	<0.0001
UBE2Q2L	0.873	0.626	0.0039
PMS2P4	0.951	0.626	0.0051
SSUH2	0.815	0.626	<0.0001
PXYLP1	0.081	0.6261	<0.0001
GDAP1	0.857	0.6263	<0.0001
ADRM1	0.915	0.6263	<0.0001
CNOT3	0.9	0.6265	<0.0001
RPS7P3	0.174	0.6268	<0.0001
GAPDHP14	0.235	0.627	<0.0001
STK36	0.948	0.627	<0.0001
METTL15P1	0.165	0.6271	<0.0001
CPNE3	0.847	0.6271	<0.0001
FKBPL	0.928	0.6275	<0.0001
METTL4	0.879	0.6277	<0.0001
RPUSD3	0.688	0.6278	<0.0001
FOXK1	0.879	0.6279	<0.0001
TCEA1	0.879	0.6279	<0.0001
LEO1	0.9	0.6279	<0.0001
SLC9A3R1	0.856	0.6282	<0.0001

FLOT1	0.822	0.6283	<0.0001
ACTB	0.916	0.6285	<0.0001
ZEB2P1	0	0.6286	<0.0001
FOXP4-AS1	0.184	0.6287	<0.0001
SWT1	0.78	0.6289	<0.0001
FAF2	0.873	0.6289	<0.0001
DCAF16	0.826	0.629	<0.0001
POP1	0.815	0.6292	<0.0001
MDC1	0.885	0.6292	<0.0001
HIST1H1B	0.924	0.6295	<0.0001
P4HB	0.886	0.6297	<0.0001
RBBP4	0.903	0.6298	<0.0001
CRIP1	0.893	0.6301	<0.0001
SLC26A11	0.868	0.6303	<0.0001
RPL23AP82	0.879	0.6304	0.0009
RNF43	0.793	0.6305	<0.0001
LINC01344	0.419	0.6307	<0.0001
COA4	0.803	0.6308	<0.0001
RPS7	0.878	0.6308	<0.0001
GATAD1	0.915	0.6309	<0.0001
MIR6859-2	0	0.6311	<0.0001
SLC41A1	0.789	0.6311	<0.0001
FTSJ1	0.897	0.6311	<0.0001
COX5BP6	0.171	0.6313	<0.0001
NUDT5	0.767	0.6313	<0.0001
TRPC7-AS1	0	0.6314	<0.0001
LSM12	0.903	0.6316	<0.0001
RNMT	0.914	0.6317	<0.0001
DPAGT1	0.859	0.632	<0.0001
MED19	0.788	0.6324	<0.0001
SP2	0.818	0.6326	<0.0001
CAPZA2	0.92	0.6326	<0.0001
RPL7AP11	0.643	0.6328	0.045

PTDSS1	0.749	0.6328	<0.0001
ZCCHC9	0.772	0.6328	<0.0001
KMT5C	0	0.6329	<0.0001
GK5	0.888	0.6329	<0.0001
ARHGAP19	0.902	0.6332	<0.0001
TRIM65	0.815	0.6334	<0.0001
YEATS4	0.897	0.6334	<0.0001
PIP5K1A	0.912	0.6336	<0.0001
VANGL1	0.778	0.6337	<0.0001
TERF1	0.929	0.6337	<0.0001
EXO5	0.891	0.6338	<0.0001
HOXA10	0.807	0.634	<0.0001
SNX16	0.853	0.634	<0.0001
TERT	0.86	0.634	<0.0001
RPL36A	0.953	0.6341	0.0002
MKKS	0.855	0.6341	<0.0001
ZNF740	0.887	0.6341	<0.0001
PSPHP1	0.615	0.6342	0.0158
ADAM9	0.877	0.6342	<0.0001
VWFP1	0.41	0.6343	<0.0001
EPS15L1	0.801	0.6348	<0.0001
MTMR11	0.828	0.635	<0.0001
POLD3	0.882	0.635	<0.0001
TMEM98	0.81	0.6352	<0.0001
METTL6	0.845	0.6352	<0.0001
GPATCH8	0.899	0.6352	<0.0001
EFCAB11	0.903	0.6353	<0.0001
CWF19L1	0.842	0.6355	<0.0001
MRS2	0.785	0.6357	<0.0001
ZNF92	0.896	0.6359	<0.0001
C19orf53	0.887	0.636	<0.0001
CCDC142	0.915	0.636	<0.0001
BAP1	0.925	0.636	<0.0001

JARID2	0.88	0.6362	<0.0001
JAG2	0.891	0.6362	<0.0001
MECOM	0.802	0.6368	<0.0001
SPIN4	0.75	0.6372	<0.0001
GTF2H2	0.888	0.6373	<0.0001
HIST1H2AH	0.857	0.6377	<0.0001
BLZF1	0.948	0.6382	<0.0001
PLP2	0.791	0.6383	<0.0001
MNAT1	0.863	0.6384	<0.0001
NOP56	0.871	0.6384	<0.0001
RCC1	0.853	0.6385	<0.0001
NAE1	0.854	0.6385	<0.0001
HAUS5	0.822	0.6388	<0.0001
STOML1	0.841	0.6388	<0.0001
ACTR1A	0.869	0.6389	<0.0001
NDUFAF8	0	0.639	<0.0001
TFCP2	0.809	0.6392	<0.0001
RPL19	0.9	0.6392	<0.0001
MFSD6	0.831	0.6393	<0.0001
ADA	0.843	0.6394	<0.0001
TPM3P6	0.126	0.6396	<0.0001
RPL23	0.926	0.6396	<0.0001
C15orf39	0.898	0.6402	<0.0001
CTNNB1	0.9	0.6402	<0.0001
TMC7	0.917	0.6403	<0.0001
MMS19	0.865	0.6404	<0.0001
FGF12-AS3	0.492	0.6407	<0.0001
ANKRD52	0.912	0.6407	<0.0001
CDYL	0.904	0.6408	<0.0001
HDAC2	0.908	0.6414	<0.0001
SOX4	0.84	0.6416	<0.0001
ALDH3A1	0.84	0.6418	<0.0001
LINC01235	0.602	0.6419	0.0168

CLDN15	0.862	0.6419	<0.0001
NOL12	0.959	0.6419	<0.0001
LOX	0.796	0.642	<0.0001
HIST1H2BE	0.861	0.642	<0.0001
MIB1	0.914	0.642	<0.0001
PIEZO2	0.727	0.6424	<0.0001
NSFL1C	0.887	0.6427	<0.0001
GRB2	0.899	0.6432	<0.0001
TDP2	0.687	0.6433	<0.0001
SAMD1	0.884	0.6433	<0.0001
MICALL1	0.816	0.6434	<0.0001
H3F3A	0.96	0.6435	0.0003
SP5	0.794	0.6435	<0.0001
MGC27345	0.807	0.6435	<0.0001
CPNE1	0.879	0.6435	<0.0001
PSENE1	0.825	0.6439	<0.0001
DCTN1	0.872	0.6439	<0.0001
RNU6ATAC32P	0.232	0.644	<0.0001
BECN1	0.862	0.644	<0.0001
STK3	0.809	0.6444	<0.0001
DPP3	0.888	0.6445	<0.0001
COX6CP2	0	0.6448	<0.0001
TCEANC2	0.736	0.6448	<0.0001
PSMC5	0.857	0.645	<0.0001
IFT27	0.813	0.6452	<0.0001
DBNDD1	0.899	0.6454	<0.0001
NDUFS8	0.768	0.6458	<0.0001
HIST1H2BK	0.872	0.6458	<0.0001
VPS33B	0.873	0.6458	<0.0001
ZP3	0.881	0.6459	<0.0001
TTC9C	0.914	0.6465	<0.0001
AADACL2-AS1	0	0.6466	<0.0001
PLA2G4E-AS1	0.009	0.6466	<0.0001

CRELD2	0.872	0.6466	<0.0001
EFNA3	0.892	0.6466	<0.0001
ZFPL1	0.956	0.6467	<0.0001
NSUN5P1	0.973	0.6469	0.0249
ZSCAN21	0.844	0.6469	<0.0001
CASC20	0.373	0.6472	<0.0001
ZNF416	0.865	0.6474	<0.0001
LOC389834	0.677	0.6475	<0.0001
SLC25A14	0.886	0.6476	<0.0001
SNX8	0.924	0.6477	<0.0001
SOX12	0.864	0.6478	<0.0001
SMPX	0.799	0.648	<0.0001
ZNF672	0.82	0.648	<0.0001
AIMP2	0.906	0.6481	<0.0001
HSDL1	0.794	0.6482	<0.0001
MIR3143	0.772	0.6484	0.0192
C2orf68	0.807	0.6487	<0.0001
SLC29A1	0.894	0.6488	<0.0001
KATNB1	0.882	0.6489	<0.0001
HMGA1P1	0	0.649	<0.0001
STRIP1	0.864	0.649	<0.0001
FABP5P7	0	0.6495	<0.0001
G6PC3	0.817	0.6495	<0.0001
MED1	0.89	0.6496	<0.0001
ZNF217	0.902	0.6497	<0.0001
RNF144A	0.838	0.65	<0.0001
PACSIN2	0.809	0.6502	<0.0001
FABP5P1	0.634	0.6506	0.0018
CLPTM1	0.827	0.6506	<0.0001
PCNX2	0.259	0.6507	<0.0001
POLR2D	0.847	0.6507	<0.0001
DNTTIP1	0.848	0.6507	<0.0001
MSX1	0.885	0.6507	<0.0001

ZNF730	0.558	0.6512	<0.0001
SMS	0.915	0.6516	<0.0001
TSTA3	0.808	0.6518	<0.0001
CCDC112	0.84	0.6518	<0.0001
VPS52	0.858	0.6518	<0.0001
CEP85	0.882	0.652	<0.0001
DDX59	0.899	0.652	<0.0001
KPNA4	0.909	0.652	<0.0001
ZNF184	0.839	0.6521	<0.0001
C11orf80	0.822	0.6524	<0.0001
SLC39A6	0.898	0.6526	<0.0001
FASTKD3	0.908	0.6527	<0.0001
DERL1	0.855	0.6528	<0.0001
MAGEC2	0.72	0.6529	<0.0001
ALOX12-AS1	0.708	0.6533	0.0262
RIT1	0.831	0.6535	<0.0001
SPIRE2	0.745	0.6536	<0.0001
KIF22	0.958	0.6538	<0.0001
UPF3AP2	0	0.654	<0.0001
RASL12	0.898	0.654	<0.0001
DRC7	0.686	0.6542	0.0027
HNRNPR	0.844	0.6544	<0.0001
ASAP1	0.783	0.6548	<0.0001
PPHLN1	0.867	0.6551	<0.0001
KIN	0.887	0.6551	<0.0001
BUD13	0.874	0.6552	<0.0001
NLK	0.908	0.6553	<0.0001
QSOX2	0.886	0.6555	<0.0001
TMUB2	0.918	0.6557	<0.0001
RPL12P33	0	0.6558	<0.0001
MTR	0.899	0.6558	<0.0001
VPS16	0.857	0.6559	<0.0001
RAB13	0.851	0.6564	<0.0001

CYB561A3	0.712	0.6567	<0.0001
VWF	0.892	0.6567	<0.0001
VCP	0.79	0.657	<0.0001
DYDC2	0.866	0.657	<0.0001
CHD8	0.888	0.6572	<0.0001
MPP6	0.778	0.6574	<0.0001
FOXD2-AS1	0.78	0.6575	<0.0001
TBCD	0.87	0.6576	<0.0001
NME6	0.904	0.6576	<0.0001
ZBED4	0.872	0.6577	<0.0001
MPV17L2	0.698	0.6578	<0.0001
FOCAD-AS1	0	0.6579	<0.0001
DHX37	0.82	0.658	<0.0001
DDX55	0.9	0.658	<0.0001
CDC27	0.906	0.6581	<0.0001
BAIAP2L2	0.784	0.6582	<0.0001
SPRYD3	0.681	0.6583	<0.0001
PAPSS1	0.89	0.6586	<0.0001
DGCR2	0.858	0.6588	<0.0001
ATF6B	0.888	0.6591	<0.0001
GBP2	0.882	0.6592	<0.0001
IQCE	0.821	0.6596	<0.0001
ARPC3	0.876	0.6597	<0.0001
LINC01124	0.69	0.6598	0.0018
RTCA	0.783	0.6598	<0.0001
UNG	0.86	0.6599	<0.0001
MOSPD1	0.878	0.66	<0.0001
XRCC2	0.961	0.6603	<0.0001
DYRK2	0.875	0.6604	<0.0001
SLC22A5	0.919	0.6604	<0.0001
SSR3	0.865	0.6606	<0.0001
ZNF746	0.852	0.6607	<0.0001
RPS20	0.9	0.6607	<0.0001

PALB2	0.846	0.6608	<0.0001
PIGX	0.878	0.6608	<0.0001
WRNIP1	0.897	0.6608	<0.0001
NCOA5	0.825	0.6612	<0.0001
NCOA2	0.88	0.6612	<0.0001
SOCS5	0.929	0.6614	<0.0001
OR11Q1P	0	0.6616	<0.0001
RCC2	0.855	0.6616	<0.0001
ARPC1B	0.803	0.6618	<0.0001
ELAVL1	0.905	0.6618	<0.0001
DYNC1H1	0.497	0.662	<0.0001
GTF2I	0.918	0.6621	<0.0001
PURB	0.856	0.6625	<0.0001
SLC35A4	0.832	0.6627	<0.0001
TRAF5	0.866	0.6627	<0.0001
SPATA2	0.834	0.6633	<0.0001
DLG5-AS1	0.968	0.6634	0.0481
CCDC88A	0.75	0.6634	<0.0001
HAT1	0.922	0.6634	<0.0001
PLAU	0.87	0.6635	<0.0001
LINC00328	0.647	0.6637	<0.0001
PJA1	0.865	0.6638	<0.0001
DHRS13	0.823	0.664	<0.0001
PDGFA	0.87	0.6643	<0.0001
RFC2	0.911	0.6643	<0.0001
GNL2	0.882	0.6644	<0.0001
PPP1R14B	0.795	0.6645	<0.0001
FAM86C1	0.8	0.6645	<0.0001
RPSAP69	0.066	0.6647	<0.0001
ENOX2	0.904	0.6649	<0.0001
EED	0.917	0.6652	<0.0001
ARPIN	0.813	0.6654	<0.0001
PDGFB	0.94	0.6655	<0.0001

RBM22	0.758	0.6656	<0.0001
HPS3	0.951	0.6657	<0.0001
DUSP18	0.922	0.6658	<0.0001
NPM1P9	0	0.6659	<0.0001
FKBP9	0.884	0.6661	<0.0001
TTC26	0.747	0.6662	<0.0001
ERCC3	0.922	0.6665	<0.0001
TMEM132A	0.864	0.6666	<0.0001
DBN1	0.885	0.6666	<0.0001
UTP23	0.823	0.6667	<0.0001
ANKRD29	0.896	0.6667	<0.0001
ATP8B1	0.909	0.6667	<0.0001
RNF115	0.809	0.6669	<0.0001
C5orf30	0.738	0.6671	<0.0001
ATP6V0A1	0.841	0.6671	<0.0001
YWHAQ	0.895	0.6671	<0.0001
SKA2	0.901	0.6671	<0.0001
HDGF	0.757	0.6676	<0.0001
DDX12P	0.758	0.6678	0.007
TPD52	0.884	0.6679	<0.0001
LINC01116	0.859	0.6681	0.0002
ATP1A1	0.887	0.6681	<0.0001
TLK2P1	0.098	0.6682	<0.0001
RNA5SP82	0.115	0.6684	<0.0001
RPL27AP	0.295	0.6685	<0.0001
THUMPD3	0.913	0.6689	<0.0001
ARIH2	0.87	0.6691	<0.0001
FTH1P3	0.932	0.6693	0.0312
B4GALT7	0.794	0.6693	<0.0001
C7orf77	0	0.6694	<0.0001
SLC6A8	0.741	0.6694	<0.0001
RNPEP	0.83	0.6697	<0.0001
MAPKAPK2	0.857	0.6697	<0.0001

GAPDHP70	0.395	0.6698	<0.0001
MAP2K2	0.824	0.6705	<0.0001
MITD1	0.761	0.6706	<0.0001
EXOC4	0.938	0.6708	<0.0001
KIAA1841	0.936	0.671	<0.0001
XK	0.819	0.6713	<0.0001
FAIM	0.915	0.6713	<0.0001
DENR	0.92	0.6715	<0.0001
RPS11P5	0.548	0.6718	<0.0001
PTPRG	0.844	0.6718	<0.0001
TIGD1	0.913	0.6718	<0.0001
RIBC2	0.865	0.6719	<0.0001
CAMLG	0.847	0.6721	<0.0001
CBR3	0.863	0.6723	<0.0001
ROMO1	0.915	0.6723	<0.0001
LDLRAD1	0.839	0.6725	<0.0001
PSMB2	0.875	0.6725	<0.0001
GLMN	0.873	0.6731	<0.0001
CBR3-AS1	0.807	0.6733	<0.0001
MRPS10	0.847	0.6735	<0.0001
SRD5A3	0.866	0.6735	<0.0001
RCOR3	0.919	0.6735	<0.0001
KPNA7	0.838	0.6736	<0.0001
TCF20	0.919	0.6736	<0.0001
TATDN2	0.935	0.6736	<0.0001
DDX20	0.845	0.6738	<0.0001
PRKCI	0.864	0.674	<0.0001
GGCT	0.806	0.6741	<0.0001
JRK	0.921	0.6744	<0.0001
ACD	0.845	0.6745	<0.0001
TRIM16L	0.878	0.6749	<0.0001
CUL9	0.753	0.6751	<0.0001
BRI3BP	0.864	0.6751	<0.0001

ALDOA	0.874	0.6753	<0.0001
PSMD3	0.833	0.6756	<0.0001
COX11	0.861	0.6756	<0.0001
TINAG	0.488	0.6758	<0.0001
PDCL	0.913	0.6758	<0.0001
RAI14	0.886	0.6759	<0.0001
SLC1A3	0.852	0.6761	<0.0001
HIST2H4A	0.884	0.6763	0.0002
TJAP1	0.918	0.6763	<0.0001
YWHAB	0.913	0.6764	<0.0001
PBXIP1	0.886	0.677	<0.0001
UHMK1	0.905	0.6773	<0.0001
MTIF2	0.927	0.6776	<0.0001
NECTIN1	0.353	0.6777	<0.0001
CHEK2	0.868	0.6778	<0.0001
TBC1D13	0.848	0.678	<0.0001
NAP1L1	0.913	0.678	<0.0001
RPSAP54	0	0.6781	<0.0001
GALNT11	0.886	0.6781	<0.0001
HARS	0.832	0.6783	<0.0001
MKRN1	0.905	0.6784	<0.0001
RBCK1	0.939	0.6784	<0.0001
LAMTOR2	0.835	0.6785	<0.0001
LYSMD4	0.876	0.6785	<0.0001
SYPL1	0.906	0.6785	<0.0001
TMEM14B	0.896	0.6792	<0.0001
PTTG3P	0.908	0.6796	<0.0001
GPKOW	0.921	0.6798	<0.0001
PGC	0.8	0.68	<0.0001
TIMM29	0	0.6802	<0.0001
RBM15B	0.882	0.6802	<0.0001
MAPKAP1	0.897	0.6803	<0.0001
IL3RA	0.952	0.6806	<0.0001

TAF1A-AS1	0.478	0.6808	<0.0001
SLC25A5P5	0	0.6809	<0.0001
COPE	0.856	0.6809	<0.0001
MIF4GD	0.906	0.6809	<0.0001
LSM8	0.863	0.6811	<0.0001
CLCN7	0.894	0.6813	<0.0001
ZNF57	0.804	0.6814	<0.0001
GGNBP2	0.85	0.6814	<0.0001
ACOT8	0.873	0.6815	<0.0001
PLEKHA8	0.869	0.6818	<0.0001
MRPS12	0.874	0.682	<0.0001
PHF20L1	0.875	0.6821	<0.0001
MAPK6	0.906	0.6821	<0.0001
SAP30L	0.903	0.6823	<0.0001
LOC101928565	0	0.6824	<0.0001
PGBD1	0.816	0.6824	<0.0001
IKBIP	0.816	0.683	<0.0001
ZNRD1	0.917	0.683	<0.0001
GREB1L	0.815	0.6833	<0.0001
GAPDHP59	0.36	0.6834	<0.0001
LOC100287896	0.855	0.6834	<0.0001
FOXRED2	0.909	0.6836	<0.0001
RPL7P48	0	0.6838	<0.0001
COMMD7	0.87	0.6838	<0.0001
PRRT3-AS1	0.72	0.684	<0.0001
BRPF3	0.871	0.684	<0.0001
CSPG5	0.921	0.6841	<0.0001
PTGES3P3	0.907	0.6843	0.0228
MIR4500	0.223	0.6844	<0.0001
ERH	0.889	0.6844	<0.0001
CD3EAP	0.855	0.6845	<0.0001
CEP68	0.906	0.6847	<0.0001
PKN1	0.902	0.6848	<0.0001

PDZK1P1	0.85	0.6853	0.0009
ITGA5	0.841	0.6853	<0.0001
UNC13B	0.896	0.6854	<0.0001
ERGIC3	0.913	0.6856	<0.0001
RNASEH1	0.852	0.6857	<0.0001
CHD7	0.851	0.6858	<0.0001
PAGE4	0.832	0.6863	<0.0001
SSX1	0.7	0.6866	<0.0001
BACE1-AS	0.567	0.6867	0.0016
ZNF649-AS1	0.282	0.6867	<0.0001
TMEM136	0.837	0.6867	<0.0001
SLC17A5	0.841	0.6869	<0.0001
MKRN3	0.902	0.6869	<0.0001
SLC44A5	0.655	0.687	<0.0001
HMGXB4	0.893	0.687	<0.0001
UTP14A	0.925	0.6872	<0.0001
SLC25A15P3	0	0.6874	<0.0001
TMEM97	0.842	0.6874	<0.0001
CHD4	0.866	0.6874	<0.0001
LRRC57	0.89	0.6874	<0.0001
C15orf61	0.699	0.6876	<0.0001
CNP	0.891	0.6877	<0.0001
FKBP11	0.784	0.6878	<0.0001
SRPK2	0.916	0.6879	<0.0001
PRKAG1	0.879	0.6882	<0.0001
OCRL	0.929	0.6884	<0.0001
NIPA2	0.894	0.6886	<0.0001
GIPC1	0.853	0.6887	<0.0001
EXOC2	0.906	0.6887	<0.0001
CHMP2A	0.917	0.6887	<0.0001
PPAT	0.845	0.6888	<0.0001
PRMT5	0.887	0.6895	<0.0001
BCL2L12	0.919	0.6895	<0.0001

CCT6P1	0.945	0.6899	0.0041
RN7SL5P	0	0.6899	<0.0001
IGF2BP2	0.856	0.6907	<0.0001
TXNL4A	0.792	0.691	<0.0001
EIF2S3	0.894	0.6912	<0.0001
HMGN1	0.941	0.6913	<0.0001
SSNA1	0.882	0.6914	<0.0001
PIK3CD-AS2	0	0.6915	<0.0001
ITPA	0.842	0.6915	<0.0001
PPP1R11	0.935	0.6915	<0.0001
SYNGR2	0.805	0.6918	<0.0001
SMPD2	0.827	0.6918	<0.0001
RMND5B	0.85	0.6918	<0.0001
ASB16-AS1	0.479	0.692	<0.0001
TTI1	0.803	0.692	<0.0001
XXYLT1	0.936	0.6923	0.0003
KDELR1	0.891	0.6923	<0.0001
SCML2	0.924	0.6924	<0.0001
GIT1	0.921	0.6925	<0.0001
DNMT3A	0.919	0.6926	<0.0001
RPRD1A	0.829	0.6927	<0.0001
MYO1A	0.839	0.6927	<0.0001
RNF216	0.881	0.6927	<0.0001
ZNF30	0.91	0.6929	<0.0001
SLC25A19	0.823	0.6931	<0.0001
WNK4	0.715	0.6933	<0.0001
RASAL2	0.882	0.6933	<0.0001
GON4L	0.909	0.6936	<0.0001
LOC100288570	0	0.6944	<0.0001
ACP6	0.811	0.6944	<0.0001
LINC01446	0.735	0.6948	0.002
STPG1	0.879	0.6949	<0.0001
RAB22A	0.917	0.6949	<0.0001

MEX3A	0.908	0.6955	<0.0001
SAMD4B	0.899	0.6957	<0.0001
TMEM189	0.852	0.6958	<0.0001
PTBP3	0.823	0.6959	<0.0001
DCAF4L2	0.326	0.6963	<0.0001
HS1BP3	0.861	0.6963	<0.0001
ZNF766	0.884	0.6963	<0.0001
HHAT	0.819	0.6964	<0.0001
TMEM50A	0.925	0.6965	<0.0001
TTC5	0.728	0.6966	<0.0001
ADCY6	0.928	0.6971	<0.0001
ATP6V1G2-DDX39B	0	0.6972	0.002
BRCA2	0.854	0.6973	<0.0001
SLC2A5	0.819	0.6975	<0.0001
TMEM14A	0.768	0.6978	<0.0001
AAGAB	0.853	0.6978	<0.0001
GNB5	0.86	0.6983	<0.0001
SPOCK1	0.784	0.6984	<0.0001
ZMYM1	0.922	0.6984	<0.0001
PAK1IP1	0.855	0.6987	<0.0001
SERF1B	0.873	0.6989	<0.0001
PIK3R2	0.97	0.6989	<0.0001
SLC7A6	0.859	0.699	<0.0001
ZNF605	0.935	0.6992	<0.0001
NDUFAF6	0.545	0.6993	<0.0001
MIR4659A	0	0.6995	<0.0001
HNRNPA1P8	0.883	0.6996	0.0098
DCTN4	0.891	0.6996	<0.0001
DHX16	0.899	0.6997	<0.0001
HIST2H2AA4	0.803	0.7005	<0.0001
LINC01353	0.168	0.7007	<0.0001
SPINK5	0.825	0.7007	<0.0001
SPP1	0.764	0.7008	<0.0001

PKN3	0.828	0.7009	<0.0001
COPS7B	0.916	0.7018	<0.0001
MMP9	0.85	0.7019	<0.0001
GRN	0.931	0.7021	<0.0001
TUSC2	0.842	0.7024	<0.0001
PRELID1	0.858	0.7026	<0.0001
UPF3B	0.923	0.7027	<0.0001
GNB1	0.869	0.7029	<0.0001
DTD1	0.847	0.7031	<0.0001
ZDHHC12	0.806	0.7032	<0.0001
DBF4B	0.922	0.7032	<0.0001
MROH1	0.324	0.7034	<0.0001
LINC01138	0.807	0.7035	<0.0001
LSM11	0.933	0.7035	<0.0001
SAPCD2	0.959	0.7038	0.008
RRP1B	0.825	0.704	<0.0001
KIF3B	0.907	0.7041	<0.0001
PTGES3P4	0.043	0.7042	<0.0001
GOLGA2P10	0.684	0.7043	0.0139
SHKBP1	0.842	0.7044	<0.0001
FTH1P5	0.945	0.7047	0.0034
IRF2BP2	0.868	0.7047	<0.0001
RBM45	0.809	0.7048	<0.0001
MAP2	0.878	0.7048	<0.0001
C6orf47	0.913	0.7049	<0.0001
RPS10	0.949	0.7049	<0.0001
EHD4-AS1	0.027	0.705	<0.0001
PEX2	0.881	0.7051	<0.0001
ZNF726	0.715	0.7052	<0.0001
SLC39A10	0.844	0.7057	<0.0001
ALG8	0.928	0.7058	<0.0001
SF3B2	0.86	0.7059	<0.0001
GPANK1	0.903	0.7059	<0.0001

C12orf10	0.909	0.7061	<0.0001
LEF1	0.903	0.7063	<0.0001
CDKAL1	0.929	0.7064	<0.0001
DLAT	0.809	0.7065	<0.0001
TTC39A	0.833	0.7065	<0.0001
E2F5	0.845	0.7065	<0.0001
LSM7	0.873	0.7065	<0.0001
URM1	0.881	0.7065	<0.0001
TSN	0.915	0.7065	<0.0001
ALKBH6	0.958	0.7065	<0.0001
MRPL48	0.844	0.7066	<0.0001
KDM3B	0.842	0.7067	<0.0001
PTPDC1	0.909	0.7067	<0.0001
GABRE	0.855	0.7068	<0.0001
DPY19L1P2	0.187	0.7069	<0.0001
TAF11	0.846	0.707	<0.0001
REG3A	0.703	0.7072	<0.0001
FHIT	0.862	0.7072	<0.0001
CREB3L4	0.787	0.7073	<0.0001
GORAB	0.808	0.7074	<0.0001
MNS1	0.806	0.7077	<0.0001
TAF5	0.88	0.7077	<0.0001
ATP1B1	0.896	0.708	<0.0001
FAM49B	0.887	0.7081	<0.0001
SERF1A	0.925	0.7082	<0.0001
PSMA6	0.969	0.7086	0.0004
URB2	0.87	0.7086	<0.0001
TMEM183A	0.937	0.7086	<0.0001
BCAT1	0.864	0.7089	<0.0001
MAPRE1	0.936	0.709	<0.0001
TIMM50	0.917	0.7091	<0.0001
HTRA2	0.919	0.7092	<0.0001
DKK1	0.811	0.7096	<0.0001

CERS2	0.872	0.7096	<0.0001
ZNF200	0.901	0.7096	<0.0001
AP3S1	0.853	0.7097	<0.0001
RHOC	0.899	0.7097	<0.0001
HGH1	0.784	0.7098	<0.0001
ENY2	0.871	0.7098	<0.0001
C20orf96	0.922	0.7098	<0.0001
VASH2	0.788	0.7103	<0.0001
PES1	0.869	0.7105	<0.0001
TMEM241	0.875	0.7105	<0.0001
UBA2	0.87	0.7108	<0.0001
TRMT1	0.893	0.7109	<0.0001
BLVRA	0.913	0.7111	<0.0001
OTX1	0.878	0.7114	<0.0001
ANAPC5	0.864	0.7116	<0.0001
CALM3	0.812	0.7117	<0.0001
NAPB	0.937	0.712	<0.0001
PIP4K2B	0.898	0.7125	<0.0001
MARK4	0.933	0.7125	<0.0001
GTF2IP1	0.935	0.7126	0.0018
RTKN2	0.909	0.7128	<0.0001
UBXN2B	0.821	0.7129	<0.0001
FAM216A	0.816	0.7133	<0.0001
ALKBH2	0.819	0.7133	<0.0001
GLDN	0.717	0.7137	<0.0001
PRDX1	0.902	0.714	<0.0001
CFL1P3	0.762	0.7141	0.0003
C12orf49	0.781	0.7141	<0.0001
TCF3	0.841	0.7141	<0.0001
DPY30	0.917	0.7142	<0.0001
POLR1A	0.837	0.7143	<0.0001
TXNDC9	0.932	0.7144	<0.0001
LSM14B	0.908	0.7146	<0.0001

ZSCAN29	0.937	0.7146	<0.0001
COX8A	0.875	0.7147	<0.0001
HKDC1	0.822	0.7148	<0.0001
ASNA1	0.883	0.7149	<0.0001
OXLD1	0.915	0.7149	<0.0001
DNAJC2	0.791	0.715	<0.0001
METTL23	0.69	0.7153	<0.0001
HMG2P15	0	0.7155	<0.0001
VPS13B	0.914	0.7156	<0.0001
LRRC8D	0.862	0.7158	<0.0001
COX4I2	0.945	0.7158	<0.0001
LINC01556	0	0.7159	<0.0001
EPPK1	0.916	0.716	<0.0001
SEC13	0.884	0.7163	<0.0001
NDUFS6	0.867	0.7165	<0.0001
DTNA	0.882	0.7166	<0.0001
PDGFRL	0.817	0.717	<0.0001
RPL38	0.929	0.7171	<0.0001
FAF1	0.885	0.7172	<0.0001
SEMA4F	0.865	0.7173	<0.0001
ATOX1	0.856	0.7176	<0.0001
ARID3A	0.761	0.7179	<0.0001
SAMM50	0.848	0.7181	<0.0001
ETV4	0.869	0.7181	<0.0001
CENPJ	0.887	0.7181	<0.0001
PSMC3	0.837	0.7186	<0.0001
PHAX	0.851	0.7189	<0.0001
TUBB2A	0.854	0.7189	<0.0001
DNAJB6	0.882	0.7192	<0.0001
BMT2	0.763	0.7197	0.0399
OGG1	0.884	0.7201	<0.0001
RBM28	0.91	0.7201	<0.0001
FAM133A	0.592	0.7202	<0.0001

PDSS1	0.882	0.7204	<0.0001
MANEAL	0.905	0.7205	<0.0001
BRIP1	0.935	0.7206	<0.0001
ABL2	0.938	0.7206	<0.0001
PIK3CB	0.901	0.7207	<0.0001
DNM1L	0.908	0.7208	<0.0001
MIR217HG	0.297	0.7209	<0.0001
DNM3	0.883	0.721	<0.0001
OTUD7B	0.94	0.7212	<0.0001
INTS2	0.911	0.7218	<0.0001
ENPP7P13	0	0.7221	<0.0001
MTERF3	0.732	0.7222	<0.0001
MAFG	0.908	0.7222	<0.0001
MIR6832	0.34	0.7224	<0.0001
CHTF18	0.864	0.7225	<0.0001
PTP4A3	0.873	0.7226	<0.0001
FKBP1A	0.922	0.7227	<0.0001
ZNF473	0.878	0.723	<0.0001
CBFA2T2	0.929	0.7233	<0.0001
EIF2B4	0.867	0.7235	<0.0001
G2E3	0.792	0.7237	<0.0001
PHF14	0.925	0.7237	<0.0001
RNASEH1-AS1	0.71	0.7238	<0.0001
LINC00528	0.316	0.724	<0.0001
EML6	0.855	0.724	<0.0001
TTC1	0.822	0.7241	<0.0001
POU2F1	0.884	0.7243	<0.0001
CDC73	0.919	0.7243	<0.0001
HAUS2	0.892	0.7244	<0.0001
CHRAC1	0.906	0.7244	<0.0001
FAM91A1	0.883	0.7249	<0.0001
SNRPB2	0.934	0.7254	<0.0001
SLC39A7	0.902	0.7255	<0.0001

LAMTOR1	0.734	0.726	<0.0001
GTF3C3	0.896	0.7269	<0.0001
PPP4R1-AS1	0	0.7271	<0.0001
NUDT17	0.85	0.7272	<0.0001
CRTC2	0.83	0.7274	<0.0001
FAM222B	0.766	0.7275	<0.0001
PAK1	0.854	0.7275	<0.0001
UBE2MP1	0.933	0.7278	0.0032
DHX9	0.915	0.7278	<0.0001
SEC23B	0.914	0.7279	<0.0001
CKLF	0.896	0.7282	<0.0001
HIST1H2AE	0.876	0.7292	<0.0001
GNG4	0.769	0.7293	<0.0001
PSMD8	0.859	0.7295	<0.0001
UNC45A	0.928	0.7297	<0.0001
ARIH2OS	0.879	0.7298	<0.0001
LIN37	0.928	0.7299	<0.0001
TSG101	0.902	0.73	<0.0001
GPR137C	0.829	0.7304	<0.0001
BFSP1	0.897	0.7304	<0.0001
EEF1E1	0.915	0.7305	<0.0001
DNPH1	0.842	0.7312	<0.0001
HAUS1	0.864	0.7313	<0.0001
RRAGC	0.862	0.7314	<0.0001
HIST1H2BJ	0.908	0.7314	<0.0001
TRIM31	0.84	0.7315	<0.0001
GCNT3	0.718	0.7317	<0.0001
BAK1	0.836	0.7322	<0.0001
AHCTF1	0.914	0.7322	<0.0001
LINC01269	0	0.7324	<0.0001
CGREF1	0.818	0.7324	<0.0001
NCKAP1	0.916	0.7326	<0.0001
THOC2	0.935	0.7326	<0.0001

ASAP2	0.813	0.733	<0.0001
LRPPRC	0.916	0.733	<0.0001
CLSPN	0.931	0.7332	<0.0001
FITM2	0.87	0.7333	<0.0001
MAPK1	0.92	0.7335	<0.0001
C1orf216	0.831	0.7336	<0.0001
B3GNTL1	0.914	0.7339	<0.0001
MFF	0.864	0.734	<0.0001
SMC3	0.9	0.734	<0.0001
SF3B6	0.947	0.7343	0.0114
CCDC124	0.795	0.7344	<0.0001
ZBED6CL	0.759	0.7345	<0.0001
TAF4	0.906	0.7345	<0.0001
CDKN2B	0.944	0.7347	<0.0001
SPCS1	0.878	0.7349	<0.0001
RPL7P6	0.893	0.735	0.0449
TTC37	0.879	0.7352	<0.0001
TTC39A-AS1	0.38	0.7353	<0.0001
SREBF2	0.868	0.7355	<0.0001
TPRKB	0.913	0.7356	<0.0001
LMAN2	0.942	0.7358	<0.0001
EEF1A1P3	0.372	0.7359	<0.0001
RASSF4	0.854	0.7359	<0.0001
HIST1H3D	0.851	0.736	<0.0001
KIF5B	0.826	0.7363	<0.0001
TNPO3	0.909	0.7365	<0.0001
TMEM65	0.832	0.7367	<0.0001
UBL7	0.897	0.7368	<0.0001
FARSB	0.882	0.737	<0.0001
DHX35	0.907	0.7372	<0.0001
RNF8	0.924	0.7375	<0.0001
CLK2	0.953	0.7378	<0.0001
WASH6P	0.278	0.7379	<0.0001

GDPD1	0.936	0.7379	<0.0001
RNF213	0.85	0.7381	<0.0001
RCCD1	0.905	0.7382	<0.0001
PRKRIP1	0.85	0.7383	<0.0001
VGLL4	0.841	0.7385	<0.0001
SMARCD1	0.901	0.7385	<0.0001
PPM1F	0.835	0.7389	<0.0001
SRP14	0.888	0.7395	<0.0001
KCNN3	0.929	0.7396	<0.0001
REXO4	0.832	0.7397	<0.0001
FADD	0.905	0.74	<0.0001
EIF6	0.867	0.7403	<0.0001
TTC27	0.944	0.7407	<0.0001
THAP8	0.894	0.7413	<0.0001
C12orf73	0.951	0.7413	<0.0001
LHX4-AS1	0.446	0.7414	<0.0001
TRAPPC9	0.85	0.7416	<0.0001
RINT1	0.874	0.7416	<0.0001
ATF2	0.89	0.7416	<0.0001
TRIM27	0.894	0.7418	<0.0001
ANP32E	0.966	0.7418	<0.0001
AHSA1	0.863	0.7421	<0.0001
MIR3942	0.186	0.7425	<0.0001
SRPRB	0.855	0.7427	<0.0001
DDB1	0.913	0.7427	<0.0001
NFRKB	0.921	0.7427	<0.0001
STMND1	0.541	0.7428	<0.0001
HNRNPU	0.892	0.7428	<0.0001
SEC63P1	0	0.7429	<0.0001
FADS1	0.848	0.7429	<0.0001
MRPS14	0.892	0.743	<0.0001
TAF10	0.896	0.7431	<0.0001
C18orf21	0.878	0.7436	<0.0001

SRRD	0.825	0.744	<0.0001
EDIL3	0.94	0.7441	<0.0001
BEND3	0.838	0.7443	<0.0001
KIF3A	0.892	0.7445	<0.0001
NOMO1	0.87	0.7447	<0.0001
PPP1CA	0.903	0.7447	<0.0001
SNORA2C	0.707	0.7452	0.034
HIST2H2AC	0.887	0.7453	<0.0001
DEK	0.902	0.7455	<0.0001
ZNF512	0.912	0.7458	<0.0001
PLCG1	0.884	0.7461	<0.0001
FBXO32	0.834	0.7462	<0.0001
HIST1H2BF	0.894	0.7462	<0.0001
PRPF31	0.837	0.7464	<0.0001
FSD1L	0.881	0.7466	<0.0001
EXOC7	0.933	0.7466	<0.0001
TMPO	0.897	0.7467	<0.0001
NDRG1	0.842	0.7468	<0.0001
C12orf75	0.808	0.7469	<0.0001
MMP12	0.821	0.7469	<0.0001
RHEB	0.914	0.7469	<0.0001
HIST2H2BE	0.863	0.747	<0.0001
ZSCAN16	0.828	0.7472	<0.0001
STAMBP	0.917	0.7473	<0.0001
NXT2	0.882	0.7474	<0.0001
POP5	0.878	0.7476	<0.0001
SIRT7	0.873	0.7477	<0.0001
RBMX2	0.877	0.7479	<0.0001
KAT7	0.836	0.7481	<0.0001
TUBB4B	0.847	0.7482	<0.0001
RPLP0	0.892	0.7482	<0.0001
PSMD13	0.91	0.7482	<0.0001
TMEM189-UBE2V1	0.903	0.7487	0.0116

ZNF581	0.807	0.7487	<0.0001
SPA17	0.893	0.7487	<0.0001
FUBP1	0.902	0.7487	<0.0001
AZIN1	0.9	0.7492	<0.0001
TRMT112	0.917	0.7492	<0.0001
C3orf67-AS1	0	0.7494	<0.0001
ZMAT2	0.848	0.7496	<0.0001
STK25	0.88	0.7502	<0.0001
SDF2L1	0.888	0.7502	<0.0001
PMVK	0.873	0.7503	<0.0001
GPR107	0.904	0.7503	<0.0001
SMYD2	0.86	0.7506	<0.0001
DUSP23	0.851	0.7509	<0.0001
LAMA3	0.882	0.7509	<0.0001
NUDCD3	0.909	0.7511	<0.0001
KCTD6	0.929	0.7511	<0.0001
LAMTOR4	0.915	0.7513	0.0001
ERCC2	0.904	0.7514	<0.0001
BRIX1	0.923	0.7515	<0.0001
C2orf76	0.907	0.7517	<0.0001
CENPX	0.79	0.7518	0.017
ZSCAN25	0.645	0.7522	<0.0001
ERAL1	0.775	0.7523	<0.0001
NCBP2	0.908	0.7523	<0.0001
C9orf40	0.817	0.7528	<0.0001
HOTTIP	0.9	0.7529	0.0002
UGGT1	0.871	0.753	<0.0001
ARV1	0.831	0.7531	<0.0001
RARS	0.895	0.7531	<0.0001
RFC5	0.891	0.7534	<0.0001
HEXA	0.899	0.7536	<0.0001
PABPC4L	0.884	0.7537	<0.0001
XRCC6	0.924	0.7538	<0.0001

ZC3HC1	0.792	0.754	<0.0001
PRKAA2	0.827	0.7543	<0.0001
EXOSC5	0.835	0.7543	<0.0001
MYL6B	0.886	0.7543	<0.0001
RFT1	0.848	0.7544	<0.0001
LCMT1	0.915	0.7546	<0.0001
CSE1L-AS1	0.504	0.7547	0.0047
HYOU1	0.889	0.7547	<0.0001
KLHDC3	0.86	0.7548	<0.0001
C10orf88	0.884	0.755	<0.0001
B4GALNT1	0.866	0.7551	<0.0001
HNF1A-AS1	0.828	0.7552	<0.0001
ZNF207	0.947	0.7553	<0.0001
C9orf16	0.849	0.7554	<0.0001
TPM3	0.942	0.7557	<0.0001
MICB	0.843	0.756	<0.0001
PLEKHA8P1	0.783	0.7562	<0.0001
DHX8	0.86	0.7562	<0.0001
GDI1	0.865	0.7563	<0.0001
TREM2	0.885	0.7565	<0.0001
TNFSF4	0.862	0.7567	<0.0001
KIFAP3	0.875	0.757	<0.0001
COLGALT1	0.823	0.7571	<0.0001
MRPS17	0.929	0.7573	<0.0001
TIMM17B	0.865	0.7574	<0.0001
ARF4P2	0	0.7575	<0.0001
PRKAR2A	0.922	0.7575	<0.0001
GLULP4	0.891	0.7576	0.0341
FAM104A	0.888	0.7578	<0.0001
POC5	0.769	0.7579	<0.0001
PCGF1	0.808	0.758	<0.0001
NFYA	0.888	0.7581	<0.0001
LYPD8	0.674	0.7586	<0.0001

CIZ1	0.828	0.7586	<0.0001
RPRD2	0.85	0.7588	<0.0001
RAE1	0.893	0.7588	<0.0001
TXN	0.916	0.7589	<0.0001
GOLGA2P7	0.622	0.7592	0.0038
WIPF2	0.9	0.7593	<0.0001
FXR1	0.921	0.7594	<0.0001
ASRGL1	0.892	0.7595	<0.0001
NELFB	0.83	0.7599	<0.0001
SNX12	0.855	0.7599	<0.0001
SRP9	0.931	0.7599	<0.0001
ZFR	0.918	0.7601	<0.0001
LINC01287	0.212	0.7604	<0.0001
BORCS6	0.409	0.7605	<0.0001
PPIP5K1	0.857	0.7605	<0.0001
LCN2	0.839	0.7606	<0.0001
SNRPEP4	0.93	0.761	0.0331
ATRAID	0.951	0.7612	0.0008
RAB23	0.831	0.7612	<0.0001
PITX1	0.874	0.7614	<0.0001
UBE3B	0.885	0.7614	<0.0001
DPY19L1P1	0.884	0.7618	<0.0001
FN3KRP	0.818	0.762	<0.0001
DSTNP2	0.91	0.7622	<0.0001
TSEN54	0.853	0.7626	<0.0001
ZC3H3	0.911	0.7628	<0.0001
USP3	0.855	0.7631	<0.0001
PPP1R16A	0.922	0.7632	<0.0001
SMIM13	0.762	0.7634	<0.0001
LINC01151	0	0.7641	<0.0001
SLC35E3	0.84	0.7643	<0.0001
NSL1	0.945	0.7643	<0.0001
ACTG1P1	0.777	0.7644	0.0018

LINC01545	0.142	0.7644	<0.0001
CASP2	0.929	0.7644	<0.0001
ZSCAN16-AS1	0.874	0.7645	0.0007
XYLT2	0.9	0.7645	<0.0001
LIX1L	0.875	0.7647	<0.0001
CUL4B	0.903	0.7648	<0.0001
RAB3GAP2	0.944	0.7648	<0.0001
GRAMD1A	0.801	0.765	<0.0001
ENO1	0.89	0.765	<0.0001
APEX1	0.885	0.7653	<0.0001
PRKAB1	0.853	0.7655	<0.0001
GJC1	0.96	0.7658	<0.0001
PPP2R5D	0.895	0.7666	<0.0001
TUG1	0.813	0.767	<0.0001
RHOQP2	0.374	0.7672	<0.0001
DNAH14	0.878	0.7674	<0.0001
ATG7	0.91	0.7675	<0.0001
NUTF2	0.882	0.7678	<0.0001
NUP43	0.883	0.7679	<0.0001
LRR1	0.7	0.768	<0.0001
TULP4	0.896	0.768	<0.0001
RNVU1-6	0.453	0.7684	<0.0001
EMC3-AS1	0.805	0.7686	<0.0001
RSRC1	0.892	0.7687	<0.0001
UQCRH	0.921	0.7688	<0.0001
RHOA	0.936	0.7691	<0.0001
WDR46	0.872	0.7692	<0.0001
NAGPA	0.872	0.7692	<0.0001
NEDD8	0.908	0.7693	<0.0001
NEB	0.792	0.7694	<0.0001
LOXL2	0.932	0.7697	<0.0001
FASTK	0.924	0.7699	<0.0001
CD200	0.94	0.7707	<0.0001

SRP68	0.842	0.7708	<0.0001
MAPKAPK5	0.867	0.7709	<0.0001
DCTPP1	0.894	0.7709	<0.0001
HIST1H2AI	0.9	0.7711	<0.0001
RAC1	0.902	0.7711	<0.0001
NARS	0.922	0.7715	<0.0001
AIDA	0.879	0.7716	<0.0001
KDM5B	0.844	0.7718	<0.0001
TMEM164	0.906	0.7718	<0.0001
GPRIN1	0.918	0.7718	<0.0001
MASTL	0.891	0.7719	<0.0001
APH1A	0.906	0.7719	<0.0001
NCAPH2	0.934	0.7719	<0.0001
FANCA	0.938	0.772	<0.0001
WDCP	0.793	0.7722	0.0246
S100P	0.799	0.7722	<0.0001
RASGRF2-AS1	0	0.7723	<0.0001
EBF2	0.948	0.7724	<0.0001
FTH1	0.918	0.7726	<0.0001
EIF2B2	0.882	0.7727	<0.0001
DLL4	0.906	0.7727	<0.0001
NME2	0.955	0.7729	0.0009
SNRPG	0.924	0.773	<0.0001
PHF19	0.899	0.7734	<0.0001
ACTR5	0.856	0.7735	<0.0001
PDAP1	0.89	0.7735	<0.0001
NUP93	0.896	0.7736	<0.0001
MSH5	0.966	0.7737	0.0002
ITGA2	0.854	0.7737	<0.0001
EIF3K	0.899	0.7737	<0.0001
IFI27L1	0.921	0.7738	<0.0001
CERS5	0.892	0.7739	<0.0001
MLEC	0.901	0.7739	<0.0001

SATB2	0.792	0.774	<0.0001
GAPDH	0.91	0.774	<0.0001
STC1	0.881	0.7744	<0.0001
H1F0	0.864	0.7747	<0.0001
CBLL1	0.876	0.7747	<0.0001
FAM219B	0.918	0.7747	<0.0001
TOR3A	0.714	0.7748	<0.0001
CRNKL1	0.912	0.7748	<0.0001
CSNK2A1	0.892	0.7749	<0.0001
RPS18P12	0.248	0.775	<0.0001
CEP152	0.897	0.7753	<0.0001
FAM200A	0.847	0.7754	<0.0001
PIK3C2B	0.849	0.7755	<0.0001
ACTG2	0.866	0.7755	<0.0001
LRRC37A6P	0.635	0.7756	<0.0001
ANAPC1	0.912	0.7756	<0.0001
CABYR	0.766	0.7761	<0.0001
SNORD81	0	0.7762	<0.0001
ANGPT2	0.87	0.7765	<0.0001
CSNK1D	0.921	0.7765	<0.0001
RPS5	0.86	0.7768	<0.0001
MESP1	0.933	0.7769	<0.0001
LINC01608	0	0.777	<0.0001
TIGD7	0.873	0.777	<0.0001
GPATCH1	0.803	0.7774	<0.0001
BLOC1S5	0	0.7775	<0.0001
TUBG2	0.918	0.7779	<0.0001
AP4M1	0.894	0.7781	<0.0001
IK	0.899	0.7785	<0.0001
RPLP1	0.919	0.7786	<0.0001
RIPK2	0.791	0.7787	<0.0001
NDUFA1	0.917	0.7788	<0.0001
TRRAP	0.914	0.7789	<0.0001

DDX10	0.906	0.7791	<0.0001
ZFYVE26	0.847	0.7793	<0.0001
RPL13P5	0.849	0.7793	<0.0001
GALNT10	0.909	0.7793	<0.0001
MIR4468	0.236	0.7795	<0.0001
RP9	0.819	0.7795	<0.0001
PARP12	0.881	0.7797	<0.0001
NOL11	0.884	0.7797	<0.0001
GOLGA3	0.909	0.7798	<0.0001
NEK7	0.896	0.7799	<0.0001
CHCHD3	0.901	0.7799	<0.0001
SMG8	0.842	0.7801	<0.0001
TMEM115	0.906	0.7802	<0.0001
YWHAG	0.893	0.7803	<0.0001
DVL3	0.909	0.7803	<0.0001
GPN1	0.883	0.7804	<0.0001
MFAP1	0.896	0.7804	<0.0001
FGD1	0.913	0.7804	<0.0001
ENTPD6	0.893	0.7809	<0.0001
MAFA-AS1	0	0.7811	<0.0001
TRAM1	0.899	0.7815	<0.0001
DAPK2	0.874	0.7817	<0.0001
RPL9P7	0.441	0.782	<0.0001
SLC25A40	0.899	0.7823	<0.0001
DENND5A	0.852	0.7824	<0.0001
ZMYND19	0.865	0.7825	<0.0001
LINC00674	0.96	0.7826	0.023
JRKL	0.868	0.783	<0.0001
IMPDH1P6	0.452	0.7835	<0.0001
ATP6V1E2	0.78	0.7835	<0.0001
PRRC1	0.895	0.7836	<0.0001
SPNS1	0.976	0.784	0.0005
SLC4A2	0.899	0.7843	<0.0001

CBX3	0.913	0.7849	<0.0001
PKMYT1	0.931	0.7849	<0.0001
RALGAPB	0.868	0.785	<0.0001
ZNF707	0.867	0.7854	<0.0001
MID1IP1	0.905	0.7854	<0.0001
ASNSP1	0.374	0.7855	<0.0001
VAR5	0.908	0.7855	<0.0001
ACTN4	0.815	0.7859	<0.0001
IARS2	0.86	0.7861	<0.0001
EMC4	0.942	0.7862	0.0008
PRPSAP1	0.864	0.7862	<0.0001
COMMD3	0.907	0.7862	<0.0001
NBAS	0.923	0.7862	<0.0001
POP4	0.901	0.7863	<0.0001
GMPSP1	0.714	0.7866	0.0234
SIX4	0.829	0.7866	<0.0001
SWAP70	0.91	0.7873	<0.0001
CUL2	0.869	0.7875	<0.0001
RUFY1	0.913	0.7876	<0.0001
AP1S1	0.911	0.7879	<0.0001
HEXB	0.897	0.7881	<0.0001
CENPP	0.923	0.7882	<0.0001
SIPA1L3	0.901	0.7883	<0.0001
ZNF341	0.835	0.7884	<0.0001
SMAD2	0.94	0.7891	<0.0001
GPI	0.705	0.7893	<0.0001
KCNE5	0.673	0.7894	0.0002
SF3A3	0.858	0.7894	<0.0001
HRAS	0.897	0.7897	<0.0001
NEDD1	0.919	0.7898	<0.0001
DDX27	0.932	0.79	<0.0001
BANF1P3	0.91	0.7901	0.0331
UNK	0.882	0.7902	<0.0001

PIGF	0.913	0.7903	<0.0001
COMMD3-BMI1	0	0.7905	<0.0001
CA12	0.786	0.7906	<0.0001
VPS25	0.862	0.7906	<0.0001
HCFC1	0.911	0.7906	<0.0001
LOC339803	0.874	0.7907	<0.0001
PXMP4	0.921	0.7908	<0.0001
ZNF282	0.874	0.7914	<0.0001
PFDN2	0.864	0.7916	<0.0001
HSPB11	0.819	0.7919	<0.0001
CCDC138	0.885	0.7919	<0.0001
NPSR1-AS1	0.745	0.792	<0.0001
ATXN7L3	0.912	0.7921	<0.0001
HIST1H3B	0.916	0.7922	<0.0001
TLL4	0.792	0.7923	<0.0001
DNAJC13	0.917	0.7923	<0.0001
HSF2BP	0.923	0.7924	<0.0001
MINCR	0	0.7927	<0.0001
ANAPC11	0.917	0.7927	<0.0001
SMG9	0.809	0.7928	<0.0001
VPS11	0.895	0.7929	<0.0001
GNA12	0.876	0.793	<0.0001
RAD1	0.939	0.7932	<0.0001
CEMIP	0.398	0.7934	<0.0001
STAU2	0.886	0.7936	<0.0001
PRRC2C	0.812	0.7937	<0.0001
ZSCAN2	0.946	0.7943	<0.0001
APOBEC3B	0.841	0.7945	<0.0001
SDE2	0.847	0.7945	<0.0001
ATP6V1H	0.917	0.7946	<0.0001
CCDC167	0.616	0.7951	<0.0001
CAPNS1	0.886	0.7952	<0.0001
C7orf50	0.872	0.7953	<0.0001

BANF1	0.918	0.7953	<0.0001
TALDO1	0.89	0.7954	<0.0001
HTATSF1	0.929	0.7957	<0.0001
IFT81	0.885	0.7962	<0.0001
RPTOR	0.794	0.7966	<0.0001
RBM3	0.916	0.7974	<0.0001
MSH6	0.867	0.7977	<0.0001
PRPF3	0.934	0.7978	<0.0001
RBM8A	0.937	0.7978	<0.0001
RNF34	0.923	0.7983	<0.0001
DSTYK	0.869	0.7986	<0.0001
TBCC	0.887	0.7986	<0.0001
KCNMB2-AS1	0.513	0.7987	0.0159
FAT1	0.846	0.799	<0.0001
ZNF260	0.91	0.799	<0.0001
GOSR2	0.962	0.799	<0.0001
PSMC3IP	0.897	0.7991	<0.0001
YIPF3	0.895	0.7992	<0.0001
GTF2H2C	0.811	0.7993	<0.0001
CDK5RAP2	0.868	0.7997	<0.0001
TMEM14C	0.927	0.7997	<0.0001
SPATC1L	0.9	0.8001	<0.0001
CABLES2	0.831	0.8002	<0.0001
NKAP	0.913	0.8006	<0.0001
ZNF706	0.908	0.8007	<0.0001
PMF1	0.844	0.8008	<0.0001
RPIA	0.857	0.801	<0.0001
RASGRF2	0.879	0.8014	<0.0001
DDX1	0.893	0.8018	<0.0001
GPATCH2	0.824	0.8021	<0.0001
SNORD75	0.671	0.8023	0.0047
ZNF696	0.867	0.8024	<0.0001
PDIA6	0.854	0.8025	<0.0001

ABCD1	0.851	0.8026	<0.0001
BTG3	0.931	0.8027	<0.0001
ZEB1-AS1	0.892	0.8034	0.0002
NUP85	0.901	0.8034	<0.0001
ENOPH1	0.838	0.8052	<0.0001
C1orf198	0.8	0.8054	<0.0001
CLTA	0.911	0.8058	<0.0001
HIST1H2AG	0.893	0.8064	<0.0001
MGAT4A	0.841	0.8066	<0.0001
LEMD2	0.824	0.8067	<0.0001
WASF1	0.912	0.8067	<0.0001
DRAP1	0.92	0.8067	<0.0001
ZSCAN31	0.758	0.8069	<0.0001
TMPO-AS1	0.908	0.807	0.0009
UTP6	0.896	0.8071	<0.0001
MAPK9	0.908	0.8071	<0.0001
CDK16	0.84	0.8072	<0.0001
TAF9	0.904	0.8074	<0.0001
STK39	0.874	0.8075	<0.0001
STAM	0.895	0.8079	<0.0001
PDCL3	0.888	0.8081	<0.0001
CTTN	0.898	0.8081	<0.0001
HCG15	0.482	0.8082	<0.0001
SEC61G	0.923	0.8086	<0.0001
TFRC	0.906	0.8087	<0.0001
PTGES3	0.932	0.8092	<0.0001
CRIP3	0.868	0.8101	<0.0001
CEP350	0.907	0.8102	<0.0001
FANCB	0.912	0.8105	<0.0001
PSRC1	0.922	0.8106	<0.0001
TRIM16	0.881	0.8107	<0.0001
POLR3F	0.912	0.8107	<0.0001
PET117	0.953	0.8109	0.0035

C1orf131	0.889	0.8111	<0.0001
EIF3D	0.851	0.8112	<0.0001
PFN1P11	0	0.8114	<0.0001
DONSON	0.925	0.8115	<0.0001
HNRNPA1P12	0.853	0.8116	0.0099
BOD1	0.815	0.8118	<0.0001
OLA1	0.917	0.8119	<0.0001
METTL3	0.938	0.8119	<0.0001
SLC35B1	0.867	0.8124	<0.0001
ADIPOR1	0.895	0.8124	<0.0001
ZMPSTE24	0.896	0.8125	<0.0001
TATDN1	0.917	0.8126	<0.0001
BRAT1	0.863	0.813	<0.0001
CEBPG	0.87	0.8131	<0.0001
LYPD1	0.84	0.8132	<0.0001
ZCCHC17	0.838	0.8133	<0.0001
USP14	0.897	0.8141	<0.0001
SUMO2	0.945	0.8141	<0.0001
ZIC5	0.834	0.8144	<0.0001
COPG1	0.806	0.8145	<0.0001
STX10	0.91	0.8146	<0.0001
PA2G4	0.859	0.8152	<0.0001
WDR53	0.912	0.8156	<0.0001
RAN	0.878	0.816	<0.0001
FAM86JP	0.858	0.8162	0.0008
PPP4R1	0.918	0.8162	<0.0001
DCAF7	0.9	0.8163	<0.0001
SOX9-AS1	0.885	0.8166	0.0002
LOC100499489	0.29	0.8168	<0.0001
MAGED2	0.933	0.8168	<0.0001
HTATIP2	0.853	0.8171	<0.0001
DCK	0.925	0.8179	<0.0001
ABCC4	0.882	0.818	<0.0001

USP1	0.915	0.818	<0.0001
ADNP	0.898	0.8182	<0.0001
AIFM2	0.852	0.8186	<0.0001
TLL1	0.934	0.8187	<0.0001
PWP1	0.891	0.8188	<0.0001
NEDD4L	0.9	0.8188	<0.0001
LINC01063	0.359	0.8191	<0.0001
NRM	0.871	0.8191	<0.0001
LRRC59	0.889	0.8191	<0.0001
ACTBP7	0	0.8198	<0.0001
LANCL1	0.919	0.8199	<0.0001
HSP90AB3P	0.881	0.82	0.0008
ZNF174	0.92	0.8201	<0.0001
WBP1LP2	0.604	0.8203	0.0051
CHRM3	0.851	0.8208	<0.0001
NAT10	0.89	0.8215	<0.0001
MIR1291	0	0.8216	<0.0001
LINC01132	0	0.8217	<0.0001
SNAP47	0.848	0.8218	<0.0001
RPP21	0.93	0.8218	<0.0001
CCDC93	0.929	0.8221	<0.0001
CAMSAP2	0.749	0.8223	<0.0001
PPP2R1A	0.86	0.8223	<0.0001
CSPG4	0.915	0.8229	<0.0001
CYSTM1	0.913	0.8232	<0.0001
HPF1	0.479	0.8233	<0.0001
TAF1A	0.913	0.8234	<0.0001
RAB10	0.873	0.8235	<0.0001
RANP1	0.886	0.8236	0.0033
WSB2	0.896	0.8236	<0.0001
RDM1	0.906	0.824	<0.0001
STXBP4	0.863	0.8242	<0.0001
ALDH18A1	0.849	0.8247	<0.0001

NQO1	0.807	0.8249	<0.0001
HSF2	0.875	0.825	<0.0001
BRCA1	0.928	0.825	<0.0001
UBE2M	0.904	0.8251	<0.0001
RPP40	0.875	0.8252	<0.0001
DPF2	0.905	0.8254	<0.0001
MAZ	0.931	0.8254	<0.0001
TOMM6	0.786	0.8255	<0.0001
PCDH17	0.903	0.8256	<0.0001
CCL20	0.899	0.8259	<0.0001
PIF1	0.899	0.826	<0.0001
ZNF793-AS1	0	0.8261	<0.0001
APIP	0.899	0.8263	<0.0001
NPM1	0.908	0.8264	<0.0001
VPS28	0.851	0.8265	<0.0001
BYSL	0.905	0.8268	<0.0001
MRM2	0.875	0.827	0.046
PDCD6	0.924	0.8271	<0.0001
TMEM183B	0.897	0.8272	0.0008
HIST2H4B	0.835	0.8273	<0.0001
SMG7	0.913	0.8273	<0.0001
ABCF1	0.914	0.8274	<0.0001
ATP6V1E1	0.923	0.8274	<0.0001
LINC00665	0.848	0.8275	<0.0001
DNMT3B	0.928	0.8277	<0.0001
FOCAD	0.745	0.8281	<0.0001
ALMS1	0.926	0.8282	<0.0001
HIST2H3A	0.861	0.8283	<0.0001
SEC61A1	0.886	0.8286	<0.0001
HNRNPA3P3	0.904	0.8289	0.01
DAXX	0.883	0.8289	<0.0001
LAMA4	0.93	0.829	<0.0001
NUDCD1	0.849	0.8292	<0.0001

TACC2	0.88	0.8296	<0.0001
TSACC	0.856	0.8297	<0.0001
HNRNPUL1	0.909	0.8297	<0.0001
C17orf75	0.91	0.8301	<0.0001
ABHD4	0.911	0.8305	<0.0001
IGF2BP1	0.907	0.8307	<0.0001
AAR2	0.908	0.8307	<0.0001
MIR548D1	0	0.8313	<0.0001
ZNF219	0.866	0.8316	<0.0001
WDR70	0.858	0.8318	<0.0001
ZNF280C	0.942	0.8318	<0.0001
SLC51B	0.851	0.8319	<0.0001
IP6K1	0.889	0.8321	<0.0001
AKR1C7P	0.793	0.8322	0.0023
UTP18	0.929	0.8328	<0.0001
FTLP2	0.645	0.8329	0.0068
SSBP1	0.94	0.8329	<0.0001
HDAC1	0.866	0.8331	<0.0001
SUV39H2	0.928	0.8331	<0.0001
ZNF775	0.952	0.8335	<0.0001
METTL5	0.897	0.8341	<0.0001
ADAM15	0.915	0.8355	<0.0001
CNPY2	0.946	0.8356	<0.0001
PDE6D	0.89	0.8361	<0.0001
SMARCE1	0.917	0.8361	<0.0001
MEP1A	0.791	0.8363	<0.0001
RRP9	0.853	0.8363	<0.0001
DPH2	0.919	0.8364	<0.0001
ERMP1	0.843	0.8365	<0.0001
RPL23AP7	0.936	0.8365	<0.0001
COCH	0.841	0.8367	<0.0001
GTF3C2	0.898	0.8368	<0.0001
RRS1	0.923	0.8368	<0.0001

C20orf27	0.852	0.837	<0.0001
FABP5	0.894	0.8372	<0.0001
PHF6	0.929	0.8372	<0.0001
BAG2	0.735	0.8378	<0.0001
C5orf22	0.884	0.8378	<0.0001
RFX8	0.754	0.8379	<0.0001
CS	0.92	0.8379	<0.0001
ACBD3	0.921	0.8383	<0.0001
SLC36A1	0.873	0.8384	<0.0001
MTCH1	0.839	0.8385	<0.0001
P3H4	0.791	0.8394	0.0013
CCSAP	0.824	0.8394	<0.0001
PHPT1	0.858	0.8395	<0.0001
C19orf48	0.877	0.8395	<0.0001
PPIH	0.925	0.84	<0.0001
RFC1	0.926	0.84	<0.0001
TRAPPC2B	0.657	0.8403	0.0004
ZNF16	0.901	0.8403	<0.0001
CUL7	0.847	0.8404	<0.0001
UBE2O	0.868	0.8411	<0.0001
SRM	0.885	0.8411	<0.0001
E2F3	0.896	0.8411	<0.0001
ISCA1P4	0	0.8413	<0.0001
CDCA7	0.811	0.8415	<0.0001
KLHL7	0.912	0.8416	<0.0001
COIL	0.846	0.8418	<0.0001
EXOSC4	0.826	0.8419	<0.0001
B3GNT5	0.88	0.8421	<0.0001
ZNF143	0.874	0.8424	<0.0001
PABPC1	0.926	0.8426	<0.0001
KIAA1614-AS1	0.787	0.8434	<0.0001
LINC01431	0.618	0.8435	<0.0001
MIEN1	0.864	0.8436	<0.0001

ZNF792	0.851	0.8437	<0.0001
RFWD3	0.85	0.8442	<0.0001
C7orf25	0.975	0.8443	0.0003
PPIL1	0.785	0.8443	<0.0001
NRBP1	0.839	0.8448	<0.0001
YY1AP1	0.892	0.8453	<0.0001
ASPH	0.899	0.8454	<0.0001
TPR	0.926	0.8454	<0.0001
TRIM32	0.835	0.8456	<0.0001
SMIM4	0.881	0.8462	<0.0001
NETO2	0.897	0.8464	<0.0001
CEP72	0.897	0.8466	<0.0001
HIST1H2BG	0.852	0.8469	<0.0001
RPL27	0.893	0.847	<0.0001
UBR5	0.877	0.8471	<0.0001
ATAD5	0.935	0.8471	<0.0001
PIP4K2C	0.822	0.8474	<0.0001
SFR1	0.893	0.8475	<0.0001
COX6C	0.856	0.8476	<0.0001
NKIRAS2	0.923	0.8477	<0.0001
MSL3P1	0.812	0.8478	<0.0001
TOMM40	0.839	0.8478	<0.0001
NAP1L4P1	0.322	0.848	<0.0001
CENPN	0.853	0.8481	<0.0001
RNF157	0.736	0.8484	<0.0001
CCDC170	0.617	0.8485	<0.0001
EIF2AK1	0.894	0.8486	<0.0001
CHML	0.934	0.849	<0.0001
VPS33A	0.891	0.8493	<0.0001
MYO19	0.914	0.8493	<0.0001
COL4A2	0.867	0.85	<0.0001
MANF	0.804	0.8502	<0.0001
CBX4	0.814	0.8505	<0.0001

AGPAT1	0.904	0.8506	<0.0001
HNRNPA3P5	0.879	0.8508	0.0161
KIF20B	0.809	0.8508	<0.0001
TCFL5	0.872	0.8512	<0.0001
ICK	0.904	0.8512	<0.0001
RALA	0.891	0.8522	<0.0001
ZNF142	0.838	0.8527	<0.0001
INTS3	0.877	0.8531	<0.0001
CCHCR1	0.922	0.8532	<0.0001
ABCC10	0.846	0.8533	<0.0001
NAA10	0.792	0.8541	<0.0001
SMYD5	0.849	0.8542	<0.0001
KIAA0100	0.869	0.8545	<0.0001
PEG10	0.839	0.8546	<0.0001
LMNB2	0.844	0.855	<0.0001
MUC13	0.823	0.8551	<0.0001
PLXDC1	0.901	0.8555	<0.0001
PKM	0.809	0.8561	<0.0001
APEX2	0.866	0.8562	<0.0001
COPZ1	0.89	0.8562	<0.0001
NONO	0.878	0.8563	<0.0001
RNF220	0.795	0.8564	<0.0001
PPP1R14BP2	0.462	0.8565	<0.0001
MCRIP1	0.272	0.8567	<0.0001
CLGN	0.874	0.8567	<0.0001
KIF24	0.944	0.8568	<0.0001
SLC52A2	0.859	0.8571	<0.0001
TIMM8AP1	0.656	0.8572	0.007
DUT	0.882	0.8572	<0.0001
RBL1	0.914	0.8581	<0.0001
KIF2A	0.898	0.8583	<0.0001
TRIM59	0.83	0.8584	<0.0001
TMEM184B	0.841	0.8585	<0.0001

PAQR4	0.916	0.8585	<0.0001
IARS	0.925	0.8587	<0.0001
GOLT1B	0.889	0.8588	<0.0001
STRBP	0.899	0.8588	<0.0001
LIG3	0.925	0.8588	<0.0001
AARS2	0.877	0.8593	<0.0001
GEMIN6	0.85	0.8602	<0.0001
CDK5RAP1	0.916	0.8606	<0.0001
INCENP	0.918	0.8608	<0.0001
DUSP9	0.868	0.861	<0.0001
OR51E1	0.882	0.8611	<0.0001
THEM4	0.902	0.8613	<0.0001
DNAJC14	0.908	0.8617	<0.0001
MAGEA1	0.806	0.8619	<0.0001
LOC400684	0.669	0.8621	<0.0001
PPIAP13	0	0.8623	<0.0001
MED24	0.926	0.8628	<0.0001
CAPG	0.877	0.8629	<0.0001
MAPT	0.93	0.863	<0.0001
MGME1	0.743	0.8631	<0.0001
MIR4482	0.541	0.8632	0.0127
DDX49	0.833	0.8632	<0.0001
ANGEL2	0.905	0.8632	<0.0001
SCRIB	0.898	0.8635	<0.0001
COPG2	0.914	0.8638	<0.0001
TMEM79	0.889	0.8639	<0.0001
SH3BP5L	0.878	0.8641	<0.0001
RBP7	0.859	0.8642	<0.0001
WAC-AS1	0.963	0.8646	0.0201
ZHX1-C8orf76	0.689	0.8647	<0.0001
FNBP1L	0.911	0.8647	<0.0001
LAS1L	0.854	0.8649	<0.0001
LYRM4	0.9	0.8651	<0.0001

MESP2	0.952	0.8653	<0.0001
C17orf80	0.912	0.8654	<0.0001
LBR	0.935	0.8657	<0.0001
CYP2R1	0.864	0.8658	<0.0001
GNPDA1	0.858	0.8659	<0.0001
SEMA5B	0.938	0.8659	<0.0001
ZNF7	0.809	0.8662	<0.0001
CPQ	0.91	0.8663	<0.0001
ARFGEF3	0.492	0.8674	<0.0001
CDC25B	0.863	0.8674	<0.0001
GAPLINC	0.116	0.8676	<0.0001
FAM72B	0.966	0.8677	0.0017
RPS21	0.914	0.8681	<0.0001
ADAR	0.927	0.8685	<0.0001
CDK7	0.89	0.8687	<0.0001
NUAK1	0.906	0.869	<0.0001
SPTAN1	0.918	0.8692	<0.0001
TM4SF19-AS1	0.912	0.8693	0.0382
FAM199X	0.837	0.8693	<0.0001
MRPL13	0.868	0.8696	<0.0001
COMMD2	0.904	0.8701	<0.0001
UBL4A	0.857	0.8702	<0.0001
NSUN5	0.932	0.8708	<0.0001
CREB3L2	0.894	0.8712	<0.0001
CBX8	0.908	0.8725	<0.0001
DRG1	0.906	0.8726	<0.0001
CEP89	0.862	0.8727	<0.0001
TSPAN17	0.865	0.8728	<0.0001
JTB	0.831	0.8736	<0.0001
HAGLR	0.863	0.8738	0.0001
DAD1	0.931	0.8738	<0.0001
WFS1	0.794	0.8741	<0.0001
BMI1	0.905	0.8744	<0.0001

HCG17	0.391	0.8752	<0.0001
HARS2	0.756	0.8756	<0.0001
COX7B2	0.687	0.8758	<0.0001
RPS6KC1	0.915	0.8763	<0.0001
HRCT1	0.805	0.8765	<0.0001
TBL2	0.845	0.8769	<0.0001
CCDC77	0.907	0.877	<0.0001
POLG2	0.892	0.8774	<0.0001
NIF3L1	0.876	0.8784	<0.0001
NELFCD	0.77	0.8785	<0.0001
REPIN1	0.923	0.8785	<0.0001
C14orf93	0.938	0.8786	<0.0001
KTN1-AS1	0.767	0.879	<0.0001
NMB	0.897	0.8796	<0.0001
DVL2	0.89	0.88	<0.0001
MRAP2	0.849	0.8802	<0.0001
SPON2	0.863	0.8802	<0.0001
TPD52L2	0.909	0.8802	<0.0001
CEP250	0.914	0.8804	<0.0001
TOMM34	0.849	0.8806	<0.0001
ALG1	0.845	0.8808	<0.0001
YWHAZ	0.914	0.8815	<0.0001
BZW2	0.871	0.8817	<0.0001
TMED9	0.868	0.8818	<0.0001
TCOF1	0.907	0.8818	<0.0001
SOX13	0.912	0.8825	<0.0001
MED12	0.864	0.8826	<0.0001
MRPS21	0.924	0.8828	<0.0001
ZNF251	0.924	0.8833	<0.0001
JMJD4	0.905	0.8835	<0.0001
LRRC1	0.926	0.8839	<0.0001
HES6	0.915	0.8841	<0.0001
PHYHIPL	0.805	0.8844	<0.0001

DOLK	0.911	0.8845	<0.0001
PFDN4	0.921	0.8845	<0.0001
ARF1	0.952	0.8847	<0.0001
RNF20	0.891	0.8854	<0.0001
ATP2A2	0.911	0.8854	<0.0001
EIF2B1	0.85	0.8855	<0.0001
RBBP5	0.905	0.8857	<0.0001
PIGM	0.882	0.8864	<0.0001
CAPRN1	0.926	0.8872	<0.0001
ESPL1	0.791	0.8874	<0.0001
HM13	0.894	0.8876	<0.0001
PPIA	0.916	0.8876	<0.0001
MCAM	0.866	0.8887	<0.0001
TIPRL	0.922	0.8888	<0.0001
RPL7P26	0.802	0.889	0.0018
ANKRD39	0.891	0.8892	<0.0001
FBXO45	0.912	0.8892	<0.0001
RNFT2	0.858	0.8895	<0.0001
ALG6	0.872	0.8895	<0.0001
COX6B1	0.896	0.8895	<0.0001
FBXL18	0.906	0.89	<0.0001
FIBP	0.888	0.8902	<0.0001
EDC3	0.915	0.8907	<0.0001
TAX1BP1	0.917	0.8907	<0.0001
HIST1H4H	0.856	0.8913	<0.0001
PPIB	0.903	0.8913	<0.0001
MANBAL	0.908	0.8914	<0.0001
UBAP2	0.817	0.8921	<0.0001
PPME1	0.82	0.8924	<0.0001
VMA21	0.865	0.8924	<0.0001
PXN-AS1	0.764	0.8936	<0.0001
TMEM68	0.86	0.8939	<0.0001
GTF2E1	0.865	0.8939	<0.0001

EIF3H	0.895	0.8941	<0.0001
MPC2	0.911	0.8942	<0.0001
SRP9P1	0.144	0.8949	<0.0001
CLIC1	0.92	0.8949	<0.0001
ABCF2	0.905	0.8954	<0.0001
CCT2	0.876	0.8965	<0.0001
TMEM69	0.856	0.8967	<0.0001
ZFP62	0.919	0.8969	<0.0001
UCHL5	0.861	0.8975	<0.0001
ISX	0.779	0.8978	<0.0001
CALU	0.897	0.8984	<0.0001
UBE2Z	0.881	0.8988	<0.0001
AGO2	0.889	0.8989	<0.0001
TRIM39-RPP21	0.209	0.899	<0.0001
FAM122B	0.852	0.899	<0.0001
ARF4-AS1	0	0.8991	<0.0001
DCLRE1B	0.917	0.8991	<0.0001
OTUB2	0.913	0.8996	<0.0001
ENSA	0.898	0.8997	<0.0001
TCEA1P2	0.688	0.8999	0.0067
RALBP1	0.877	0.8999	<0.0001
ABHD12	0.929	0.8999	<0.0001
GSTA4	0.846	0.9011	<0.0001
H2AFV	0.88	0.9013	<0.0001
CCDC137	0.852	0.9015	<0.0001
PSMB5	0.889	0.9017	<0.0001
PDZD11	0.951	0.9018	<0.0001
MIR4435-2HG	0.901	0.9019	0.0406
HMGXB3	0.895	0.902	<0.0001
QARS	0.835	0.9021	<0.0001
TULP3	0.847	0.9022	<0.0001
TIGD5	0.934	0.9028	<0.0001
ALG3	0.895	0.9033	<0.0001

PRMT3	0.908	0.9035	<0.0001
CCDC86	0.913	0.9038	<0.0001
SOWAHA	0.837	0.9041	<0.0001
GTPBP4	0.914	0.9051	<0.0001
CLN6	0.843	0.9057	<0.0001
RUVBL2	0.885	0.9063	<0.0001
SUPT16H	0.894	0.9063	<0.0001
COG5	0.928	0.9063	<0.0001
PCAT6	0.646	0.9064	<0.0001
HEATR6	0.892	0.9068	<0.0001
CASC9	0	0.9069	<0.0001
YKT6	0.899	0.9071	<0.0001
TMEM81	0.883	0.9081	<0.0001
FKBP1C	0.592	0.9082	<0.0001
ZNF692	0.935	0.9082	<0.0001
GMFB	0.924	0.9083	<0.0001
BOLA2	0.966	0.9083	<0.0001
ARFGEF2	0.932	0.9086	<0.0001
IFT52	0.92	0.9096	<0.0001
PLXNC1	0.861	0.9098	<0.0001
KPNB1	0.876	0.9101	<0.0001
CPSF6	0.934	0.9108	<0.0001
EEF2KMT	0.549	0.911	<0.0001
RGS5	0.921	0.911	<0.0001
PPIAL4A	0.811	0.9113	<0.0001
PRKAR2A-AS1	0.917	0.9122	0.0254
MARS	0.869	0.9122	<0.0001
LUCAT1	0.799	0.9126	0.0058
ABCC5	0.902	0.9127	<0.0001
EPS8L3	0.893	0.913	<0.0001
CAD	0.917	0.9132	<0.0001
ITPKA	0.821	0.9141	<0.0001
AP3M2	0.917	0.9143	<0.0001

CUTA	0.931	0.9144	<0.0001
G6PD	0.888	0.9145	<0.0001
ZNF559-ZNF177	0.288	0.915	<0.0001
NOTCH3	0.859	0.9156	<0.0001
SUB1	0.932	0.9158	<0.0001
BOLA1	0.848	0.916	<0.0001
AGBL5	0.924	0.9162	<0.0001
C5orf51	0.893	0.9163	<0.0001
PRR34-AS1	0.772	0.9166	<0.0001
LRP11	0.844	0.9168	<0.0001
DESI2	0.833	0.9174	<0.0001
ZFP41	0.883	0.9177	<0.0001
PLCE1	0.876	0.9178	<0.0001
TCHP	0.864	0.9181	<0.0001
PEX11B	0.919	0.9181	<0.0001
TMEM74	0.772	0.9188	<0.0001
PUS7	0.907	0.9188	<0.0001
PYCARD-AS1	0	0.919	<0.0001
CFL1	0.917	0.9194	<0.0001
MAF1	0.809	0.9196	<0.0001
WDR45B	0.88	0.9197	<0.0001
ZSCAN9	0.869	0.9199	<0.0001
CYHR1	0.903	0.9201	<0.0001
SLC4A1AP	0.875	0.9204	<0.0001
SUPT4H1	0.913	0.9204	<0.0001
SSR1	0.908	0.9207	<0.0001
EBF1	0.837	0.9214	<0.0001
CYC1	0.815	0.9215	<0.0001
LMNA	0.941	0.9217	<0.0001
DNAJC6	0.956	0.9217	<0.0001
C17orf53	0.937	0.9222	<0.0001
COPS5	0.895	0.9225	<0.0001
DDOST	0.876	0.924	<0.0001

PPP1CC	0.911	0.9253	<0.0001
ANXA2P2	0.959	0.9253	<0.0001
NAA40	0.927	0.9256	<0.0001
PIR	0.878	0.9261	<0.0001
FANCE	0.891	0.9265	<0.0001
TBCB	0.853	0.9271	<0.0001
ZNF572	0.864	0.9274	<0.0001
EIF3B	0.92	0.9275	<0.0001
HSPA14	0.885	0.9277	<0.0001
WDR12	0.882	0.9278	<0.0001
HIST2H2BC	0.857	0.9281	<0.0001
LINC01186	0.93	0.9282	0.001
RRP15	0.89	0.9285	<0.0001
PDCD5	0.893	0.9285	<0.0001
ANXA2R	0.92	0.9285	<0.0001
C4orf46	0.872	0.9286	<0.0001
RPL30	0.919	0.9286	<0.0001
STC2	0.873	0.9292	<0.0001
PSMC2	0.886	0.9298	<0.0001
ZNF528-AS1	0	0.9299	<0.0001
DNMT1	0.853	0.9302	<0.0001
CCT7	0.909	0.9306	<0.0001
KNOP1	0.927	0.9309	<0.0001
NSF	0.946	0.9311	<0.0001
SENP1	0.875	0.9322	<0.0001
PPP2R5A	0.905	0.9325	<0.0001
RNF26	0.87	0.9328	<0.0001
FTH1P8	0.68	0.9341	0.0044
SERPINI1	0.892	0.9342	<0.0001
GAS2L3	0.87	0.9343	<0.0001
NDUFB9	0.845	0.9359	<0.0001
VAT1	0.845	0.9359	<0.0001
MRGBP	0.858	0.9361	<0.0001

TMCO3	0.832	0.9369	<0.0001
TUBB	0.924	0.9376	<0.0001
MIR6835	0.02	0.9377	<0.0001
RPAP1	0.882	0.9377	<0.0001
AVL9	0.883	0.938	<0.0001
TONSL	0.917	0.9383	<0.0001
SLBP	0.903	0.9386	<0.0001
USP21	0.923	0.9386	<0.0001
YWHAH	0.892	0.9389	<0.0001
SAAL1	0.9	0.9392	<0.0001
UHRF1	0.926	0.9394	<0.0001
TAGLN2	0.889	0.9405	<0.0001
MPV17	0.857	0.9413	<0.0001
PHBP11	0.777	0.9415	0.0356
TSNAX	0.912	0.9416	<0.0001
RALY-AS1	0.397	0.9419	<0.0001
ZNF623	0.917	0.9419	<0.0001
TRMT12	0.848	0.942	<0.0001
ILF3	0.913	0.9421	<0.0001
SEMA3F	0.917	0.9422	<0.0001
BRMS1	0.91	0.9427	<0.0001
DYNC1H1	0.915	0.9429	<0.0001
PPP1R35	0.901	0.9432	<0.0001
TRIP4	0.901	0.9434	<0.0001
TMEM258	0.858	0.9435	<0.0001
BSG	0.894	0.9436	<0.0001
SOGA1	0.954	0.945	<0.0001
RAD54B	0.923	0.9453	<0.0001
NDUFA4L2	0.833	0.9454	<0.0001
CHAF1B	0.886	0.9455	<0.0001
OTUD6B	0.895	0.9457	<0.0001
LIG1	0.861	0.946	<0.0001
PSMB3	0.877	0.9463	<0.0001

BOLA2B	0.922	0.9464	<0.0001
NOX4	0.852	0.9465	<0.0001
SMARCAL1	0.897	0.9467	<0.0001
NCAPD2P1	0.377	0.9468	<0.0001
RUSC1	0.904	0.9469	<0.0001
RAD18	0.918	0.9472	<0.0001
NHP2	0.906	0.9473	<0.0001
RNF187	0.916	0.9474	<0.0001
SLC1A4	0.861	0.9477	<0.0001
TYMSOS	0.951	0.9478	0.0025
CYB5R1	0.821	0.9481	<0.0001
TAF2	0.901	0.9483	<0.0001
CTHRC1	0.893	0.9488	<0.0001
PFDN6	0.909	0.9498	<0.0001
STT3A	0.863	0.9499	<0.0001
DNAJC9	0.894	0.9499	<0.0001
PRPF6	0.913	0.9503	<0.0001
R3HDM1	0.916	0.9505	<0.0001
DBF4	0.939	0.9519	<0.0001
OLFML2A	0.899	0.952	<0.0001
TMEM199	0.846	0.953	<0.0001
TM4SF1-AS1	0.133	0.9532	<0.0001
ADCK2	0.87	0.9532	<0.0001
FANCF	0.918	0.9537	<0.0001
ZFP64	0.935	0.9538	<0.0001
HSPA4	0.92	0.9546	<0.0001
COLCA2	0.814	0.9549	<0.0001
CCDC107	0.906	0.9552	<0.0001
XPO1	0.908	0.9554	<0.0001
SAYSD1	0.89	0.9557	<0.0001
DDX11-AS1	0.961	0.9558	0.0055
TP53BP2	0.937	0.9558	<0.0001
SASS6	0.922	0.9559	<0.0001

RAB3B	0.884	0.956	<0.0001
RPL8	0.922	0.956	<0.0001
SUZ12	0.924	0.9565	<0.0001
C6orf89	0.863	0.9566	<0.0001
HYI-AS1	0.879	0.9569	0.0367
C1orf74	0.828	0.9571	<0.0001
MAP4K4	0.913	0.9578	<0.0001
DKC1	0.888	0.958	<0.0001
SNHG6	0.769	0.9586	<0.0001
PDCD2L	0.798	0.9587	<0.0001
CCT5	0.946	0.9587	<0.0001
POLR2G	0.887	0.9592	<0.0001
CNOT10	0.879	0.9594	<0.0001
DROSHA	0.877	0.9603	<0.0001
PIGT	0.943	0.9603	<0.0001
LINC01224	0.234	0.9605	<0.0001
NAT9	0.921	0.9608	<0.0001
ORMDL2	0.905	0.9609	<0.0001
SLC9A6	0.933	0.961	<0.0001
SLC25A43	0.916	0.9615	<0.0001
DEDD	0.924	0.9616	<0.0001
CANX	0.924	0.962	<0.0001
BCAT2	0.88	0.9628	<0.0001
GPATCH4	0.943	0.9632	<0.0001
EME1	0.934	0.964	<0.0001
ADSL	0.869	0.9641	<0.0001
CWC27	0.887	0.9643	<0.0001
PARP2	0.927	0.9643	<0.0001
SH3PXD2B	0.818	0.9648	<0.0001
GORASP2	0.837	0.9649	<0.0001
MTHFD1L	0.93	0.965	<0.0001
CHTOP	0.751	0.9653	<0.0001
RUVBL1	0.907	0.966	<0.0001

NENF	0.901	0.9661	<0.0001
ACACA	0.94	0.9662	<0.0001
TRIM37	0.924	0.9663	<0.0001
HMGA1	0.936	0.9665	<0.0001
ZBTB41	0.893	0.9667	<0.0001
SNORD86	0	0.9671	0.0002
LPGAT1	0.929	0.9674	<0.0001
C1orf35	0.916	0.9681	<0.0001
SPSB2	0.905	0.9682	<0.0001
SRPK1	0.846	0.9683	<0.0001
HIST1H2AM	0.89	0.9685	<0.0001
ESCO2	0.929	0.9685	<0.0001
CSNK2B	0.93	0.9685	<0.0001
HDAC11	0.94	0.9686	<0.0001
CNOT6	0.852	0.9691	<0.0001
ELOVL1	0.887	0.9691	<0.0001
SLC35F6	0.932	0.9692	<0.0001
ITGB3BP	0.893	0.9694	<0.0001
WDR62	0.905	0.9698	<0.0001
OSBPL3	0.905	0.9701	<0.0001
SNRPD1	0.924	0.9703	<0.0001
VSIG10	0.829	0.9706	<0.0001
S100A10	0.909	0.9708	<0.0001
BOLA3	0.919	0.971	<0.0001
FTLP12	0.71	0.9723	0.0126
NT5DC2	0.814	0.973	<0.0001
TRIM28	0.808	0.9731	<0.0001
LINC01419	0.042	0.9733	<0.0001
TOMM20	0.921	0.9742	<0.0001
TMEM206	0.847	0.975	<0.0001
PDIA3P1	0.545	0.9754	0.0055
BROX	0.909	0.9757	<0.0001
COMMD5	0.928	0.9757	<0.0001

GGPS1	0.93	0.9765	<0.0001
HAX1	0.925	0.9767	<0.0001
LOC100289561	0.435	0.977	<0.0001
IMPDH2	0.849	0.9771	<0.0001
MIR4737	0.656	0.9776	<0.0001
CDC123	0.862	0.9776	<0.0001
ZNF544	0.903	0.9777	<0.0001
STRIP2	0.801	0.9789	<0.0001
TRIM24	0.908	0.9794	<0.0001
ANXA2	0.925	0.9795	<0.0001
TSEN15	0.89	0.9799	<0.0001
LYSMD1	0.892	0.98	<0.0001
RBM34	0.948	0.9805	<0.0001
LOC100506100	0.322	0.9808	<0.0001
SMARCC1	0.857	0.9808	<0.0001
PTCD1	0.953	0.9812	<0.0001
TUBA1C	0.828	0.9821	<0.0001
BUB3	0.901	0.9826	<0.0001
PDRG1	0.816	0.9829	<0.0001
FTSJ3	0.847	0.9829	<0.0001
MCMDC2	0.911	0.9836	<0.0001
ARPC5	0.924	0.9836	<0.0001
SLC35B2	0.902	0.9837	<0.0001
MRPS23	0.911	0.984	<0.0001
CPD	0.892	0.9845	<0.0001
AKR1B15	0.813	0.9846	<0.0001
AACS	0.854	0.9851	<0.0001
PAXIP1	0.885	0.9854	<0.0001
GM2A	0.918	0.9854	<0.0001
CASK	0.898	0.9856	<0.0001
SHC1	0.894	0.9857	<0.0001
METTL18	0.847	0.986	<0.0001
SND1	0.883	0.9866	<0.0001

SHARPIN	0.906	0.9869	<0.0001
LOC100288637	0.874	0.987	0.0174
TRIM52-AS1	0.852	0.987	<0.0001
FAM72A	0.93	0.9878	<0.0001
RALY	0.912	0.9879	<0.0001
LINC01535	0.186	0.988	<0.0001
GTPBP2	0.91	0.9889	<0.0001
CHD1L	0.908	0.989	<0.0001
BPGM	0.919	0.9891	<0.0001
EIF4A3	0.895	0.9902	<0.0001
CSTB	0.918	0.9911	<0.0001
GINS4	0.839	0.9915	<0.0001
B3GALNT2	0.895	0.9915	<0.0001
RBM12B	0.915	0.9921	<0.0001
MFSD5	0.911	0.9928	<0.0001
RPN2	0.932	0.9931	<0.0001
GNS	0.917	0.9932	<0.0001
HEY1	0.892	0.9934	<0.0001
GABRD	0.954	0.9939	<0.0001
NOL7	0.921	0.9941	<0.0001
VBP1	0.925	0.9944	<0.0001
SRXN1	0.972	0.9944	<0.0001
CCT4	0.903	0.9947	<0.0001
SUV39H1	0.86	0.9948	<0.0001
H2AFY	0.926	0.9952	<0.0001
KIF18B	0.93	0.9955	<0.0001
BOP1	0.877	0.9956	<0.0001
ZBTB9	0.893	0.9962	<0.0001
TGM3	0.858	0.9968	<0.0001
LPL	0.916	0.997	<0.0001
CDCA4	0.925	0.9971	<0.0001
TMEM104	0.886	0.9975	<0.0001
TRAF2	0.886	0.9984	<0.0001

ACSL4	0.917	0.9987	<0.0001
DUS4L	0.907	0.9989	<0.0001
ARHGEF11	0.909	0.999	<0.0001
POLD1	0.859	0.9994	<0.0001
PSMD11	0.871	1.0001	<0.0001
SPAG5	0.877	1.0001	<0.0001
BORA	0.736	1.0002	<0.0001
XPOT	0.912	1.0002	<0.0001
CTNNA1	0.926	1.0003	<0.0001
RRP36	0.746	1.0005	<0.0001
CDC7	0.889	1.001	<0.0001
NUP107	0.918	1.0033	<0.0001
CNOT11	0.901	1.0036	<0.0001
EMC2	0.896	1.004	<0.0001
SNAPIN	0.875	1.0041	<0.0001
EEF1A1P19	0.65	1.0058	0.0013
LRRC42	0.829	1.0058	<0.0001
FAM222A	0.915	1.0062	<0.0001
C17orf58	0.913	1.0065	<0.0001
SESTD1	0.868	1.0066	<0.0001
C1orf43	0.914	1.0067	<0.0001
SMC2	0.924	1.0071	<0.0001
PLCB1	0.898	1.0077	<0.0001
GNAZ	0.908	1.0077	<0.0001
NPC1	0.88	1.0084	<0.0001
RBM42	0.9	1.0086	<0.0001
NAA20	0.826	1.0088	<0.0001
NTPCR	0.848	1.0104	<0.0001
TRMT6	0.88	1.0105	<0.0001
ELOB	0.806	1.0108	0.0039
POC1A	0.814	1.011	<0.0001
UBE2A	0.924	1.011	<0.0001
MTX1	0.937	1.0125	<0.0001

H2AFX	0.879	1.0139	<0.0001
WDHD1	0.935	1.0141	<0.0001
SORT1	0.864	1.0145	<0.0001
CLN3	0.94	1.0145	<0.0001
SULT1C2	0.864	1.0156	<0.0001
PHOSPHO2-KLHL23	0.618	1.0157	0.001
E2F2	0.932	1.0158	<0.0001
UBQLN4	0.952	1.0162	<0.0001
RN7SL751P	0.474	1.0163	<0.0001
RAD51	0.949	1.0164	<0.0001
TMEM9	0.85	1.0167	<0.0001
LAPTM4B	0.887	1.0174	<0.0001
CDC25A	0.884	1.0177	<0.0001
PPM1G	0.909	1.0177	<0.0001
TBC1D31	0.916	1.0182	<0.0001
MRPL24	0.912	1.0195	<0.0001
YWHAZP3	0.783	1.0198	<0.0001
PSMD1	0.867	1.02	<0.0001
CACYBP	0.918	1.0203	<0.0001
ORC6	0.886	1.0205	<0.0001
ANO10	0.867	1.0212	<0.0001
SSRP1	0.889	1.0212	<0.0001
RBM24	0.889	1.0214	<0.0001
ZFP69B	0.906	1.0215	<0.0001
PSMD10	0.927	1.0217	<0.0001
ZNF318	0.938	1.0219	<0.0001
NCOA6	0.911	1.0222	<0.0001
MCM10	0.911	1.0233	<0.0001
RAB11FIP4	0.896	1.0235	<0.0001
NPLOC4	0.93	1.0238	<0.0001
SBF2-AS1	0.964	1.0246	0.0078
GINS3	0.821	1.0252	<0.0001
ATIC	0.849	1.0258	<0.0001

SQSTM1	0.872	1.0267	<0.0001
HCG25	0.874	1.0269	0.0035
ERCC6L	0.94	1.0269	<0.0001
TMEM267	0.865	1.027	0.0309
HIST1H3H	0.91	1.0273	<0.0001
CENPQ	0.898	1.0286	<0.0001
SAP130	0.914	1.0291	<0.0001
PRR11	0.94	1.0295	<0.0001
MYO5C	0.895	1.0298	<0.0001
IPO9	0.904	1.0302	<0.0001
GPR158	0.937	1.0315	<0.0001
ZNF561-AS1	0.404	1.0322	<0.0001
MORC2	0.858	1.0329	<0.0001
SNRPD2	0.928	1.033	<0.0001
DCAF13	0.863	1.0336	<0.0001
RMI1	0.929	1.0341	<0.0001
B4GALT3	0.885	1.0342	<0.0001
SNRPA	0.874	1.0345	<0.0001
NARF	0.901	1.0352	<0.0001
LMNB1	0.872	1.0355	<0.0001
ZNF322	0.913	1.0356	<0.0001
YEATS2	0.869	1.0372	<0.0001
PIAS3	0.917	1.0372	<0.0001
IGSF3	0.907	1.038	<0.0001
PI4KB	0.866	1.0383	<0.0001
TRIM45	0.872	1.0384	<0.0001
SMARCA4	0.893	1.0387	<0.0001
TOMM40L	0.93	1.0394	<0.0001
RAC1P2	0.952	1.0407	0.0151
RABIF	0.945	1.0409	<0.0001
CEP295	0.823	1.041	0.0007
TUFT1	0.857	1.041	<0.0001
FAM96AP2	0	1.0415	<0.0001

EHMT2	0.956	1.042	<0.0001
HMGB2	0.915	1.0424	<0.0001
MPZL1	0.888	1.0446	<0.0001
ARMC1	0.915	1.0457	<0.0001
DDX41	0.831	1.0458	<0.0001
NUP62	0.929	1.0462	<0.0001
CPSF4	0.929	1.0463	<0.0001
ITGB1BP1	0.915	1.0464	<0.0001
CKAP4	0.871	1.0485	<0.0001
HEATR1	0.926	1.0485	<0.0001
MZT1	0.885	1.0487	<0.0001
PSMD14	0.919	1.049	<0.0001
NUDT1	0.95	1.0491	<0.0001
GTF2IRD1	0.885	1.0499	<0.0001
CCDC97	0.854	1.0502	<0.0001
TIPIN	0.815	1.0507	<0.0001
XPR1	0.931	1.0512	<0.0001
CEP41	0.928	1.0517	<0.0001
POLE2	0.871	1.0522	<0.0001
ANAPC7	0.911	1.0535	<0.0001
ACTL6A	0.899	1.0549	<0.0001
TMEM147	0.847	1.055	<0.0001
CDKN2AIPNL	0.955	1.055	<0.0001
TMEM237	0.817	1.0553	<0.0001
TOPBP1	0.909	1.0553	<0.0001
CD109	0.817	1.0554	<0.0001
TPGS2	0.872	1.0555	<0.0001
MCRS1	0.918	1.0559	<0.0001
INTS7	0.91	1.0566	<0.0001
SLC50A1	0.765	1.0567	<0.0001
STXBP6	0.914	1.0573	<0.0001
MTA3	0.838	1.0584	<0.0001
ZBED8	0.839	1.0589	<0.0001

PODXL	0.93	1.0595	<0.0001
PUF60	0.84	1.0606	<0.0001
BARD1	0.883	1.0611	<0.0001
HIGD1B	0.951	1.0615	<0.0001
LRRC14	0.859	1.0621	<0.0001
FIGNL1	0.932	1.0621	<0.0001
HLTF	0.917	1.0626	<0.0001
DLG5	0.91	1.0627	<0.0001
TBC1D7	0.886	1.064	<0.0001
CDPF1	0.437	1.0643	<0.0001
DYNLRB1	0.949	1.0658	<0.0001
LASP1	0.842	1.0668	<0.0001
CEP131	0.929	1.0668	<0.0001
LINC01389	0.344	1.067	<0.0001
AZIN1-AS1	0	1.0675	<0.0001
FBXO43	0.929	1.0678	<0.0001
KIAA1522	0.881	1.0681	<0.0001
RBBP7	0.915	1.0688	<0.0001
RIC8A	0.873	1.0689	<0.0001
SFN	0.815	1.0696	<0.0001
TTF2	0.884	1.0697	<0.0001
MYBL2	0.946	1.072	<0.0001
CETN2	0.857	1.0729	<0.0001
ZNF687	0.9	1.0731	<0.0001
LSM2	0.899	1.0732	<0.0001
HMGN4	0.914	1.0732	<0.0001
ZWILCH	0.918	1.0734	<0.0001
SLC41A3	0.939	1.0745	<0.0001
DYNLL1	0.918	1.0748	<0.0001
NRAS	0.919	1.0748	<0.0001
MMS22L	0.847	1.075	<0.0001
STX6	0.923	1.0754	<0.0001
BUD31	0.927	1.0758	<0.0001

THBS4	0.898	1.0766	<0.0001
TTL	0.863	1.0769	<0.0001
DNAAF5	0.803	1.0773	0.0005
TRIM11	0.865	1.0782	<0.0001
PAFAH1B3	0.843	1.0789	<0.0001
AKIP1	0.91	1.0794	<0.0001
RAD51C	0.912	1.0798	<0.0001
HNRNPA1P21	0.565	1.0799	<0.0001
TUBA1B	0.894	1.08	<0.0001
CENPH	0.956	1.0802	<0.0001
OLFML2B	0.909	1.0807	<0.0001
ZNF252P	0.902	1.0809	<0.0001
PSMC4	0.898	1.0826	<0.0001
VRK1	0.912	1.0826	<0.0001
FANCD2	0.931	1.0842	<0.0001
ANKRD27	0.925	1.0843	<0.0001
DIAPH3	0.949	1.0853	<0.0001
SLC7A11	0.815	1.0857	<0.0001
RECQL4	0.9	1.0859	<0.0001
MMP11	0.897	1.0862	<0.0001
PTK2	0.905	1.0868	<0.0001
MIS18A	0.802	1.0879	<0.0001
HAGLROS	0.979	1.0894	0.0251
COMMD4	0.919	1.0899	<0.0001
GLMP	0.908	1.0901	0.0062
PARP1	0.883	1.0908	<0.0001
GINS2	0.854	1.0918	<0.0001
NVL	0.928	1.0922	<0.0001
SHCBP1	0.925	1.0928	<0.0001
SLC26A2	0.902	1.0931	<0.0001
APLN	0.906	1.0935	<0.0001
HOXA13	0.839	1.0946	<0.0001
ZKSCAN3	0.876	1.095	<0.0001

ZKSCAN5	0.918	1.0956	<0.0001
TMEM38B	0.912	1.0958	<0.0001
WDR76	0.897	1.0984	<0.0001
PYCR2	0.818	1.1008	<0.0001
DDX39A	0.827	1.1008	<0.0001
TMEM209	0.911	1.1017	<0.0001
CELSR3	0.861	1.102	<0.0001
RMI2	0.916	1.102	<0.0001
PYGB	0.87	1.1033	<0.0001
KLHL23	0.845	1.1034	<0.0001
BLM	0.863	1.1039	<0.0001
DHX57	0.966	1.104	<0.0001
FDPS	0.922	1.1042	<0.0001
COPA	0.924	1.1042	<0.0001
CCNE1	0.904	1.1043	<0.0001
AKR1B10	0.752	1.1045	<0.0001
SMG5	0.878	1.1046	<0.0001
GLA	0.873	1.1051	<0.0001
RAD54L	0.893	1.1054	<0.0001
ALYREF	0.885	1.1056	<0.0001
POLR3C	0.883	1.1058	<0.0001
COPS6	0.9	1.1066	<0.0001
HGS	0.905	1.1092	<0.0001
TMEM101	0.927	1.1095	<0.0001
NDRG3	0.911	1.11	<0.0001
WDYHV1	0.836	1.1109	<0.0001
NDC1	0.883	1.1111	<0.0001
PSPH	0.91	1.1111	<0.0001
FAM83H	0.759	1.1116	<0.0001
LARP1	0.924	1.1116	<0.0001
RAP2A	0.904	1.1119	<0.0001
UXS1	0.921	1.1129	<0.0001
GARS	0.91	1.1131	<0.0001

RRAGD	0.868	1.1144	<0.0001
ZSWIM5	0.839	1.1145	<0.0001
FAM50A	0.864	1.1151	<0.0001
NEIL3	0.907	1.1153	<0.0001
LARS	0.935	1.1159	<0.0001
TIMELESS	0.895	1.1163	<0.0001
CANT1	0.863	1.1166	<0.0001
CDT1	0.918	1.1199	<0.0001
COL4A1	0.921	1.1203	<0.0001
CDK5	0.882	1.1218	<0.0001
DEPDC1B	0.919	1.1218	<0.0001
RAD21	0.899	1.1234	<0.0001
XRCC1	0.94	1.1241	<0.0001
TXNRD1	0.924	1.1242	<0.0001
DGKZP1	0	1.1248	<0.0001
DUXAP10	0.898	1.1249	<0.0001
DNAJB11	0.86	1.1252	<0.0001
CKS2	0.923	1.1258	<0.0001
E2F1	0.939	1.1263	<0.0001
CDC23	0.905	1.1265	<0.0001
POLA1	0.901	1.1273	<0.0001
SP2-AS1	0.222	1.1281	<0.0001
POLA2	0.865	1.1286	<0.0001
ALG1L	0.884	1.1289	<0.0001
SLC38A6	0.918	1.1289	<0.0001
ISG20L2	0.862	1.1292	<0.0001
FBL	0.883	1.1299	<0.0001
NCSTN	0.899	1.1312	<0.0001
PLK4	0.888	1.1315	<0.0001
SNF8	0.907	1.1322	<0.0001
NUP133	0.919	1.1341	<0.0001
CBX1	0.897	1.1346	<0.0001
PTMAP5	0	1.1354	<0.0001

CDK4	0.88	1.1356	<0.0001
CKAP5	0.961	1.1379	<0.0001
ST8SIA6-AS1	0.68	1.1383	<0.0001
ARHGAP11A	0.953	1.1387	<0.0001
H2AFZ	0.869	1.1389	<0.0001
MTBP	0.944	1.1392	<0.0001
TCF19	0.934	1.1422	<0.0001
GBAP1	0.91	1.1431	<0.0001
CPSF3	0.907	1.1439	<0.0001
UBE2S	0.886	1.144	<0.0001
DCTN2	0.916	1.1446	<0.0001
TYMS	0.91	1.1457	<0.0001
FAM111B	0.928	1.1495	<0.0001
RFXANK	0.934	1.1507	<0.0001
CCNF	0.908	1.1511	<0.0001
C8orf76	0.935	1.1528	<0.0001
EFNA4	0.923	1.156	<0.0001
POGK	0.82	1.1571	<0.0001
LSM4	0.825	1.1572	<0.0001
NUP205	0.919	1.1576	<0.0001
RFC3	0.929	1.1608	<0.0001
TTC13	0.927	1.161	<0.0001
LOC341056	0.446	1.1622	<0.0001
LAGE3	0.929	1.1632	<0.0001
SLC39A1	0.875	1.1637	<0.0001
DUSP12	0.888	1.1645	<0.0001
SNRPE	0.948	1.1649	<0.0001
DTYMK	0.947	1.166	<0.0001
DSN1	0.879	1.1666	<0.0001
NUP155	0.942	1.1668	<0.0001
XPO5	0.842	1.1674	<0.0001
MCM8	0.955	1.1679	<0.0001
PIGU	0.921	1.1682	<0.0001

TBC1D16	0.88	1.1686	<0.0001
FANCG	0.843	1.1691	<0.0001
FAM72C	0.885	1.1691	<0.0001
PSMD2	0.893	1.1692	<0.0001
PCNA	0.927	1.1702	<0.0001
RCN2	0.916	1.1707	<0.0001
CASC3	0.919	1.1708	<0.0001
CDKN2B-AS1	0.961	1.1713	0.0005
CSE1L	0.94	1.1726	<0.0001
TRAIP	0.928	1.1731	<0.0001
TMCO1	0.927	1.1736	<0.0001
NCAPH	0.945	1.1749	<0.0001
ZIC2	0.88	1.1756	<0.0001
PPOX	0.906	1.1756	<0.0001
NABP2	0.875	1.176	<0.0001
C15orf41	0.912	1.1763	<0.0001
BCL9	0.895	1.1773	<0.0001
CKS1B	0.923	1.1774	<0.0001
ROBO1	0.908	1.1781	<0.0001
INTS8	0.891	1.1824	<0.0001
E2F7	0.89	1.1828	<0.0001
CDKN2A	0.922	1.1829	<0.0001
ASF1B	0.925	1.1831	<0.0001
TAF6	0.93	1.1834	<0.0001
SPRTN	0.698	1.1856	<0.0001
ATP6V1F	0.917	1.1856	<0.0001
CCT6A	0.926	1.1856	<0.0001
NCAPD2	0.858	1.1859	<0.0001
UBE2Q1	0.907	1.1859	<0.0001
TP53I3	0.857	1.186	<0.0001
DEPDC1	0.939	1.1861	<0.0001
MSTO1	0.938	1.1869	<0.0001
AATF	0.906	1.1874	<0.0001

HELLS	0.93	1.1874	<0.0001
POLR2K	0.914	1.1881	<0.0001
MED20	0.863	1.189	<0.0001
P4HA2	0.911	1.1897	<0.0001
PRIM1	0.926	1.1897	<0.0001
PLK1	0.944	1.1898	<0.0001
PRIM2	0.95	1.1898	<0.0001
NECAB3	0.786	1.1919	<0.0001
AP3B1	0.931	1.1947	<0.0001
C5orf34	0.945	1.1968	<0.0001
DDIAS	0.661	1.197	<0.0001
BAALC-AS1	0	1.1971	<0.0001
MCM5	0.927	1.1972	<0.0001
ARPC1A	0.876	1.1974	<0.0001
ALG1L9P	0.837	1.2012	0.0002
TDRKH	0.919	1.2022	<0.0001
IGF2BP3	0.834	1.2033	<0.0001
SNRPB	0.933	1.2035	<0.0001
ORC1	0.888	1.2042	<0.0001
KNTC1	0.866	1.2043	<0.0001
UBD	0.916	1.2046	<0.0001
TKT	0.791	1.2059	<0.0001
LIN9	0.933	1.2076	<0.0001
POLQ	0.9	1.2083	<0.0001
CENPI	0.95	1.2094	<0.0001
PSME3	0.931	1.2103	<0.0001
EIF2D	0.899	1.211	<0.0001
USP39	0.905	1.2112	<0.0001
PSMG3	0.87	1.2131	<0.0001
ATP6V1C1	0.914	1.2149	<0.0001
GTSE1	0.89	1.215	<0.0001
SKA2P1	0	1.2152	<0.0001
GOLPH3L	0.893	1.2164	<0.0001

CENPK	0.883	1.2165	<0.0001
BCAP31	0.88	1.2174	<0.0001
ARHGAP11B	0.905	1.2196	<0.0001
HSPB1P1	0.864	1.22	0.0192
C8orf33	0.923	1.2218	<0.0001
C1orf112	0.828	1.2223	<0.0001
KLHL12	0.943	1.2233	<0.0001
GRPEL2	0.878	1.2247	<0.0001
EFTUD2	0.914	1.2259	<0.0001
CHEK1	0.876	1.2268	<0.0001
PRKDC	0.928	1.2284	<0.0001
TLCD1	0.824	1.2286	<0.0001
CCNE2	0.908	1.2286	<0.0001
FAM20B	0.917	1.2317	<0.0001
IRAK1	0.904	1.2343	<0.0001
THY1	0.917	1.2359	<0.0001
GPAA1	0.869	1.2366	<0.0001
CRSP8P	0.563	1.2388	0.0062
MKLN1-AS	0.801	1.2406	0.0144
PPIAL4F	0.852	1.2406	0.0253
RFX5	0.928	1.241	<0.0001
SPINK1	0.877	1.2436	<0.0001
TICRR	0.948	1.2448	<0.0001
NME1	0.932	1.2456	<0.0001
RNU6-481P	0.902	1.247	0.0018
KIF15	0.898	1.2474	<0.0001
CENPA	0.956	1.2479	<0.0001
CKAP2	0.946	1.251	<0.0001
MEMO1P1	0.786	1.252	<0.0001
MEA1	0.938	1.252	<0.0001
UFC1	0.911	1.2532	<0.0001
CSTF2	0.867	1.2566	<0.0001
STIP1	0.89	1.2577	<0.0001

CDC6	0.927	1.2609	<0.0001
LAMC1	0.895	1.263	<0.0001
SAC3D1	0.932	1.2641	<0.0001
SNRPC	0.948	1.2659	<0.0001
MTFR2	0.875	1.2681	<0.0001
TACC3	0.886	1.2713	<0.0001
KIF18A	0.934	1.273	<0.0001
SMC4	0.94	1.2738	<0.0001
ATP2A1-AS1	0	1.2746	<0.0001
CENPL	0.936	1.2749	<0.0001
COG2	0.902	1.2794	<0.0001
HSPB1	0.878	1.281	<0.0001
CRNDE	0.621	1.2813	<0.0001
RRM1	0.915	1.2854	<0.0001
DARS2	0.902	1.2858	<0.0001
ACBD6	0.873	1.2884	<0.0001
NELFE	0.918	1.2907	<0.0001
SF3B4	0.917	1.2915	<0.0001
CENPM	0.93	1.2921	<0.0001
ATP6AP1	0.896	1.2935	<0.0001
CDCA2	0.886	1.2971	<0.0001
UQCC2	0.94	1.2986	<0.0001
RAD51AP1	0.899	1.2996	<0.0001
KNSTRN	0.772	1.3036	<0.0001
CDKN2C	0.953	1.3089	<0.0001
MIR7111	0.285	1.3104	<0.0001
TK1	0.895	1.3121	<0.0001
HSP90AB1	0.904	1.314	<0.0001
CNIH4	0.933	1.3143	<0.0001
TROAP	0.916	1.3152	<0.0001
SPC24	0.95	1.3162	<0.0001
GNPAT	0.891	1.3173	<0.0001
CCDC34	0.935	1.3177	<0.0001

AKR1C3	0.883	1.3185	<0.0001
ARHGEF39	0.809	1.3225	<0.0001
SLC25A39	0.891	1.3237	<0.0001
PYGO2	0.911	1.3276	<0.0001
FAM72D	0.884	1.3278	<0.0001
RHNO1	0.934	1.3288	<0.0001
LGTN	0.887	1.3306	<0.0001
SNX25P1	0.509	1.331	<0.0001
SMYD3	0.82	1.3313	<0.0001
MRPL9	0.931	1.3315	<0.0001
MCM7	0.91	1.3323	<0.0001
UBR5-AS1	0	1.3327	<0.0001
CHAF1A	0.878	1.3332	<0.0001
CENPE	0.916	1.3332	<0.0001
E2F8	0.935	1.3336	<0.0001
PLOD3	0.895	1.3351	<0.0001
GMPS	0.921	1.3352	<0.0001
GPSM2	0.914	1.3382	<0.0001
FLAD1	0.913	1.3464	<0.0001
TARBP1	0.89	1.3484	<0.0001
LINC01607	0.041	1.3526	<0.0001
KRTCAP2	0.962	1.3528	<0.0001
SNX27	0.911	1.353	<0.0001
NCAPG2	0.914	1.3541	<0.0001
TUBG1	0.921	1.3554	<0.0001
CMSS1	0.696	1.3558	<0.0001
ATAD2	0.888	1.356	<0.0001
OIP5	0.912	1.3562	<0.0001
MCM4	0.912	1.3569	<0.0001
NR2C2AP	0.929	1.3578	<0.0001
SPC25	0.943	1.359	<0.0001
SQLE	0.915	1.3593	<0.0001
SPDL1	0.908	1.3605	<0.0001

SKA1	0.921	1.3611	<0.0001
ACLY	0.932	1.3663	<0.0001
NUP37	0.925	1.3674	<0.0001
CTSA	0.904	1.3689	<0.0001
SCNM1	0.93	1.3716	<0.0001
PIGC	0.946	1.3718	<0.0001
CDH13	0.934	1.3727	<0.0001
TOB2P1	0.718	1.3743	<0.0001
SETDB1	0.872	1.3747	<0.0001
SSR2	0.923	1.3758	<0.0001
DAP3	0.932	1.3786	<0.0001
MDK	0.948	1.379	<0.0001
ZNF529-AS1	0.371	1.3793	<0.0001
FEN1	0.927	1.3798	<0.0001
EXO1	0.931	1.3799	<0.0001
PSMD4	0.957	1.3799	<0.0001
FANCI	0.894	1.3808	<0.0001
CENPU	0.885	1.3824	<0.0001
DSCC1	0.896	1.3824	<0.0001
PRCC	0.937	1.3826	<0.0001
EPRS	0.924	1.3843	<0.0001
KIF2C	0.911	1.3854	<0.0001
STMN1	0.951	1.3865	<0.0001
UBAP2L	0.897	1.3887	<0.0001
NEU1	0.94	1.3916	<0.0001
PEA15	0.917	1.3929	<0.0001
FAM189B	0.883	1.3931	<0.0001
VPS45	0.887	1.3938	<0.0001
MAD2L1	0.92	1.4013	<0.0001
CDCA3	0.903	1.4026	<0.0001
TBCE	0.929	1.4032	<0.0001
ENAH	0.94	1.4058	<0.0001
FALEC	0.777	1.4089	0.0353

SPATS2	0.926	1.4177	<0.0001
MCM2	0.899	1.4189	<0.0001
ITGA6	0.954	1.4201	<0.0001
PARPBP	0.936	1.4232	<0.0001
AURKB	0.87	1.4239	<0.0001
MND1	0.933	1.4248	<0.0001
GINS1	0.969	1.4293	<0.0001
KIFC1	0.942	1.435	<0.0001
MCM6	0.91	1.4425	<0.0001
TRIP13	0.897	1.447	<0.0001
SKA3	0.924	1.4471	<0.0001
PSMB4	0.928	1.4477	<0.0001
COL15A1	0.884	1.4496	<0.0001
IQGAP3	0.965	1.4502	<0.0001
KIF11	0.936	1.4515	<0.0001
STIL	0.89	1.4524	<0.0001
SLC26A6	0.979	1.4538	<0.0001
CEP55	0.902	1.4555	<0.0001
CDC45	0.892	1.4574	<0.0001
MCM3	0.931	1.4595	<0.0001
CD34	0.954	1.4598	<0.0001
KPNA2	0.93	1.4658	<0.0001
CDC25C	0.942	1.4665	<0.0001
RPL37P6	0.228	1.467	<0.0001
COA6	0.955	1.47	<0.0001
NAXE	0.935	1.4757	0.017
PTMAP4	0.956	1.4762	0.0148
TMEM106C	0.889	1.4768	<0.0001
RNASEH2A	0.913	1.4789	<0.0001
SAE1	0.896	1.479	<0.0001
GMNN	0.933	1.4813	<0.0001
KIF23	0.945	1.4824	<0.0001
WASHC5	0.87	1.485	0.0013

GBA	0.945	1.5003	<0.0001
EZH2	0.935	1.5008	<0.0001
CENPW	0.885	1.5087	<0.0001
SCAMP3	0.944	1.5139	<0.0001
ILF2	0.909	1.5141	<0.0001
ESM1	0.932	1.5182	<0.0001
NUF2	0.946	1.5258	<0.0001
FLVCR1	0.931	1.5295	<0.0001
DUXAP8	0.835	1.5341	0.0084
ECT2	0.905	1.5385	<0.0001
MSH2	0.937	1.5444	<0.0001
CKAP2L	0.892	1.5445	<0.0001
RFC4	0.936	1.5452	<0.0001
VPS72	0.936	1.5475	<0.0001
BUB1B	0.946	1.5591	<0.0001
MKI67	0.913	1.5617	<0.0001
FOXM1	0.934	1.5623	<0.0001
ZWINT	0.94	1.5658	<0.0001
NSMCE2	0.927	1.5798	<0.0001
KIF14	0.914	1.5883	<0.0001
SUCO	0.832	1.5919	<0.0001
UCK2	0.9	1.5945	<0.0001
CDCA5	0.936	1.5957	<0.0001
BIRC5	0.941	1.6	<0.0001
NCAPG	0.924	1.6105	<0.0001
FAM83D	0.896	1.6136	<0.0001
BUB1	0.925	1.6155	<0.0001
CDC20	0.914	1.6168	<0.0001
TTK	0.927	1.6174	<0.0001
GPC3	0.878	1.6219	<0.0001
FAM220A	0.892	1.623	<0.0001
CCT3	0.945	1.6271	<0.0001
RRM2	0.927	1.6284	<0.0001

DTL	0.935	1.6299	<0.0001
DLGAP5	0.908	1.6368	<0.0001
TPX2	0.889	1.6401	<0.0001
KIF4A	0.928	1.6493	<0.0001
CCNA2	0.891	1.6503	<0.0001
SGO2	0.932	1.6569	0.0218
AURKA	0.934	1.6604	<0.0001
CDCA8	0.942	1.662	<0.0001
HMMR	0.933	1.667	<0.0001
HJURP	0.874	1.6683	<0.0001
MTX1P1	0.863	1.6788	0.0041
NDC80	0.934	1.6865	<0.0001
NUSAP1	0.938	1.6945	<0.0001
PBK	0.923	1.6962	<0.0001
UBE2C	0.95	1.7169	<0.0001
NEK2	0.938	1.7416	<0.0001
MELK	0.936	1.7589	<0.0001
ANLN	0.927	1.7832	<0.0001
PLVAP	0.945	1.7945	<0.0001
RACGAP1	0.955	1.805	<0.0001
CDK1	0.906	1.8241	<0.0001
CCNB1	0.928	1.8349	<0.0001
PCLAF	0.824	1.8417	<0.0001
KIF20A	0.928	1.8775	<0.0001
CDKN3	0.937	1.8807	<0.0001
CAP2	0.934	1.8825	<0.0001
CCNB2	0.918	1.8997	<0.0001
CENPF	0.929	1.9091	<0.0001
UBE2T	0.931	1.9725	<0.0001
PTTG1	0.941	1.9949	<0.0001
ASPM	0.928	1.9955	<0.0001
TOP2A	0.934	2.0243	<0.0001
PRC1	0.936	2.0325	<0.0001

CLEC4G	0.958	-2.6249	<0.0001
CLEC1B	0.961	-2.5665	<0.0001
CLEC4M	0.972	-2.5216	<0.0001
STAB2	0.962	-2.4901	<0.0001
FCN3	0.958	-2.4891	<0.0001
FCN2	0.974	-2.4017	<0.0001
CXCL14	0.968	-2.3785	<0.0001
OIT3	0.959	-2.3652	<0.0001
COLEC10	0.938	-2.2931	<0.0001
CRHBP	0.952	-2.2919	<0.0001
LINC01093	0.757	-2.2136	<0.0001
VIPR1	0.96	-2.1945	<0.0001
ECM1	0.972	-2.1839	<0.0001
HHIP	0.943	-2.142	<0.0001
PTH1R	0.948	-2.1067	<0.0001
RSPO3	0.952	-2.0913	<0.0001
MARCO	0.966	-2.09	<0.0001
CFP	0.968	-2.0455	<0.0001
CCBE1	0.973	-2.0336	<0.0001
BMPER	0.974	-1.9623	<0.0001
DBH	0.96	-1.9587	<0.0001
HAND2-AS1	0.954	-1.9347	<0.0001
ANGPTL6	0.94	-1.9179	<0.0001
LYVE1	0.929	-1.8681	<0.0001
CYP1A2	0.939	-1.8667	<0.0001
PLAC8	0.954	-1.8197	<0.0001
DNASE1L3	0.961	-1.816	<0.0001
CXCL12	0.957	-1.8081	<0.0001
KBTBD11	0.891	-1.7878	<0.0001
HAMP	0.923	-1.7693	<0.0001
GPM6A	0.97	-1.7656	<0.0001
ADAMTS13	0.973	-1.7556	<0.0001
LIFR	0.965	-1.7517	<0.0001

CETP	0.961	-1.7459	<0.0001
LINC01612	0	-1.7322	<0.0001
AADAT	0.869	-1.7206	<0.0001
LRAT	0.923	-1.7192	<0.0001
CNDP1	0.917	-1.6744	<0.0001
CYP39A1	0.907	-1.6646	<0.0001
NAT2	0.964	-1.662	<0.0001
LCAT	0.954	-1.6477	<0.0001
MT1M	0.913	-1.647	<0.0001
GDF2	0.97	-1.64	<0.0001
ADRA1A	0.941	-1.6389	<0.0001
IGFALS	0.937	-1.6297	<0.0001
KBTBD11-OT1	0.084	-1.6237	<0.0001
RND3	0.949	-1.6147	<0.0001
TTC36	0.802	-1.6023	<0.0001
CHST4	0.928	-1.597	<0.0001
NPY1R	0.957	-1.5903	<0.0001
APOF	0.896	-1.5798	<0.0001
ANKRD55	0.934	-1.5796	<0.0001
SRPX	0.955	-1.5753	<0.0001
MT1F	0.948	-1.5672	<0.0001
NTF3	0.962	-1.5665	<0.0001
ESR1	0.963	-1.5643	<0.0001
CDHR2	0.898	-1.5633	<0.0001
MFSD2A	0.841	-1.5625	<0.0001
ASS1P2	0.329	-1.5543	<0.0001
SRD5A1P1	0.926	-1.5534	0.0085
SYT9	0.925	-1.5411	<0.0001
CPEB3	0.893	-1.5367	<0.0001
INMT	0.911	-1.5346	<0.0001
LILRB5	0.903	-1.5292	<0.0001
DPT	0.938	-1.5258	<0.0001
NDST3	0.915	-1.5249	<0.0001

TBXA2R	0.962	-1.5234	<0.0001
KCNN2	0.932	-1.5225	<0.0001
ITLN1	0.895	-1.5213	<0.0001
NXF3	0.939	-1.5191	<0.0001
CD5L	0.94	-1.5111	<0.0001
FAM180A	0.93	-1.5098	<0.0001
HHIP-AS1	0.955	-1.5059	<0.0001
C7	0.935	-1.4976	<0.0001
SLC25A47	0.805	-1.4921	<0.0001
EHD3	0.928	-1.4911	<0.0001
KAZN	0.914	-1.4891	<0.0001
TIMD4	0.9	-1.4863	<0.0001
STEAP4	0.923	-1.4852	<0.0001
MAN1C1	0.891	-1.4841	<0.0001
RCAN1	0.913	-1.4764	<0.0001
PAMR1	0.919	-1.4723	<0.0001
ASPA	0.902	-1.4708	<0.0001
DACH1	0.962	-1.4701	<0.0001
MT1CP	0.97	-1.4638	0.0037
DCN	0.871	-1.4637	<0.0001
DIRAS3	0.877	-1.4636	<0.0001
CYP26A1	0.897	-1.4603	<0.0001
MIR6891	0.464	-1.4569	<0.0001
IDO2	0.864	-1.4561	<0.0001
MT1H	0.937	-1.456	<0.0001
GNA14	0.944	-1.4506	<0.0001
NGFR	0.954	-1.4414	<0.0001
FOS	0.95	-1.4412	<0.0001
LPA	0.886	-1.4396	<0.0001
SFRP1	0.948	-1.4391	<0.0001
LRCOL1	0.352	-1.434	<0.0001
FENDRR	0.99	-1.4323	0.0408
KMO	0.927	-1.431	<0.0001

BCO2	0.949	-1.4301	<0.0001
STEAP3	0.855	-1.427	<0.0001
TUBE1	0.879	-1.4244	<0.0001
GPR182	0.972	-1.4223	<0.0001
MT1G	0.941	-1.4216	<0.0001
KDM8	0.881	-1.4195	<0.0001
GHR	0.867	-1.4174	<0.0001
GSTZ1	0.937	-1.4172	<0.0001
P3H2	0.674	-1.4153	<0.0001
MRO	0.896	-1.4123	<0.0001
ITGA9	0.94	-1.4095	<0.0001
TMEM26	0.943	-1.4077	<0.0001
C1QTNF1	0.869	-1.4067	<0.0001
CSRNP1	0.923	-1.406	<0.0001
CDH19	0.936	-1.4023	<0.0001
FAM99B	0.935	-1.4014	<0.0001
ADAMTSL2	0.868	-1.4005	<0.0001
LOC100509620	0.57	-1.3999	0.016
PLSCR4	0.891	-1.394	<0.0001
ASPG	0.943	-1.3919	<0.0001
HAO2	0.826	-1.3874	<0.0001
FREM2	0.895	-1.3872	<0.0001
ST6GAL2	0.928	-1.3871	<0.0001
MS4A4E	0.799	-1.387	<0.0001
CTSLP2	0.086	-1.3858	<0.0001
MT1X	0.943	-1.3858	<0.0001
CYP2B6	0.907	-1.3835	<0.0001
IGFBP3	0.923	-1.377	<0.0001
UROC1	0.876	-1.3769	<0.0001
GLS2	0.869	-1.3744	<0.0001
PDE2A	0.942	-1.3727	<0.0001
MT1JP	0.948	-1.3713	<0.0001
HGFAC	0.933	-1.3645	<0.0001

CD1D	0.931	-1.3614	<0.0001
HSD17B13	0.82	-1.3602	<0.0001
NCBP3	0.784	-1.3583	0.0119
ATOH8	0.887	-1.3577	<0.0001
BMP5	0.944	-1.3554	<0.0001
OLFML3	0.943	-1.3535	<0.0001
ETFDH	0.927	-1.3528	<0.0001
CDC37L1	0.93	-1.3451	<0.0001
MIR4291	0.601	-1.3415	0.0049
IGKV2-30	0.419	-1.3388	<0.0001
EGR1	0.942	-1.3384	<0.0001
SFRP5	0.899	-1.3373	<0.0001
GBA3	0.849	-1.3356	<0.0001
LHX2	0.941	-1.3285	<0.0001
PDE7B	0.94	-1.3269	<0.0001
ID1	0.949	-1.3254	<0.0001
ACAD11	0.962	-1.3251	<0.0001
ACSM3	0.927	-1.3246	<0.0001
PWRN1	0.813	-1.3239	<0.0001
PLGLA	0.945	-1.3196	0.0002
GADD45B	0.92	-1.3184	<0.0001
SOCS2	0.937	-1.3153	<0.0001
SNORD115-16	0	-1.3093	<0.0001
MYOM2	0.945	-1.309	<0.0001
DNM3OS	0.721	-1.3077	<0.0001
PVALB	0.949	-1.3068	<0.0001
KLKB1	0.934	-1.3058	<0.0001
ALDH8A1	0.845	-1.3051	<0.0001
IL18R1	0.936	-1.3036	<0.0001
ANGPTL1	0.93	-1.3035	<0.0001
KCNK17	0.931	-1.303	<0.0001
LRRN3	0.893	-1.3021	<0.0001
HAO2-IT1	0.733	-1.2996	<0.0001

ANXA10	0.862	-1.2993	<0.0001
FAM99A	0.938	-1.2991	<0.0001
C9	0.793	-1.2981	<0.0001
IDNK	0.868	-1.2969	<0.0001
RASGEF1B	0.906	-1.2966	<0.0001
LY6E	0.92	-1.2956	<0.0001
BMP10	0.97	-1.2919	<0.0001
MT1E	0.91	-1.2909	<0.0001
ZFP36	0.936	-1.288	<0.0001
GCH1	0.942	-1.288	<0.0001
GYS2	0.902	-1.2865	<0.0001
C3P1	0.838	-1.2861	<0.0001
DCUN1D3	0.921	-1.2831	<0.0001
HAND2	0.953	-1.2822	<0.0001
GLYATL1	0.936	-1.2801	<0.0001
NTN4	0.873	-1.2789	<0.0001
IGKV2D-29	0.904	-1.2764	0.001
C1RL	0.869	-1.276	<0.0001
ADGRA3	0.765	-1.2735	0.0003
HTR2A-AS1	0.909	-1.2714	0.0036
ND4L	0	-1.2714	<0.0001
COLEC11	0.927	-1.2713	<0.0001
RCL1	0.855	-1.271	<0.0001
NAAA	0.915	-1.2704	<0.0001
SLC5A1	0.91	-1.2701	<0.0001
ACADS	0.949	-1.2684	<0.0001
CXCL2	0.943	-1.2674	<0.0001
MT1L	0.933	-1.2656	<0.0001
FBP1	0.916	-1.2633	<0.0001
MASP1	0.937	-1.2631	<0.0001
SLC22A1	0.853	-1.2599	<0.0001
SYNE1	0.943	-1.2592	<0.0001
TCF21	0.947	-1.2583	<0.0001

IGKV1-12	0	-1.2557	<0.0001
IGKV2-28	0.844	-1.2551	0.0002
EDNRB	0.957	-1.2535	<0.0001
IGHV3-7	0.911	-1.2516	<0.0001
RNF165	0.91	-1.2513	<0.0001
MT2A	0.95	-1.2484	<0.0001
RBMS3	0.942	-1.2481	<0.0001
FOSB	0.937	-1.247	<0.0001
PBLD	0.778	-1.2467	<0.0001
N4BP2L1	0.871	-1.2461	<0.0001
GRAMD1C	0.869	-1.2458	<0.0001
KRT18P4	0.464	-1.2426	<0.0001
ATP8	0	-1.2421	<0.0001
AZGP1P1	0.937	-1.2396	<0.0001
JCHAIN	0.803	-1.2395	0.0019
CYP4A22	0.862	-1.2394	<0.0001
SHBG	0.945	-1.2377	<0.0001
COL6A6	0.896	-1.2372	<0.0001
PLGLB1	0.901	-1.2362	<0.0001
PDGFRA	0.89	-1.2358	<0.0001
RDH16	0.812	-1.235	<0.0001
LINC01620	0.872	-1.2343	0.0406
IGHV2-5	0.701	-1.233	<0.0001
RPL5P30	0.739	-1.2319	0.0011
CLRN3	0.821	-1.2289	<0.0001
SLCO1B3	0.866	-1.2277	<0.0001
PROZ	0.882	-1.2268	<0.0001
IGHV3-49	0.926	-1.2255	0.0027
TMEM82	0.829	-1.2255	<0.0001
SLITRK6	0.935	-1.2252	<0.0001
SRD5A2	0.942	-1.222	<0.0001
TEK	0.961	-1.2218	<0.0001
SNORD115-10	0	-1.2215	<0.0001

MPC1	0.756	-1.2212	<0.0001
ZG16	0.899	-1.2205	<0.0001
STARD5	0.879	-1.2184	<0.0001
CIDEB	0.845	-1.218	<0.0001
CYP4F35P	0.143	-1.2171	<0.0001
GNAO1	0.951	-1.2143	<0.0001
LOC100130899	0.671	-1.2135	0.0011
KLRF1	0.754	-1.2111	<0.0001
SKAP1	0.93	-1.2095	<0.0001
GCDH	0.946	-1.2082	<0.0001
LPAL2	0.923	-1.208	<0.0001
GLYAT	0.83	-1.2063	<0.0001
CD4	0.924	-1.2055	<0.0001
GABARAPL1	0.872	-1.2052	<0.0001
IL1RAP	0.913	-1.2051	<0.0001
NDRG2	0.935	-1.2046	<0.0001
IGLV1-51	0.871	-1.2042	0.0096
MOGAT2	0.914	-1.2035	<0.0001
TDRD15	0.84	-1.2029	<0.0001
RN7SKP296	0.807	-1.2015	<0.0001
IGF1	0.921	-1.1981	<0.0001
ECRG4	0.506	-1.1953	0.0008
RANBP3L	0.897	-1.1953	<0.0001
MS4A6A	0.939	-1.1948	<0.0001
C14orf180	0.94	-1.1941	<0.0001
BDH2	0.926	-1.194	<0.0001
MFAP4	0.896	-1.192	<0.0001
CCDC3	0.884	-1.1909	<0.0001
GCGR	0.927	-1.1899	<0.0001
GCKR	0.92	-1.1895	<0.0001
INS-IGF2	0.956	-1.1892	<0.0001
SERPINA11	0.769	-1.1878	<0.0001
CYP2C8	0.75	-1.1872	<0.0001

FAM83F	0.916	-1.1863	<0.0001
DEPDC7	0.821	-1.1862	<0.0001
HBA2	0.882	-1.1861	<0.0001
RDH5	0.95	-1.1858	<0.0001
ALLC	0.902	-1.1842	<0.0001
C1orf162	0.828	-1.1831	<0.0001
HGF	0.954	-1.1828	<0.0001
TENM1	0.902	-1.1824	<0.0001
SLC22A10	0.757	-1.1819	<0.0001
CLDN10	0.931	-1.1819	<0.0001
SPATA18	0.896	-1.1807	<0.0001
PHACTR3	0.915	-1.1783	<0.0001
P2RY13	0.893	-1.176	<0.0001
RD3L	0.652	-1.1733	<0.0001
ADH4	0.789	-1.173	<0.0001
PLCXD3	0.841	-1.1713	<0.0001
SPATA6L	0.863	-1.171	<0.0001
SOCS2-AS1	0.903	-1.1706	<0.0001
CYP2C9	0.814	-1.1702	<0.0001
C8A	0.949	-1.1682	<0.0001
SLC19A3	0.811	-1.1675	<0.0001
PTPRB	0.935	-1.1669	<0.0001
ADRA1B	0.929	-1.1664	<0.0001
ADGRG7	0.847	-1.1651	0.0025
VMO1	0.872	-1.1648	<0.0001
THRSP	0.707	-1.1646	<0.0001
PRKAR2B	0.941	-1.1646	<0.0001
DBH-AS1	0.906	-1.1645	<0.0001
FCGR2B	0.894	-1.1643	<0.0001
FAHD2A	0.886	-1.163	<0.0001
MBL1P	0.929	-1.1627	<0.0001
ACAA1	0.95	-1.1623	<0.0001
RNF125	0.879	-1.1615	<0.0001

MST1P2	0.911	-1.1603	0.0003
FYN	0.946	-1.16	<0.0001
HOGA1	0.745	-1.1597	<0.0001
BCKDHB	0.83	-1.1595	<0.0001
SIGLEC1	0.869	-1.1577	<0.0001
PCK1	0.822	-1.1569	<0.0001
CPED1	0.854	-1.156	<0.0001
CNTN3	0.912	-1.1545	<0.0001
LARP1B	0.877	-1.1543	<0.0001
F11	0.905	-1.1527	<0.0001
CBR4	0.888	-1.1507	<0.0001
MIR503HG	0.842	-1.1492	0.0002
TPPP2	0.85	-1.1488	<0.0001
ANTXR2	0.855	-1.1488	<0.0001
SIGLEC7	0.861	-1.1485	<0.0001
AFM	0.921	-1.1484	<0.0001
FAM13A	0.898	-1.1483	<0.0001
SORL1	0.926	-1.1483	<0.0001
CAMK2B	0.907	-1.1475	<0.0001
IL33	0.892	-1.1458	<0.0001
ETS2	0.932	-1.1435	<0.0001
KCND3	0.903	-1.1431	<0.0001
HMGCLL1	0.898	-1.1417	<0.0001
NMRK1	0.851	-1.1414	<0.0001
MYO10	0.929	-1.1394	<0.0001
SPRY2	0.948	-1.1393	<0.0001
IGKV3-15	0.822	-1.1391	0.0071
PDZRN4	0.885	-1.1382	<0.0001
IGKV1-16	0.877	-1.1381	0.0267
ZGPAT	0.948	-1.138	<0.0001
C6	0.884	-1.1372	<0.0001
LINC02153	0.89	-1.1362	0.0137
NUTM2B-AS1	0.334	-1.1359	<0.0001

NNMT	0.921	-1.1358	<0.0001
MSRA	0.868	-1.1354	<0.0001
DHODH	0.911	-1.1347	<0.0001
MRPS36P4	0.749	-1.1334	0.0039
CYP2C19	0.945	-1.1326	<0.0001
ID2	0.933	-1.1311	<0.0001
IGLV1-36	0.814	-1.131	0.0064
ZFP1	0.841	-1.1298	<0.0001
FEZ1	0.941	-1.1291	<0.0001
ENO3	0.884	-1.129	<0.0001
LOC200772	0.548	-1.127	<0.0001
NUDT10	0.95	-1.127	<0.0001
WDR66	0.917	-1.1268	<0.0001
ALPL	0.902	-1.1258	<0.0001
CYP3A4	0.932	-1.1254	<0.0001
NAPSB	0.963	-1.1233	<0.0001
AZGP1P2	0	-1.1219	<0.0001
IGLV3-1	0.779	-1.1218	<0.0001
ZNF330	0.884	-1.1214	<0.0001
PACERR	0.446	-1.1205	<0.0001
SYTL5	0.93	-1.1204	<0.0001
PCDH9-AS2	0.245	-1.1192	<0.0001
C1R	0.928	-1.119	<0.0001
CD244	0.933	-1.1188	<0.0001
MTND4P20	0.756	-1.1166	0.0043
SPRYD4	0.865	-1.1165	<0.0001
IVD	0.928	-1.1163	<0.0001
ACSL1	0.903	-1.115	<0.0001
ASS1	0.955	-1.1145	<0.0001
AKR7A3	0.807	-1.1132	<0.0001
B4GALT1-AS1	0.616	-1.1128	0.0213
MT1A	0.931	-1.1111	<0.0001
AGXT2	0.827	-1.111	<0.0001

ABCA8	0.899	-1.1108	<0.0001
SIGLEC11	0.881	-1.1106	<0.0001
GGT5	0.82	-1.1099	<0.0001
CLEC3B	0.958	-1.1084	<0.0001
AKR1D1	0.905	-1.1072	<0.0001
EPHA2	0.939	-1.1072	<0.0001
GPD1	0.917	-1.1063	<0.0001
MIR3918	0.07	-1.1054	<0.0001
TFPI2	0.924	-1.1042	<0.0001
RBMXP2	0.418	-1.1041	<0.0001
EPHX2	0.927	-1.1036	<0.0001
TSLP	0.893	-1.1033	<0.0001
ACADL	0.915	-1.1029	<0.0001
IGHV3-15	0.869	-1.0991	0.0003
ANK3	0.906	-1.0943	<0.0001
CROCCP2	0.921	-1.093	<0.0001
F9	0.875	-1.0927	<0.0001
FOLH1B	0.841	-1.0924	<0.0001
IGKV2D-30	0.925	-1.0923	0.0216
SLC9B2	0.821	-1.0923	<0.0001
ST3GAL6	0.914	-1.0915	<0.0001
HBB	0.93	-1.091	<0.0001
IRF8	0.942	-1.0899	<0.0001
ALDH2	0.942	-1.0896	<0.0001
CD14	0.94	-1.0889	<0.0001
MIR22HG	0.832	-1.0888	<0.0001
MLYCD	0.873	-1.0888	<0.0001
MCC	0.956	-1.0867	<0.0001
SNORD115-40	0.702	-1.084	<0.0001
EFNB3	0.936	-1.0833	<0.0001
ADGRB3	0.876	-1.0824	0.0121
SMAD6	0.937	-1.0824	<0.0001
ADAMTS9-AS2	0.632	-1.0807	<0.0001

CSAD	0.895	-1.0804	<0.0001
CYP4V2	0.777	-1.0787	<0.0001
SNORD115-33	0.775	-1.0782	0.0005
AKR1C8P	0.784	-1.0782	0.0064
TDO2	0.744	-1.0772	<0.0001
PKHD1	0.829	-1.0772	<0.0001
RNF152	0.913	-1.0763	<0.0001
SVEP1	0.852	-1.076	<0.0001
CYP4A11	0.897	-1.075	<0.0001
ACADVL	0.945	-1.0731	<0.0001
FAM149A	0.849	-1.0717	<0.0001
IGLV7-43	0.896	-1.0716	0.0016
PXDC1	0.856	-1.0703	<0.0001
PHYHD1	0.835	-1.0689	<0.0001
HMGCL	0.909	-1.0687	<0.0001
CTH	0.914	-1.0687	<0.0001
GNE	0.931	-1.0674	<0.0001
PDLIM5	0.946	-1.0668	<0.0001
CYP3A43	0.877	-1.0667	<0.0001
TTC41P	0.468	-1.0652	<0.0001
ALDH6A1	0.921	-1.0652	<0.0001
CYP4F29P	0.819	-1.0637	0.0018
INTS10	0.904	-1.0636	<0.0001
CPT2	0.9	-1.0632	<0.0001
TCTEX1D1	0.844	-1.063	<0.0001
MT1HL1	0.789	-1.0616	<0.0001
SPP2	0.915	-1.0612	<0.0001
MT1IP	0.862	-1.0602	<0.0001
AXL	0.93	-1.0592	<0.0001
LDHD	0.836	-1.0583	<0.0001
COL25A1	0.946	-1.0575	<0.0001
ABCA9	0.856	-1.0573	<0.0001
FXN	0.938	-1.0571	<0.0001

SMPD3	0.924	-1.057	<0.0001
IL18RAP	0.853	-1.0569	<0.0001
MIR3185	0.267	-1.0566	<0.0001
IGLC6	0.491	-1.0563	<0.0001
SHPK	0.946	-1.0563	<0.0001
PNPLA7	0.906	-1.056	<0.0001
SNORD115-34	0.861	-1.0548	0.0073
FTCD	0.805	-1.0543	<0.0001
OR10J6P	0.949	-1.0541	0.0335
GNMT	0.85	-1.0532	<0.0001
SNORD115-31	0.814	-1.0518	0.002
NPHP3-ACAD11	0	-1.0517	<0.0001
CCL14	0.951	-1.0515	<0.0001
APOA5	0.806	-1.0512	<0.0001
HBA1	0.938	-1.051	<0.0001
GNG12-AS1	0.8	-1.0501	0.0001
PALM2	0.836	-1.05	<0.0001
PEMT	0.918	-1.0487	<0.0001
CCL23	0.949	-1.0462	<0.0001
IGKV1-27	0.813	-1.0452	0.0001
OGDHL	0.9	-1.044	<0.0001
SLC39A5	0.715	-1.0426	<0.0001
TSPAN9-IT1	0.908	-1.0421	0.0408
ACAA2	0.925	-1.0419	<0.0001
IGLV1-47	0.882	-1.0413	0.0423
FBXW11P1	0.821	-1.041	0.023
DSE	0.92	-1.0409	<0.0001
MAGI2-AS3	0.863	-1.0384	<0.0001
IGLV3-10	0.835	-1.038	0.0161
SNORD115-5	0	-1.0373	<0.0001
CYP2A7	0.865	-1.0364	<0.0001
FXVD1	0.942	-1.0362	<0.0001
IGHM	0.833	-1.035	<0.0001

GCNT1P3	0.844	-1.0343	0.0438
MT1DP	0.884	-1.034	<0.0001
GREM2	0.849	-1.0334	<0.0001
IGKV4-1	0.866	-1.0333	0.0013
COX10-AS1	0.979	-1.0323	0.0275
SNORD115-6	0	-1.0318	<0.0001
VSIG4	0.911	-1.0294	<0.0001
SNORD115-41	0.701	-1.0283	0.0001
SCARA5	0.882	-1.0282	<0.0001
PZP	0.918	-1.028	<0.0001
LINC00844	0.235	-1.0278	<0.0001
NDEL1	0.948	-1.0271	<0.0001
DMGDH	0.716	-1.0261	<0.0001
NAT1	0.897	-1.0258	<0.0001
SLC27A5	0.804	-1.0247	<0.0001
B3GAT1	0.853	-1.0246	<0.0001
ZFPM2	0.878	-1.0235	<0.0001
DUSP1	0.911	-1.0233	<0.0001
SLC38A2	0.903	-1.0224	<0.0001
F8	0.935	-1.0223	<0.0001
PANK1	0.8	-1.0213	<0.0001
XDH	0.901	-1.0211	<0.0001
KCNJ16	0.867	-1.021	<0.0001
P2RY12	0.906	-1.0209	<0.0001
FOXO1	0.938	-1.0188	<0.0001
DHRS1	0.851	-1.0177	<0.0001
IGHV1-3	0	-1.0174	<0.0001
MUC6	0.859	-1.0171	<0.0001
C8B	0.851	-1.0169	<0.0001
PITPNM3	0.945	-1.0159	<0.0001
C11orf96	0.811	-1.0156	<0.0001
ACACB	0.889	-1.0154	<0.0001
MT1P3	0.979	-1.0151	0.025

CYP8B1	0.618	-1.0151	<0.0001
RIDA	0	-1.0147	<0.0001
SLC16A4	0.885	-1.0147	<0.0001
GIMAP1-GIMAP5	0.44	-1.0129	<0.0001
MINDY3	0.828	-1.012	0.0059
KLHL2	0.882	-1.012	<0.0001
RAMP3	0.947	-1.0116	<0.0001
A2M-AS1	0.768	-1.0109	<0.0001
FERMT2	0.838	-1.0107	<0.0001
RIC3	0.928	-1.0095	<0.0001
MYCT1	0.921	-1.0093	<0.0001
MIR6892	0.447	-1.009	<0.0001
MFAP3L	0.901	-1.009	<0.0001
LINC00987	0.59	-1.0084	0.0162
ANKS1A	0.874	-1.0084	<0.0001
STAB1	0.925	-1.0062	<0.0001
ASPDH	0.827	-1.0061	<0.0001
PCDH9	0.92	-1.006	<0.0001
SULT1A2	0.817	-1.0056	<0.0001
IGHV3-33	0.798	-1.0045	0.0001
MBL2	0.893	-1.0036	<0.0001
SLC9A9	0.915	-1.0034	<0.0001
CYB5D2	0.869	-1.0027	<0.0001
AGTR1	0.877	-1.0026	<0.0001
CXCR2P1	0.573	-1.0025	<0.0001
RN7SL130P	0.92	-1.0022	0.0193
CD163	0.917	-1.0021	<0.0001
CFTR	0.898	-1.0015	<0.0001
IGHV4-59	0.903	-1.0004	0.0008
WDR72	0.832	-1.0004	<0.0001
LONP2	0.817	-1	<0.0001
DNAJC12	0.822	-0.9972	<0.0001
FAM163B	0.953	-0.9963	<0.0001

IGLV3-9	0.891	-0.9958	0.0026
SNX29P2	0.968	-0.9952	0.0014
CLEC12A	0.782	-0.9949	<0.0001
TAT	0.859	-0.9946	<0.0001
CYP2A6	0.907	-0.9945	<0.0001
CCL19	0.917	-0.9933	<0.0001
SARDH	0.847	-0.9932	<0.0001
BBOX1	0.868	-0.993	<0.0001
ECHS1	0.936	-0.9922	<0.0001
AOAH-IT1	0.753	-0.9918	0.0002
MMAA	0.759	-0.9911	<0.0001
MYD88	0.885	-0.9905	<0.0001
ECHDC2	0.912	-0.9905	<0.0001
MPPED1	0.88	-0.9904	<0.0001
WBP1L	0.828	-0.9896	<0.0001
CA2	0.923	-0.9894	<0.0001
SLC4A4	0.905	-0.989	<0.0001
PGA3	0.876	-0.9882	<0.0001
TAT-AS1	0.279	-0.9873	<0.0001
ERLIN1	0.931	-0.9872	<0.0001
RAB11FIP1P1	0.819	-0.987	0.0317
ADH1B	0.911	-0.9865	<0.0001
CNTN4	0.94	-0.9861	<0.0001
SLC41A2	0.812	-0.9848	<0.0001
MIR3180-5	0	-0.9836	<0.0001
IGKV3-20	0.857	-0.9828	<0.0001
ALDH1L1-AS1	0.326	-0.9811	<0.0001
IGHV3-72	0.728	-0.9809	<0.0001
PELI2	0.89	-0.9808	<0.0001
SDS	0.821	-0.9799	<0.0001
ARSD-AS1	0.647	-0.9798	0.0048
SLC7A2	0.935	-0.9796	<0.0001
FITM1	0.92	-0.9779	<0.0001

SNORD115-38	0.65	-0.9768	0.0003
CYP4F2	0.8	-0.9768	<0.0001
DPF3	0.934	-0.9766	<0.0001
SAA4	0.939	-0.9766	<0.0001
CD302	0.938	-0.976	<0.0001
IGHG4	0.828	-0.9758	<0.0001
ADK	0.915	-0.9757	<0.0001
TRPV4	0.868	-0.9755	<0.0001
ATP6	0.904	-0.9754	0.0043
MRC1	0.911	-0.9754	<0.0001
RNF150	0.788	-0.9753	<0.0001
SEC24B	0.92	-0.9753	<0.0001
ZCCHC24	0.867	-0.9751	<0.0001
UGT2B10	0.799	-0.9747	<0.0001
SUCLG2	0.797	-0.9744	<0.0001
CEP164P1	0.926	-0.9742	0.0391
GK-AS1	0.779	-0.9731	0.0001
VIPR1-AS1	0.93	-0.9722	0.0234
NR1I2	0.844	-0.9718	<0.0001
DTX1	0.826	-0.9712	<0.0001
ACSM5	0.822	-0.9701	<0.0001
NSUN6	0.858	-0.9698	<0.0001
ZSWIM6	0.84	-0.9693	<0.0001
SEMA6D	0.877	-0.9687	<0.0001
INPP5B	0.952	-0.9687	<0.0001
TMEM220	0.793	-0.9686	<0.0001
CDA	0.9	-0.968	<0.0001
CAT	0.927	-0.968	<0.0001
AGL	0.869	-0.9679	<0.0001
FNDC4	0.843	-0.9675	<0.0001
RPL23P2	0.651	-0.9665	0.0021
LOC400553	0.731	-0.9662	0.0016
HK3	0.913	-0.966	<0.0001

SULF2	0.845	-0.9658	<0.0001
MAT1A	0.934	-0.9648	<0.0001
IGKV2D-28	0.811	-0.9647	<0.0001
TLR4	0.905	-0.9647	<0.0001
BCHE	0.881	-0.9645	<0.0001
SRD5A1	0.907	-0.9643	<0.0001
IGHG2	0.917	-0.9641	0.0033
OGFR-AS1	0	-0.9623	<0.0001
SRSF8	0.771	-0.9622	<0.0001
CYP2J2	0.9	-0.9615	<0.0001
SNORD115-25	0.312	-0.9598	<0.0001
RBMS3-AS3	0.926	-0.9574	0.0003
SMIM24	0.917	-0.957	<0.0001
IGLC1	0.856	-0.9567	<0.0001
MICU3	0.934	-0.9564	<0.0001
MIR1233-1	0.113	-0.9561	<0.0001
PTGIS	0.928	-0.9561	<0.0001
MIR1538	0	-0.9546	<0.0001
AMDHD1	0.788	-0.954	<0.0001
PRAM1	0.913	-0.9535	<0.0001
SLC25A20	0.724	-0.953	<0.0001
FBLN5	0.906	-0.9529	<0.0001
IGHV5-51	0.802	-0.9528	0.0003
EPB41L4B	0.915	-0.9516	<0.0001
DDX19B	0.888	-0.9514	<0.0001
PTGS2	0.891	-0.9514	<0.0001
GOT2	0.894	-0.9512	<0.0001
PALM3	0.839	-0.9509	<0.0001
CRPP1	0.676	-0.95	0.0101
LINC00571	0.793	-0.9494	0.0003
FMO2	0.866	-0.9493	<0.0001
LINC01146	0.558	-0.9486	<0.0001
NR3C2	0.912	-0.948	<0.0001

LINC01507	0.74	-0.9479	0.0174
CFI	0.867	-0.9477	<0.0001
ABAT	0.897	-0.9472	<0.0001
SLC7A8	0.938	-0.9469	<0.0001
TMEM45A	0.792	-0.9468	<0.0001
RCBTB2	0.922	-0.946	<0.0001
FAT4	0.819	-0.9458	<0.0001
TMPRSS2	0.861	-0.9457	<0.0001
SNORD115-32	0.898	-0.9455	0.0016
ARHGAP10	0.902	-0.9452	<0.0001
SIGIRR	0.884	-0.9451	<0.0001
ADH1C	0.77	-0.9447	<0.0001
ETNPPL	0.764	-0.9441	<0.0001
LONRF1	0.907	-0.9441	<0.0001
BGN	0.924	-0.944	<0.0001
LOC101928505	0	-0.9437	<0.0001
IGHA2	0.18	-0.9432	<0.0001
SPRY4-IT1	0	-0.9424	<0.0001
TMEM71	0.848	-0.9423	<0.0001
ADH6	0.906	-0.9419	<0.0001
ADAMTS2	0.922	-0.9414	<0.0001
NIPAL1	0.668	-0.9409	<0.0001
CBFA2T3	0.952	-0.9403	<0.0001
PGLYRP2	0.898	-0.9386	<0.0001
DLC1	0.891	-0.9381	<0.0001
ADGRA1-AS1	0.215	-0.9379	<0.0001
MTHFD1	0.934	-0.9378	<0.0001
ADRA2B	0.966	-0.9377	<0.0001
IGLV3-27	0.864	-0.9374	0.0029
IL13RA2	0.922	-0.9374	<0.0001
TTC39B	0.796	-0.937	<0.0001
PLA2G5	0.904	-0.937	<0.0001
SH3BP5-AS1	0.938	-0.9365	0.0017

FLNB-AS1	0.85	-0.9364	0.0007
ARHGEF26	0.809	-0.9363	<0.0001
ITIH4	0.962	-0.9363	<0.0001
IGHV6-1	0.228	-0.9357	<0.0001
FXVD6	0.919	-0.9344	<0.0001
GPHN	0.778	-0.9342	<0.0001
ACADSB	0.86	-0.9338	<0.0001
BHMT	0.801	-0.9336	<0.0001
TMEM56	0.823	-0.9336	<0.0001
ACOT12	0.741	-0.9318	<0.0001
IGHV3-74	0.856	-0.9315	0.0002
LINC00261	0.734	-0.9314	<0.0001
PPP1R3B	0.806	-0.9313	<0.0001
CD300A	0.855	-0.9311	<0.0001
NFKBIZ	0.905	-0.9303	<0.0001
IL1RL1	0.919	-0.9303	<0.0001
SELP	0.945	-0.9301	<0.0001
AMHR2	0.942	-0.9297	<0.0001
LINC01128	0.966	-0.9295	0.0148
SULT1A1	0.901	-0.9293	<0.0001
SAMD11	0.882	-0.9281	<0.0001
JUNB	0.929	-0.9275	<0.0001
PRKAG2	0.84	-0.9273	<0.0001
GPR65	0.869	-0.9272	<0.0001
DCAF11	0.783	-0.927	<0.0001
HSD17B2	0.919	-0.927	<0.0001
ADAMTS9-AS1	0.172	-0.9266	<0.0001
SERPINA4	0.809	-0.9258	<0.0001
FANCC	0.941	-0.9255	<0.0001
KIF19	0.942	-0.9251	<0.0001
SLC46A3	0.781	-0.9249	<0.0001
PAIP2B	0.89	-0.9242	<0.0001
SLC25A37	0.934	-0.9239	<0.0001

SLC39A14	0.946	-0.9238	<0.0001
PER1	0.918	-0.9233	<0.0001
UGP2	0.864	-0.9231	<0.0001
CYP2E1	0.887	-0.9221	<0.0001
RN7SL12P	0.786	-0.9214	0.0008
CCL21	0.884	-0.9214	<0.0001
ARHGAP15	0.876	-0.9204	<0.0001
IGLV2-14	0.66	-0.9185	<0.0001
MST1	0.858	-0.9182	<0.0001
POLR1E	0.851	-0.9167	<0.0001
CHST7	0.825	-0.9161	<0.0001
PROM1	0.871	-0.9152	<0.0001
TNS2	0.911	-0.9148	0.0205
IGKV1D-33	0.843	-0.9145	0.0003
PLIN1	0.837	-0.9145	<0.0001
IGKV2D-24	0.887	-0.9141	0.001
LINC00598	0.952	-0.9128	0.0009
LRRC4C	0.851	-0.9126	<0.0001
DNAJC25	0.875	-0.9121	<0.0001
AQP3	0.928	-0.912	<0.0001
GIMAP8	0.909	-0.9111	<0.0001
ENG	0.928	-0.911	<0.0001
ZC2HC1C	0.755	-0.9102	<0.0001
AQP7	0.949	-0.9101	<0.0001
IGHV3-66	0.917	-0.9097	0.0215
MAP2K1	0.942	-0.909	<0.0001
SNORD115-24	0.796	-0.9084	0.0093
EXPH5	0.901	-0.9079	<0.0001
GPT2	0.837	-0.9078	<0.0001
SEN3-EIF4A1	0	-0.9073	0.0014
IGHV3-20	0.643	-0.9068	<0.0001
FRMD4B	0.918	-0.9068	<0.0001
CCDC25	0.808	-0.9065	<0.0001

DIO3OS	0.905	-0.9063	<0.0001
ZEB2	0.851	-0.9059	<0.0001
GOLGA8R	0.86	-0.9058	0.0024
SLC10A1	0.876	-0.9057	<0.0001
SNORD115-3	0.735	-0.9054	0.0013
EPB41L4A	0.897	-0.9054	<0.0001
TACSTD2	0.943	-0.9054	<0.0001
KLRB1	0.918	-0.9053	<0.0001
PPM1K	0.764	-0.9049	<0.0001
IYD	0.841	-0.9038	<0.0001
LINC00548	0.496	-0.9022	<0.0001
LDB2	0.921	-0.9021	<0.0001
MXRA5	0.918	-0.9003	<0.0001
NOSTRIN	0.91	-0.9	<0.0001
C11orf54	0.749	-0.8999	<0.0001
PEX11G	0.773	-0.8999	<0.0001
EXOC3L4	0.831	-0.899	<0.0001
PPFIBP1	0.839	-0.899	<0.0001
IGLV3-25	0.849	-0.8985	<0.0001
CRISPLD2	0.889	-0.8985	<0.0001
CD160	0.887	-0.8976	<0.0001
TRIM22	0.915	-0.8976	<0.0001
LTBP4	0.906	-0.8971	<0.0001
SNORD115-27	0.59	-0.8967	<0.0001
IGKV6-21	0.702	-0.8966	<0.0001
HAO1	0.699	-0.8963	<0.0001
RBM22P2	0.629	-0.8962	0.004
SIGLEC16	0.862	-0.8959	<0.0001
AVP11	0.804	-0.8949	<0.0001
LINC00907	0.972	-0.8948	0.0265
GLOD5	0.786	-0.8944	<0.0001
COMT	0.895	-0.8942	<0.0001
PHGDH	0.889	-0.8939	<0.0001

CR1	0.939	-0.8939	<0.0001
CLDN34	0.422	-0.8938	<0.0001
MAP2K3	0.927	-0.8937	<0.0001
FOXF1	0.94	-0.8934	<0.0001
TARID	0.078	-0.8933	<0.0001
MEIS3P2	0.598	-0.8931	<0.0001
MMRN1	0.926	-0.8921	<0.0001
ALDH1B1	0.931	-0.8906	<0.0001
ABCC9	0.883	-0.8905	<0.0001
TNXB	0.964	-0.8892	<0.0001
TMEM256	0.878	-0.8884	<0.0001
PCAT19	0.91	-0.8882	0.001
SLCO1B7	0.899	-0.888	<0.0001
SLC35D1	0.921	-0.8874	<0.0001
FPR1	0.933	-0.8874	<0.0001
ADGRL2	0.36	-0.8871	<0.0001
PLPP4	0.814	-0.8869	0.0128
PTGDR	0.915	-0.8869	<0.0001
SLC38A4	0.778	-0.8864	<0.0001
CTBS	0.913	-0.8863	<0.0001
MROH8	0.928	-0.8861	<0.0001
EOMES	0.789	-0.886	<0.0001
IGKV2-24	0.73	-0.8859	<0.0001
KLRD1	0.91	-0.8859	<0.0001
CLIC6	0.784	-0.8856	<0.0001
LOC101928858	0.543	-0.8853	0.0198
PSMA3-AS1	0.712	-0.8847	0.0027
SARAF	0.182	-0.8846	<0.0001
MASP2	0.743	-0.8846	<0.0001
MEIS3P1	0.833	-0.8843	<0.0001
RAB17	0.788	-0.8833	<0.0001
RBL2	0.917	-0.8828	<0.0001
STOM	0.88	-0.8827	<0.0001

PROS1	0.896	-0.8824	<0.0001
NUPR2	0.192	-0.8821	<0.0001
MTND5P1	0.804	-0.8818	0.0403
PSD4	0.935	-0.8818	<0.0001
LILRA5	0.922	-0.8817	<0.0001
TMEM154	0.798	-0.8809	<0.0001
ERRFI1	0.795	-0.8808	<0.0001
OLFM1	0.92	-0.8806	<0.0001
LECT2	0.816	-0.8802	<0.0001
LOC100132741	0.713	-0.8799	0.0184
TMEM47	0.89	-0.8798	<0.0001
CD69	0.899	-0.8794	<0.0001
CYP2C18	0.894	-0.8793	<0.0001
EVA1A	0.586	-0.8792	<0.0001
PGM1	0.897	-0.8781	<0.0001
AASS	0.821	-0.8772	<0.0001
IGHV3-23	0.858	-0.877	0.0024
ST8SIA6	0.884	-0.8768	<0.0001
PDXDC2P	0.954	-0.8761	0.0173
PRSS8	0.834	-0.8758	<0.0001
ADCY1	0.947	-0.8758	<0.0001
HAAO	0.921	-0.8755	<0.0001
CFAP69	0.861	-0.8747	0.0092
SATB1	0.929	-0.8744	<0.0001
DNALI1	0.9	-0.8743	<0.0001
MIR642B	0	-0.8737	<0.0001
FAM110C	0.791	-0.8734	<0.0001
PWAR1	0.455	-0.8733	<0.0001
AZGP1	0.905	-0.8731	<0.0001
NUGGC	0.191	-0.8723	<0.0001
HSD11B1	0.835	-0.8719	<0.0001
SPIC	0.834	-0.8715	<0.0001
SETP17	0.317	-0.8714	<0.0001

LINC01239	0	-0.8713	<0.0001
RNF180	0.826	-0.8706	<0.0001
ATP11C	0.765	-0.8705	<0.0001
LRRC4	0.953	-0.8702	<0.0001
IGLV7-46	0.711	-0.8701	<0.0001
UGT2B7	0.935	-0.8696	<0.0001
ADAMTS1	0.942	-0.8695	<0.0001
SLC2A9	0.802	-0.8686	<0.0001
RAB33B	0.853	-0.8685	<0.0001
SAMD5	0.863	-0.8683	<0.0001
SNORD115-15	0.81	-0.8681	0.0157
SAA2-SAA4	0.297	-0.8674	<0.0001
MTHFD2L	0.882	-0.867	<0.0001
A2M	0.906	-0.8667	<0.0001
CYFIP2	0.842	-0.8662	<0.0001
C21orf91	0.941	-0.8661	<0.0001
S100A12	0.903	-0.8656	<0.0001
HEPACAM	0.902	-0.8655	<0.0001
EIF4E3	0.839	-0.8651	<0.0001
JDP2	0.891	-0.8649	<0.0001
SNORD115-23	0	-0.8647	<0.0001
ADH1A	0.856	-0.8633	<0.0001
FAXDC2	0.81	-0.863	<0.0001
LRRK2	0.575	-0.8626	<0.0001
CLN8	0.931	-0.8626	<0.0001
NCOR1	0.873	-0.8625	<0.0001
FOLH1	0.945	-0.8625	<0.0001
GRHPR	0.928	-0.8619	<0.0001
SNORD115-44	0.946	-0.8618	0.0274
RBP1	0.857	-0.8618	<0.0001
SNORD115-1	0.91	-0.8614	0.0095
POU6F2-AS1	0.552	-0.8611	<0.0001
ACAT1	0.937	-0.8607	<0.0001

GRTP1-AS1	0.974	-0.8606	0.0278
PON3	0.89	-0.8585	<0.0001
EMILIN1	0.916	-0.8583	<0.0001
MYO1F	0.891	-0.8573	<0.0001
USP15	0.91	-0.8571	<0.0001
NRG1	0.786	-0.857	<0.0001
CLEC4GP1	0.885	-0.857	<0.0001
GABRP	0.891	-0.8569	<0.0001
MST1L	0.953	-0.856	0.0014
SLC23A2	0.927	-0.8551	<0.0001
TMEM56-RWDD3	0.331	-0.855	0.0065
GLP2R	0.954	-0.855	<0.0001
GAS1	0.907	-0.8549	<0.0001
MIR4698	0.592	-0.8548	0.0329
FCRL6	0.839	-0.8547	<0.0001
LOC157273	0.716	-0.8546	<0.0001
LINC01337	0.294	-0.8544	<0.0001
LTK	0.948	-0.8541	<0.0001
IGKV1D-16	0.839	-0.8539	0.0002
ABHD6	0.865	-0.8536	<0.0001
TREH	0.845	-0.8535	<0.0001
GK	0.911	-0.8532	<0.0001
LOC100506388	0.708	-0.8523	<0.0001
ECM2	0.913	-0.8518	<0.0001
PHLDB2	0.833	-0.8517	<0.0001
SORBS1	0.922	-0.8515	<0.0001
TSPYL5	0.936	-0.8515	<0.0001
ABI3BP	0.836	-0.8511	<0.0001
PRELP	0.918	-0.851	<0.0001
TMEM220-AS1	0	-0.8508	<0.0001
TMEM198B	0.93	-0.8499	0.0002
CILP	0.932	-0.8497	<0.0001
PHLDA1	0.946	-0.8497	<0.0001

SHMT1	0.899	-0.8496	<0.0001
HPS5	0.922	-0.8496	<0.0001
ADAMTSL3	0.795	-0.8493	<0.0001
TIAM1	0.938	-0.8491	<0.0001
IGLC2	0.745	-0.8485	0.0011
IGHV1-2	0.721	-0.8479	0.004
TMEM25	0.856	-0.8474	<0.0001
PIK3C2G	0.744	-0.8469	<0.0001
IGHV3-73	0.876	-0.8458	0.0012
RBM5-AS1	0.476	-0.8456	<0.0001
IL4R	0.937	-0.8451	<0.0001
CYP17A1-AS1	0.159	-0.845	<0.0001
IGHV3-48	0.8	-0.8448	<0.0001
LOC101927972	0	-0.8445	<0.0001
SLC13A5	0.674	-0.8443	<0.0001
CA5A	0.853	-0.8442	<0.0001
GADD45G	0.916	-0.8442	<0.0001
RGN	0.896	-0.8441	<0.0001
TMEM100	0.869	-0.8439	<0.0001
A1BG	0.915	-0.8433	<0.0001
ASL	0.929	-0.8425	<0.0001
IGHV3-13	0.87	-0.8421	0.0099
TMEM132E	0.91	-0.8421	<0.0001
IGKV3-11	0.877	-0.8418	0.006
RNA5SP356	0	-0.8416	<0.0001
AKR7L	0.899	-0.8415	<0.0001
IFITM10	0.92	-0.8412	<0.0001
HEPN1	0.909	-0.841	<0.0001
PLGLB2	0.818	-0.8408	<0.0001
RASSF5	0.796	-0.8403	<0.0001
IGKV3D-15	0.924	-0.8402	0.0321
OAT	0.894	-0.8402	<0.0001
LYRM1	0.78	-0.8401	<0.0001

DUSP6	0.918	-0.8397	<0.0001
PTGIR	0.938	-0.8396	<0.0001
DMD	0.906	-0.8391	<0.0001
SLC28A1	0.919	-0.8387	<0.0001
CFD	0.929	-0.8387	<0.0001
MME-AS1	0.809	-0.8386	0.0022
IER2	0.942	-0.8383	<0.0001
HDAC6	0.906	-0.8373	<0.0001
MTFR1L	0.804	-0.8372	<0.0001
GCSHP3	0.299	-0.8371	<0.0001
TGFBR3	0.891	-0.8371	<0.0001
GOT1	0.923	-0.8369	<0.0001
SLFNL1-AS1	0.964	-0.8368	0.024
QDPR	0.926	-0.8366	<0.0001
GPT	0.918	-0.8362	<0.0001
IGHA1	0.852	-0.8361	<0.0001
TAPT1	0.856	-0.8354	<0.0001
CYS1	0.928	-0.8352	<0.0001
PTPN13	0.924	-0.835	<0.0001
RNA5SP404	0.887	-0.8346	0.0046
GATA6-AS1	0.954	-0.8332	0.0232
ITIH4-AS1	0.763	-0.8331	0.0007
EIF5	0.943	-0.8331	<0.0001
ART4	0.867	-0.833	<0.0001
GPR83	0.661	-0.8325	<0.0001
SEC62	0.77	-0.8318	<0.0001
PSMD6-AS2	0.961	-0.8316	0.0158
HAL	0.877	-0.8316	<0.0001
KRTCAP3	0.819	-0.8306	<0.0001
SAT1	0.942	-0.8305	<0.0001
SLCO2B1	0.911	-0.8297	<0.0001
ABLIM3	0.916	-0.8295	<0.0001
LOC100128076	0.054	-0.8289	<0.0001

PTN	0.934	-0.8285	<0.0001
WFDC1	0.918	-0.8279	<0.0001
NPY5R	0.938	-0.8277	<0.0001
AIRN	0.452	-0.8275	<0.0001
IGLV3-21	0.904	-0.8274	0.0133
FAM229B	0.316	-0.8273	<0.0001
PDK4	0.836	-0.8271	<0.0001
CPB2-AS1	0.788	-0.8269	0.0017
GZMK	0.921	-0.8269	<0.0001
SNORD115-7	0.435	-0.8266	<0.0001
CAMK4	0.933	-0.8266	<0.0001
S100A8	0.925	-0.8265	<0.0001
TRPV6	0.925	-0.8263	<0.0001
ZDBF2	0.891	-0.8261	<0.0001
SCP2	0.862	-0.8253	<0.0001
DCXR	0.909	-0.8246	<0.0001
CES4A	0.84	-0.8243	<0.0001
SLC25A25	0.796	-0.8242	<0.0001
CHRD	0.919	-0.8239	<0.0001
FGF14-AS2	0.352	-0.8238	<0.0001
SLC6A12	0.912	-0.8237	<0.0001
SNORA28	0.869	-0.8232	<0.0001
TMIGD3	0.855	-0.8231	0.0487
GADD45A	0.92	-0.8226	<0.0001
SERPING1	0.928	-0.822	<0.0001
PCBP1-AS1	0.955	-0.8218	0.0116
IFT46	0.749	-0.8217	<0.0001
CHIC2	0.915	-0.8215	<0.0001
BASP1	0.918	-0.821	<0.0001
AMPD1	0.926	-0.8209	<0.0001
THBD	0.944	-0.8207	<0.0001
HPX	0.923	-0.8202	<0.0001
MTND5P11	0	-0.82	<0.0001

TMEM178A	0.752	-0.82	<0.0001
GGTLC3	0.424	-0.8199	<0.0001
TJP2	0.934	-0.8195	<0.0001
IGHV4-61	0.836	-0.8192	0.0064
TRGC2	0.793	-0.8192	0.0168
PRIMA1	0.906	-0.8189	<0.0001
PPARGC1A	0.749	-0.8187	<0.0001
STX11	0.853	-0.8183	<0.0001
C1QTNF7	0.824	-0.8182	<0.0001
NCAM1	0.942	-0.818	<0.0001
IGHV1-18	0.787	-0.8179	0.0011
NT5DC1	0.549	-0.8179	<0.0001
CDNF	0.884	-0.8179	<0.0001
KCNK6	0.805	-0.8177	<0.0001
RHOB	0.931	-0.8177	<0.0001
RMDN2	0.827	-0.8173	<0.0001
TM6SF2	0.854	-0.8156	<0.0001
APOL1	0.788	-0.8151	<0.0001
HCLS1	0.925	-0.8151	<0.0001
LILRB1	0.936	-0.815	<0.0001
LINC01869	0.718	-0.8141	0.0055
LINC00417	0	-0.8139	<0.0001
LAMC3	0.787	-0.8125	<0.0001
HS3ST3B1	0.892	-0.812	<0.0001
ID3	0.917	-0.8114	<0.0001
TLE4	0.898	-0.8112	<0.0001
N4BP2L2-IT2	0.969	-0.811	0.018
MIR3156-3	0	-0.8108	<0.0001
FBXO8	0.74	-0.8105	<0.0001
MTND6P21	0	-0.8103	<0.0001
VNN1	0.916	-0.8092	<0.0001
TTPAL	0.834	-0.8089	<0.0001
PINK1	0.892	-0.8089	<0.0001

IGHG3	0.918	-0.8088	0.0009
PROSER2-AS1	0.95	-0.8086	0.0065
CYP2C58P	0.366	-0.8072	<0.0001
TBX15	0.865	-0.8068	<0.0001
KLRK1	0.954	-0.8068	<0.0001
ENPEP	0.898	-0.8063	<0.0001
ITGB2-AS1	0.277	-0.8058	<0.0001
SLCO1B1	0.766	-0.8055	<0.0001
MBNL2	0.901	-0.8052	<0.0001
CD81	0.915	-0.8049	<0.0001
GPR146	0.904	-0.8046	<0.0001
SLC1A1	0.863	-0.8044	<0.0001
C9orf72	0.798	-0.8043	<0.0001
TRGV8	0	-0.8042	<0.0001
LRG1	0.709	-0.804	<0.0001
LOC441488	0.901	-0.8036	0.0328
ACSL5	0.771	-0.8036	<0.0001
CCDC71L	0.809	-0.8036	<0.0001
RXFP1	0.896	-0.8034	<0.0001
IGHV3-53	0.792	-0.8032	0.0025
LINC00885	0.692	-0.8031	<0.0001
DEFA3	0.873	-0.8028	<0.0001
CTSO	0.92	-0.8026	<0.0001
YPEL2	0.736	-0.8023	<0.0001
CXCR2	0.875	-0.8017	<0.0001
MIR1260A	0	-0.8013	<0.0001
PCBP2P1	0	-0.8012	<0.0001
CLYBL	0.823	-0.8011	<0.0001
LILRB2	0.895	-0.8008	<0.0001
RAB25	0.932	-0.8006	<0.0001
RAB20	0.773	-0.7998	<0.0001
PHYKPL	0.949	-0.7997	0.0015
C2-AS1	0.645	-0.7991	0.0496

ANXA8	0.879	-0.7985	<0.0001
TTY4B	0.886	-0.7974	0.0096
DHRS12	0.789	-0.7973	<0.0001
MPDZ	0.908	-0.797	<0.0001
CNGA1	0.906	-0.7957	<0.0001
IGKV1-9	0.705	-0.7956	0.0003
SLC6A13	0.949	-0.7956	<0.0001
MIR3180-2	0	-0.7953	<0.0001
SIGLEC9	0.931	-0.7952	<0.0001
GFRA1	0.731	-0.7949	<0.0001
SLC25A15	0.81	-0.7942	<0.0001
SAT2	0.727	-0.7937	<0.0001
CFHR3	0.771	-0.7937	<0.0001
CFL1P6	0	-0.7935	<0.0001
MIR3605	0	-0.7934	0.0016
CNTN4-AS1	0.419	-0.793	<0.0001
LILRA2	0.926	-0.7928	<0.0001
MRPL35P2	0	-0.7919	<0.0001
CYP2B7P	0.924	-0.7917	0.0002
IGHV3-11	0.877	-0.7912	0.01
NADK2	0.571	-0.7911	<0.0001
AR	0.928	-0.7904	<0.0001
SERPINA10	0.716	-0.7898	<0.0001
IGLV2-18	0.687	-0.7895	0.0002
ANG	0.885	-0.7894	<0.0001
LEAP2	0.664	-0.7893	<0.0001
KRT17P5	0.743	-0.7891	<0.0001
MOGAT1	0.892	-0.789	<0.0001
IGKV3-7	0.898	-0.7885	0.0448
MIR4524A	0.107	-0.7885	<0.0001
SNX29P1	0.744	-0.7885	<0.0001
ANGPTL3	0.594	-0.7883	<0.0001
HPD	0.853	-0.788	<0.0001

FGD2	0.82	-0.7878	<0.0001
ACADM	0.91	-0.7871	<0.0001
PDGFC	0.905	-0.7869	<0.0001
LAMA2	0.886	-0.7867	<0.0001
GSPT2	0.918	-0.7861	<0.0001
MGMT	0.934	-0.7861	<0.0001
KDM6B	0.884	-0.786	<0.0001
SH3YL1	0.923	-0.7859	<0.0001
PCOLCE	0.911	-0.7858	<0.0001
MCEE	0.812	-0.7854	<0.0001
MTND2P28	0.737	-0.7852	0.0303
CDH23	0.789	-0.7848	<0.0001
RARB	0.91	-0.7848	<0.0001
IKBKGP1	0	-0.7845	<0.0001
IL2RB	0.914	-0.7845	<0.0001
SPTBN2	0.935	-0.7842	<0.0001
PGM5	0.917	-0.7838	<0.0001
IGKV1-17	0.791	-0.7837	0.003
FPR2	0.784	-0.7836	<0.0001
SYNPO2	0.801	-0.7834	<0.0001
SLC25A27	0.885	-0.7834	<0.0001
STARD4-AS1	0.211	-0.7829	<0.0001
ENTPD8	0.756	-0.7828	<0.0001
LRRC3	0.901	-0.7826	<0.0001
LINC00659	0.973	-0.7823	0.0464
SLC16A2	0.919	-0.7823	<0.0001
CAPN3	0.958	-0.7822	<0.0001
ID2-AS1	0.7	-0.7819	0.0406
SERPINF2	0.883	-0.7819	<0.0001
TNFRSF10B	0.861	-0.7816	<0.0001
KCNJ15	0.845	-0.7809	<0.0001
FAH	0.854	-0.7808	<0.0001
STAT4	0.921	-0.7808	<0.0001

CTNNA3	0.824	-0.7804	<0.0001
CBSL	0.642	-0.78	0.0085
LOC100130345	0	-0.78	<0.0001
ND3	0.716	-0.7798	0.0021
GAS6-AS1	0.509	-0.7787	<0.0001
RASSF8-AS1	0.773	-0.7777	<0.0001
SMARCA2	0.898	-0.7777	<0.0001
SMOC1	0.745	-0.7776	<0.0001
RPH3AL	0.866	-0.7772	<0.0001
RAB6C-AS1	0.817	-0.7768	0.0362
ATP8B4	0.808	-0.7765	<0.0001
TRPV1	0.955	-0.776	<0.0001
GK-IT1	0.287	-0.7758	<0.0001
EHHADH	0.901	-0.7757	<0.0001
PIGV	0.796	-0.7753	<0.0001
ACF	0.521	-0.7752	0.0008
GPR180	0.712	-0.775	<0.0001
PTS	0.949	-0.7748	<0.0001
SLC27A2	0.882	-0.7747	<0.0001
SERPINB9	0.931	-0.7747	<0.0001
IGKV1-6	0.82	-0.7746	0.0065
RORA	0.915	-0.7746	<0.0001
IGLV10-54	0.693	-0.7742	0.0002
SNORD10	0.433	-0.7729	<0.0001
IGFBP4	0.94	-0.7724	<0.0001
GOLGA8O	0.884	-0.7722	0.0049
RNU1-75P	0.84	-0.7722	0.014
LOC728811	0.687	-0.7721	<0.0001
PDE8B	0.729	-0.7714	<0.0001
LINC00538	0.736	-0.7712	0.0066
TRIB1	0.937	-0.7709	<0.0001
PYROXD2	0.599	-0.7708	<0.0001
TDRP	0.9	-0.7706	<0.0001

ZADH2	0.894	-0.7702	<0.0001
RRN3P1	0.947	-0.77	0.0002
IGF2	0.905	-0.7699	<0.0001
CYGB	0.906	-0.7695	<0.0001
IGKV1D-43	0.913	-0.7694	0.0124
RPS12P20	0.389	-0.7693	<0.0001
PTPRVP	0.419	-0.7693	<0.0001
ACMSD	0.81	-0.7691	<0.0001
GNPNAT1	0.899	-0.7691	<0.0001
ATF5	0.852	-0.7688	<0.0001
CD226	0.911	-0.7688	<0.0001
TNFRSF10D	0.887	-0.7678	<0.0001
NIT2	0.775	-0.7676	<0.0001
LST1	0.95	-0.7676	<0.0001
ALAS1	0.93	-0.7665	<0.0001
PLIN5	0.895	-0.7661	<0.0001
PRG4	0.865	-0.766	<0.0001
PLA2R1	0.805	-0.7658	<0.0001
EGR2	0.922	-0.7657	<0.0001
CLEC9A	0.927	-0.7656	<0.0001
PRR5	0.929	-0.7651	<0.0001
CCDC18-AS1	0.438	-0.765	<0.0001
HEBP1	0.851	-0.765	<0.0001
ABCA6	0.742	-0.7644	<0.0001
EPHA3	0.887	-0.7644	<0.0001
SDC3	0.941	-0.7638	<0.0001
VSIG2	0.737	-0.7637	<0.0001
KLF7-IT1	0.184	-0.7635	<0.0001
PTGER2	0.864	-0.7635	<0.0001
APOA1	0.695	-0.7634	<0.0001
PABPC1P7	0	-0.7631	<0.0001
SLCO4C1	0.838	-0.7631	<0.0001
CST7	0.766	-0.763	<0.0001

LEPR	0.737	-0.7629	<0.0001
NDFIP2	0.826	-0.7624	<0.0001
RBP5	0.748	-0.7623	<0.0001
FGL2	0.94	-0.7623	<0.0001
IGHG1	0.967	-0.762	0.0006
PCK2	0.908	-0.762	<0.0001
CFHR4	0.92	-0.7614	<0.0001
CLEC10A	0.913	-0.7613	<0.0001
MIR514A1	0	-0.761	<0.0001
FCGRT	0.924	-0.7609	<0.0001
FAM83A-AS1	0.402	-0.7607	<0.0001
TXK	0.927	-0.7603	<0.0001
PPFIBP2	0.782	-0.7598	<0.0001
PRRG4	0.727	-0.7597	<0.0001
MAMDC2	0.872	-0.7594	<0.0001
LINC-PINT	0.919	-0.7588	0.0067
PCDH18	0.692	-0.7584	<0.0001
CRYL1	0.713	-0.7584	<0.0001
PRSS53	0.935	-0.7584	<0.0001
FAM9B	0.669	-0.7579	<0.0001
SYT10	0.916	-0.7576	<0.0001
LIMS4	0.346	-0.7574	<0.0001
IGKC	0.852	-0.7573	<0.0001
SPSB3	0.944	-0.7572	<0.0001
TMC3-AS1	0	-0.7566	<0.0001
GALNT16	0.846	-0.7566	<0.0001
SMAD9	0.876	-0.756	<0.0001
PODN	0.826	-0.7556	<0.0001
MPDU1	0.84	-0.7556	<0.0001
LOC100132686	0.761	-0.7554	<0.0001
TSPAN9	0.85	-0.7552	<0.0001
PON1	0.886	-0.7548	<0.0001
CDC14B	0.859	-0.7547	<0.0001

ESRP2	0.918	-0.7546	<0.0001
CYP4F3	0.918	-0.7544	<0.0001
SOX6	0.639	-0.7541	<0.0001
ALDOB	0.917	-0.754	<0.0001
GFOD2	0.884	-0.7538	<0.0001
CBS	0.89	-0.7538	<0.0001
CHP1	0.793	-0.7537	<0.0001
EPM2A	0.866	-0.7534	<0.0001
SUN2	0.769	-0.7533	<0.0001
CPN1	0.846	-0.7533	<0.0001
GIMAP5	0.947	-0.7533	<0.0001
FAAH2	0.67	-0.7531	<0.0001
SLC16A5	0.714	-0.7531	<0.0001
DAPK1	0.887	-0.7529	<0.0001
ARHGAP9	0.842	-0.7528	<0.0001
CPS1-IT1	0.802	-0.7524	<0.0001
ADGRA1	0.597	-0.752	0.0068
APOL6	0.867	-0.752	<0.0001
LOC100506688	0.399	-0.7519	<0.0001
GJB2	0.884	-0.7519	<0.0001
PLA2G12A	0.796	-0.7518	<0.0001
LRRC55	0.934	-0.7513	<0.0001
RNASE4	0.956	-0.7507	<0.0001
IGKV2D-26	0.928	-0.7502	0.033
GIPC2	0.721	-0.75	<0.0001
PDZRN3	0.798	-0.7497	<0.0001
BACH2	0.855	-0.7494	<0.0001
DUSP5	0.934	-0.7492	<0.0001
MIR650	0	-0.7491	<0.0001
RNA5SP46	0.811	-0.7489	0.0009
AKR7A2P1	0.739	-0.7489	<0.0001
LINC01277	0.428	-0.7488	<0.0001
IGLC7	0.734	-0.7477	0.0013

HECTD2-AS1	0	-0.7476	0.0401
RNA5SP191	0.816	-0.7473	0.0446
IGKV1D-39	0	-0.7473	<0.0001
ANXA3	0.922	-0.747	<0.0001
RGS18	0.828	-0.7469	<0.0001
PLCB2	0.92	-0.7458	<0.0001
MAP2K4	0.934	-0.7456	<0.0001
MIR4476	0.272	-0.7447	<0.0001
TANGO6	0.724	-0.7446	<0.0001
TEX26	0.779	-0.7445	<0.0001
LIME1	0.95	-0.7442	<0.0001
TSPAN12	0.649	-0.7437	<0.0001
SLC6A16	0.867	-0.743	<0.0001
RGL1	0.887	-0.7428	<0.0001
SERPINB8	0.927	-0.7425	<0.0001
F3	0.901	-0.7422	<0.0001
NR4A3	0.917	-0.7422	<0.0001
HS3ST3A1	0.83	-0.7421	<0.0001
TMC8	0.835	-0.7421	<0.0001
LIPC	0.819	-0.742	<0.0001
ASNSP3	0.683	-0.7402	0.0252
ARAP2	0.816	-0.7402	<0.0001
SLC37A4	0.892	-0.7398	<0.0001
BEND4	0.835	-0.7392	<0.0001
CP	0.896	-0.7384	<0.0001
EPHB1	0.915	-0.7383	<0.0001
PLG	0.897	-0.7381	<0.0001
TBC1D2B	0.899	-0.7381	<0.0001
KCNK5	0.875	-0.7374	<0.0001
LINC00926	0.924	-0.7372	0.0021
SNORD115-35	0.916	-0.737	0.0188
SPAG7	0.873	-0.7367	<0.0001
AQP7P3	0.753	-0.7356	0.0006

PRODH2	0.894	-0.7356	<0.0001
FETUB	0.881	-0.735	<0.0001
ZC3H13	0.922	-0.7349	<0.0001
HNRNPA1P22	0	-0.7348	<0.0001
ANGPTL4	0.877	-0.7346	<0.0001
PNP	0.705	-0.7345	<0.0001
SLC17A2	0.893	-0.7344	<0.0001
MIR214	0.919	-0.7343	0.0033
RPS20P22	0.692	-0.7339	0.0007
CYB5D1	0.94	-0.7339	<0.0001
CENPC	0.822	-0.7336	<0.0001
IL10RA	0.905	-0.7336	<0.0001
EDEM1	0.938	-0.7333	<0.0001
IGLV3-12	0.702	-0.7332	0.0005
MT1XP1	0.465	-0.7332	<0.0001
LILRA1	0.903	-0.7331	<0.0001
DHRS4-AS1	0.612	-0.7327	<0.0001
THBS1	0.932	-0.7327	<0.0001
IGHV3-21	0.815	-0.7325	0.0033
RPL7L1P3	0.475	-0.7325	<0.0001
IPCEF1	0.822	-0.7323	<0.0001
KLF2	0.863	-0.7322	<0.0001
NAALADL2	0.886	-0.7321	<0.0001
FAM13A-AS1	0.916	-0.732	0.0006
HADH	0.915	-0.732	<0.0001
IGKV1-8	0.893	-0.7315	0.0448
IL1B	0.9	-0.7315	<0.0001
IL7R	0.895	-0.7314	<0.0001
TCEAL7	0.695	-0.7313	<0.0001
MS4A7	0.932	-0.731	<0.0001
IGHV3-35	0.926	-0.7307	0.0365
IGHV3-43	0.723	-0.7301	<0.0001
PSD3	0.918	-0.7298	<0.0001

DLL1	0.836	-0.7296	<0.0001
SLC25A18	0.779	-0.729	<0.0001
SCARF1	0.933	-0.729	<0.0001
HSD17B6	0.802	-0.7289	<0.0001
MOB3C	0.835	-0.7289	<0.0001
SNORD116-5	0.43	-0.728	<0.0001
PPP2R2A	0.932	-0.7278	<0.0001
SNORD115-2	0.38	-0.7277	<0.0001
KLRG1	0.768	-0.7274	<0.0001
PLPP3	0.684	-0.7273	0.0087
C16orf96	0.639	-0.7272	<0.0001
ND5	0.84	-0.727	0.0101
TRBC1	0.963	-0.7263	0.0026
FAAH	0.922	-0.726	<0.0001
SNORA24	0.826	-0.7258	<0.0001
TCHH	0.873	-0.7258	<0.0001
ACBD4	0.908	-0.7258	<0.0001
NME5	0.898	-0.7256	<0.0001
MMP23A	0.344	-0.7255	<0.0001
SAMD3	0.622	-0.7253	<0.0001
CCL2	0.926	-0.7253	<0.0001
LINC00599	0.391	-0.725	<0.0001
FAM90A25P	0.644	-0.7244	0.0006
PEAR1	0.862	-0.724	<0.0001
TRANK1	0.598	-0.7235	<0.0001
GRM8	0.897	-0.7235	<0.0001
DLGAP1-AS3	0.345	-0.7234	<0.0001
OAF	0.86	-0.7233	<0.0001
SULT1E1	0.892	-0.7226	<0.0001
LUM	0.886	-0.7225	<0.0001
CCR1	0.944	-0.7223	<0.0001
NR4A1	0.925	-0.7222	<0.0001
CH25H	0.915	-0.7221	<0.0001

KLF11	0.826	-0.7219	<0.0001
CPN2	0.687	-0.7216	<0.0001
SLC31A2	0.929	-0.7212	<0.0001
RIPK4	0.833	-0.7208	<0.0001
SNORD115-17	0	-0.7207	<0.0001
GBP7	0.581	-0.7206	<0.0001
NLRC4	0.791	-0.7206	<0.0001
KLHL36	0.928	-0.7205	<0.0001
NR2F1	0.63	-0.7201	<0.0001
MIR3158-2	0	-0.7198	<0.0001
PIPOX	0.715	-0.7196	<0.0001
SPNS2	0.744	-0.7193	<0.0001
SYTL3	0.795	-0.7191	<0.0001
NT5CP2	0.228	-0.7188	<0.0001
SAMD4A	0.866	-0.7184	<0.0001
FHL1	0.914	-0.7182	<0.0001
FGB	0.806	-0.7178	<0.0001
OXT	0.884	-0.7173	<0.0001
ADNP-AS1	0	-0.7171	<0.0001
ASGR2	0.906	-0.7171	<0.0001
IGKV6D-21	0.765	-0.7168	0.0037
MIR3622A	0	-0.7167	<0.0001
PANO1	0	-0.7165	<0.0001
MYOT	0.848	-0.7164	<0.0001
AGXT	0.883	-0.7159	<0.0001
MIR3141	0.34	-0.7158	<0.0001
HOOK1	0.865	-0.715	<0.0001
ASPN	0.931	-0.7148	<0.0001
LOC100652967	0	-0.7147	0.0138
MTTP	0.736	-0.7146	<0.0001
CCNL1	0.906	-0.714	<0.0001
IRAK3	0.832	-0.7138	<0.0001
LINC00903	0	-0.7135	0.0106

CYP4F12	0.911	-0.7123	<0.0001
RPL7L1P9	0.601	-0.7122	0.0147
MEFV	0.925	-0.7117	<0.0001
GIMAP4	0.935	-0.7116	<0.0001
HERC5	0.771	-0.7114	<0.0001
SNORD115-28	0.842	-0.7113	0.0041
TSPAN7	0.913	-0.711	<0.0001
SLAIN1	0.848	-0.7109	<0.0001
DOCK8	0.877	-0.7109	<0.0001
RASGRP2	0.886	-0.7107	<0.0001
KLHL15	0.897	-0.7107	<0.0001
PRKCQ-AS1	0	-0.7106	<0.0001
LYPD2	0.826	-0.7104	<0.0001
ITGAD	0.923	-0.7104	<0.0001
CARMIL3	0.833	-0.7103	0.0412
MIR4769	0.37	-0.7101	<0.0001
ZNF385B	0.761	-0.7101	<0.0001
LOC729080	0.748	-0.7098	<0.0001
PDE11A	0.825	-0.7094	<0.0001
PROK2	0.882	-0.7084	<0.0001
KLK11	0.93	-0.7084	<0.0001
PPBP	0.927	-0.7082	<0.0001
LOC158434	0	-0.7079	<0.0001
CYP4F24P	0.725	-0.7078	0.0031
ASGR1	0.857	-0.7071	<0.0001
UBALD1	0.926	-0.707	0.0006
SMIM19	0.79	-0.7069	<0.0001
PRKCB	0.74	-0.7067	<0.0001
C4orf3	0.819	-0.7066	<0.0001
MT2P1	0	-0.7061	<0.0001
HYAL1	0.875	-0.7055	<0.0001
SCD5	0.914	-0.705	<0.0001
MT1B	0.939	-0.7049	<0.0001

ZNF462	0.707	-0.7047	<0.0001
ATP13A4	0.871	-0.7047	<0.0001
HMOX1	0.879	-0.7044	<0.0001
EPOR	0.951	-0.7044	<0.0001
IL6ST	0.939	-0.704	<0.0001
TINAGL1	0.859	-0.7038	<0.0001
CLUH	0.903	-0.7038	<0.0001
KCNA3	0.891	-0.703	<0.0001
RNF135	0.773	-0.7029	<0.0001
GLIDR	0.342	-0.7028	<0.0001
PCCA	0.907	-0.7028	<0.0001
C4orf19	0.752	-0.7027	<0.0001
BMP6	0.907	-0.7027	<0.0001
FBXO21	0.843	-0.7026	<0.0001
LIPG	0.854	-0.7025	<0.0001
PARVG	0.801	-0.7023	<0.0001
LOC101927811	0.372	-0.7022	<0.0001
HID1-AS1	0	-0.7021	<0.0001
AGPAT2	0.909	-0.7021	<0.0001
PYHIN1	0.593	-0.7019	<0.0001
LOC100506384	0	-0.7013	<0.0001
TGDS	0.705	-0.7012	<0.0001
FCN1	0.89	-0.7011	<0.0001
LOC100126447	0.069	-0.7001	0.011
ARMC6	0.866	-0.7	<0.0001
CMTM6	0.837	-0.6998	<0.0001
C21orf62	0.905	-0.6996	<0.0001
RPL7P14	0.314	-0.6995	<0.0001
AKAP7	0.928	-0.6995	<0.0001
DSEL	0.578	-0.6993	<0.0001
PLIN2	0.833	-0.6993	<0.0001
SOCS3	0.899	-0.6992	<0.0001
OXNAD1	0.735	-0.6987	<0.0001

SERTAD1	0.915	-0.6986	<0.0001
ZNF334	0.887	-0.6983	<0.0001
LCP2	0.914	-0.6982	<0.0001
CES5AP1	0.716	-0.6981	0.0007
IGKV1-37	0.552	-0.698	0.0001
MRGPRF	0.845	-0.698	<0.0001
GRAP	0.935	-0.6979	<0.0001
IGKV2-40	0.787	-0.6976	0.0108
GCSH	0.899	-0.6971	<0.0001
MYL3	0.936	-0.697	<0.0001
MAF	0.929	-0.6966	<0.0001
TRGV10	0.647	-0.6965	0.0003
NFAM1	0.897	-0.6965	<0.0001
CES5A	0.765	-0.6964	<0.0001
CAND2	0.846	-0.6964	<0.0001
PXMP2	0.926	-0.6962	<0.0001
STK40	0.863	-0.6957	<0.0001
TERF2IP	0.825	-0.6956	<0.0001
SCGB1B2P	0.064	-0.6954	<0.0001
SGCA	0.907	-0.695	<0.0001
ISOC1	0.771	-0.6947	<0.0001
LOC100506514	0	-0.6946	0.0145
APOC4	0.963	-0.6945	<0.0001
LINC01482	0	-0.6944	<0.0001
GRHL2	0.87	-0.6932	<0.0001
PLP1	0.932	-0.6931	<0.0001
ZMYND10-AS1	0.117	-0.693	<0.0001
FAS	0.872	-0.6927	<0.0001
LOC100240735	0.684	-0.6922	0.0021
USP38	0.852	-0.692	<0.0001
IFITM1	0.917	-0.692	<0.0001
PTPN3	0.953	-0.6918	<0.0001
GXYLT1P3	0	-0.6915	<0.0001

FARP2	0.932	-0.6915	<0.0001
ALDH4A1	0.928	-0.6912	<0.0001
PRR26	0.865	-0.6908	<0.0001
NRBF2	0.894	-0.6906	<0.0001
LINC01018	0.691	-0.6899	<0.0001
ARID3C	0.833	-0.6898	<0.0001
SLC22A7	0.799	-0.6897	<0.0001
IFNAR1	0.922	-0.6897	<0.0001
MTND1P23	0	-0.6894	<0.0001
LINC00939	0.954	-0.6893	0.011
GOLGA8Q	0.917	-0.6892	0.0364
NFIL3	0.94	-0.689	<0.0001
MIR877	0.696	-0.6889	<0.0001
TRPM8	0.92	-0.6888	<0.0001
PFKFB1	0.858	-0.6886	<0.0001
KCNJ8	0.85	-0.6884	<0.0001
TTC19	0.853	-0.6883	<0.0001
ENDOD1	0.853	-0.6873	<0.0001
ACOX1	0.899	-0.6873	<0.0001
CPS1	0.896	-0.6872	<0.0001
PBX1	0.897	-0.6866	<0.0001
PTPRD	0.856	-0.6863	<0.0001
FCGR3A	0.868	-0.6861	<0.0001
SLC17A1	0.819	-0.6857	<0.0001
TNFRSF1B	0.905	-0.6857	<0.0001
MIR324	0.811	-0.6849	<0.0001
SULT2A1	0.852	-0.6847	<0.0001
ZSWIM7	0.655	-0.6845	<0.0001
IGHV3-30	0.719	-0.6844	0.0023
IL17RC	0.913	-0.6842	<0.0001
FGD4	0.861	-0.6835	<0.0001
C11orf24	0.859	-0.6834	<0.0001
F12	0.865	-0.6834	<0.0001

RBMX2P1	0.425	-0.6831	<0.0001
IGLJ3	0.919	-0.6831	<0.0001
CFAP70	0.838	-0.6829	0.0313
FLJ46906	0.719	-0.6824	0.0005
LOC100128531	0.16	-0.6823	<0.0001
CBLN3	0.826	-0.6816	<0.0001
COQ9	0.809	-0.6815	<0.0001
LINC00683	0.317	-0.6813	<0.0001
TRGV9	0.412	-0.6813	<0.0001
PLIN4	0.918	-0.6812	<0.0001
PTPRS	0.859	-0.6811	<0.0001
MTUS2	0.917	-0.6811	<0.0001
MTMR9LP	0.839	-0.681	<0.0001
GMFG	0.933	-0.6808	<0.0001
AK3	0.771	-0.6807	<0.0001
ARG1	0.868	-0.6807	<0.0001
LPIN2	0.897	-0.6807	<0.0001
GVINP1	0.46	-0.6804	<0.0001
HPGD	0.798	-0.6804	<0.0001
LOC653513	0.726	-0.6802	0.0062
IGKV1D-12	0.851	-0.6802	0.0277
ATF3	0.922	-0.6801	<0.0001
ATG2A	0.858	-0.68	<0.0001
PCSK6	0.895	-0.6795	<0.0001
FUOM	0.562	-0.6792	<0.0001
MYZAP	0.525	-0.6787	<0.0001
FOXP2	0.807	-0.6787	<0.0001
CYTB	0.747	-0.6786	0.0109
CD82	0.85	-0.6783	<0.0001
TTR	0.875	-0.6779	<0.0001
NTRK3	0.903	-0.6772	<0.0001
IGK	0.893	-0.677	0.0184
FAM214A	0.801	-0.6768	<0.0001

KCNJ10	0.914	-0.6759	<0.0001
BCKDHA	0.961	-0.6759	<0.0001
BTF3P6	0.408	-0.6758	<0.0001
TAGAP	0.808	-0.6755	<0.0001
TRAM2	0.891	-0.6755	<0.0001
CYP1A1	0.889	-0.6752	<0.0001
VTCN1	0.798	-0.675	<0.0001
SOWAHB	0.646	-0.6748	<0.0001
UBXN8	0.652	-0.6746	<0.0001
NR1H4	0.912	-0.6746	<0.0001
C1S	0.905	-0.6742	<0.0001
MICU1	0.827	-0.674	<0.0001
NR4A2	0.885	-0.6739	<0.0001
TLR3	0.792	-0.6738	<0.0001
BLNK	0.919	-0.6737	<0.0001
IGLV4-60	0.74	-0.6734	0.0031
SMAD7	0.899	-0.6732	<0.0001
LOC147004	0.66	-0.6728	0.0411
LINC01166	0	-0.6727	<0.0001
RPL35AP32	0	-0.6716	<0.0001
NOL4	0.915	-0.6716	<0.0001
PAPSS2	0.919	-0.6716	<0.0001
SMIM14	0.735	-0.6714	<0.0001
NBPF13P	0.366	-0.6713	<0.0001
AMOTL2	0.916	-0.6711	<0.0001
GABARAPL3	0.891	-0.671	<0.0001
TMEM125	0.803	-0.6709	<0.0001
SLAMF6	0.727	-0.6707	<0.0001
FAM95B1	0.827	-0.6703	0.0003
LOC100505736	0	-0.6701	0.036
CCDC68	0.826	-0.6701	<0.0001
LPAR1	0.819	-0.67	<0.0001
AOX1	0.86	-0.6699	<0.0001

FNIP2	0.741	-0.6692	<0.0001
IGHV2-26	0.806	-0.669	0.0097
USP43	0.883	-0.669	<0.0001
AFF1	0.919	-0.6684	<0.0001
NKX3-1	0.894	-0.6679	<0.0001
PRICKLE1	0.851	-0.6676	<0.0001
GSTM5	0.903	-0.6676	<0.0001
GIMAP7	0.895	-0.6673	<0.0001
DLG2	0.908	-0.6671	<0.0001
FGR	0.928	-0.6671	<0.0001
FAM151A	0.689	-0.6666	<0.0001
EVI2B	0.896	-0.6664	<0.0001
EGR3	0.852	-0.6663	<0.0001
PUS10	0.888	-0.6663	<0.0001
HP	0.923	-0.6661	<0.0001
DUSP16	0.818	-0.6659	<0.0001
REEP6	0.549	-0.6657	<0.0001
TECTA	0.883	-0.6657	<0.0001
SC5D	0.785	-0.6654	<0.0001
FCGR3B	0.812	-0.6652	<0.0001
NKX2-2-AS1	0	-0.6649	0.0001
ANO1	0.659	-0.6648	<0.0001
NPC1L1	0.829	-0.6646	<0.0001
PAFAH2	0.849	-0.6645	<0.0001
HLF	0.898	-0.6642	<0.0001
PMPCA	0.934	-0.6639	<0.0001
SORBS3	0.941	-0.6639	<0.0001
ZNF160	0.895	-0.6638	<0.0001
NCKAP5	0.627	-0.6637	<0.0001
PLEKHA4	0.82	-0.6634	<0.0001
MIR1343	0.376	-0.6631	0.0001
NMUR1	0.891	-0.6631	<0.0001
CHST9	0.847	-0.663	<0.0001

RPS6P16	0.558	-0.6627	0.0185
ADI1	0.787	-0.6626	<0.0001
LOC100506682	0	-0.6625	0.0001
TARP	0.84	-0.6624	<0.0001
SLC24A4	0.796	-0.662	<0.0001
RAPH1	0.851	-0.662	<0.0001
ZNF831	0.682	-0.6616	<0.0001
GPR162	0.908	-0.6616	<0.0001
TSPYL1	0.832	-0.6613	<0.0001
OSTF1	0.92	-0.6613	<0.0001
SSC5D	0.807	-0.661	<0.0001
EMC6	0.971	-0.6607	0.0223
MTND6P4	0.583	-0.6606	0.0239
TAF9BP1	0	-0.6606	<0.0001
MRC2	0.887	-0.6605	<0.0001
PLCG2	0.887	-0.6605	<0.0001
SRGN	0.896	-0.6602	<0.0001
RBKS	0.709	-0.6592	<0.0001
IGLV4-69	0.745	-0.6591	0.0039
LOC100505588	0	-0.6588	0.0002
IGKV3D-20	0.823	-0.6588	0.0029
GOLGA8T	0.841	-0.6588	0.0243
MCCC1-AS1	0.834	-0.6585	0.0204
RFPL4AL1	0.559	-0.6585	<0.0001
BSDC1	0.846	-0.6585	<0.0001
SNED1	0.827	-0.6584	<0.0001
G6PC	0.826	-0.6582	<0.0001
FGG	0.9	-0.6582	<0.0001
ACOX2	0.864	-0.658	<0.0001
ARMCX3	0.759	-0.6579	<0.0001
GLOD4	0.799	-0.6579	<0.0001
CCL4L1	0.726	-0.6578	<0.0001
ZNF30-AS1	0	-0.6577	<0.0001

FGF23	0.825	-0.6575	<0.0001
CPNE8	0.812	-0.6573	<0.0001
SDR42E1	0.698	-0.6571	<0.0001
SIGLEC17P	0.801	-0.6571	<0.0001
PLEKHA2	0.849	-0.6568	<0.0001
PHYH	0.916	-0.6567	<0.0001
PDLIM2	0.881	-0.6565	<0.0001
PTPRC	0.882	-0.6565	<0.0001
ALDH5A1	0.911	-0.6564	<0.0001
HS1BP3-IT1	0.574	-0.6561	0.0002
MIR3650	0	-0.6559	0.0001
LOC729451	0.716	-0.6557	0.0027
THEMIS2	0.824	-0.6556	<0.0001
PRNP	0.915	-0.6555	<0.0001
SCN7A	0.936	-0.6555	<0.0001
REPS1	0.845	-0.6553	<0.0001
ANO1-AS1	0	-0.6551	<0.0001
SH2D1A	0.811	-0.655	<0.0001
SEPSECS	0.812	-0.6548	<0.0001
MUC3A	0.795	-0.6542	<0.0001
ADIRF	0.43	-0.6541	<0.0001
AOAH	0.928	-0.654	<0.0001
VNN3	0.736	-0.6539	<0.0001
MTHFD1P1	0	-0.6537	<0.0001
UNC13D	0.891	-0.6536	<0.0001
LINC00365	0.231	-0.6533	<0.0001
SH2D1B	0.816	-0.6532	<0.0001
DHRS4L1	0.164	-0.6531	<0.0001
ST6GALNAC6	0.885	-0.6529	<0.0001
SNX9	0.839	-0.6528	<0.0001
PDCD1LG2	0.897	-0.6528	<0.0001
GATA6	0.888	-0.6526	<0.0001
RNA5SP433	0.624	-0.6524	0.009

ZMYND12	0.735	-0.6524	<0.0001
SMCO3	0.886	-0.6519	<0.0001
IGLV5-45	0.601	-0.6513	0.0018
ADHFE1	0.881	-0.6512	<0.0001
NXN	0.79	-0.6511	<0.0001
SIGLEC10	0.72	-0.651	<0.0001
DBT	0.93	-0.6509	<0.0001
DHTKD1	0.825	-0.6508	<0.0001
KCNMA1	0.895	-0.6508	<0.0001
SULT1B1	0.868	-0.6505	<0.0001
IRF2BPL	0.791	-0.6504	<0.0001
ABHD2	0.908	-0.6497	<0.0001
MME	0.917	-0.6495	<0.0001
LINC00924	0.405	-0.6488	<0.0001
GABRB3	0.897	-0.6484	<0.0001
NPW	0.781	-0.648	<0.0001
IGFBP6	0.895	-0.6476	<0.0001
AJAP1	0.872	-0.6472	<0.0001
ADGRG6	0.718	-0.6469	0.0321
DACT1	0.799	-0.6469	<0.0001
NAP1L5	0.799	-0.6468	<0.0001
GLTPD2	0.821	-0.6467	<0.0001
SCIMP	0.866	-0.6465	<0.0001
CTPS1	0.443	-0.6463	<0.0001
GIMAP6	0.918	-0.646	<0.0001
MIR3156-2	0.442	-0.6459	0.0002
GMNC	0.896	-0.6458	0.0002
TMEM200C	0.773	-0.6458	<0.0001
MYO1B	0.912	-0.6458	<0.0001
CIPC	0.919	-0.6456	0.0047
FLT3	0.905	-0.6453	<0.0001
ABCA10	0.825	-0.6451	<0.0001
COX18	0.888	-0.6451	<0.0001

LOC100130587	0.636	-0.6449	0.0457
RETSAT	0.846	-0.6449	<0.0001
PIK3R1	0.901	-0.6449	<0.0001
WDR17	0.909	-0.6449	<0.0001
MPEG1	0.934	-0.6447	<0.0001
GDA	0.83	-0.6446	<0.0001
AGBL4	0.897	-0.6446	<0.0001
ST6GALNAC3	0.842	-0.6444	<0.0001
SIK1	0.85	-0.6442	<0.0001
ACVR1C	0.851	-0.6437	<0.0001
IGKV5-2	0.685	-0.6434	0.0001
ACYP2	0.898	-0.6432	<0.0001
SPSB4	0.926	-0.6432	<0.0001
SDHB	0.861	-0.643	<0.0001
SYDE2	0.896	-0.643	<0.0001
SLC1A2	0.922	-0.6429	<0.0001
LOC440346	0.715	-0.6428	0.0396
MIR6753	0	-0.6428	<0.0001
PCTP	0.812	-0.6427	<0.0001
ACKR4	0.885	-0.6425	<0.0001
FGA	0.909	-0.6422	<0.0001
ZFP3	0.806	-0.6418	<0.0001
HMGB1P27	0	-0.6417	<0.0001
ID4	0.946	-0.6417	<0.0001
HRG	0.856	-0.6416	<0.0001
MIR3689D1	0	-0.6412	0.0002
GSTA2	0.71	-0.6412	<0.0001
MIR497HG	0.77	-0.6411	0.0013
AKNA	0.863	-0.641	<0.0001
CCL5	0.913	-0.641	<0.0001
INTS6	0.82	-0.6409	<0.0001
SRSF5	0.933	-0.6405	0.0001
FLRT2	0.888	-0.6405	<0.0001

CCT6B	0.913	-0.6405	<0.0001
LAP3	0.758	-0.6403	<0.0001
MIR3679	0	-0.6402	0.0002
AQP7P1	0.873	-0.6402	<0.0001
NR1I3	0.898	-0.6401	<0.0001
IGHV3-64	0.863	-0.64	0.0176
CNKSR3	0.794	-0.6396	<0.0001
NRXN1	0.872	-0.6394	<0.0001
NRG3	0.859	-0.6393	<0.0001
SNORD115-8	0.856	-0.6389	0.0178
EPAS1	0.928	-0.6386	<0.0001
FAM210B	0.803	-0.6384	<0.0001
AOC3	0.885	-0.6383	<0.0001
AIG1	0.783	-0.6381	<0.0001
LOC100505570	0.626	-0.6367	0.0024
IGLC3	0.375	-0.6367	<0.0001
TPD52L1	0.924	-0.6365	<0.0001
DHRS4	0.816	-0.6363	<0.0001
NDUFA9P1	0.267	-0.6361	<0.0001
IGFBP1	0.817	-0.6361	<0.0001
CD247	0.906	-0.6361	<0.0001
LOC100131315	0	-0.636	0.0001
CROCC2	0.535	-0.636	0.0074
PSAT1	0.885	-0.636	<0.0001
DTHD1	0.778	-0.6357	<0.0001
CCDC28A	0.836	-0.6355	<0.0001
PGA5	0.946	-0.6348	0.0048
MIP	0.912	-0.6345	<0.0001
HAGH	0.915	-0.6345	<0.0001
GRK5	0.877	-0.6342	<0.0001
TRG-AS1	0.908	-0.6341	0.0199
HEXIM1	0.868	-0.6341	<0.0001
ADGRE1	0.511	-0.634	0.0061

PRSS22	0.874	-0.6338	<0.0001
MIR3158-1	0	-0.6335	0.0002
TSPAN11	0.877	-0.6335	<0.0001
LOC401463	0.965	-0.6333	0.0322
SPON1	0.875	-0.6333	<0.0001
ABCB4	0.908	-0.6331	<0.0001
IGKV1D-8	0.918	-0.633	0.0082
ATOH7	0.855	-0.6328	<0.0001
SUOX	0.913	-0.6327	<0.0001
NR2F2-AS1	0	-0.6324	<0.0001
LOC100507071	0.411	-0.6322	0.0003
DKFZp451B082	0.726	-0.6322	0.0071
KLF9	0.906	-0.6321	<0.0001
CCL4	0.901	-0.6319	<0.0001
SLC51A	0.84	-0.6315	<0.0001
CDO1	0.859	-0.6313	<0.0001
HHATL-AS1	0.82	-0.6312	0.0233
CLSTN2	0.889	-0.6312	<0.0001
KRT16P2	0.773	-0.6308	0.0002
MGLL	0.905	-0.6308	<0.0001
TBXAS1	0.909	-0.6305	<0.0001
CYTIP	0.835	-0.6304	<0.0001
CD8A	0.88	-0.6302	<0.0001
PRF1	0.883	-0.6301	<0.0001
ARHGAP8	0.917	-0.6301	<0.0001
LNX2	0.805	-0.6295	<0.0001
PPL	0.899	-0.6294	<0.0001
NAMPT	0.846	-0.629	<0.0001
ZFP36L1	0.944	-0.6288	<0.0001
TIAF1	0.965	-0.6286	0.0058
TMEM53	0.837	-0.6286	<0.0001
DNMT3L	0.886	-0.6286	<0.0001
NUP58	0.606	-0.6278	0.0072

CD200R1	0.816	-0.6276	<0.0001
FAM74A6	0.789	-0.6275	0.0288
GLUD1	0.914	-0.6275	<0.0001
NLRC3	0.735	-0.6271	<0.0001
TPMT	0.896	-0.627	<0.0001
PPP1R1C	0.642	-0.6268	<0.0001
CLPX	0.886	-0.6267	<0.0001
SLC17A3	0.902	-0.6267	<0.0001
TTC38	0.872	-0.6266	<0.0001
SFXN1	0.767	-0.6264	<0.0001
CSF1R	0.941	-0.6263	<0.0001
IGHV1-58	0.786	-0.6262	0.0104
UMODL1-AS1	0	-0.6262	<0.0001
KLF4	0.899	-0.6262	<0.0001
SELE	0.915	-0.6261	<0.0001
PRICKLE2	0.786	-0.6259	<0.0001
TRAT1	0.853	-0.6258	<0.0001
HMGCS2	0.868	-0.6258	<0.0001
DAO	0.902	-0.6258	<0.0001
LOC100506990	0.683	-0.6257	<0.0001
HPR	0.816	-0.6257	<0.0001
CFL2	0.662	-0.6256	<0.0001
BANF1P1	0.305	-0.6255	<0.0001
SYTL2	0.732	-0.6255	<0.0001
COL6A4P2	0.667	-0.6253	0.0005
CCS	0.908	-0.625	<0.0001
LINC01078	0.47	-0.6249	0.0273
NUDT6	0.877	-0.6248	<0.0001
SAMSN1	0.857	-0.6243	<0.0001
NTRK2	0.873	-0.6242	<0.0001
ARHGAP25	0.905	-0.6241	<0.0001
PTK2B	0.917	-0.6241	<0.0001
GSTA7P	0.744	-0.6239	0.007

PROC	0.9	-0.6239	<0.0001
ZCCHC23	0.832	-0.6237	0.0223
HABP2	0.859	-0.6234	<0.0001
IGLV8-61	0.788	-0.6232	0.0008
MTHFS	0.947	-0.6227	<0.0001
ACSM2A	0.819	-0.6223	<0.0001
NEAT1	0.87	-0.6222	0.0178
ANKRD18DP	0.386	-0.6221	<0.0001
SLC45A3	0.893	-0.622	<0.0001
ADGRG3	0.473	-0.6215	<0.0001
BDH1	0.884	-0.6214	<0.0001
ZNF667-AS1	0.901	-0.6213	0.002
LOC100131107	0	-0.6212	<0.0001
NFIA	0.618	-0.6212	<0.0001
TXNDC11	0.741	-0.6208	<0.0001
GRASP	0.91	-0.6208	<0.0001
TNN	0.839	-0.6204	<0.0001
IGLV6-57	0.735	-0.6203	<0.0001
MRPL54	0.886	-0.6202	<0.0001
RELN	0.877	-0.6201	<0.0001
OR5G5P	0.815	-0.62	0.0031
TMEM192	0.832	-0.6198	<0.0001
AVPR1A	0.878	-0.6197	<0.0001
GRPEL1	0.739	-0.6196	<0.0001
KLF8	0.88	-0.6196	<0.0001
BNIP2	0.917	-0.6196	<0.0001
PRDX3P2	0	-0.6195	<0.0001
KMT5B	0.043	-0.6194	<0.0001
VPS37B	0.839	-0.6193	<0.0001
BHLHE22	0.864	-0.6191	<0.0001
AQP7P2	0.736	-0.619	<0.0001
MIR548I3	0	-0.6188	0.0003
MIR100HG	0	-0.6187	<0.0001

RNF144B	0.773	-0.6183	<0.0001
IL16	0.919	-0.6182	<0.0001
WNT2	0.925	-0.6181	<0.0001
SEC14L2	0.896	-0.618	<0.0001
IL1R1	0.915	-0.618	<0.0001
WWC2	0.798	-0.6178	<0.0001
REC8	0.889	-0.6177	<0.0001
API5P2	0.141	-0.6173	<0.0001
HSBP1L1	0.789	-0.6172	<0.0001
LOC91450	0.521	-0.6167	0.0005
TNRC6C-AS1	0.285	-0.6166	<0.0001
RLIMP1	0	-0.6164	<0.0001
SIRT5	0.866	-0.6164	<0.0001
APOC1P1	0.829	-0.6163	0.001
CCDC38	0.764	-0.6163	<0.0001
TUSC1	0.777	-0.6161	<0.0001
MIR4265	0	-0.616	0.0003
LOC100129175	0	-0.6159	<0.0001
ABHD14B	0.879	-0.6158	<0.0001
PADI4	0.908	-0.6156	<0.0001
CYP2A7P1	0.938	-0.6156	<0.0001
LOC100287944	0.304	-0.6153	<0.0001
TFR2	0.663	-0.6143	<0.0001
IZUMO4	0.807	-0.6142	<0.0001
MACROD1	0.876	-0.6141	<0.0001
WDFY3-AS2	0.734	-0.614	<0.0001
CLEC7A	0.87	-0.614	<0.0001
FABP1	0.907	-0.6138	<0.0001
IGSF10	0.883	-0.6129	<0.0001
LINC00472	0.812	-0.6128	<0.0001
SLC17A8	0.847	-0.6127	<0.0001
COX7A1	0.915	-0.6126	<0.0001
CLUHP3	0.912	-0.6125	0.001

RAB26	0.822	-0.6123	<0.0001
ITIH1	0.899	-0.6119	<0.0001
DSCAM	0.837	-0.6113	<0.0001
IGHD	0.539	-0.6111	<0.0001
PNRC1	0.894	-0.6111	<0.0001
GLT1D1	0.825	-0.6109	<0.0001
LDLR	0.916	-0.6107	<0.0001
PPP1R1A	0.825	-0.6102	<0.0001
PABPN1L	0.808	-0.6101	<0.0001
STRCP1	0	-0.6098	<0.0001
GNG2	0.904	-0.6097	<0.0001
LHPP	0.873	-0.6096	<0.0001
ADORA3	0.939	-0.6096	<0.0001
PLXNA4	0.778	-0.6095	<0.0001
ETS1	0.917	-0.6093	<0.0001
SLC14A1	0.934	-0.6093	<0.0001
FCRL5	0.679	-0.6091	<0.0001
SNHG15	0	-0.6089	<0.0001
LATS2	0.882	-0.6089	<0.0001
PLD1	0.903	-0.6089	<0.0001
CSF3R	0.933	-0.6087	<0.0001
PPP2CB	0.903	-0.6086	<0.0001
LAMTOR3P2	0.391	-0.6083	<0.0001
PECR	0.824	-0.6082	<0.0001
TRGV5P	0.562	-0.608	0.0224
ITSN1	0.933	-0.608	<0.0001
RHOA-IT1	0.661	-0.6078	0.0039
DNAH2	0.891	-0.6078	<0.0001
PRG2	0.929	-0.6074	<0.0001
RNGTTP1	0	-0.6073	<0.0001
KIAA1671	0.743	-0.6073	<0.0001
RILP	0.796	-0.6073	<0.0001
LOC100507600	0.352	-0.6072	<0.0001

SGMS2	0.859	-0.607	<0.0001
TNFRSF11B	0.878	-0.607	<0.0001
LAG3	0.854	-0.6066	<0.0001
KCNAB1	0.927	-0.6066	<0.0001
SCGB2B3P	0	-0.6065	0.0003
LINC01422	0	-0.6065	<0.0001
MIR1185-1	0.468	-0.6063	<0.0001
ALOX15P1	0.18	-0.6061	0.0004
CXCR1	0.922	-0.6061	<0.0001
C1QC	0.929	-0.6059	<0.0001
SEC31B	0.912	-0.6058	<0.0001
UPB1	0.639	-0.6055	<0.0001
LRRC19	0.8	-0.6052	<0.0001
LINC01197	0.912	-0.6049	0.0181
LILRP1	0.326	-0.6047	<0.0001
SNORD126	0.884	-0.6046	0.0183
MIR432	0	-0.6045	0.0004
RFPL1	0.911	-0.6044	<0.0001
LINC01473	0	-0.6043	<0.0001
MIR4696	0	-0.604	0.0004
FAM41AY1	0	-0.6039	<0.0001
SLA	0.888	-0.6038	<0.0001
RAI2	0.83	-0.6031	<0.0001
CYP4X1	0.727	-0.6029	<0.0001
TRAPPC12-AS1	0.707	-0.6028	0.0034
RNU6-1039P	0.693	-0.6028	0.0052
CNKSR1	0.894	-0.6027	<0.0001
PRSS51	0.66	-0.6026	0.0119
HGD	0.9	-0.6023	<0.0001
HPN	0.897	-0.6022	<0.0001
GBP1	0.901	-0.6021	<0.0001
IGKV1-13	0.186	-0.6016	<0.0001
SMPD1	0.908	-0.6016	<0.0001

LINC01140	0.941	-0.6014	0.0103
SLC28A3	0.854	-0.6014	<0.0001
SGCD	0.867	-0.6014	<0.0001
ABI3	0.926	-0.6012	<0.0001
SAA1	0.746	-0.6008	<0.0001
USP53	0.85	-0.6008	<0.0001
SFXN5	0.887	-0.6008	<0.0001
IGHEP2	0.008	-0.6005	<0.0001
ABCG2	0.878	-0.6004	<0.0001
IGHV2-70	0.787	-0.6001	0.0234
AQP9	0.907	-0.6	<0.0001
PPIEL	0.783	-0.5997	<0.0001
MIR1267	0.81	-0.5996	0.0035
RGPD2	0.948	-0.5996	0.0101
RNA5SP349	0.109	-0.5996	<0.0001
NALCN	0.881	-0.5996	<0.0001
TGFA	0.853	-0.5995	<0.0001
COL14A1	0.924	-0.599	<0.0001
IKZF1	0.832	-0.5989	<0.0001
LIMCH1	0.766	-0.5986	<0.0001
SLC8A1	0.914	-0.5986	<0.0001
HAPLN4	0.933	-0.5986	<0.0001
POLHP1	0.29	-0.5984	<0.0001
PRCP	0.922	-0.5978	<0.0001
WNT11	0.885	-0.5976	<0.0001
HELQ	0.879	-0.5973	<0.0001
MEGF10	0.764	-0.5969	<0.0001
GFRA2	0.92	-0.5969	<0.0001
ANKRD20A5P	0.576	-0.5966	<0.0001
MZB1	0.794	-0.5966	<0.0001
CTTNBP2	0.832	-0.5963	<0.0001
MRPL32	0.879	-0.5962	<0.0001
NFATC1	0.896	-0.5962	<0.0001

ACY1	0.967	-0.5958	0.0002
RNA5SP415	0.694	-0.5957	0.0328
PC	0.908	-0.5955	<0.0001
RPL17P11	0	-0.5954	<0.0001
RNA5SP413	0.635	-0.595	0.0186
MYO9A	0.811	-0.595	<0.0001
NR0B2	0.884	-0.595	<0.0001
ANKRD24	0.925	-0.595	<0.0001
KANK4	0.721	-0.5949	<0.0001
LOC283856	0.798	-0.5948	0.0131
SERPINA3	0.96	-0.5947	0.0002
COBLL1	0.891	-0.5944	<0.0001
IGLL5	0.754	-0.5937	<0.0001
GJC3	0.87	-0.5937	<0.0001
HM13-IT1	0.283	-0.5936	<0.0001
TRABD2B	0.828	-0.5934	0.0001
SNORD115-4	0.89	-0.5934	0.0477
USPL1	0.905	-0.5934	<0.0001
SNORD65	0.34	-0.5933	<0.0001
SCGB3A1	0.774	-0.5931	<0.0001
NEIL1	0.856	-0.5929	<0.0001
SLC9A3R2	0.908	-0.5929	<0.0001
ARHGAP20	0.824	-0.5926	<0.0001
ORM2	0.929	-0.5924	0.0001
DPEP2	0.888	-0.5919	<0.0001
PIK3CD	0.884	-0.5918	<0.0001
NKD2	0.728	-0.5917	<0.0001
CELF2	0.795	-0.5914	<0.0001
ABHD15	0.667	-0.5911	<0.0001
GPRASP1	0.954	-0.5906	<0.0001
C1QA	0.921	-0.5905	<0.0001
KLHDC1	0.88	-0.5904	<0.0001
FNDC3A	0.93	-0.5903	<0.0001

CUX2	0.711	-0.5901	<0.0001
RANBP10	0.921	-0.5901	<0.0001
SNORD91A	0.354	-0.59	<0.0001
C11orf21	0.788	-0.59	<0.0001
CNTFR	0.866	-0.59	<0.0001
ESRRG	0.899	-0.5897	<0.0001
GOLGA8M	0.911	-0.5896	0.0287
UGT1A4	0.873	-0.5893	0.0003
ERG	0.911	-0.5893	<0.0001
DOK2	0.835	-0.5889	<0.0001
NLRP3	0.829	-0.5888	<0.0001
OTC	0.914	-0.5886	<0.0001
SORBS2	0.914	-0.5883	<0.0001
SNORD103B	0.374	-0.5881	<0.0001
CDK9	0.926	-0.5881	<0.0001
XAF1	0.934	-0.588	<0.0001
DUSP10	0.765	-0.5875	<0.0001
PPP1R32	0.787	-0.5871	<0.0001
GLT8D2	0.81	-0.5868	<0.0001
TRGV2	0	-0.5866	<0.0001
CTSB	0.854	-0.5866	<0.0001
NKIRAS1	0.851	-0.5865	<0.0001
KLRC4-KLRK1	0.279	-0.5864	<0.0001
C2orf88	0.808	-0.5864	<0.0001
SELL	0.88	-0.586	<0.0001
DSCAML1	0.819	-0.5859	<0.0001
CMYA5	0.865	-0.5858	<0.0001
C8orf31	0.873	-0.5857	<0.0001
CHRM2	0.94	-0.5856	<0.0001
ENPP1	0.905	-0.5855	<0.0001
LINC00310	0.903	-0.5852	0.0011
TRGV4	0.423	-0.5851	<0.0001
RNA5SP324	0.864	-0.585	0.0253

SERINC1	0.818	-0.585	<0.0001
NKG7	0.793	-0.5848	<0.0001
AUTS2	0.878	-0.5848	<0.0001
AGAP1-IT1	0.754	-0.5847	0.0129
FNDC5	0.807	-0.5846	<0.0001
GLDC	0.88	-0.5845	<0.0001
LOC100507346	0	-0.5844	0.0002
CYP2U1	0.739	-0.5843	<0.0001
KLC4	0.886	-0.5842	<0.0001
POU6F1	0.936	-0.5842	<0.0001
SEC14L4	0.835	-0.584	<0.0001
IGHV4-31	0.875	-0.5838	0.0165
PALM2-AKAP2	0.942	-0.5837	0.0057
RUNX3	0.909	-0.5837	<0.0001
LMLN-AS1	0.796	-0.5834	0.0227
RUND3B	0.772	-0.5828	<0.0001
ARHGAP30	0.837	-0.5828	<0.0001
CDH1	0.905	-0.5825	<0.0001
PCNX4	0	-0.5821	<0.0001
LGSN	0.77	-0.582	<0.0001
RAB14	0.851	-0.5814	<0.0001
KHK	0.866	-0.5811	<0.0001
LOC100130548	0.828	-0.5808	0.0436
APBA1	0.863	-0.5806	<0.0001
DPYS	0.877	-0.5806	<0.0001
IGKV3D-7	0.568	-0.5805	0.0017
ABRA1	0.505	-0.5805	<0.0001
GFOD1	0.869	-0.5804	<0.0001
SDHD	0.893	-0.5804	<0.0001
CMTR2	0.937	-0.5801	0.0216
GLRX	0.847	-0.5801	<0.0001
SLED1	0.871	-0.58	0.0011
CISH	0.743	-0.5798	<0.0001

EVA1C	0.898	-0.5794	0.0008
GATA3	0.884	-0.5791	<0.0001
TK2	0.918	-0.579	<0.0001
APOC3	0.438	-0.5789	<0.0001
DUSP2	0.918	-0.5789	<0.0001
GPBAR1	0.86	-0.5788	<0.0001
MAMDC4	0.832	-0.5787	<0.0001
FTCD-AS1	0.201	-0.5786	<0.0001
PIM3	0.854	-0.5786	<0.0001
SLC25A34	0.851	-0.5783	<0.0001
PDE8A	0.888	-0.578	<0.0001
SUCNR1	0.772	-0.5779	<0.0001
RUFY3	0.879	-0.5779	<0.0001
DCDC2C	0.617	-0.5778	0.0003
LINC01505	0.09	-0.577	<0.0001
MRM3	0.677	-0.5769	0.0316
FGFR1	0.875	-0.5766	<0.0001
ACOT2	0.901	-0.5763	<0.0001
UBAP1L	0.546	-0.576	<0.0001
CPB2	0.877	-0.576	<0.0001
DPYD	0.821	-0.5758	<0.0001
MIR6821	0	-0.5756	<0.0001
CLK1	0.832	-0.5754	<0.0001
PQLC1	0.784	-0.5753	<0.0001
DOCK10	0.835	-0.5752	<0.0001
TRPV3	0.872	-0.575	<0.0001
CST9LP1	0	-0.5747	0.0004
REPS2	0.889	-0.5743	<0.0001
SIK3	0.829	-0.5735	<0.0001
TPT1	0.917	-0.5733	<0.0001
TAL1	0.911	-0.5731	<0.0001
DUXAP3	0.908	-0.5728	0.0249
JUN	0.924	-0.5727	<0.0001

LZTFL1	0.749	-0.5726	<0.0001
RNF130	0.834	-0.5725	<0.0001
RNF122	0.869	-0.5724	<0.0001
CA13	0.872	-0.5722	<0.0001
ZBED1P1	0.384	-0.5721	<0.0001
DACT3	0.779	-0.5721	<0.0001
FMO3	0.895	-0.5719	<0.0001
CCDC186	0.933	-0.5717	0.0091
ADGRE2	0	-0.5717	<0.0001
FZD1	0.846	-0.5717	<0.0001
NPR3	0.84	-0.5715	<0.0001
SGPP1	0.889	-0.5715	<0.0001
MIR1247	0.841	-0.5714	0.0033
LOC101926960	0	-0.5714	<0.0001
NGF	0.823	-0.5714	<0.0001
INPP1	0.903	-0.5713	<0.0001
SNHG18	0.94	-0.5707	0.0486
CYB5A	0.841	-0.5707	<0.0001
SCML4	0.815	-0.5706	<0.0001
APCS	0.871	-0.5705	<0.0001
ARRB1	0.9	-0.5704	<0.0001
IGHV4-39	0.738	-0.5703	0.0133
LILRB3	0.9	-0.5702	<0.0001
ARHGEF26-AS1	0.713	-0.5697	<0.0001
CCPG1	0.907	-0.5696	<0.0001
DDB2	0.911	-0.5691	<0.0001
TTLL10-AS1	0.767	-0.569	0.0105
SNORD94	0.878	-0.5688	0.0014
TMEM173	0.721	-0.5688	<0.0001
MIR4713	0.489	-0.5687	0.0008
TBX20	0.873	-0.5684	<0.0001
LILRA3	0.886	-0.5681	<0.0001
PDE1A	0.845	-0.5678	<0.0001

LINC02054	0	-0.5676	<0.0001
SLITRK3	0.863	-0.5674	<0.0001
CD207	0.901	-0.5668	<0.0001
MAP1LC3A	0.731	-0.5665	<0.0001
LOC100506585	0.745	-0.5663	0.0293
LCN12	0.766	-0.5658	<0.0001
RAB27A	0.917	-0.5657	<0.0001
EHBP1	0.826	-0.5656	<0.0001
SAMD12	0.802	-0.5655	<0.0001
HDC	0.882	-0.5654	<0.0001
KDM7A	0.914	-0.5653	0.0039
LINC00426	0	-0.5653	<0.0001
NUDT7	0.863	-0.5652	<0.0001
TNFSF13B	0.636	-0.565	<0.0001
KRT42P	0.85	-0.5648	0.0007
RFPL4A	0.856	-0.5648	<0.0001
C1QB	0.92	-0.5647	<0.0001
VAMP2	0.949	-0.5646	<0.0001
F2	0.902	-0.5645	<0.0001
IGLON5	0.936	-0.5643	0.0006
C1orf50	0.778	-0.5643	<0.0001
BMX	0.893	-0.5643	<0.0001
QRSL1P3	0.378	-0.5638	<0.0001
ITK	0.831	-0.5637	<0.0001
ZCCHC2	0.885	-0.5637	<0.0001
ACAD8	0.859	-0.5634	<0.0001
PGA4	0.821	-0.563	<0.0001
ELF1	0.874	-0.5629	<0.0001
PIK3R5	0.835	-0.5628	<0.0001
NOCT	0.653	-0.5625	0.0312
TRBV23-1	0.52	-0.5623	0.0129
LOC100505915	0.634	-0.5622	<0.0001
IL10	0.904	-0.562	<0.0001

USP32P2	0.926	-0.5619	0.0044
CFAP74	0.715	-0.5619	0.0107
PLSCR1	0.925	-0.5618	<0.0001
HOTAIRM1	0.836	-0.5613	0.0005
SOWAHC	0.584	-0.5612	<0.0001
CCL3L1	0	-0.5608	<0.0001
RASGRP4	0.835	-0.5607	<0.0001
ANAPC16	0.547	-0.5605	<0.0001
GSTA5	0.777	-0.5605	<0.0001
IGKV1-5	0.876	-0.5603	0.0003
C11orf1	0.881	-0.5602	<0.0001
DMRTA1	0.887	-0.5602	<0.0001
SCNN1A	0.845	-0.5601	<0.0001
ADRB2	0.88	-0.5601	<0.0001
GEM	0.898	-0.5595	<0.0001
CYP2D6	0.859	-0.5592	<0.0001
SCRG1	0.889	-0.559	<0.0001
HCK	0.918	-0.559	<0.0001
MIR4708	0	-0.5589	0.001
TNFSF11	0.785	-0.5587	<0.0001
ARSD	0.826	-0.5586	<0.0001
LRRC25	0.861	-0.5586	<0.0001
HMGN1P9	0	-0.5585	<0.0001
TSHZ3	0.698	-0.5585	<0.0001
MARCH1	0.749	-0.5583	0.0007
SIGLEC5	0.858	-0.5583	<0.0001
DCTD	0.906	-0.5583	<0.0001
MAPK10	0.925	-0.5578	<0.0001
RPAIN	0.831	-0.5577	<0.0001
MYLK	0.869	-0.5575	<0.0001
APLNR	0.846	-0.5574	<0.0001
CCDC69	0.862	-0.5573	<0.0001
PDZD4	0.911	-0.5573	<0.0001

VPS9D1	0.947	-0.5572	0.0104
NLRP12	0.863	-0.5572	<0.0001
ELFN1	0.794	-0.5571	<0.0001
TBRG1	0.885	-0.5571	<0.0001
ACAP1	0.692	-0.557	<0.0001
BIN2	0.913	-0.557	<0.0001
RGS2	0.78	-0.5567	<0.0001
RAB3IL1	0.783	-0.5566	<0.0001
ANKS4B	0.827	-0.5566	<0.0001
SHC2	0.777	-0.5563	<0.0001
CPAMD8	0.744	-0.5562	<0.0001
MIR551B	0.138	-0.556	<0.0001
PTGES3P2	0.176	-0.5559	<0.0001
GDF6	0.604	-0.5559	<0.0001
FMO4	0.868	-0.5557	<0.0001
KCNE1	0.919	-0.5554	<0.0001
VIM-AS1	0.75	-0.5553	0.0288
ACO1	0.905	-0.5552	<0.0001
MIR4748	0	-0.5551	0.001
DIXDC1	0.69	-0.5547	<0.0001
RCN3	0.892	-0.5547	<0.0001
SNORD91B	0.766	-0.5546	0.0033
LOC653303	0	-0.5544	<0.0001
FZD8	0.701	-0.5543	<0.0001
SLC31A1	0.927	-0.5543	<0.0001
MBD3L3	0.487	-0.5541	0.0011
TPK1	0.754	-0.5532	<0.0001
SPINT2	0.913	-0.5532	<0.0001
THYN1	0.801	-0.5528	<0.0001
RRN3	0.908	-0.5528	<0.0001
CFLAR	0.944	-0.5528	<0.0001
ZZEF1	0.846	-0.5526	<0.0001
LARP7	0.795	-0.5525	<0.0001

FDX1	0.91	-0.5525	<0.0001
MMP19	0.898	-0.5523	<0.0001
PHOSPHO1	0.938	-0.5521	<0.0001
GGT1	0.731	-0.552	<0.0001
MTMR9	0.838	-0.552	<0.0001
PRR18	0.78	-0.5519	<0.0001
ADCY5	0.917	-0.5519	<0.0001
FCRL3	0.678	-0.5512	<0.0001
NAMA	0.367	-0.5511	<0.0001
LILRA6	0.834	-0.5511	<0.0001
FGFR2	0.909	-0.5509	<0.0001
MYH10	0.875	-0.5508	<0.0001
LINC01176	0.511	-0.5507	0.0387
USF3	0	-0.5507	<0.0001
LOC641746	0.504	-0.5505	0.0007
FCER1A	0.921	-0.5505	<0.0001
METTL7A	0.922	-0.5505	<0.0001
LOC340512	0	-0.5504	0.0176
MAN2B2	0.742	-0.55	<0.0001
EFHD1	0.887	-0.55	<0.0001
LOC101927391	0.467	-0.5499	<0.0001
LRRK1	0.817	-0.5498	<0.0001
LGI1	0.845	-0.5497	<0.0001
IGLV9-49	0.706	-0.5496	0.0011
CLEC4F	0.791	-0.5496	<0.0001
PFKFB3	0.917	-0.5496	<0.0001
LRRN1	0.834	-0.5495	<0.0001
ZNF662	0.871	-0.5494	<0.0001
RNY3P7	0.021	-0.5493	<0.0001
TSC22D3	0.877	-0.5492	<0.0001
HMG5	0.785	-0.5487	<0.0001
RNU1-21P	0.618	-0.5486	0.026
TDRD6	0.822	-0.5485	<0.0001

ZNF395	0.879	-0.5485	<0.0001
RPSAP64	0.568	-0.5478	0.0487
IGHV1-46	0.542	-0.5473	0.0009
SNAR-C4	0.185	-0.547	0.0001
KIAA0040	0.889	-0.547	<0.0001
LMNTD2	0.937	-0.5469	0.0245
TMPRSS6	0.812	-0.5468	<0.0001
HIBCH	0.911	-0.5467	<0.0001
ENKD1	0.656	-0.5462	<0.0001
C4orf33	0.807	-0.5457	<0.0001
CALR4P	0.19	-0.5456	<0.0001
DGCR5	0.9	-0.5456	<0.0001
CCL3	0.914	-0.5456	<0.0001
TVP23A	0.921	-0.5455	0.0045
RNA5SP403	0.833	-0.5454	0.0205
MCL1	0.922	-0.5453	<0.0001
NAT8	0.774	-0.5452	<0.0001
LOC100129129	0.643	-0.545	0.0006
RPS6KA6	0.906	-0.5449	<0.0001
LOC283731	0.656	-0.5446	0.0064
CEBPD	0.928	-0.5445	<0.0001
KYNU	0.892	-0.5439	<0.0001
ACOT1	0.648	-0.5437	<0.0001
IL1RAPL2	0.899	-0.5436	<0.0001
DLGAP2	0.886	-0.5435	<0.0001
CHRNA4	0.94	-0.5435	<0.0001
FLJ34503	0.818	-0.5431	<0.0001
TLR2	0.906	-0.543	<0.0001
ELOA	0.272	-0.5429	<0.0001
ABCA1	0.922	-0.5429	<0.0001
PTPN22	0.742	-0.5428	<0.0001
IRF7	0.903	-0.5426	<0.0001
PTPRN2	0.928	-0.5425	<0.0001

RNA5SP307	0.887	-0.5424	0.0297
C2CD4B	0.853	-0.5423	<0.0001
SRPRA	0.587	-0.5422	0.0153
ACSM2B	0.82	-0.5421	<0.0001
TMEM132C	0.911	-0.5421	<0.0001
RPS16P5	0.224	-0.5418	<0.0001
DECR1	0.849	-0.5418	<0.0001
FAM167B	0.834	-0.5415	<0.0001
IL1RN	0.875	-0.5415	<0.0001
IGHV4-34	0.784	-0.5411	0.0168
PEX3	0.827	-0.541	<0.0001
NAB2	0.903	-0.541	<0.0001
RNU5B-6P	0.301	-0.5409	<0.0001
HMBOX1	0.872	-0.5409	<0.0001
TIPARP	0.808	-0.5406	<0.0001
CYP3A5	0.897	-0.5404	<0.0001
MMP23B	0.825	-0.5403	<0.0001
G0S2	0.862	-0.5402	<0.0001
FAM160A1	0.884	-0.5402	<0.0001
GRB14	0.909	-0.5401	<0.0001
FAM122A	0.856	-0.5398	<0.0001
N4BP2L2	0.775	-0.5397	<0.0001
LIMS2	0.864	-0.5397	<0.0001
UCA1	0.864	-0.5396	<0.0001
DERA	0.785	-0.5393	<0.0001
SLC7A7	0.911	-0.539	<0.0001
SUDS3P1	0.257	-0.5388	<0.0001
KIAA1109	0.88	-0.5387	<0.0001
DOC2GP	0.593	-0.5385	0.003
TSNAXIP1	0.931	-0.5385	<0.0001
EHHADH-AS1	0.677	-0.5381	0.0062
CYP4Z1	0.682	-0.5381	<0.0001
RNA5SP409	0	-0.538	0.0014

RYKP1	0.258	-0.5377	<0.0001
GSTP1	0.894	-0.5376	<0.0001
ELMSAN1	0.872	-0.5375	0.0111
MIR4451	0.318	-0.5372	0.0015
SNORD18A	0.102	-0.5372	<0.0001
SESN1	0.711	-0.5372	<0.0001
TPRG1L	0.795	-0.5372	<0.0001
GSTM2	0.823	-0.5372	<0.0001
APOH	0.9	-0.5371	<0.0001
BOK-AS1	0.582	-0.537	0.0017
MIR3180-4	0.701	-0.537	0.0122
PNMA2	0.808	-0.5368	<0.0001
GTF2IRD2P1	0.073	-0.5367	<0.0001
PXDN	0.684	-0.5364	<0.0001
RND1	0.64	-0.5362	<0.0001
MCCC1	0.703	-0.5362	<0.0001
LOC285626	0	-0.5361	0.0002
SPIRE1	0.612	-0.5361	<0.0001
ZNF684	0.842	-0.5361	<0.0001
ANKRD37	0.871	-0.5361	<0.0001
DEFA1B	0.726	-0.5358	<0.0001
DHRS4L2	0.845	-0.5358	<0.0001
TMEM204	0.75	-0.5357	<0.0001
DPP10-AS1	0.932	-0.5353	0.0415
COL4A4	0.84	-0.5351	<0.0001
BHLHE40	0.789	-0.5349	<0.0001
RASD1	0.84	-0.5349	<0.0001
HIBADH	0.81	-0.5345	<0.0001
UGT3A1	0.736	-0.5339	<0.0001
PRKRA	0.861	-0.5336	<0.0001
SDC4P	0.895	-0.5335	0.0013
RCAN3AS	0.315	-0.5334	0.0016
PDIA5	0.877	-0.5333	<0.0001

CLK4	0.898	-0.5333	<0.0001
LOC414300	0.436	-0.5332	<0.0001
HERPUD1	0.918	-0.5331	<0.0001
CR1L	0.898	-0.533	<0.0001
UBL3	0.878	-0.5329	<0.0001
SUCLG2-AS1	0.114	-0.5328	<0.0001
DGAT2	0.695	-0.5324	<0.0001
TPRG1	0.85	-0.5322	<0.0001
FAHD2B	0.957	-0.5321	0.0049
IGKV1D-13	0.847	-0.532	0.003
CDADC1	0.738	-0.5318	<0.0001
EIF2S2P2	0	-0.5317	<0.0001
PROM2	0.757	-0.5317	<0.0001
SALL1	0.91	-0.5317	<0.0001
YAF2	0.918	-0.5317	<0.0001
RNY1P6	0	-0.5316	0.0007
ERVK3-2	0.896	-0.5316	0.0161
MIR3691	0.272	-0.5315	0.0017
TBC1D15	0.877	-0.5314	<0.0001
IGKV3D-11	0.827	-0.5311	0.0113
H19	0.711	-0.5311	<0.0001
GLYCTK	0.75	-0.5311	<0.0001
CEPT1	0.856	-0.5311	<0.0001
LOC692247	0.79	-0.5309	0.0032
IRF4	0.861	-0.5308	<0.0001
DENND2A	0.714	-0.5307	<0.0001
GZMH	0.913	-0.5307	<0.0001
CD1C	0.934	-0.5304	<0.0001
ISLR	0.848	-0.5303	<0.0001
GLIS3	0.793	-0.5301	<0.0001
KIAA1217	0.901	-0.5299	<0.0001
MYO7A	0.928	-0.5298	<0.0001
OSBPL11	0.797	-0.5296	<0.0001

KLF6	0.881	-0.5291	<0.0001
EFS	0.903	-0.529	<0.0001
PDE3B	0.901	-0.5288	<0.0001
MYO15A	0.903	-0.5287	<0.0001
LY86	0.931	-0.5286	<0.0001
DPH1	0.959	-0.5285	0.004
SMIM2-AS1	0.861	-0.5285	0.006
C6orf99	0.776	-0.5281	<0.0001
ABCG5	0.888	-0.5276	<0.0001
CYP2A13	0.942	-0.5272	<0.0001
CALN1	0.847	-0.5268	<0.0001
ZBTB16	0.75	-0.5267	<0.0001
RCSD1	0.866	-0.5267	<0.0001
TTY1B	0	-0.5265	0.0007
SNORD90	0.864	-0.5264	0.0301
SIAE	0.836	-0.5262	<0.0001
EDN1	0.736	-0.5261	<0.0001
SYT7	0.904	-0.526	<0.0001
GTSCR1	0.805	-0.5259	<0.0001
LY9	0.868	-0.5254	<0.0001
SEMA5A	0.903	-0.5252	<0.0001
SEMA6A	0.723	-0.5251	<0.0001
CFHR2	0.926	-0.5251	<0.0001
HNF4A-AS1	0.728	-0.525	0.0007
SLC22A17	0.723	-0.525	<0.0001
SLC3A1	0.633	-0.5248	<0.0001
GAS6	0.885	-0.5248	<0.0001
FBXL3	0.822	-0.5243	<0.0001
SOCS6	0.842	-0.5243	<0.0001
PRKG1	0.876	-0.524	<0.0001
NCALD	0.771	-0.5239	<0.0001
SLCO4A1	0.851	-0.5238	<0.0001
CYP7B1	0.875	-0.5236	<0.0001

RBP4	0.904	-0.5234	<0.0001
TIGD2	0.84	-0.5233	<0.0001
CES3	0.874	-0.5233	<0.0001
SPG7	0.939	-0.5232	<0.0001
CXCL6	0.912	-0.523	<0.0001
CLU	0.932	-0.5225	<0.0001
MIR665	0	-0.5224	<0.0001
KLRC4	0.914	-0.5218	<0.0001
USF1P1	0	-0.5216	<0.0001
GPM6B	0.914	-0.5216	<0.0001
COTL1	0.908	-0.5215	<0.0001
LPAR6	0.701	-0.5214	<0.0001
ABCB11	0.821	-0.5214	<0.0001
LTBP1	0.921	-0.5213	<0.0001
RCC2P7	0	-0.5208	<0.0001
FCHSD2	0.858	-0.5207	<0.0001
RCHY1	0.88	-0.5203	<0.0001
KCNMA1-AS1	0	-0.5202	<0.0001
NPAP1	0.954	-0.5199	0.0181
MEP1B	0.905	-0.5198	<0.0001
MIR4720	0	-0.5196	0.0006
PRRG2	0.68	-0.5195	<0.0001
FGL1	0.885	-0.5194	<0.0001
NAV2	0.719	-0.5193	<0.0001
COL5A1-AS1	0	-0.5191	<0.0001
FGFR1OP2	0.793	-0.519	<0.0001
EBF4	0.833	-0.519	<0.0001
CMBL	0.823	-0.5188	<0.0001
GALNT3	0.912	-0.5187	<0.0001
LOC643542	0.171	-0.5185	0.0001
PDE4B	0.885	-0.5184	<0.0001
MIR24-1	0.769	-0.5182	0.003
SCARNA5	0.776	-0.5181	0.001

TRBV25-1	0	-0.5179	0.0003
CREBL2	0.897	-0.5175	<0.0001
LINC01237	0	-0.5172	<0.0001
F7	0.868	-0.5172	<0.0001
ZNF540	0.844	-0.5171	<0.0001
CCR2	0.872	-0.517	<0.0001
MMACHC	0.799	-0.5167	<0.0001
DEFA1	0.828	-0.5166	0.0002
CTSL	0.819	-0.5164	<0.0001
VWA8	0.584	-0.5161	<0.0001
GNB4	0.869	-0.5161	<0.0001
MIR4287	0	-0.5158	0.0022
TSPAN32	0.815	-0.5157	<0.0001
RAPGEF2	0.787	-0.5152	<0.0001
LOC100129203	0.1	-0.5148	<0.0001
MRPL39	0.821	-0.5145	<0.0001
SERPINA7	0.885	-0.5145	<0.0001
FBXW7	0.8	-0.5144	<0.0001
MEI1	0.816	-0.5144	<0.0001
QSOX1	0.855	-0.5144	<0.0001
KLRC3	0.897	-0.5144	<0.0001
ARRDC4	0.581	-0.5143	<0.0001
C21orf91-OT1	0.706	-0.5143	<0.0001
EI24	0.888	-0.5143	<0.0001
MAN1A1	0.912	-0.5142	<0.0001
FILIP1L	0.924	-0.5142	<0.0001
MRS2P2	0.35	-0.5141	<0.0001
LGR6	0.86	-0.5141	<0.0001
CLDN14	0.855	-0.5139	<0.0001
CXCR6	0.895	-0.5139	<0.0001
GCHFR	0.904	-0.5139	<0.0001
NAPSA	0.91	-0.5136	<0.0001
OR7E100P	0	-0.5134	<0.0001

POM121L9P	0.906	-0.5133	0.0004
BOK	0.801	-0.513	<0.0001
PKHD1L1	0.788	-0.5129	<0.0001
AKAP12	0.895	-0.5129	<0.0001
GALNT14	0.911	-0.5129	<0.0001
SDHA	0.911	-0.5129	<0.0001
TSHR	0.926	-0.5127	<0.0001
NUDT16P1	0.848	-0.5126	<0.0001
LOC729603	0.643	-0.5125	<0.0001
ZAP70	0.86	-0.5123	<0.0001
FHL2	0.881	-0.5123	<0.0001
GAMT	0.912	-0.5123	<0.0001
KLHL33	0.918	-0.5122	0.003
LINC00861	0.401	-0.512	<0.0001
GPR18	0.895	-0.512	<0.0001
MDN1	0.92	-0.512	<0.0001
SERPINA6	0.908	-0.5119	<0.0001
PARGP1	0.577	-0.5118	0.0328
STAP1	0.729	-0.5118	<0.0001
LOC729867	0	-0.5117	0.0271
ASCL2	0.809	-0.5116	<0.0001
IGSF9	0.855	-0.5115	<0.0001
PRDM2	0.918	-0.5113	<0.0001
BNIP3L	0.773	-0.5111	<0.0001
SORD	0.89	-0.5109	<0.0001
MIR29C	0.441	-0.5108	0.0003
RN7SL614P	0	-0.5108	<0.0001
IQGAP2	0.913	-0.5107	<0.0001
PHBP19	0.455	-0.5106	<0.0001
SERP2	0.508	-0.5106	<0.0001
ANKFY1	0.781	-0.5106	<0.0001
ALG1L13P	0	-0.5102	<0.0001
WASF3	0.796	-0.5102	<0.0001

CLEC2B	0.915	-0.51	<0.0001
CEP85L	0.932	-0.5099	0.0091
BLK	0.907	-0.5097	<0.0001
SMCR6	0.541	-0.5096	0.0012
TTC3-AS1	0.531	-0.5096	0.0018
MUC3B	0.635	-0.5096	<0.0001
WDFY3	0.805	-0.5096	<0.0001
MARK2P9	0.629	-0.5095	0.0128
HMGB3P7	0	-0.5093	<0.0001
MSRB1	0.883	-0.509	0.0005
TMOD1	0.711	-0.5089	<0.0001
KDSR	0.721	-0.5087	<0.0001
FAM74A1	0.716	-0.5079	0.0021
MIR522	0.319	-0.5079	0.0026
ADAP2	0.863	-0.5079	<0.0001
RGPD1	0.868	-0.5079	<0.0001
NCF1	0.647	-0.5078	<0.0001
CCNH	0.882	-0.5078	<0.0001
TRMT11	0.917	-0.5077	<0.0001
SNORD89	0.892	-0.5075	0.0002
SH3TC1	0.761	-0.5075	<0.0001
IGLV1-44	0.765	-0.5075	<0.0001
RRN3P3	0.922	-0.5071	0.0185
ARVCF	0.911	-0.507	<0.0001
ERN1	0.83	-0.5069	<0.0001
COL6A2	0.884	-0.5069	<0.0001
BHMT2	0.728	-0.5067	<0.0001
SERPINA5	0.899	-0.5067	<0.0001
DIP2C	0.789	-0.5066	<0.0001
MIR4486	0	-0.5065	0.0026
TRIM13	0.608	-0.5065	<0.0001
PCBD1	0.868	-0.5065	<0.0001
SEC24D	0.897	-0.5058	<0.0001

CCDC90B	0.807	-0.5055	<0.0001
SOX5	0.91	-0.5055	<0.0001
ZBTB21	0.921	-0.5053	0.0107
TNFRSF1A	0.922	-0.5053	<0.0001
ALDH1A3	0.88	-0.5052	<0.0001
SDSL	0.717	-0.5051	<0.0001
DCHS1	0.921	-0.5051	<0.0001
AK4P4	0	-0.505	<0.0001
RASL11B	0.703	-0.5049	<0.0001
NAV2-AS1	0	-0.5044	0.0007
TNFSF12	0.797	-0.5044	<0.0001
AHSG	0.836	-0.5043	<0.0001
DAPP1	0.843	-0.5043	<0.0001
SIRT3	0.853	-0.5043	<0.0001
HECA	0.847	-0.5039	<0.0001
RBPMS	0.924	-0.5038	<0.0001
PARP6	0.773	-0.5036	<0.0001
TMEM86B	0.773	-0.5034	<0.0001
FES	0.869	-0.5034	<0.0001
MIR3150B	0.246	-0.5032	0.0025
DAAM1	0.595	-0.5031	<0.0001
TRDV1	0.924	-0.5028	0.0196
ORM1	0.897	-0.5028	<0.0001
KCNAB3	0.929	-0.5027	<0.0001
LOC100287477	0	-0.5026	0.0325
EPB41L3	0.913	-0.5026	<0.0001
KAT2B	0.755	-0.5025	<0.0001
DOCK5	0.921	-0.5025	<0.0001
TPRG1-AS1	0.722	-0.5023	0.0327
PRR22	0.906	-0.5021	<0.0001
LURAP1L	0.858	-0.502	0.0009
GGT6	0.825	-0.502	<0.0001
NPDC1	0.734	-0.5019	<0.0001

PLEK	0.851	-0.5018	<0.0001
SFXN2	0.749	-0.5017	<0.0001
LINC00366	0.694	-0.5013	0.0228
ARHGAP42	0.718	-0.5012	<0.0001
INHBC	0.808	-0.5009	<0.0001
ALDH9A1	0.909	-0.5009	<0.0001
APMAP	0.473	-0.5005	<0.0001
PAH	0.895	-0.5005	<0.0001
CABP4	0.83	-0.5004	<0.0001
HADHB	0.902	-0.5004	<0.0001
BTBD19	0.9	-0.5002	0.0003
AEBP1	0.879	-0.5002	<0.0001
BRINP2	0.925	-0.5001	0.0102
MFSD8	0.835	-0.5001	<0.0001
HES1	0.881	-0.5001	<0.0001
SGK1	0.794	-0.5	<0.0001
TMEM255B	0.854	-0.4998	0.0007
MIR3621	0.338	-0.4997	0.0031
CNRIP1	0.845	-0.4997	<0.0001
DNAJB14	0.746	-0.4991	<0.0001
HDAC9	0.883	-0.4989	<0.0001
PIK3AP1	0.644	-0.4985	<0.0001
LOC642361	0.413	-0.4984	<0.0001
LPXN	0.796	-0.4984	<0.0001
CCDC26	0.848	-0.4983	<0.0001
USO1	0.899	-0.4983	<0.0001
MEG9	0.835	-0.4981	0.0022
KRT16P3	0.832	-0.4981	0.0187
ICAM3	0.857	-0.4978	<0.0001
ID2B	0.913	-0.4977	0.0002
LINC00604	0.682	-0.4977	0.0215
HEY2	0.749	-0.4975	<0.0001
DIO1	0.625	-0.4974	<0.0001

BEX1	0.906	-0.4974	<0.0001
CYP3A7	0.918	-0.4974	<0.0001
GSTA1	0.927	-0.4974	<0.0001
ZCWPW1	0.76	-0.4973	<0.0001
CD274	0.888	-0.4973	<0.0001
TMEM30B	0.814	-0.4971	<0.0001
CD209	0.891	-0.4971	<0.0001
AGAP7P	0	-0.4969	<0.0001
A1CF	0.684	-0.4969	<0.0001
NADK	0.916	-0.4969	<0.0001
COL18A1	0.906	-0.4968	<0.0001
TF	0.886	-0.4965	<0.0001
MTRNR2L8	0.757	-0.4964	0.0092
FGD3	0.621	-0.4962	<0.0001
RWDD2B	0.829	-0.4962	<0.0001
TNFRSF17	0.856	-0.4962	<0.0001
LINC00402	0.363	-0.496	<0.0001
TNFSF13	0.942	-0.4955	0.0018
PRUNE2	0.645	-0.4953	<0.0001
GC	0.886	-0.4953	<0.0001
CLC	0.817	-0.4951	<0.0001
CYBRD1	0.892	-0.4951	<0.0001
SDCBP2	0.8	-0.4948	<0.0001
STPG2	0.91	-0.4945	0.0057
MAST4	0.692	-0.4945	<0.0001
SRSF4	0.922	-0.4943	0.0009
ACER1	0.799	-0.4941	<0.0001
DICER1	0.89	-0.4941	<0.0001
CD48	0.926	-0.4941	<0.0001
LINC01625	0.384	-0.494	<0.0001
CES2	0.906	-0.494	<0.0001
NEXN	0.758	-0.4938	<0.0001
MIR365B	0.48	-0.4937	0.0031

HIGD1A	0.896	-0.4937	<0.0001
CLEC4C	0.791	-0.4936	<0.0001
PLEKHH2	0.828	-0.4934	<0.0001
MGC70870	0.697	-0.4929	<0.0001
ATG16L2	0.907	-0.4927	<0.0001
DDTL	0.853	-0.4925	<0.0001
NCOA7-AS1	0	-0.4923	<0.0001
USP17L19	0	-0.4921	0.0007
USP17L30	0.51	-0.4921	0.0281
MIR29B2	0.659	-0.4921	0.0318
FAM83H-AS1	0.305	-0.4917	0.0029
GATM	0.883	-0.4917	<0.0001
DOCK2	0.865	-0.4916	<0.0001
SLC2A2	0.879	-0.4916	<0.0001
CRTAM	0.878	-0.4915	<0.0001
C9orf78	0.684	-0.4913	<0.0001
CCL4L2	0.915	-0.4912	0.0288
PSMC1P9	0	-0.4912	<0.0001
CHRDL1	0.803	-0.4909	<0.0001
LOC606724	0.723	-0.4904	0.0003
SLC39A8	0.903	-0.4903	<0.0001
AIF1	0.946	-0.4901	<0.0001
MYCBP2	0.816	-0.49	<0.0001
TNRC6A	0.902	-0.4899	<0.0001
CYP27A1	0.887	-0.4898	<0.0001
RNY5	0.908	-0.4896	0.0469
NBEA	0.776	-0.4896	<0.0001
HMGNI1P8	0	-0.4895	<0.0001
BTBD16	0.676	-0.4895	<0.0001
ATP1B2	0.898	-0.4895	<0.0001
MAMDC2-AS1	0.865	-0.4894	0.0063
CCDC146	0.775	-0.4894	<0.0001
EYA2	0.89	-0.4892	<0.0001

DEFB1	0.895	-0.489	<0.0001
RAB11B-AS1	0.912	-0.4888	0.0384
COL26A1	0.842	-0.4887	0.0006
ECHDC3	0.759	-0.4887	<0.0001
NOS3	0.919	-0.4887	<0.0001
PPP1R15A	0.848	-0.4885	<0.0001
PTGDS	0.811	-0.4884	<0.0001
PF4	0.888	-0.4884	<0.0001
CCL16	0.7	-0.4883	<0.0001
SAA2	0.826	-0.4883	<0.0001
GTF2IRD2B	0.895	-0.4881	<0.0001
SHB	0.91	-0.488	<0.0001
RAB37	0.764	-0.4879	<0.0001
ACCS	0.823	-0.4879	<0.0001
GZMA	0.901	-0.4878	<0.0001
EBI3	0.922	-0.4876	<0.0001
DNAJC15	0.766	-0.4874	<0.0001
PID1	0.884	-0.4873	<0.0001
MIR1226	0.857	-0.4871	0.0049
LOC260339	0.758	-0.487	0.0177
LOC101927143	0.294	-0.487	<0.0001
PRKCQ	0.904	-0.4865	<0.0001
TAB2	0.551	-0.4862	<0.0001
AMPH	0.909	-0.4862	<0.0001
SMCO1	0.361	-0.4858	<0.0001
SERPINA1	0.915	-0.4858	<0.0001
C16orf70	0.871	-0.4856	<0.0001
FUT6	0.879	-0.4856	<0.0001
NAP1L1P2	0	-0.4853	<0.0001
ETNK2	0.843	-0.4853	<0.0001
HOMER2	0.697	-0.485	<0.0001
GRIA3	0.803	-0.485	<0.0001
DHX58	0.804	-0.485	<0.0001

CD38	0.842	-0.4849	<0.0001
RNF112	0.748	-0.4843	<0.0001
MIR3156-1	0.301	-0.4842	0.004
UBE2D3	0.891	-0.4842	<0.0001
FOLR2	0.944	-0.4842	<0.0001
PDE1B	0.915	-0.4841	<0.0001
CTIF	0.902	-0.4838	0.0008
GPSM3	0.895	-0.4838	<0.0001
MAOB	0.895	-0.4836	<0.0001
CD33	0.909	-0.4836	<0.0001
OR10AB1P	0.806	-0.4835	0.0195
CRK	0.915	-0.4835	<0.0001
SYAP1	0.782	-0.4831	<0.0001
CLMP	0.738	-0.4827	<0.0001
CYBB	0.921	-0.4825	<0.0001
C4BPA	0.825	-0.4822	<0.0001
HSPB6	0.857	-0.4822	<0.0001
FAM126B	0.846	-0.4821	<0.0001
FRMD6	0.901	-0.4821	<0.0001
GSDMB	0.797	-0.482	<0.0001
OXER1	0.859	-0.482	<0.0001
GSTTP2	0	-0.4819	<0.0001
PGRMC2	0.773	-0.4818	<0.0001
UTP3	0.852	-0.4818	<0.0001
FMOD	0.861	-0.4817	<0.0001
MIR28	0	-0.4815	0.0001
CA3	0.905	-0.4814	<0.0001
KIF26A	0.694	-0.4813	<0.0001
RNA5SP43	0	-0.4811	0.0001
NIPSNAP3A	0.525	-0.481	<0.0001
GPRIN2	0.772	-0.4808	<0.0001
TMEM121	0.877	-0.4807	<0.0001
BAZ2B	0.881	-0.4806	<0.0001

ATMIN	0.783	-0.4805	<0.0001
MIR1298	0.751	-0.4804	0.0074
PRKAG2-AS1	0.508	-0.4804	<0.0001
DENND2D	0.802	-0.4804	<0.0001
VKORC1	0.907	-0.4799	<0.0001
NPBWR1	0.87	-0.4797	<0.0001
CLDN2	0.821	-0.4796	<0.0001
GSE1	0.925	-0.4795	0.008
SLC5A3	0.882	-0.4795	<0.0001
CFB	0.947	-0.4793	0.0003
A2MP1	0.755	-0.4793	0.0009
CCNB1IP1	0.589	-0.479	<0.0001
SLC16A13	0.808	-0.479	<0.0001
GP6	0.843	-0.4789	<0.0001
UGT2B15	0.921	-0.4788	<0.0001
PEBP1	0.919	-0.4785	<0.0001
LDLRAD4-AS1	0.71	-0.4784	0.0003
NCR1	0.838	-0.4782	<0.0001
POR	0.9	-0.4779	<0.0001
LOC101929718	0.239	-0.4775	<0.0001
MIR4327	0.217	-0.4772	0.0045
SLC26A5	0.726	-0.4771	<0.0001
ASB13	0.836	-0.4769	<0.0001
PITRM1-AS1	0.91	-0.4767	0.0384
METTL7B	0.848	-0.4761	<0.0001
KCNH7	0.873	-0.4761	<0.0001
BAIAP2	0.897	-0.4761	<0.0001
CRTAC1	0.91	-0.476	<0.0001
BMPR1B	0.902	-0.4759	<0.0001
CLDN11	0.791	-0.4757	<0.0001
MPRIP	0.894	-0.4753	<0.0001
ABCD3	0.914	-0.4752	<0.0001
MIR429	0.868	-0.4751	0.0234

NCF1B	0.783	-0.475	0.0021
SH3BP5	0.915	-0.4749	<0.0001
ETFBKMT	0.476	-0.4746	<0.0001
SFTPD	0.875	-0.4746	<0.0001
KRT19	0.916	-0.4746	<0.0001
CYLD	0.886	-0.4745	<0.0001
PTMS	0.928	-0.4744	<0.0001
GOLGA8K	0.684	-0.4742	0.0103
MRPL34	0.704	-0.4741	<0.0001
MAGI1	0.934	-0.4741	<0.0001
ANKRD20A7P	0	-0.4737	<0.0001
SCN11A	0.838	-0.4737	<0.0001
KLRC1	0.857	-0.4736	<0.0001
RGS11	0.939	-0.4735	<0.0001
ARHGAP24	0.773	-0.4734	<0.0001
FOSL1	0.856	-0.4734	<0.0001
ATXN8	0	-0.4733	0.0432
PLK3	0.933	-0.4732	<0.0001
MIER1	0.81	-0.4731	<0.0001
LOC100506098	0.428	-0.4728	<0.0001
FDX1P1	0	-0.4726	<0.0001
C11orf71	0.722	-0.4726	<0.0001
COL6A1	0.905	-0.4721	<0.0001
CTSW	0.868	-0.4719	<0.0001
GAS2	0.658	-0.4718	<0.0001
SPATA31A7	0.754	-0.4717	0.0414
ZNF503-AS1	0.859	-0.4715	0.003
AMBP	0.922	-0.4711	<0.0001
NFKBIA	0.877	-0.471	<0.0001
MIR501	0	-0.4709	0.0049
SNORD116-26	0.388	-0.4709	<0.0001
RASSF2	0.893	-0.4708	<0.0001
FAM229A	0.913	-0.4707	0.029

TEC	0.91	-0.4707	<0.0001
TOR4A	0.775	-0.4706	<0.0001
ERMARD	0.675	-0.4704	<0.0001
GSAP	0.795	-0.4704	<0.0001
PDSS2	0.788	-0.4703	<0.0001
GIMAP1	0.916	-0.4702	<0.0001
ARHGEF6	0.817	-0.4701	<0.0001
CPXM2	0.816	-0.47	<0.0001
TESK2	0.914	-0.47	<0.0001
ATG2B	0.925	-0.47	<0.0001
FAM107B	0.613	-0.4699	<0.0001
RBMS1	0.899	-0.4699	<0.0001
TVP23C	0.947	-0.4694	0.0457
SNORD111B	0.57	-0.4693	0.0123
WDFY2	0.897	-0.4693	<0.0001
JAK2	0.855	-0.469	<0.0001
TDRD1	0.788	-0.4689	<0.0001
CAMK2D	0.8	-0.4689	<0.0001
SOX10	0.874	-0.4689	<0.0001
CNDP2	0.786	-0.4688	<0.0001
EPS8L1	0.833	-0.4685	<0.0001
IFI16	0.908	-0.4684	<0.0001
AKAP2	0.923	-0.4683	0.0053
PNPLA4	0.759	-0.4682	<0.0001
MIR1225	0.878	-0.4679	0.0204
ADRB1	0.819	-0.4678	<0.0001
RBM7	0.891	-0.4677	<0.0001
TCF25	0.707	-0.4676	<0.0001
LINC00211	0.236	-0.4675	<0.0001
CLEC19A	0.726	-0.4674	0.0136
SCO1	0.847	-0.4672	<0.0001
SH3GL2	0.884	-0.4671	<0.0001
MIR4776-2	0	-0.467	0.0054

PMEL	0.765	-0.4669	<0.0001
C16orf54	0.896	-0.4669	<0.0001
MNDA	0.856	-0.4668	<0.0001
IGLV1-40	0.346	-0.4667	<0.0001
DPPA4	0.823	-0.4665	<0.0001
NRP2	0.867	-0.4665	<0.0001
ST6GAL1	0.887	-0.4664	<0.0001
CBX3P3	0.424	-0.4663	<0.0001
RPL13P12	0	-0.4661	<0.0001
CCR7	0.865	-0.4661	<0.0001
CHRM3-AS2	0.547	-0.466	<0.0001
IL27	0.859	-0.466	<0.0001
ACY3	0.712	-0.4653	<0.0001
MIR3190	0	-0.4652	0.0045
LOC729305	0.305	-0.4651	0.0027
NCAM2	0.732	-0.465	<0.0001
TNF	0.847	-0.465	<0.0001
APCDD1	0.801	-0.4648	<0.0001
PRR32	0.702	-0.4647	<0.0001
RIPK3	0.677	-0.4645	<0.0001
MIR10A	0.835	-0.4638	0.0002
OLFML1	0.698	-0.4637	<0.0001
THSD4	0.798	-0.4637	<0.0001
EFCC1	0.829	-0.4636	0.0002
NLRP14	0.844	-0.4635	<0.0001
VAV1	0.883	-0.4634	<0.0001
MMP25	0.771	-0.4633	<0.0001
NFX1	0.779	-0.4633	<0.0001
ARHGEF10L	0.88	-0.4633	<0.0001
CLN5	0.791	-0.463	<0.0001
PVRIG	0.837	-0.463	<0.0001
GNRH2	0.905	-0.463	<0.0001
CHRNE	0.906	-0.463	<0.0001

CNBP	0.939	-0.463	<0.0001
SNRK	0.916	-0.4628	<0.0001
TNKS2-AS1	0.558	-0.4625	0.0098
GRHL1	0.885	-0.462	<0.0001
ARAP1-AS2	0.754	-0.4618	0.04
SLFN11	0.73	-0.4616	<0.0001
FTCDNL1	0.702	-0.4615	0.0004
HINT2	0.849	-0.4614	<0.0001
DDX60L	0.748	-0.4613	<0.0001
PARVA	0.859	-0.4613	<0.0001
IFNG-AS1	0.682	-0.4612	0.034
TAB3P1	0.637	-0.4611	0.0117
AIM2	0.791	-0.4611	<0.0001
MIR4676	0	-0.461	0.006
FREM1	0.795	-0.4608	<0.0001
SLC34A1	0.905	-0.4608	<0.0001
SCN9A	0.734	-0.4607	<0.0001
IFT88	0.825	-0.4606	<0.0001
SMIM12	0.799	-0.4604	0.0008
MEG3	0.92	-0.4603	0.0003
GK3P	0.892	-0.4601	0.0003
STRADB	0.829	-0.4601	<0.0001
EFCAB6	0.807	-0.46	<0.0001
TMEM30A	0.808	-0.46	<0.0001
CDKN2AIP	0.85	-0.4599	<0.0001
IGFLR1	0.953	-0.4595	0.0243
ABCD4	0.717	-0.4595	<0.0001
ALKBH7	0.81	-0.4594	<0.0001
LCK	0.876	-0.4593	<0.0001
MGC12916	0.605	-0.4592	0.0015
DES	0.93	-0.4592	<0.0001
LOC100131289	0.113	-0.4591	<0.0001
MFNG	0.901	-0.4591	<0.0001

RN7SKP163	0.292	-0.459	<0.0001
P2RY10	0.858	-0.459	<0.0001
ADSSL1	0.83	-0.4589	<0.0001
TRIM15	0.894	-0.4587	<0.0001
FCAR	0.932	-0.4585	<0.0001
IFI44L	0.871	-0.4584	<0.0001
ANO3	0.785	-0.4583	<0.0001
CHD9	0.809	-0.4582	<0.0001
ODF2L	0.557	-0.4581	<0.0001
OTUD4	0.925	-0.4579	<0.0001
RNA5SP60	0.806	-0.4577	0.0346
C10orf126	0.767	-0.4575	<0.0001
ANKRD44	0.813	-0.4575	<0.0001
MIR645	0.818	-0.4574	0.0249
DGCR6	0.834	-0.4573	<0.0001
DPRXP4	0.134	-0.4572	<0.0001
GZMM	0.871	-0.4572	<0.0001
CD180	0.934	-0.4572	<0.0001
AGMAT	0.768	-0.4569	<0.0001
PRMT9	0.917	-0.4568	0.0411
MAP3K6	0.741	-0.4567	<0.0001
RN7SL552P	0.163	-0.4566	<0.0001
ITCH	0.82	-0.4565	<0.0001
SEBOX	0.747	-0.4563	<0.0001
IL5RA	0.782	-0.456	<0.0001
RABEP1	0.921	-0.456	<0.0001
ITPRIP	0.779	-0.4559	<0.0001
LOC400464	0.434	-0.4558	<0.0001
ALOX12P2	0.926	-0.4557	0.0002
PMP2	0.926	-0.4554	<0.0001
GPR82	0.706	-0.4553	<0.0001
LINC00619	0	-0.4552	<0.0001
SIGLEC14	0.77	-0.4546	<0.0001

CD86	0.937	-0.4546	<0.0001
AGMO	0.803	-0.4545	0.0015
MACF1	0.937	-0.4543	<0.0001
ERLIN2	0.806	-0.4539	<0.0001
SETBP1	0.91	-0.4539	<0.0001
ROPN1L	0.783	-0.4536	<0.0001
CD53	0.896	-0.4535	<0.0001
TVP23B	0.849	-0.4534	0.0017
C5	0.785	-0.4531	<0.0001
CBLN2	0.838	-0.4531	<0.0001
CD300C	0.882	-0.4529	<0.0001
GOLGA6C	0.668	-0.4526	0.0001
NRN1	0.828	-0.4526	<0.0001
PLSCR3	0.953	-0.4525	0.0128
BCL11B	0.907	-0.4523	<0.0001
GPR171	0.919	-0.4522	<0.0001
MCTP2	0.804	-0.4519	<0.0001
CYB5R2	0.841	-0.4518	<0.0001
CASP1	0.842	-0.4516	<0.0001
DCAF5	0.931	-0.4514	0.003
TNFSF14	0.852	-0.4513	<0.0001
WAS	0.888	-0.451	<0.0001
SH3BP2	0.931	-0.4509	<0.0001
ALB	0.919	-0.4506	<0.0001
SH3BGRL2	0.712	-0.4505	<0.0001
TMEM170A	0.873	-0.4504	<0.0001
RSPH10B	0.833	-0.4503	0.0013
SAA3P	0.875	-0.4503	<0.0001
BCKDK	0.889	-0.4499	<0.0001
CPTP	0.898	-0.4498	0.0105
ATG12P2	0	-0.4497	<0.0001
TTY19	0.208	-0.4493	<0.0001
RAD54L2	0.895	-0.4493	<0.0001

SLC25A42	0.805	-0.4492	<0.0001
DAAM2	0.859	-0.4492	<0.0001
KRT7	0.888	-0.4492	<0.0001
GDF7	0.894	-0.4492	<0.0001
WSB1	0.921	-0.4492	<0.0001
CITED2	0.924	-0.4492	<0.0001
TNS1	0.861	-0.4491	<0.0001
BAAT	0.761	-0.449	<0.0001
HOXB4	0.844	-0.449	<0.0001
RET	0.925	-0.4488	<0.0001
TANK	0.864	-0.4487	<0.0001
C3	0.89	-0.4487	<0.0001
ARID4A	0.893	-0.4487	<0.0001
SULT1A4	0.94	-0.4486	0.0247
FCRL2	0.74	-0.4486	<0.0001
NCKAP1L	0.885	-0.4484	<0.0001
PIK3R4	0.792	-0.4483	<0.0001
GRK5-IT1	0	-0.448	<0.0001
ZBTB20-AS1	0.806	-0.4479	0.0023
ZNF32-AS1	0.569	-0.4479	0.0089
SNORD116-11	0.192	-0.4479	<0.0001
SYBU	0.662	-0.4479	<0.0001
TRIM35	0.739	-0.4478	<0.0001
DNMBP	0.868	-0.4478	<0.0001
ATAD3C	0.854	-0.4477	<0.0001
PPIF	0.883	-0.4477	<0.0001
MS4A1	0.815	-0.4476	<0.0001
WDR86	0.863	-0.4476	<0.0001
STARD13-IT1	0.332	-0.4474	<0.0001
CHD1	0.876	-0.4474	<0.0001
AMT	0.908	-0.4473	<0.0001
MIR519E	0.169	-0.4471	<0.0001
ACER2	0.831	-0.4468	<0.0001

PCYOX1	0.8	-0.4467	<0.0001
RILPL2	0.877	-0.4466	0.0001
LOC574538	0.018	-0.4465	<0.0001
WDFY4	0.857	-0.4465	<0.0001
ZBTB4	0.719	-0.4464	<0.0001
IL20RB	0.792	-0.4464	<0.0001
ARMC5	0.807	-0.4464	<0.0001
SAV1	0.731	-0.4463	<0.0001
FXYD2	0.903	-0.4462	<0.0001
NR2F1-AS1	0.742	-0.4461	0.0021
LINC00562	0	-0.446	<0.0001
TMEM263	0.794	-0.4459	0.0028
CCNI	0.863	-0.4459	<0.0001
ZKSCAN7	0.915	-0.4458	0.01
ARL2BPP7	0	-0.4458	<0.0001
AADAC	0.872	-0.4455	<0.0001
NFASC	0.89	-0.4455	<0.0001
ABCG8	0.806	-0.4454	<0.0001
SLC6A19	0.806	-0.4453	<0.0001
MATK	0.852	-0.4451	<0.0001
BEND3P3	0.525	-0.4448	0.0164
SIDT2	0.83	-0.4448	<0.0001
POU2AF1	0.89	-0.4447	<0.0001
RASL11A	0.857	-0.4446	<0.0001
HERC3	0.905	-0.4444	<0.0001
BEAN1	0.782	-0.4443	<0.0001
PCA3	0.776	-0.4442	0.0002
USP12	0.851	-0.4441	<0.0001
RSL24D1P8	0.473	-0.444	<0.0001
MRPL46	0.811	-0.4438	<0.0001
KDR	0.92	-0.4438	<0.0001
MIR199A2	0.78	-0.4437	0.0006
GRAPL	0.77	-0.4436	<0.0001

SLC18A2	0.824	-0.4435	<0.0001
TRAPPC6B	0.845	-0.4434	<0.0001
RNF123	0.858	-0.4434	<0.0001
JMJD1C	0.777	-0.4433	<0.0001
TNFAIP8L2	0.927	-0.4432	0.0003
LOC388282	0	-0.4429	<0.0001
FLT4	0.813	-0.4428	<0.0001
MIR518C	0.027	-0.4426	0.0083
OSBPL9	0.742	-0.4426	<0.0001
RBM26-AS1	0	-0.4422	<0.0001
SLAMF7	0.856	-0.4422	<0.0001
AFAP1L2	0.826	-0.4421	<0.0001
LUC7L	0.886	-0.4421	<0.0001
EEF1B2P5	0	-0.4419	<0.0001
KLF12	0.781	-0.4417	<0.0001
ELOVL6	0.663	-0.4416	<0.0001
EPO	0.933	-0.4416	<0.0001
YTHDF1P1	0.447	-0.4415	<0.0001
PLA2G15	0.743	-0.4414	<0.0001
AQP4	0.924	-0.4414	<0.0001
ALAD	0.89	-0.4413	<0.0001
FAM102A	0.638	-0.4412	<0.0001
ECE1	0.923	-0.4412	<0.0001
MIR1246	0.616	-0.4409	0.0021
ECHDC1	0.625	-0.4409	<0.0001
STAT3	0.918	-0.4409	<0.0001
RNU6-694P	0	-0.4407	<0.0001
CCND1	0.877	-0.4407	<0.0001
HAS2	0.87	-0.4403	<0.0001
OSBPL5	0.706	-0.4402	<0.0001
GAPT	0.818	-0.4402	<0.0001
SNORA20	0.773	-0.4401	<0.0001
RNA5SP266	0.285	-0.44	0.0004

GPLD1	0.872	-0.44	<0.0001
INVS	0.857	-0.4399	<0.0001
C19orf38	0.735	-0.4395	<0.0001
MIR519D	0.538	-0.4391	0.0204
ITFG1	0.863	-0.4391	<0.0001
PTP4A1	0.896	-0.4391	<0.0001
LEMD1-AS1	0.865	-0.4389	0.0137
CASS4	0.822	-0.4388	<0.0001
EXOSC6	0.881	-0.4388	<0.0001
CFAP57	0.658	-0.4387	0.0359
FAM228A	0.622	-0.4387	<0.0001
GUCD1	0.761	-0.4385	0.0002
CMC4	0.622	-0.4385	<0.0001
RAB36	0.756	-0.4385	<0.0001
H6PD	0.846	-0.4384	<0.0001
CWH43	0.677	-0.4383	<0.0001
SNORD116-27	0.043	-0.4382	<0.0001
APOBEC3A	0.878	-0.4382	<0.0001
LSMEM1	0.928	-0.4381	0.0314
GRAMD4	0.864	-0.4381	<0.0001
SNORD119	0.527	-0.438	0.0146
MAL	0.829	-0.438	<0.0001
NHLRC3	0.815	-0.4378	<0.0001
MIR1227	0.848	-0.4375	0.0102
LNP1	0.848	-0.4375	<0.0001
AQP12A	0.88	-0.4374	0.0007
C5AR1	0.895	-0.4368	<0.0001
ACVR2A	0.912	-0.4368	<0.0001
ECI1	0.665	-0.4367	<0.0001
SLC22A3	0.881	-0.4367	<0.0001
SNORD125	0.364	-0.4366	<0.0001
AK4	0.45	-0.4364	<0.0001
PFN1P3	0.349	-0.4362	<0.0001

NDUFAF1	0.79	-0.4362	<0.0001
HIC1	0.874	-0.436	<0.0001
RN7SKP151	0	-0.4359	<0.0001
CD79A	0.801	-0.4359	<0.0001
ERVFRD-1	0.862	-0.4358	0.0031
RNU6-863P	0	-0.4357	<0.0001
COL4A3	0.866	-0.4357	<0.0001
TPT1-AS1	0.874	-0.4356	0.0125
COQ4	0.898	-0.4355	<0.0001
VPS13D	0.75	-0.4353	<0.0001
MIR99AHG	0.463	-0.4352	<0.0001
ZMAT1	0.875	-0.4349	<0.0001
TEX29	0.866	-0.4346	0.003
PRKCH	0.89	-0.4346	<0.0001
LINC00612	0.736	-0.4345	0.0004
HSPD1P9	0.353	-0.4345	<0.0001
HNMT	0.849	-0.4344	<0.0001
SMIM5	0.774	-0.4342	0.0007
RASAL3	0.757	-0.4342	<0.0001
THEMIS	0.843	-0.434	0.0003
RSPH4A	0.844	-0.434	<0.0001
ATP7B	0.844	-0.4336	<0.0001
ERCC6L2	0.839	-0.4335	0.002
CACNA1C-AS1	0.552	-0.4333	0.0106
FAM41AY2	0.031	-0.4326	<0.0001
MROH2A	0.752	-0.4325	0.0002
LILRA4	0.885	-0.4325	<0.0001
MIR3167	0	-0.4324	0.01
MFSD14A	0	-0.4324	<0.0001
SLC22A25	0.846	-0.4323	<0.0001
CD96	0.883	-0.4323	<0.0001
MTERF4	0.893	-0.4322	0.0127
EFEMP2	0.807	-0.4321	<0.0001

CYP2G1P	0.192	-0.4318	<0.0001
UBASH3A	0.791	-0.4312	<0.0001
RN7SKP159	0.245	-0.4311	0.0063
RGS7BP	0.784	-0.4311	<0.0001
CCL3L3	0.736	-0.4308	<0.0001
SS18L1	0.902	-0.4308	<0.0001
SNORD116-20	0.547	-0.4307	0.0496
ERGIC1	0.669	-0.4307	<0.0001
EPSTI1	0.841	-0.4307	<0.0001
ERMN	0.723	-0.4305	<0.0001
AKAP3	0.823	-0.4305	<0.0001
RAPGEF5	0.785	-0.4304	<0.0001
LINC00693	0.496	-0.4303	0.0109
GAB3	0.864	-0.4302	<0.0001
MARC2	0.113	-0.4299	0.0009
PGM5P2	0.78	-0.4297	0.0051
IL18	0.904	-0.4296	<0.0001
ZDHHC11B	0.908	-0.4294	0.0459
TTC7B	0.721	-0.4293	<0.0001
HAR1A	0.758	-0.4293	<0.0001
REL	0.899	-0.4292	<0.0001
HBG2	0.737	-0.4291	<0.0001
N4BP2	0.781	-0.429	<0.0001
ST6GALNAC1	0.768	-0.4289	<0.0001
MIR764	0.453	-0.4287	0.0001
IGLV5-37	0.357	-0.4287	<0.0001
MAP7	0.907	-0.4287	<0.0001
TTY23	0.638	-0.4286	0.0097
TGM2	0.862	-0.4285	<0.0001
TMEM254-AS1	0.854	-0.4283	0.0132
FCRL1	0.802	-0.4282	<0.0001
SH3RF1	0.632	-0.4281	<0.0001
TMEM254	0.862	-0.4279	0.0018

MIR577	0.088	-0.4278	0.0001
LOC400743	0.73	-0.4278	0.0196
PCDH7	0.64	-0.4278	<0.0001
NEU4	0.844	-0.4276	<0.0001
MIR3160-2	0	-0.4274	0.0106
B4GALT1	0.856	-0.427	<0.0001
CFHR1	0.749	-0.4268	<0.0001
CD300E	0.828	-0.4265	<0.0001
LIN7C	0.877	-0.4265	<0.0001
CDHR1	0.872	-0.4262	0.0001
PIP4K2A	0.832	-0.4262	<0.0001
GALNS	0.882	-0.4261	<0.0001
UPP2	0.795	-0.426	<0.0001
PCDH19	0.768	-0.4258	<0.0001
CACNA1C-AS2	0	-0.4256	<0.0001
TRAF3IP3	0.886	-0.4255	<0.0001
TOGARAM2	0	-0.4254	<0.0001
CCDC158	0.665	-0.4253	<0.0001
ARRDC5	0.71	-0.4253	<0.0001
SLC47A1	0.724	-0.425	<0.0001
KLHL6-AS1	0	-0.4249	<0.0001
SH3D19	0.763	-0.4249	<0.0001
PITPNA	0.92	-0.4247	0.0001
RCVRN	0.943	-0.4246	0.0006
ZNF69	0.681	-0.4246	<0.0001
FRMD4A	0.866	-0.4244	<0.0001
CWC25	0.921	-0.4242	0.0044
DNAJC16	0.862	-0.4242	<0.0001
DNAJC22	0.805	-0.4241	<0.0001
AKTIP	0.81	-0.4241	<0.0001
PARP8	0.721	-0.4239	<0.0001
DGCR6L	0.867	-0.4237	<0.0001
ZBTB48	0.919	-0.4236	<0.0001

MIR4780	0.417	-0.4234	0.0119
AMIGO2	0.862	-0.4234	<0.0001
TH	0.953	-0.4233	0.0019
SLC25A28	0.764	-0.4233	<0.0001
RAC2	0.872	-0.4233	<0.0001
BTBD6	0.672	-0.4232	<0.0001
AMY2A	0.86	-0.423	0.0005
CTC1	0.928	-0.423	0.0106
SLC34A2	0.714	-0.423	<0.0001
IGKV2D-40	0.597	-0.4229	0.0031
PKNOX2	0.725	-0.4227	<0.0001
COX6A2	0.852	-0.4226	<0.0001
FCER1G	0.909	-0.4225	<0.0001
TEX44	0	-0.4222	<0.0001
ZC3H14	0.932	-0.422	0.0003
BCORP1	0.605	-0.422	<0.0001
C16orf46	0.937	-0.4219	0.0009
COL4A3BP	0.747	-0.4218	<0.0001
COPZ2	0.762	-0.4218	<0.0001
BMP1	0.933	-0.4216	0.0001
MIR223	0.674	-0.4216	0.0014
MIR3659	0.499	-0.4216	0.0124
KLF10	0.92	-0.4214	<0.0001
C16orf87	0.589	-0.4212	<0.0001
SNORA70F	0.645	-0.4207	0.0073
NCF1C	0.891	-0.4206	0.0311
TSKU	0.747	-0.4205	<0.0001
RUNX1T1	0.858	-0.4205	<0.0001
SNORD14D	0	-0.4204	<0.0001
CD1E	0.922	-0.4203	<0.0001
IFNLR1	0.912	-0.4201	0.0243
FAM85B	0.14	-0.4201	<0.0001
CHIC1	0.66	-0.4201	<0.0001

LIPN	0.551	-0.42	<0.0001
GZMB	0.835	-0.42	<0.0001
SCARNA9	0.88	-0.4199	0.0266
LINC00642	0.892	-0.4199	0.0338
TRGV7	0.639	-0.4198	0.0001
YTHDC1	0.825	-0.4197	<0.0001
RRN3P2	0.899	-0.4195	0.0154
CRYAA	0.897	-0.4195	<0.0001
MAFF	0.925	-0.4195	<0.0001
PPP1R16B	0.831	-0.4194	<0.0001
AK3P2	0	-0.4193	<0.0001
NEIL2	0.858	-0.4193	<0.0001
MAP4K1	0.873	-0.4193	<0.0001
OR52V1P	0	-0.4189	<0.0001
IKZF2	0.724	-0.4188	<0.0001
CNTFR-AS1	0.846	-0.4187	0.0131
FAM221A	0.76	-0.4185	0.0003
FGF12-AS1	0	-0.4184	0.0122
LINC00092	0.841	-0.4184	0.0127
GCSAM	0.81	-0.4182	0.001
HIVEP1	0.927	-0.418	<0.0001
USP6NL	0.656	-0.4179	<0.0001
CTSG	0.814	-0.4178	<0.0001
DLEC1	0.931	-0.4177	<0.0001
HCG23	0.208	-0.4176	0.0001
ADGRE3	0.516	-0.4176	0.0335
MRPS31	0.729	-0.4176	<0.0001
SELENBP1	0.885	-0.4175	<0.0001
MUC22	0.075	-0.4173	<0.0001
MIR451B	0	-0.4171	0.0125
NKAPL	0.64	-0.4165	<0.0001
MLIP	0.202	-0.4164	<0.0001
SH3BGRL	0.893	-0.4162	<0.0001

AKT1	0.901	-0.4161	<0.0001
FPGS	0.938	-0.4158	0.0002
C16orf86	0.679	-0.4158	<0.0001
RNA5SP315	0	-0.4155	0.013
DDAH1	0.664	-0.4155	<0.0001
CNOT6L	0.793	-0.4155	<0.0001
CRBN	0.898	-0.4155	<0.0001
LINC00574	0.874	-0.4152	0.0077
LOC283140	0.095	-0.4152	0.0401
MXRA8	0.672	-0.4151	<0.0001
CCDC88C	0.822	-0.415	<0.0001
KIR2DL2	0.718	-0.4149	<0.0001
NFATC3	0.911	-0.4149	<0.0001
AMN	0.755	-0.4147	<0.0001
GYG2	0.9	-0.4144	<0.0001
AHI1	0.893	-0.4143	<0.0001
LAX1	0.784	-0.414	<0.0001
CTF1	0.871	-0.4139	<0.0001
MIR3689D2	0	-0.4138	0.0133
MIR4776-1	0	-0.4138	0.0134
SASH1	0.729	-0.4137	<0.0001
FLJ42969	0	-0.4135	0.0016
KCND3-AS1	0	-0.4135	<0.0001
LOC100129046	0	-0.4133	0.0057
MIR129-2	0.857	-0.4133	0.0067
APOA4	0.773	-0.4133	<0.0001
MIR1245A	0.32	-0.4132	0.0003
AP1G1	0.916	-0.413	<0.0001
ITPKB-IT1	0.766	-0.4129	0.005
TBX21	0.838	-0.4128	<0.0001
ZFAND5	0.732	-0.4126	<0.0001
TMEM159	0.744	-0.4126	<0.0001
NFE2	0.925	-0.4124	0.0002

SHROOM3	0.66	-0.4123	<0.0001
DDR2	0.899	-0.4121	<0.0001
LINC01586	0	-0.4114	<0.0001
PHACTR2	0.913	-0.4113	<0.0001
KIF13B	0.797	-0.4112	<0.0001
LMBRD1	0.822	-0.4112	<0.0001
SPATA46	0	-0.4111	<0.0001
L3MBTL3	0.809	-0.4111	<0.0001
PRCD	0.822	-0.4111	<0.0001
POU6F2	0.855	-0.4111	<0.0001
TRGV3	0.079	-0.411	<0.0001
ND4	0.859	-0.4109	0.0462
HBG1	0.737	-0.4109	<0.0001
SMIM1	0.596	-0.4107	0.0001
SNORD105	0.643	-0.4103	0.0015
FAM74A3	0.65	-0.41	0.0019
RCAN2	0.681	-0.41	<0.0001
TLR8	0.79	-0.41	<0.0001
HSH2D	0.804	-0.41	<0.0001
TPSAB1	0.664	-0.4099	<0.0001
MRPS6	0.834	-0.4099	<0.0001
PTGS1	0.878	-0.4099	<0.0001
ACE2	0.828	-0.4097	<0.0001
METRNL	0.834	-0.4095	<0.0001
SLC24A3	0.834	-0.4094	<0.0001
CEACAM3	0.887	-0.4094	<0.0001
MIR607	0	-0.4093	0.0004
GJB3	0.805	-0.4093	<0.0001
ACOT13	0.846	-0.4093	<0.0001
SNORD107	0.216	-0.4092	<0.0001
INSIG2	0.753	-0.409	<0.0001
ANKRD20A11P	0.754	-0.4088	0.0009
PLEK2	0.605	-0.4088	<0.0001

CX3CR1	0.875	-0.4088	<0.0001
MIRLET7E	0.52	-0.4086	0.0066
PNPLA3	0.889	-0.4085	<0.0001
P2RY1	0.705	-0.4084	<0.0001
UBXN10	0.763	-0.4084	<0.0001
UQCRC2	0.891	-0.4083	<0.0001
NCRUPAR	0	-0.4082	0.0085
SNX18P9	0.414	-0.4082	<0.0001
RNF212	0.778	-0.408	<0.0001
NXF1	0.915	-0.4079	0.0001
XXYLT1-AS2	0	-0.4079	<0.0001
SERPINC1	0.879	-0.4075	<0.0001
ROPN1B	0.87	-0.4074	<0.0001
FIGN	0.901	-0.4074	<0.0001
OR1D4	0.581	-0.4073	<0.0001
LRRC7	0.833	-0.4073	<0.0001
UBE2L6	0.882	-0.4072	<0.0001
CDK10	0.926	-0.4071	0.0001
NOXO1	0.728	-0.4071	<0.0001
KALRN	0.658	-0.407	<0.0001
RNA5SP475	0.074	-0.4067	0.0011
CLIC2	0.892	-0.4065	<0.0001
RAG1	0.894	-0.4065	<0.0001
NHEG1	0	-0.4063	<0.0001
GPR183	0.84	-0.4063	<0.0001
GOLGA6B	0.848	-0.4062	0.0008
NEGR1	0.812	-0.4062	<0.0001
SPI1	0.887	-0.4062	<0.0001
MIR99A	0.222	-0.4059	<0.0001
FAM153B	0.722	-0.4057	<0.0001
DSG1	0.914	-0.4057	<0.0001
MIR3974	0	-0.4056	0.0151
ZNF511	0.879	-0.4055	<0.0001

HBD	0.931	-0.4052	0.0002
EDN2	0.891	-0.4052	<0.0001
ZNF471	0.87	-0.4051	<0.0001
HMOX2	0.894	-0.4049	<0.0001
NAP1L3	0.916	-0.4049	<0.0001
MMP21	0.867	-0.4048	<0.0001
MIR23B	0.862	-0.4047	0.0058
CMTM5	0.867	-0.4047	<0.0001
PPA2	0.619	-0.4046	<0.0001
PER2	0.789	-0.4043	<0.0001
GATA5	0.83	-0.404	<0.0001
ITGB8	0.935	-0.4037	0.0003
ZNF341-AS1	0.471	-0.4037	<0.0001
LOC100508046	0	-0.4036	0.0064
HERC6	0.703	-0.4036	<0.0001
ZNF688	0.751	-0.4034	<0.0001
S100A9	0.87	-0.4034	<0.0001
CALM1	0.889	-0.4032	<0.0001
BTK	0.915	-0.403	<0.0001
CPOX	0.926	-0.4029	0.0002
PCDH9-AS1	0.061	-0.4029	0.0065
SMAD1-AS2	0.665	-0.4024	0.0016
KDM5C-IT1	0	-0.4021	<0.0001
TNFRSF13B	0.871	-0.402	<0.0001
EML1	0.902	-0.402	<0.0001
BHLHA9	0.409	-0.4017	<0.0001
COX14	0.823	-0.4015	0.0027
POM121L1P	0.506	-0.4014	0.0002
KCNJ13	0.661	-0.4012	<0.0001
CREB3L3	0.822	-0.4012	<0.0001
PRAMEF22	0.287	-0.4011	<0.0001
MIR133A1HG	0.772	-0.4008	0.002
UAP1	0.881	-0.4008	<0.0001

PACRG	0.767	-0.4006	<0.0001
WDR7	0.671	-0.4005	<0.0001
IFIT1	0.879	-0.4002	<0.0001
MYC	0.897	-0.4001	<0.0001
ANKRD44-IT1	0.854	-0.4	0.0275
PWRN2	0.337	-0.4	<0.0001
CLEC4E	0.664	-0.4	<0.0001
RSL24D1P11	0.041	-0.3999	<0.0001
MAP3K5	0.855	-0.3998	<0.0001
NFE2L2	0.915	-0.3994	0.0001
LOC389765	0.328	-0.3994	<0.0001
HNRNPDL	0.929	-0.3993	0.036
ENTPD5	0.84	-0.3993	<0.0001
PAXBP1	0.939	-0.3992	0.0469
FAM224B	0	-0.3992	<0.0001
AOC4P	0.895	-0.3991	0.0401
TMEM184A	0.845	-0.3991	<0.0001
DLG4	0.936	-0.399	0.0003
FGF14-IT1	0.853	-0.399	0.0264
PARP9	0.649	-0.399	<0.0001
ACOX3	0.787	-0.399	<0.0001
HSDL2	0.802	-0.399	<0.0001
STARD13	0.75	-0.3989	<0.0001
SLC17A9	0.897	-0.3988	0.0006
PARP3	0.875	-0.3988	<0.0001
LINC00487	0.528	-0.3987	<0.0001
SNAI1	0.879	-0.3986	<0.0001
CTBP2	0.843	-0.3985	<0.0001
MXI1	0.918	-0.3981	0.0001
SLC44A2	0.872	-0.3981	<0.0001
ADGRG4	0	-0.398	<0.0001
WDR59	0.891	-0.3979	<0.0001
KLK10	0.887	-0.3978	<0.0001

RGPD5	0.83	-0.3977	0.001
ESD	0.647	-0.3977	<0.0001
IKZF3	0.814	-0.3977	<0.0001
SORCS2	0.743	-0.3976	<0.0001
PAN2	0.918	-0.3975	0.0014
FLVCR2	0.647	-0.3975	<0.0001
UNC5C	0.9	-0.3975	<0.0001
LRP5L	0.907	-0.3974	<0.0001
RN7SL868P	0	-0.3972	<0.0001
GABBR1	0.918	-0.3972	<0.0001
CDKN1C	0.867	-0.3971	<0.0001
GPR174	0.699	-0.397	<0.0001
GDPD4	0.846	-0.397	<0.0001
LOC101928651	0	-0.3967	<0.0001
CPO	0.891	-0.3967	<0.0001
SLFN12L	0.705	-0.3966	<0.0001
MIR1237	0.585	-0.3965	0.0001
FSD1	0.826	-0.3965	<0.0001
CRADD	0.897	-0.3965	<0.0001
PROSER2	0.671	-0.3964	0.0001
LOC389906	0.676	-0.3963	<0.0001
GP1BA	0.916	-0.3963	<0.0001
FLRT3	0.788	-0.3961	<0.0001
EVC	0.881	-0.396	<0.0001
SOD1	0.917	-0.3959	0.0002
LOC400499	0.638	-0.3959	0.0085
LOC643441	0.164	-0.3959	<0.0001
CCDC151	0.831	-0.3959	<0.0001
SERPINE1	0.895	-0.3959	<0.0001
MICALL2	0.838	-0.3958	<0.0001
CPZ	0.878	-0.3957	<0.0001
BEX4	0.909	-0.3956	<0.0001
FLJ22447	0.343	-0.3955	<0.0001

PLA2G4A	0.874	-0.3955	<0.0001
SP110	0.814	-0.3951	<0.0001
ADARB1	0.906	-0.3951	<0.0001
INPP5D	0.868	-0.395	<0.0001
TGFB3	0.898	-0.395	<0.0001
OR7E130P	0	-0.3949	<0.0001
RPL34-AS1	0.299	-0.3947	<0.0001
PI16	0.692	-0.3947	<0.0001
ETHE1	0.848	-0.3947	<0.0001
LINC00526	0.53	-0.3946	<0.0001
AHDC1	0.901	-0.3946	<0.0001
RPL21P44	0.676	-0.3945	0.0037
LOC100286922	0.724	-0.3945	0.0422
ANKRD20A9P	0.367	-0.3943	<0.0001
UBE2E2	0.683	-0.3943	<0.0001
UFSP2	0.759	-0.3942	<0.0001
TST	0.86	-0.3942	<0.0001
LOC728989	0.838	-0.394	0.0142
SNORA35	0.64	-0.3936	0.0002
DENND1C	0.867	-0.3936	<0.0001
ZNF18	0.821	-0.3935	<0.0001
MTO1	0.787	-0.3933	<0.0001
SPN	0.909	-0.3933	<0.0001
BNC1	0.717	-0.3932	<0.0001
CCM2	0.799	-0.3932	<0.0001
MMP7	0.905	-0.3932	<0.0001
SETD3	0.825	-0.3931	<0.0001
HSCB	0.834	-0.3931	<0.0001
ZBED1	0.934	-0.393	0.0009
FAM25C	0.731	-0.3928	0.0002
TTY18	0.708	-0.3928	0.0055
SEMA4D	0.87	-0.3928	<0.0001
SNX25	0.716	-0.3927	<0.0001

LOC100128006	0	-0.3925	0.0036
RNU6-53P	0.257	-0.3925	<0.0001
MIR548A2	0	-0.3922	0.0006
FAM74A4	0.849	-0.3921	0.0075
SCN3A	0.656	-0.3921	<0.0001
LOC646938	0.86	-0.392	0.0113
SIDT1-AS1	0	-0.392	<0.0001
STARD13-AS	0.801	-0.3919	0.032
HSD17B8	0.888	-0.3919	<0.0001
SLC27A6	0.821	-0.3918	<0.0001
PLA1A	0.689	-0.3915	<0.0001
RNY4P30	0	-0.3913	0.0016
TCF7L2	0.897	-0.3913	<0.0001
ZDHHC8	0.892	-0.3911	0.0001
SLC39A12	0.77	-0.391	<0.0001
SCNN1D	0.894	-0.391	<0.0001
MPRIP-AS1	0.357	-0.3908	<0.0001
S1PR1	0.839	-0.3907	<0.0001
MIR503	0.801	-0.3906	0.028
KCTD12	0.9	-0.3906	<0.0001
MIR371B	0	-0.3903	0.0196
ADM	0.898	-0.3902	<0.0001
FUCA1	0.935	-0.3901	0.0005
SGCB	0.749	-0.39	<0.0001
ARHGEF10	0.848	-0.39	<0.0001
PEX14	0.904	-0.3898	<0.0001
EMB	0.678	-0.3894	<0.0001
KRT126P	0.254	-0.3893	<0.0001
XRN1	0.882	-0.3893	<0.0001
LOC101928323	0	-0.3892	<0.0001
SNORA54	0.869	-0.3888	0.0277
CYCSP34	0.331	-0.3888	<0.0001
KRCC1	0.566	-0.388	<0.0001

THNSL1	0.719	-0.3879	<0.0001
FAM25A	0.753	-0.3878	<0.0001
LOC101929662	0	-0.3877	<0.0001
C10orf105	0.737	-0.3877	<0.0001
OCIAD2	0.721	-0.3875	<0.0001
ISOC2	0.815	-0.3875	<0.0001
CLECL1	0.843	-0.3874	<0.0001
CADM3	0.878	-0.3874	<0.0001
ENDOG	0.848	-0.3873	<0.0001
MMAB	0.439	-0.3871	<0.0001
ZBTB43	0.894	-0.3871	<0.0001
PCSK2	0.938	-0.387	0.0017
LINC00596	0.655	-0.387	0.0105
MIR3074	0	-0.3868	0.0174
RN7SL748P	0	-0.3867	<0.0001
RANBP6	0.777	-0.3867	<0.0001
DHX32	0.762	-0.3866	<0.0001
MACC1	0.809	-0.3865	<0.0001
ZNF276	0.902	-0.3864	0.0001
PNISR	0.927	-0.3863	0.0178
MIR3675	0	-0.3862	0.0212
GSTA3	0.889	-0.3862	<0.0001
TSEN15P2	0	-0.3858	<0.0001
LOC100507395	0.368	-0.3858	<0.0001
TCEAL3	0.82	-0.3858	<0.0001
C8orf58	0.874	-0.3858	<0.0001
NPR1	0.914	-0.3856	0.0002
MIR1260B	0	-0.3854	0.0089
ALOX5	0.818	-0.3854	<0.0001
ZNRF2P2	0	-0.3852	<0.0001
CLEC11A	0.888	-0.3851	<0.0001
MS4A4A	0.924	-0.385	0.0004
ZBP1	0.705	-0.3849	<0.0001

CEACAM4	0.915	-0.3849	<0.0001
OAS1	0.859	-0.3844	<0.0001
CDKN1A	0.884	-0.3844	<0.0001
LAT	0.945	-0.3843	0.0025
RPL26P9	0	-0.3841	<0.0001
KLRC2	0.547	-0.384	<0.0001
FAM43B	0.865	-0.3838	<0.0001
CLDN8	0.602	-0.3837	<0.0001
TEX21P	0.6	-0.3835	0.0334
TET2	0.89	-0.3834	0.0009
APBB1IP	0.782	-0.3832	<0.0001
LOC442497	0.298	-0.3831	0.0064
SEC14L3	0.794	-0.3831	<0.0001
RNF223	0.566	-0.383	0.0084
GSTM2P1	0.704	-0.3829	0.0017
GNG11	0.903	-0.3829	<0.0001
GBP4	0.824	-0.3825	<0.0001
CAMTA2	0.9	-0.3824	<0.0001
MGST2	0.904	-0.3824	<0.0001
TXNIP	0.907	-0.3822	0.0002
SUPT20HL1	0	-0.3822	<0.0001
PHKA1P1	0	-0.382	<0.0001
KLF7	0.862	-0.382	<0.0001
METRN	0.777	-0.3819	<0.0001
EVL	0.884	-0.3819	<0.0001
CRAT	0.912	-0.3818	<0.0001
KCTD21-AS1	0.112	-0.3816	<0.0001
ACTR3C	0.858	-0.3814	0.0006
CASP4	0.943	-0.3808	0.0011
POU2F2	0.838	-0.3808	<0.0001
MBD4	0.838	-0.3808	<0.0001
C19orf71	0.774	-0.3807	<0.0001
ADAP1	0.809	-0.3807	<0.0001

CD3E	0.896	-0.3805	<0.0001
LINC00311	0.774	-0.3804	0.0016
B3GNT7	0.815	-0.3804	<0.0001
KANK1	0.858	-0.3804	<0.0001
ABHD5	0.868	-0.3803	<0.0001
UNQ6494	0.447	-0.3801	0.0001
ASB10	0.887	-0.3801	<0.0001
FAM20C	0.777	-0.3799	<0.0001
MIA2	0.874	-0.3799	<0.0001
GGTLC2	0.764	-0.3798	<0.0001
PHACTR2-AS1	0	-0.3797	<0.0001
CMTM2	0.797	-0.3797	<0.0001
SMPDL3A	0.853	-0.3797	<0.0001
GYPC	0.912	-0.3797	<0.0001
MIR202	0.734	-0.3796	0.0107
LRRC29	0.768	-0.3796	<0.0001
ADCY10	0.655	-0.3794	<0.0001
EBPL	0.795	-0.3791	<0.0001
NRAP	0.878	-0.3789	<0.0001
LINC00391	0.563	-0.3788	0.0353
EGFR	0.849	-0.3788	<0.0001
RN7SL551P	0	-0.3784	<0.0001
KLHL8	0.824	-0.3783	<0.0001
MIR300	0.341	-0.378	<0.0001
LOC100130950	0.601	-0.3779	0.0021
AKAP11	0.792	-0.3779	<0.0001
LINC01378	0.485	-0.3778	<0.0001
KIR3DL3	0.703	-0.3778	<0.0001
PTGER4	0.903	-0.3777	0.0001
MIR1178	0.143	-0.3777	<0.0001
LOC100130701	0	-0.3776	0.0083
COX1	0.723	-0.3776	0.0293
SLC39A2	0.878	-0.3776	<0.0001

SNORD82	0.467	-0.3775	0.0011
ARSF	0.756	-0.3774	<0.0001
CAPS2	0.809	-0.3772	<0.0001
IL6	0.881	-0.3772	<0.0001
SNORD50B	0.454	-0.3771	0.0002
LINC00865	0.483	-0.3771	<0.0001
FOXA3	0.663	-0.3771	<0.0001
LOC100130849	0.408	-0.377	0.0008
SLC4A10	0.836	-0.377	<0.0001
TNFRSF10C	0.895	-0.3767	0.0002
TRPC2	0.816	-0.3767	<0.0001
CRP	0.866	-0.3766	<0.0001
CARD11	0.723	-0.3765	<0.0001
B3GALT5	0.789	-0.3764	<0.0001
MIR346	0.693	-0.3763	0.0203
SPRY4	0.745	-0.3763	<0.0001
MCCC2	0.898	-0.3763	<0.0001
CACNA1H	0.864	-0.3762	<0.0001
CAMP	0.891	-0.376	<0.0001
HECTD3	0.907	-0.376	<0.0001
OR10J2P	0	-0.3759	<0.0001
RSAD2	0.876	-0.3758	<0.0001
COL18A1-AS2	0	-0.3757	<0.0001
MYCBP2-AS2	0.486	-0.3756	<0.0001
HCST	0.928	-0.3754	0.0011
GHITM	0.67	-0.3754	<0.0001
ALDH1L1	0.909	-0.3753	<0.0001
MIR4688	0	-0.3752	<0.0001
RWDD4	0.748	-0.3752	<0.0001
ST3GAL5	0.693	-0.3751	<0.0001
SASH3	0.81	-0.3751	<0.0001
DMTN	0.781	-0.3749	0.0008
TPSB2	0.541	-0.3749	<0.0001

C5orf49	0.452	-0.3748	<0.0001
COX5BP3	0	-0.3746	<0.0001
SIRPAP1	0.369	-0.3746	<0.0001
USP2	0.76	-0.3745	<0.0001
RASA3	0.854	-0.3745	<0.0001
NNT	0.815	-0.3744	<0.0001
EFCAB1	0.656	-0.3742	<0.0001
CLEC12B	0.82	-0.3741	<0.0001
RNA5SP482	0.021	-0.374	0.0025
ALAS2	0.923	-0.3736	0.0002
MIR575	0.534	-0.3735	0.0453
TBC1D9	0.869	-0.3735	<0.0001
MBIP	0.697	-0.3729	<0.0001
RORB	0.865	-0.3728	<0.0001
STAT2	0.934	-0.3726	0.0013
HSD17B10	0.887	-0.3725	<0.0001
TCL1A	0.883	-0.3723	<0.0001
SHF	0.774	-0.372	<0.0001
MIR605	0.381	-0.3717	0.0008
FAM224A	0.825	-0.3715	0.0093
CAB39L	0.758	-0.3715	<0.0001
MTRNR2L10	0.504	-0.3714	0.0196
FBXO15	0.712	-0.3712	<0.0001
C1orf210	0.891	-0.3711	0.0003
TRIM66	0.93	-0.3709	0.0023
RHOH	0.915	-0.3708	0.0003
BST2	0.865	-0.3707	<0.0001
RNU6-709P	0	-0.3704	0.0182
RPL23AP50	0	-0.3704	<0.0001
LOC645202	0.133	-0.3704	<0.0001
INSIG1	0.875	-0.3704	<0.0001
RN7SL283P	0.216	-0.3702	0.0185
IGHV1-69	0.741	-0.3701	0.0025

GLYATL3	0.577	-0.3701	<0.0001
MSMO1	0.513	-0.37	<0.0001
OASL	0.855	-0.37	<0.0001
KIR2DS3	0.84	-0.3699	0.0006
NUDT9	0.643	-0.3698	<0.0001
ALOX5AP	0.831	-0.3698	<0.0001
OAS2	0.896	-0.3697	<0.0001
IFT122	0.874	-0.3695	<0.0001
SLC7A4	0.844	-0.3694	<0.0001
LIG4	0.916	-0.3693	0.0002
CTAGE11P	0.851	-0.3693	0.0101
PAN3-AS1	0.791	-0.3693	0.028
LINC00994	0.214	-0.3693	<0.0001
NCOA7	0.854	-0.3693	<0.0001
ACKR2	0.73	-0.3689	0.0007
IGLV3-19	0.864	-0.3689	0.0155
GYG2P1	0.57	-0.3688	0.0259
TTY21	0.247	-0.3688	<0.0001
SCARNA2	0.587	-0.3688	<0.0001
CXorf21	0.79	-0.3688	<0.0001
MIR188	0.595	-0.3686	0.0021
PRSS3P1	0.156	-0.3685	<0.0001
ZC3H12A	0.817	-0.3684	<0.0001
SLA2	0.867	-0.3684	<0.0001
CCDC152	0.584	-0.3679	<0.0001
PEX11A	0.884	-0.3677	<0.0001
RN7SL834P	0.55	-0.3676	0.0259
MSR1	0.915	-0.3675	0.0008
CD84	0.798	-0.3674	<0.0001
ORMDL3	0.811	-0.3674	<0.0001
WIPF1	0.91	-0.3673	0.0003
TYROBP	0.925	-0.3673	0.0008
PTCRA	0.89	-0.3671	<0.0001

PGAM1P11	0	-0.367	<0.0001
MTUS1	0.91	-0.3669	0.0003
MIR509-3	0	-0.3665	0.0085
MAG	0.903	-0.3665	<0.0001
PPP1R2P6	0	-0.3664	<0.0001
AKIRIN1	0.87	-0.3663	0.0001
TRIM10	0.714	-0.3663	<0.0001
CLEC4A	0.794	-0.3663	<0.0001
LOC728853	0.361	-0.3661	0.0319
PCOLCE-AS1	0.873	-0.366	0.0498
ANOS2P	0	-0.3658	<0.0001
KIR2DL1	0.876	-0.3658	<0.0001
MIPEP	0.894	-0.3658	<0.0001
GNG7	0.819	-0.3657	<0.0001
PAN3	0.869	-0.3654	0.0001
TCAIM	0.848	-0.3653	0.0116
LOC101929622	0	-0.3653	<0.0001
PIWIL4	0.821	-0.365	<0.0001
RUBCNL	0	-0.3648	<0.0001
OSBPL6	0.666	-0.3647	<0.0001
IL24	0.903	-0.3647	<0.0001
FAM27E2	0.315	-0.3646	0.0007
CACNB2	0.906	-0.3646	<0.0001
MYO16	0.919	-0.3644	0.0013
D2HGDH	0.823	-0.3643	<0.0001
CAPZA3	0.851	-0.3643	<0.0001
C11orf97	0.574	-0.3642	0.0008
C17orf107	0.773	-0.3641	0.0036
STON1	0.721	-0.364	<0.0001
BMP2K	0.886	-0.364	<0.0001
SHTN1	0.031	-0.3639	<0.0001
CDK3	0.958	-0.3637	0.0279
TKFC	0.1	-0.3636	<0.0001

CMKLR1	0.891	-0.3636	<0.0001
IFI44	0.779	-0.3635	<0.0001
ETFA	0.896	-0.3635	<0.0001
LINC00313	0.454	-0.3634	<0.0001
CPT1A	0.904	-0.3634	<0.0001
PRR5-ARHGAP8	0.691	-0.3633	0.0063
LCP1	0.823	-0.3632	<0.0001
CSF2RB	0.912	-0.3631	0.0001
CD79B	0.913	-0.3631	0.0001
POMC	0.924	-0.3631	0.0008
RNU2-7P	0.572	-0.3631	0.0083
LOC100506422	0.23	-0.363	0.0006
TDGF1P6	0	-0.3629	<0.0001
IRF9	0.944	-0.3628	0.0038
ANPEP	0.845	-0.3627	<0.0001
CDHR5	0.656	-0.3624	<0.0001
WDR64	0.663	-0.3624	<0.0001
C1orf21	0.806	-0.3623	<0.0001
UNC93A	0.835	-0.3623	<0.0001
LINC00302	0.824	-0.3622	0.0198
TMX3	0.903	-0.3621	0.0041
ZMAT3	0.75	-0.3618	<0.0001
MIR4318	0.473	-0.3617	0.031
PTPRCAP	0.848	-0.3617	<0.0001
NR1H3	0.89	-0.3615	0.0002
ZNF483	0.749	-0.3615	<0.0001
ERMAP	0.83	-0.3615	<0.0001
LINC00671	0.739	-0.3614	0.0053
CBX1P2	0	-0.3613	<0.0001
MS4A3	0.624	-0.3613	<0.0001
MIR4503	0	-0.3612	0.0303
ERICH1	0.86	-0.3611	<0.0001
SOX15	0.897	-0.3608	0.0002

APOC4-APOC2	0.303	-0.3608	0.0008
TRAPPC3L	0.761	-0.3608	0.0016
SIRPB1	0.853	-0.3607	<0.0001
N4BP1	0.541	-0.3606	<0.0001
JADE1	0.869	-0.3604	0.0206
MIR487A	0	-0.3603	0.0001
GUCY2EP	0.58	-0.3602	0.0462
PEX13	0.89	-0.3601	0.0001
USP17L12	0.492	-0.36	0.0128
SHANK2-AS1	0	-0.36	<0.0001
R3HCC1	0.672	-0.36	<0.0001
MRGPRG	0.791	-0.3598	0.002
MMADHC	0.763	-0.3596	<0.0001
TRIM14	0.888	-0.3596	<0.0001
ADIPOR2	0.89	-0.3596	<0.0001
SDC4	0.898	-0.3595	0.0002
MYEOV	0.803	-0.3594	<0.0001
C8G	0.872	-0.3591	<0.0001
ZNF654	0.889	-0.359	0.0002
BZW1	0.93	-0.3588	0.0013
NRON	0	-0.3588	<0.0001
LINC01565	0.148	-0.3587	<0.0001
DZIP1	0.581	-0.3587	<0.0001
MIR4686	0.48	-0.3586	<0.0001
AURKC	0.723	-0.3585	<0.0001
ANK2	0.926	-0.3583	0.0005
PLEKHG1	0.699	-0.3583	<0.0001
SLC35A1	0.93	-0.358	0.0027
MIR762	0.455	-0.358	0.0176
AKAIN1	0	-0.3578	<0.0001
AMY2B	0.925	-0.3577	0.0072
LCMT1-AS2	0	-0.3577	<0.0001
SLIT2	0.728	-0.3577	<0.0001

LAT2	0.816	-0.3577	<0.0001
ZNF839P1	0	-0.3574	<0.0001
LSR	0.856	-0.357	<0.0001
DEFB105B	0.769	-0.3569	0.0065
TSC22D2	0.907	-0.3568	0.0004
PPP2R2D	0.814	-0.3568	<0.0001
HLA-DRB6	0.861	-0.3567	0.0001
IL20RB-AS1	0.371	-0.3567	<0.0001
LINC00954	0.672	-0.3566	0.0022
MIR1184-1	0	-0.3564	0.0322
ELP2	0.806	-0.3562	<0.0001
AP4S1	0.816	-0.3562	<0.0001
COPG2IT1	0.608	-0.3561	0.0001
CXorf66	0.686	-0.3561	0.0014
SLC25A14P1	0.431	-0.3559	<0.0001
MPHOSPH8	0.89	-0.3557	0.0004
IQCJ-SCHIP1-AS1	0.778	-0.3557	0.0117
RPS7P14	0	-0.3557	<0.0001
CDRT15P1	0.571	-0.3556	0.038
LINC01149	0.129	-0.3556	<0.0001
ELMO3	0.731	-0.3556	<0.0001
SEMA4B	0.838	-0.3556	<0.0001
SNCA	0.91	-0.3555	0.0004
TLR10	0.753	-0.3555	<0.0001
MAGEH1	0.726	-0.3554	<0.0001
CD6	0.911	-0.3553	0.0002
HCAR2	0.654	-0.3553	0.0007
MICALCL	0.693	-0.3553	<0.0001
RPL36AP33	0.605	-0.355	0.0057
MIR4252	0	-0.355	0.0341
LOC283299	0.466	-0.3547	0.0245
STT3A-AS1	0	-0.3545	0.0342
SLC25A4	0.823	-0.3545	<0.0001

MYRIP	0.909	-0.3544	0.0005
ARID5A	0.887	-0.3544	<0.0001
HLX	0.76	-0.3541	<0.0001
ST3GAL1	0.909	-0.354	0.0005
SERPINF1	0.897	-0.3539	0.0004
MEI4	0	-0.3539	<0.0001
FAM160A2	0.911	-0.3538	0.0022
IAPP	0.788	-0.3537	<0.0001
FAM30A	0.621	-0.3532	<0.0001
IL9RP3	0	-0.353	<0.0001
ZCCHC14	0.906	-0.3528	0.0005
XKR4	0.777	-0.3528	<0.0001
TMIGD2	0.735	-0.3527	<0.0001
LOC100128770	0	-0.3526	0.0025
SCTR	0.88	-0.3526	<0.0001
IFT43	0.811	-0.3525	0.0065
C6orf141	0.622	-0.3525	<0.0001
SMC5	0.864	-0.3525	<0.0001
TNFSF8	0.889	-0.3524	0.0001
MIR517A	0	-0.3523	0.0344
CEACAM21	0.82	-0.3521	<0.0001
IGLJ6	0	-0.3518	<0.0001
C2orf42	0.792	-0.3518	<0.0001
SCARNA17	0.898	-0.3517	0.0245
NCMAP	0.76	-0.3517	0.0282
LMO7	0.66	-0.3517	<0.0001
S1PR5	0.68	-0.3515	<0.0001
GGTLC1	0.875	-0.3514	0.0005
EVC2	0.951	-0.3513	0.0103
HDHD5	0	-0.3513	<0.0001
SLC25A36	0.772	-0.3513	<0.0001
MAFB	0.86	-0.3513	<0.0001
HLA-DOA	0.92	-0.351	0.0004

TYRO3P	0.893	-0.351	0.0116
DPP7	0.662	-0.351	<0.0001
TNIK	0.758	-0.351	<0.0001
RSPH10B2	0.905	-0.3509	0.0428
RN7SL213P	0.473	-0.3508	<0.0001
TMPRSS11CP	0	-0.3507	<0.0001
FAM171A1	0.116	-0.3507	<0.0001
RTP3	0.743	-0.3507	<0.0001
TTY14	0.721	-0.3506	0.0002
GUSBP5	0.622	-0.3506	0.0003
KIF12	0.815	-0.3506	<0.0001
MTND2P12	0.11	-0.3505	<0.0001
OCIAD1	0.694	-0.3505	<0.0001
ARHGEF19-AS1	0	-0.3504	0.0171
SNHG14	0.418	-0.3502	<0.0001
NCR3	0.758	-0.3501	<0.0001
MIR631	0	-0.35	0.0007
CCDC39	0.867	-0.35	0.0007
TRAPPC8	0.821	-0.3499	0.0005
LOC391092	0.464	-0.3498	0.0005
FAM76B	0.903	-0.3497	0.0006
GNGT2	0.892	-0.3496	0.0001
DYNLRB2	0.753	-0.3496	<0.0001
RNA5SP224	0	-0.3495	0.0047
FAM83E	0.731	-0.3495	<0.0001
FLJ42393	0.687	-0.3494	0.0011
MON2	0.91	-0.3493	0.0009
GGT3P	0.821	-0.3493	0.0036
ELF2	0.918	-0.3492	0.0004
RASSF9	0.853	-0.3491	0.0003
LINC00307	0.569	-0.3491	0.0072
GRTP1	0.806	-0.3489	<0.0001
COQ2	0.816	-0.3488	<0.0001

SRL	0.779	-0.3486	<0.0001
DST	0.883	-0.3486	<0.0001
LOC100996437	0	-0.3485	0.0368
NRIR	0	-0.3485	<0.0001
TRDV2	0.23	-0.3484	<0.0001
NFATC2	0.826	-0.3484	<0.0001
CRY2	0.933	-0.3483	0.0013
REERG	0.736	-0.3482	<0.0001
POM121L8P	0.683	-0.3481	0.0003
LINC01743	0.448	-0.3478	<0.0001
OR5AK2	0.824	-0.3477	0.0003
LRRTM3	0.492	-0.3477	<0.0001
LOC646471	0.651	-0.3476	0.0026
PCF11	0.912	-0.3475	0.0011
CBWD3	0.903	-0.3475	0.0222
CDY1	0.619	-0.3474	<0.0001
DSTNP1	0	-0.3473	<0.0001
TAGLN	0.86	-0.3471	<0.0001
ENOSF1	0.915	-0.3469	0.0003
SYNE2	0.92	-0.3468	0.0012
ZBTB20	0.931	-0.3468	0.0022
INPP5K	0.708	-0.3468	<0.0001
UNC5CL	0.811	-0.3467	0.0001
MIR655	0.388	-0.3467	0.0018
LOC100303749	0.129	-0.3467	0.0288
FGFBP2	0.563	-0.3466	<0.0001
SLC5A7	0.821	-0.3466	<0.0001
CFH	0.885	-0.3466	<0.0001
RNF11	0.796	-0.3465	<0.0001
APOBEC3C	0.842	-0.3465	<0.0001
MORC3	0.816	-0.3462	<0.0001
BATF3	0.838	-0.3462	<0.0001
LOC100505921	0.385	-0.3461	0.0304

FUT3	0.914	-0.346	0.0003
LINC01043	0.41	-0.346	<0.0001
ZC3H12C	0.834	-0.3459	0.0002
SIDT1	0.755	-0.3459	<0.0001
AKAP13	0.896	-0.3459	<0.0001
LINC00161	0.869	-0.3458	0.025
GBP1P1	0.853	-0.3457	0.0474
LOC101928370	0	-0.3457	<0.0001
F13B	0.883	-0.3456	<0.0001
SELPLG	0.904	-0.3454	0.0004
ASMTL	0.941	-0.3454	0.0041
LINC00377	0	-0.3452	<0.0001
ARHGEF12	0.914	-0.3451	0.0004
KRT18P34	0	-0.3451	<0.0001
ARHGEF7-AS2	0.592	-0.345	0.0008
MIR890	0	-0.3449	0.0019
ZNF326	0.917	-0.3449	0.0033
CRISPLD1	0.819	-0.3449	<0.0001
TRIM58	0.835	-0.3448	<0.0001
OBSL1	0.769	-0.3441	<0.0001
NR2E3	0.778	-0.344	<0.0001
CEACAM6	0.839	-0.3439	<0.0001
SPATA13	0.598	-0.3438	<0.0001
MIR941-2	0.451	-0.3436	0.018
RN7SL733P	0	-0.3436	<0.0001
CDKL2	0.499	-0.3436	<0.0001
SMG1	0.898	-0.3435	0.0055
TNFAIP2	0.891	-0.3432	0.0002
IL12RB1	0.878	-0.343	<0.0001
CREBRF	0.895	-0.3429	0.0436
MIR450A1	0	-0.3427	0.002
MIR149	0.826	-0.3427	0.0161
MIR761	0	-0.3426	0.0137

MEIOB	0.731	-0.3426	0.0212
SPATA1	0.819	-0.3426	<0.0001
COL8A2	0.776	-0.3425	<0.0001
PNPO	0.789	-0.3425	<0.0001
GUCA1B	0.772	-0.3424	<0.0001
ZDHHC1	0.694	-0.3423	<0.0001
APOL3	0.806	-0.3423	<0.0001
LINC00606	0.651	-0.3422	0.0027
OSCAR	0.622	-0.3422	<0.0001
RIN2	0.871	-0.3419	<0.0001
HSD3B2	0.923	-0.3418	0.0008
BRINP1	0.854	-0.3417	0.0175
BCL6	0.914	-0.3415	0.0004
CLEC17A	0.413	-0.3413	<0.0001
MYBPH	0.772	-0.3413	<0.0001
LMAN1	0.917	-0.3411	0.0006
ABCC6	0.929	-0.3411	0.0063
GCAT	0.887	-0.341	<0.0001
CSF3	0.807	-0.3408	<0.0001
KIR2DS2	0.827	-0.3406	0.0004
XKR6	0.685	-0.3406	<0.0001
ZFYVE21	0.812	-0.3406	<0.0001
SNORD103A	0.32	-0.3404	0.0001
CASR	0.813	-0.3404	<0.0001
DEF6	0.763	-0.3403	<0.0001
TPT1P9	0	-0.3402	<0.0001
IGFBP5	0.869	-0.3402	<0.0001
ACSF3	0.846	-0.3399	0.0001
SNORD68	0.764	-0.3399	0.037
RNF175	0.849	-0.3398	0.0001
PPP1R8P1	0	-0.3398	<0.0001
STX17	0.842	-0.3397	<0.0001
HAVCR2	0.849	-0.3397	<0.0001

LINC00459	0	-0.3394	0.0253
CLRN1-AS1	0.655	-0.3392	0.004
DOCK9-AS1	0	-0.3391	<0.0001
VWA2	0.786	-0.339	0.0001
IL23A	0.791	-0.339	<0.0001
ARMCX2	0.868	-0.339	<0.0001
PTP4A1P7	0.541	-0.3387	0.0115
BBS5	0.867	-0.3383	0.0001
RN7SKP78	0	-0.3383	<0.0001
ABHD14A-ACY1	0.375	-0.3382	0.0085
MROH7	0.885	-0.3382	0.0227
MIR4760	0	-0.3382	0.0426
KCNIP1	0.771	-0.3382	<0.0001
PRKCZ	0.904	-0.3381	0.0009
YBX1P8	0	-0.3381	<0.0001
PDK2	0.903	-0.338	0.0005
C4BPB	0.876	-0.3378	<0.0001
DCBLD1	0.751	-0.3374	<0.0001
CSRP1	0.877	-0.3374	<0.0001
MGST1	0.833	-0.3372	<0.0001
ZNF630	0.858	-0.3371	0.0003
DENND4A	0.92	-0.3371	0.0008
MIR4490	0	-0.3371	0.0438
HMGN3	0.876	-0.3371	<0.0001
RBMXL2	0.854	-0.3369	0.0001
ODF3B	0.567	-0.3369	<0.0001
SS18	0.929	-0.3368	0.0028
MIR3160-1	0	-0.3368	0.0431
ARHGEF25	0.637	-0.3366	<0.0001
PTGR1	0.687	-0.3365	<0.0001
PYGL	0.853	-0.3365	<0.0001
PIGR	0.884	-0.3364	0.0004
ATP2C2	0.728	-0.3362	<0.0001

VSTM1	0.826	-0.3362	<0.0001
MIR182	0.723	-0.3361	0.0024
HMCN1	0.754	-0.3359	<0.0001
TANC1	0.861	-0.3356	0.0004
APOC1	0.921	-0.3356	0.0022
ZNF347	0.469	-0.3356	<0.0001
DCAF13P1	0.413	-0.3354	<0.0001
IGFBP2	0.846	-0.3354	<0.0001
CCDC168	0.896	-0.3353	0.0247
CLDN1	0.86	-0.3352	<0.0001
FCHO1	0.867	-0.3349	<0.0001
SAR1B	0.637	-0.3347	<0.0001
RXRA	0.942	-0.3346	0.0067
ATRNL1	0.764	-0.3346	<0.0001
LOC100129055	0.278	-0.3345	<0.0001
TTPA	0.87	-0.3345	<0.0001
DGUOK-AS1	0.501	-0.3344	0.0346
OTUD1	0.71	-0.3344	<0.0001
MTND5P28	0	-0.3343	<0.0001
BHLHE23	0.891	-0.3341	0.0125
SMIM3	0.448	-0.3341	<0.0001
PER3	0.796	-0.3341	<0.0001
HECTD1	0.814	-0.3341	<0.0001
RFX2	0.85	-0.334	<0.0001
PPP3CC	0.879	-0.3339	0.0001
CNEP1R1	0.876	-0.3339	0.033
GOLGA8CP	0.443	-0.3339	<0.0001
PPP2R1B	0.928	-0.3337	0.0028
LINC00930	0.453	-0.3337	<0.0001
PLA2G2A	0.829	-0.3336	<0.0001
ANGPTL2	0.867	-0.3335	<0.0001
C5orf66-AS2	0	-0.3334	<0.0001
RN7SL172P	0.353	-0.3332	<0.0001

TTY10	0.764	-0.3331	0.0003
RPS27L	0.886	-0.3331	0.0004
MAP9	0.798	-0.3331	<0.0001
LBP	0.828	-0.333	<0.0001
AGKP1	0.21	-0.3329	<0.0001
NDNF	0.645	-0.3329	<0.0001
MIR660	0	-0.3328	0.0026
NHLRC2	0.931	-0.3328	0.0056
SAMD9	0.713	-0.3327	<0.0001
COQ6	0.92	-0.3326	0.001
LRCH1	0.717	-0.3326	<0.0001
FURIN	0.883	-0.3326	<0.0001
GOLGA6A	0.899	-0.3325	0.005
LINC00431	0	-0.3325	<0.0001
C2CD4C	0.836	-0.3324	0.0002
ATXN7	0.916	-0.3323	0.0009
LOC101928335	0.082	-0.3322	<0.0001
PUS3	0.559	-0.3321	<0.0001
S1PR4	0.682	-0.3321	<0.0001
SOX8	0.828	-0.3319	<0.0001
GJA4	0.88	-0.3319	<0.0001
RNF13	0.876	-0.3318	0.0001
ZFYVE28	0.879	-0.3317	0.0007
TSC22D1-AS1	0.708	-0.3317	0.0074
DNM1P46	0.866	-0.3317	0.0305
SNORA53	0.896	-0.3317	0.0352
MIR27B	0.876	-0.3317	0.0415
NFAT5	0.923	-0.3316	0.0024
LINC00387	0	-0.3315	0.0402
FLI1	0.919	-0.3313	0.0008
PRSS48	0.585	-0.3313	<0.0001
TPST1	0.923	-0.3312	0.003
CLDN24	0.354	-0.3312	<0.0001

TTY17A	0.52	-0.3311	0.0078
WLS	0.576	-0.3311	<0.0001
PFN3	0.83	-0.3309	0.0006
HSD17B12	0.926	-0.3307	0.0017
ARSE	0.899	-0.3306	0.0005
MLXIPL	0.897	-0.3306	0.0007
TIMP2	0.913	-0.3306	0.0014
TNFSF10	0.874	-0.3305	0.0001
SNORD127	0.656	-0.3303	0.0258
PRKAA1	0.902	-0.3299	0.0007
COL20A1	0.853	-0.3298	<0.0001
PHC2	0.877	-0.3297	0.0002
ESPN	0.811	-0.3295	<0.0001
AKAP9	0.93	-0.3294	0.0017
MYADM	0.926	-0.3294	0.0071
KIR3DL1	0.782	-0.3294	<0.0001
FAM223B	0	-0.3292	<0.0001
RECK	0.845	-0.3292	<0.0001
RNU6-82P	0.648	-0.329	0.0175
TMEM140	0.763	-0.329	<0.0001
SNORD20	0.433	-0.3288	<0.0001
TM2D2	0.79	-0.3288	<0.0001
ANXA8L1	0.766	-0.3287	0.001
CACNA2D1	0.877	-0.3287	<0.0001
RBMXL1	0.872	-0.3285	0.0088
CAAP1	0.84	-0.3285	0.0092
MIR587	0.558	-0.3284	0.0114
MIR514A3	0	-0.3284	0.0495
ABHD13	0.749	-0.3284	<0.0001
ERBB2	0.887	-0.3283	0.0001
PEG3	0.92	-0.3283	0.0037
TMBIM6	0.726	-0.3281	<0.0001
SLC16A10	0.806	-0.328	<0.0001

IL21R	0.84	-0.328	<0.0001
GBP5	0.821	-0.3276	<0.0001
CMPK1	0.75	-0.3275	<0.0001
GALNTL6	0.734	-0.3274	<0.0001
MIDN	0.835	-0.3274	<0.0001
MIR200A	0.776	-0.3271	0.0071
INCA1	0.605	-0.3271	<0.0001
GMPR	0.688	-0.3271	<0.0001
ENDOV	0.751	-0.327	0.0011
ZNF700	0.922	-0.327	0.0108
LOC102546299	0	-0.327	<0.0001
MS4A6E	0.701	-0.327	<0.0001
ANKRD12	0.885	-0.3269	0.0002
SNORA67	0.741	-0.3269	0.0311
MIR1238	0.813	-0.3269	0.0357
KIR3DL2	0.907	-0.3268	0.008
HNRNPA3P2	0.376	-0.3268	<0.0001
RBMS1P1	0	-0.3267	<0.0001
PQLC3	0.524	-0.3267	<0.0001
CD8B	0.909	-0.3265	0.0007
SNORD116-10	0.661	-0.3265	0.0447
CYP4F8	0.829	-0.3264	<0.0001
TENM3	0.858	-0.3263	0.0136
SNORA46	0.901	-0.3261	0.0333
MIR1224	0	-0.326	<0.0001
ASMTL-AS1	0.657	-0.3259	0.0006
IL15	0.839	-0.3259	<0.0001
LOC100130238	0.74	-0.3257	0.043
METTTL14	0.82	-0.3256	0.0002
LONRF3	0.858	-0.3256	<0.0001
MAB21L2	0.659	-0.3255	<0.0001
ZNF274	0.896	-0.3254	0.0006
INS	0.921	-0.3253	0.0044

RALGAPA2	0.874	-0.3253	0.0046
SLITRK2	0.903	-0.3252	0.0025
LPAR5	0.77	-0.3252	<0.0001
NFKBID	0.857	-0.3251	0.001
TRERF1	0.706	-0.3251	<0.0001
KRTAP2-2	0.412	-0.325	<0.0001
VWCE	0.841	-0.3249	0.0002
KLHL3	0.85	-0.3249	<0.0001
LOC100505795	0.365	-0.3248	0.0424
OSBP	0.877	-0.3246	0.0004
BCL2	0.917	-0.3246	0.0009
DANT2	0	-0.3245	<0.0001
ZNF502	0.846	-0.3244	0.0003
LOC646629	0	-0.3241	0.0261
FUZ	0.8	-0.324	<0.0001
MLF2	0.899	-0.3235	0.0008
EIF2AK4	0.907	-0.3235	0.0018
RGS1	0.791	-0.3235	<0.0001
MEGF9	0.749	-0.3234	<0.0001
PPP1R12B	0.938	-0.3233	0.0068
RBMS3-AS1	0	-0.3233	<0.0001
PPP3CB-AS1	0.659	-0.3232	0.0147
CD68	0.952	-0.3231	0.0237
TMEM134	0.773	-0.3231	<0.0001
TBC1D10C	0.83	-0.3228	0.0002
FFAR2	0.889	-0.3228	0.0002
ASXL3	0.905	-0.3227	0.0013
C16orf95	0.887	-0.3227	0.0197
KNG1	0.857	-0.3226	<0.0001
AMFR	0.902	-0.3223	0.0004
FAM107A	0.908	-0.3223	0.0006
SYNJ2BP	0.849	-0.3223	0.0011
PRG1	0.578	-0.3222	0.003

MIR510	0.159	-0.3222	0.0048
LRBA	0.836	-0.3222	<0.0001
UBA52P8	0	-0.3221	<0.0001
NSUN7	0.757	-0.3219	<0.0001
ADGRD1	0.338	-0.3217	<0.0001
GYPE	0.855	-0.3217	<0.0001
P2RX1	0.915	-0.3216	0.0016
PLXNB1	0.932	-0.3216	0.0048
ARNTL2-AS1	0.639	-0.3214	0.0055
GPRASP2	0.644	-0.3214	<0.0001
RNU1-100P	0	-0.3213	<0.0001
SIRT1	0.787	-0.3213	<0.0001
POM121L10P	0.81	-0.3212	0.0104
LRMP	0.871	-0.3211	<0.0001
ALPK1	0.883	-0.321	0.0002
ECI2	0.88	-0.3207	0.014
GSTT2B	0.791	-0.3206	0.0067
KIR2DS1	0.808	-0.3206	<0.0001
BANF1P2	0	-0.3204	<0.0001
OR7E93P	0.165	-0.3204	<0.0001
KRTAP10-8	0.803	-0.3203	0.0002
LINC00476	0.797	-0.3202	0.0139
TBC1D10A	0.861	-0.3201	0.0007
WHAMM	0.904	-0.32	0.0124
TNKS1BP1	0.887	-0.3199	0.0016
RNA5SP167	0	-0.3199	0.0095
ARMCX1	0.756	-0.3198	<0.0001
UTY	0.532	-0.3197	<0.0001
ANKRD20A1	0.769	-0.3196	0.0021
LOC101929272	0.274	-0.3196	<0.0001
PRDM8	0.742	-0.3196	<0.0001
ADAM33	0.89	-0.3195	0.0008
SIRPD	0.713	-0.3194	<0.0001

LONRF2	0.793	-0.3194	<0.0001
PRSS57	0.042	-0.3192	<0.0001
GRIP2	0.771	-0.3192	<0.0001
RASGRP1	0.837	-0.3192	<0.0001
ZFY	0.396	-0.3191	<0.0001
SNORD116-28	0.122	-0.319	0.0204
PRODH	0.878	-0.3188	0.0014
LOC100506801	0.383	-0.3188	0.0418
GLYCAM1	0.736	-0.3187	0.0003
HHIPL1	0.867	-0.3187	0.0008
SLC26A10	0.915	-0.3187	0.0052
ECT2L	0.513	-0.3187	<0.0001
ATP13A4-AS1	0.036	-0.3186	<0.0001
TXLNGY	0.727	-0.3185	0.0059
PCCB	0.891	-0.3183	0.0005
VEPH1	0.794	-0.3183	<0.0001
SPNS3	0.85	-0.318	0.0003
RN7SL861P	0.056	-0.318	<0.0001
TEKT2	0.721	-0.318	<0.0001
RNF128	0.753	-0.318	<0.0001
DCDC1	0.887	-0.3179	0.0037
APOBEC3G	0.907	-0.3178	0.0009
MIR1234	0	-0.3177	<0.0001
TCEAL2	0.814	-0.3177	<0.0001
LOC100129027	0.179	-0.3175	0.0032
FASLG	0.817	-0.3174	<0.0001
C14orf28	0.855	-0.3173	0.0003
VTN	0.88	-0.3172	0.0044
PBX4	0.75	-0.3171	<0.0001
RRAD	0.812	-0.3171	<0.0001
IRF2	0.925	-0.317	0.002
CDH5	0.93	-0.3169	0.0028
TTC21A	0.895	-0.3168	0.003

IGKV7-3	0	-0.3168	<0.0001
ZNF658B	0.651	-0.3167	0.0064
LCN6	0.833	-0.3166	<0.0001
GRIFIN	0.783	-0.3165	0.0235
FCMR	0	-0.3165	<0.0001
DHRS7C	0.81	-0.3165	<0.0001
GPR15	0.762	-0.3164	<0.0001
RGPD4	0.868	-0.3162	0.0178
TRIM5	0.75	-0.3161	<0.0001
SELENOW	0	-0.316	<0.0001
SCYL1	0.683	-0.316	<0.0001
FCAMR	0.706	-0.3155	<0.0001
SNAI3	0.746	-0.3154	<0.0001
ADPRM	0.737	-0.3153	0.0023
AKT3	0.725	-0.3153	<0.0001
FAM169B	0.545	-0.3151	<0.0001
UST	0.777	-0.3151	<0.0001
ANKRD36BP2	0.661	-0.3149	0.001
TMC4	0.842	-0.3148	0.0003
RGMB	0.747	-0.3147	<0.0001
MIR1266	0	-0.3145	<0.0001
EPB41L5	0.928	-0.3144	0.0031
HLA-U	0	-0.3143	<0.0001
STX19	0.792	-0.3142	<0.0001
FYTTD1	0.802	-0.3142	<0.0001
BST1	0.849	-0.314	<0.0001
BACE1	0.857	-0.3139	<0.0001
MIR124-2	0.737	-0.3138	0.0344
SSBP3	0.75	-0.3134	<0.0001
MIR1229	0.503	-0.3133	0.0006
ADD3	0.873	-0.3133	<0.0001
NUMB	0.937	-0.3132	0.0103
TPBG	0.882	-0.313	0.0006

RASGEF1C	0.715	-0.313	<0.0001
LOC729815	0.572	-0.3126	0.0062
RNU6-339P	0	-0.3126	<0.0001
PKIG	0.855	-0.3125	<0.0001
LOC101927550	0.519	-0.3124	0.0196
ATPAF1	0.633	-0.3124	<0.0001
SLC43A3	0.885	-0.3123	0.0007
PRB2	0.654	-0.3123	<0.0001
KLHL14	0.665	-0.3123	<0.0001
PPP1R3G	0.69	-0.3121	0.0028
PPP1R3C	0.879	-0.312	0.0006
ELP5	0.637	-0.3118	0.0004
ACVR2B-AS1	0.747	-0.3117	0.0132
ZYG11B	0.789	-0.3117	<0.0001
CCDC173	0.724	-0.3114	0.0037
RNU4-82P	0.353	-0.3114	<0.0001
RSBN1	0.811	-0.3114	<0.0001
TRAF6	0.905	-0.3113	0.0034
RTN4	0.696	-0.3113	<0.0001
GPR132	0.888	-0.311	0.0004
MLKL	0.74	-0.311	<0.0001
MIR302B	0	-0.3109	<0.0001
GABRA5	0.843	-0.3108	<0.0001
SPHK2	0.897	-0.3107	0.0014
CD300LG	0.752	-0.3107	<0.0001
C19orf12	0.771	-0.3107	<0.0001
PILRA	0.712	-0.3106	<0.0001
LRP5	0.834	-0.3104	<0.0001
PRDX4	0.881	-0.3103	0.0005
CBWD5	0.899	-0.3103	0.0117
CORO1A	0.844	-0.3103	<0.0001
SNORD115-48	0	-0.3102	0.0004
PCDH11X	0.872	-0.3102	0.0006

WFDC2	0.673	-0.3101	<0.0001
DYNLL2	0.781	-0.3101	<0.0001
HIF3A	0.863	-0.3101	<0.0001
SMIM2-IT1	0.301	-0.31	<0.0001
GPC1	0.871	-0.3099	0.0001
ASPRV1	0.834	-0.3099	0.0005
TCTEX1D4	0.62	-0.3097	0.0008
SLC6A1	0.788	-0.3097	<0.0001
FAR1	0.687	-0.3096	<0.0001
ZNF853	0.857	-0.3095	0.0157
SRRM2	0.944	-0.3094	0.0142
NTRK1	0.672	-0.3093	<0.0001
CCDC17	0.889	-0.3092	0.0024
DOK6	0.657	-0.3092	<0.0001
IL15RA	0.911	-0.3091	0.001
PTPN21	0.896	-0.3091	0.0011
MIRLET7BHG	0.582	-0.309	0.0026
FEM1AP2	0	-0.309	<0.0001
TENM2	0.673	-0.3089	0.0029
SCARF2	0.764	-0.3089	<0.0001
AATK	0.828	-0.3089	<0.0001
FAM227B	0.643	-0.3087	0.0011
DUSP14	0.909	-0.3086	0.0017
MTCP1	0.952	-0.3086	0.042
ZNF518B	0.665	-0.3085	<0.0001
SLC6A20	0.71	-0.3085	<0.0001
PM20D1	0.774	-0.3084	0.0001
RN7SL704P	0.499	-0.3083	<0.0001
TTY2	0.637	-0.3082	0.0005
MIR2115	0.243	-0.3082	<0.0001
PATL2	0.625	-0.308	<0.0001
COL28A1	0.761	-0.308	<0.0001
IGSF5	0.781	-0.308	<0.0001

TTN	0.918	-0.3078	0.0032
WAPL	0	-0.3078	<0.0001
SELENOK	0	-0.3078	<0.0001
SYN1	0.761	-0.3078	<0.0001
LYSMD2	0.883	-0.3076	0.0008
NAV2-AS4	0.596	-0.3076	0.0076
MBOAT2	0.869	-0.3071	0.0001
THEG	0.812	-0.3071	<0.0001
CLCN5	0.917	-0.307	0.0019
SOX7	0.8	-0.3068	<0.0001
LAMB2	0.893	-0.3067	0.0004
CD55	0.911	-0.3067	0.0014
STX1B	0.913	-0.3067	0.0064
UOX	0.386	-0.3067	<0.0001
CCDC42	0.852	-0.3066	0.0002
LOC158435	0.197	-0.3066	0.0009
NRN1L	0.939	-0.3066	0.0403
TRAV8-3	0.88	-0.3065	0.0322
DPYD-AS1	0	-0.3065	<0.0001
PJA2	0.713	-0.3065	<0.0001
HYDIN	0.739	-0.3065	<0.0001
MIR378J	0	-0.3064	<0.0001
ITPK1-AS1	0.261	-0.3064	<0.0001
RAPGEF4	0.723	-0.3064	<0.0001
FMC1	0	-0.3063	<0.0001
CPEB4	0.776	-0.3063	<0.0001
GNG12	0.871	-0.3062	0.0001
SMAD1	0.877	-0.3061	0.0004
ZNRF3-AS1	0.409	-0.3061	0.006
NCKAP5-IT1	0	-0.3061	<0.0001
LDOC1	0.882	-0.306	0.0002
KIAA2012	0	-0.306	<0.0001
MIR3187	0	-0.3059	0.0376

ADARB2	0.761	-0.3058	<0.0001
TAC1	0.876	-0.3055	0.0005
AMOT	0.738	-0.3055	<0.0001
LINC01569	0	-0.3054	<0.0001
CORO2B	0.826	-0.3054	<0.0001
USH2A	0.83	-0.3054	<0.0001
TBX5-AS1	0.802	-0.3051	0.0417
LDHAL6B	0.878	-0.305	0.0005
CCDC106	0.899	-0.305	0.0006
RGS4	0.893	-0.305	0.0021
GNLY	0.841	-0.305	<0.0001
ULK2	0.719	-0.3049	<0.0001
SLC2A10	0.804	-0.3046	<0.0001
LINC00433	0	-0.3045	0.0448
FAM153A	0.848	-0.3043	0.0005
NLGN2	0.876	-0.3043	0.0016
KIR2DL3	0.875	-0.3043	0.0028
MIR30A	0.191	-0.3043	<0.0001
CCDC8	0.756	-0.3041	<0.0001
MIR335	0.609	-0.304	0.0304
SERPINA2	0.727	-0.3039	0.0002
ARHGEF9-IT1	0.429	-0.3039	<0.0001
GEMIN4	0.653	-0.3038	<0.0001
C17orf102	0.318	-0.3036	<0.0001
MGC27382	0.734	-0.3035	0.021
WNT9A	0.794	-0.3035	<0.0001
MED11	0.874	-0.3033	0.0007
FCGR2C	0.861	-0.3033	0.0094
C4A	0.476	-0.3033	<0.0001
MIR372	0.321	-0.3032	<0.0001
SEMA4A	0.765	-0.3031	<0.0001
LOC440700	0	-0.3029	0.0044
DMRTC1	0.682	-0.3028	0.0027

KYAT3	0	-0.3028	<0.0001
SNORD9	0.778	-0.3026	0.0073
DGKE	0.869	-0.3023	0.0002
CLEC4D	0.883	-0.3023	0.0011
ZNF358	0.783	-0.3023	<0.0001
APOM	0.787	-0.3019	<0.0001
SYT13	0.832	-0.3019	<0.0001
PLD4	0.866	-0.3018	0.0011
PPM1A	0.905	-0.3018	0.0023
DDT	0.916	-0.3017	0.0056
MIR3199-2	0.426	-0.3017	0.0409
DLEU7	0.9	-0.3016	0.0022
TMEM150C	0.776	-0.3016	0.0023
MPO	0.899	-0.3015	0.0016
DNAJA3	0.77	-0.3014	<0.0001
VPS36	0.813	-0.3011	0.0002
PROX1-AS1	0.782	-0.3011	0.0396
SDHDP2	0	-0.301	<0.0001
LRRC32	0.845	-0.301	<0.0001
CHSY1	0.913	-0.3009	0.0017
DSG2-AS1	0.495	-0.3007	<0.0001
LOC100131532	0.745	-0.3005	0.0073
LOC100507006	0	-0.3005	<0.0001
LOC101929064	0	-0.3005	<0.0001
DUX3	0.425	-0.3004	<0.0001
MAP7D3	0.747	-0.3004	<0.0001
GTF2A1L	0.915	-0.3001	0.0188
MYO1G	0.71	-0.3	<0.0001
ELN	0.9	-0.2999	0.0009
TTC12	0.491	-0.2999	<0.0001
P4HA1	0.887	-0.2998	0.0009
RN7SL165P	0.176	-0.2997	<0.0001
LOC339874	0	-0.2996	<0.0001

MIR328	0.783	-0.2995	0.0237
SSTR1	0.831	-0.2993	0.0001
DAOA-AS1	0.71	-0.2993	0.0063
LOC101927495	0	-0.2993	<0.0001
AQP1	0.872	-0.2991	0.0004
LOC392364	0.535	-0.299	0.02
GALC	0.884	-0.2989	0.0003
BTG1	0.875	-0.2989	0.0005
FNDC9	0.724	-0.2987	0.0031
CREM	0.92	-0.2987	0.0032
PDE4D	0.7	-0.2987	<0.0001
MIR1288	0.722	-0.2986	0.0119
TRBV27	0.673	-0.2984	0.0017
MAPRE1P1	0	-0.2983	0.0001
PROX1	0.902	-0.2983	0.0021
MLPH	0.766	-0.2982	<0.0001
NUDT9P1	0.655	-0.298	0.0003
LOC101927543	0	-0.298	<0.0001
MIR373	0.089	-0.298	<0.0001
LOC101929529	0	-0.2979	<0.0001
RN7SL306P	0.49	-0.2979	<0.0001
PUM3	0	-0.2978	<0.0001
AKR1C4	0.839	-0.2978	<0.0001
TAF1C	0.928	-0.2977	0.0083
SLC25A13	0.877	-0.2976	0.0006
MIR122	0.249	-0.2975	<0.0001
ORAI3	0.935	-0.2973	0.0179
ADD3-AS1	0.791	-0.2973	0.0203
MIR337	0.127	-0.2973	<0.0001
SEMA3E	0.771	-0.2973	<0.0001
REEP5	0.905	-0.2971	0.0027
GPR17	0.925	-0.2971	0.0034
STRN3	0.935	-0.2971	0.0112

FBXO25	0.507	-0.2971	<0.0001
C11orf65	0.627	-0.297	<0.0001
CYSLTR1	0.907	-0.2969	0.0019
ZAN	0.881	-0.2967	0.0044
LY75	0.863	-0.2966	0.0003
MBTPS1	0.897	-0.2966	0.0009
HOXB3	0.864	-0.2965	0.0002
KIR2DL5A	0.693	-0.2965	<0.0001
ALDH7A1	0.921	-0.2961	0.0031
ZDHHC19	0.681	-0.296	<0.0001
USP9Y	0.754	-0.2959	<0.0001
LOC101928020	0.187	-0.2956	<0.0001
XCR1	0.827	-0.2954	0.0001
DNAAF3	0.787	-0.2954	0.0125
LRP6	0.866	-0.2953	0.0002
RNF146	0.873	-0.2953	0.001
RAB44	0.704	-0.2953	0.0366
CLMN	0.83	-0.2953	<0.0001
CXCL16	0.842	-0.2952	0.0003
PGLYRP1	0.921	-0.2951	0.0077
ATG10-AS1	0.484	-0.2949	<0.0001
LBH	0.787	-0.2949	<0.0001
CLINT1	0.873	-0.2948	0.0003
XCL2	0.729	-0.2948	0.0006
RASL10A	0.941	-0.2948	0.0203
RNF225	0.491	-0.2948	<0.0001
PRRT1	0.781	-0.2946	0.0004
TPP2	0.884	-0.2946	0.0017
SEZ6L	0.905	-0.2946	0.0026
RIMBP2	0.643	-0.2945	<0.0001
GALM	0.792	-0.2944	<0.0001
UBE2G2	0.914	-0.2943	0.0057
VN2R10P	0.279	-0.2941	0.0001

ADRA2A	0.755	-0.2941	<0.0001
NPIPB15	0.772	-0.294	0.0162
RN7SL218P	0	-0.294	<0.0001
PDE4DIP	0.788	-0.294	<0.0001
PDXDC1	0.931	-0.2939	0.0253
TSPYL2	0.92	-0.2938	0.0059
LINC01354	0.22	-0.2936	<0.0001
PPARA	0.924	-0.2935	0.0075
GCFC2	0.54	-0.2935	<0.0001
ELL2	0.912	-0.2933	0.0021
COL23A1	0.837	-0.2932	0.0002
SYNDIG1L	0.749	-0.2932	0.0036
KRT72	0.851	-0.293	0.0003
MIR208B	0	-0.293	<0.0001
GTF2F2P1	0	-0.2929	0.0001
ARL5B	0.845	-0.2929	0.0005
STX8	0.912	-0.2928	0.0046
MIR1197	0	-0.2927	<0.0001
PHF2	0.8	-0.2927	<0.0001
AGBL2	0.889	-0.2926	0.001
SLC22A24	0.804	-0.2926	0.0011
BCL3	0.929	-0.2926	0.0135
FAM124A	0.855	-0.2925	0.0004
USF2	0.934	-0.2925	0.0116
RBMS3-AS2	0.464	-0.2925	<0.0001
USP25	0.794	-0.2925	<0.0001
CRX	0.815	-0.2924	<0.0001
RFPL2	0.843	-0.2923	0.0008
AGER	0.92	-0.2923	0.0032
LRIT3	0.885	-0.2922	0.0057
DDI2	0.862	-0.2922	0.006
ZRANB1	0.798	-0.2921	0.0002
CARD16	0.865	-0.2921	0.0034

NT5C1B	0.886	-0.2921	0.0124
RPGRIP1	0.733	-0.2918	<0.0001
VIPR2	0.897	-0.2917	0.002
C20orf203	0.709	-0.2917	0.0048
MIR2053	0.353	-0.2917	<0.0001
LOC100287010	0	-0.2916	0.0004
NFKB1	0.898	-0.2916	0.0033
TM7SF3	0.757	-0.2915	<0.0001
ITIH3	0.874	-0.2913	0.0006
CHD2	0.925	-0.2913	0.0065
UBB	0.942	-0.291	0.0305
ADIPOQ-AS1	0	-0.291	<0.0001
PHF8	0.87	-0.2908	0.0008
LINC00319	0.633	-0.2908	0.0043
MIR369	0.799	-0.2908	0.036
C3AR1	0.915	-0.2907	0.0031
OR7E2P	0.589	-0.2906	0.0014
EZR	0.865	-0.2906	0.002
TAF7L	0.829	-0.2905	0.0002
RNA5SP117	0.471	-0.2905	0.0186
GPRC5C	0.845	-0.2904	0.0001
RIOK3	0.901	-0.2904	0.0026
MUC5AC	0.841	-0.2902	0.0015
MIR124-2HG	0.595	-0.2902	0.0049
GOLGA6D	0.624	-0.2901	0.0118
EMX2OS	0.88	-0.29	0.0211
GOLGA8IP	0.364	-0.29	<0.0001
GAB1	0.832	-0.29	<0.0001
ANXA6	0.863	-0.2899	0.0002
TSG1	0.496	-0.2898	0.0036
FAM209B	0.866	-0.2898	0.0346
SLTM	0.819	-0.2896	0.0001
PISD	0.855	-0.2896	0.0036

FPR3	0.937	-0.2892	0.0243
EPCAM	0.939	-0.2892	0.0315
TMEM235	0.806	-0.2891	0.0294
HACD1	0	-0.2891	<0.0001
ITGB5-AS1	0	-0.2891	<0.0001
DDX25	0.593	-0.2891	<0.0001
RXFP2	0.396	-0.2887	<0.0001
SMTNL1	0.838	-0.2886	0.0016
SEMA3D	0.839	-0.2885	0.0003
GHRLOS	0.714	-0.2885	0.0028
C12orf71	0.757	-0.2883	0.0042
MYO3A	0.871	-0.2882	0.0013
KAT8	0.6	-0.2881	0.0001
NACAD	0.782	-0.2881	0.0002
ST8SIA4	0.891	-0.288	0.0026
MESTIT1	0.245	-0.288	<0.0001
PLLP	0.752	-0.288	<0.0001
KIRREL3	0.813	-0.288	<0.0001
PKD2	0.893	-0.2878	0.0019
OMD	0.868	-0.2877	0.0006
MKNK1	0.921	-0.2877	0.0086
OR52L2P	0.019	-0.2877	<0.0001
BIN3	0.793	-0.2877	<0.0001
MIR183	0.384	-0.2876	<0.0001
TMEM106A	0.73	-0.2875	<0.0001
F2R	0.907	-0.2873	0.0022
RPL31P52	0.39	-0.2871	0.0002
RPH3A	0.865	-0.287	0.0008
MIR1251	0	-0.287	<0.0001
GOLGA6L6	0.591	-0.2869	0.0016
TTLL8	0.79	-0.2866	0.0138
HEMGN	0.676	-0.2866	<0.0001
ZNF885P	0	-0.2865	0.0002

CXCL3	0.877	-0.2865	0.0005
DTX4	0.882	-0.2865	0.001
HAS1	0.858	-0.2864	0.0002
CEACAM1	0.878	-0.2864	0.0005
RAB2B	0.914	-0.2864	0.0134
LIMD2	0.83	-0.2864	<0.0001
IFNL2	0.782	-0.2863	0.0287
GLI2	0.863	-0.2862	0.0002
MIR181A1HG	0.1	-0.2861	<0.0001
SHH	0.857	-0.286	0.0007
SPDYE4	0.641	-0.286	0.0013
CADM2	0.813	-0.2858	0.0001
HOXB2	0.889	-0.2856	0.0008
VPS9D1-AS1	0.62	-0.2853	0.0209
MIR184	0.198	-0.2852	<0.0001
IFNA20P	0	-0.2851	0.0002
JAM2	0.86	-0.2851	0.0004
IL13RA1	0.901	-0.2849	0.0016
RBPMS-AS1	0.635	-0.2849	0.0191
PNPLA2	0.773	-0.2849	<0.0001
EMP3	0.885	-0.2848	0.0007
NXPE3	0.696	-0.2845	0.0024
LOC375196	0.525	-0.2845	0.0183
MIR1911	0.438	-0.2845	<0.0001
L3MBTL4	0.782	-0.2845	<0.0001
RNA5SP37	0.459	-0.2844	<0.0001
ENC1	0.855	-0.2843	0.0002
RNY3P10	0	-0.2843	0.0209
RN7SL869P	0	-0.2842	<0.0001
NAGLU	0.905	-0.2841	0.0038
DEFA11P	0.655	-0.2839	0.0293
IGSF11-AS1	0.709	-0.2838	0.0232
ITIH5	0.837	-0.2838	<0.0001

SNX20	0.884	-0.2837	0.0104
BTLA	0.82	-0.2836	0.0002
LOC100288866	0	-0.2836	0.0006
CXorf65	0.833	-0.2836	0.0022
RN7SL749P	0.256	-0.2836	<0.0001
ATAD1	0.773	-0.2836	<0.0001
ZNF470	0.772	-0.2834	0.0002
SLC25A48	0.68	-0.2834	0.0007
SLC30A1	0.908	-0.2834	0.0046
LMO2	0.916	-0.2832	0.0034
ZDHHC11	0.831	-0.2831	0.0004
HLA-DPB1	0.942	-0.2829	0.0148
ZNF439	0.579	-0.2829	<0.0001
ACOT4	0.685	-0.2829	<0.0001
IGSF6	0.939	-0.2828	0.0118
MIR1324	0	-0.2828	<0.0001
MIR216A	0.709	-0.2826	0.0087
DNAJC27	0.911	-0.2826	0.016
NDN	0.88	-0.2825	0.0014
PPIL4	0.853	-0.2824	0.0019
GLIS3-AS1	0.829	-0.2824	0.0355
PLPP6	0	-0.2822	0.0002
GBE1	0.864	-0.282	0.0003
SYK	0.887	-0.282	0.002
CARMIL2	0	-0.2819	0.0002
FAM166A	0.846	-0.2819	0.0024
JUND	0.9	-0.2818	0.0017
LOC101927870	0.285	-0.2818	<0.0001
SPATA2L	0.787	-0.2817	0.0001
CCDC144B	0.83	-0.2816	0.0435
DIO3	0.612	-0.2815	<0.0001
SH2D2A	0.885	-0.2814	0.0017
GATA3-AS1	0.65	-0.2814	0.0064

ZNF582-AS1	0.391	-0.2813	<0.0001
WDR81	0.73	-0.2813	<0.0001
NEK1	0.71	-0.2812	<0.0001
OR2A7	0.583	-0.2811	0.0004
KIR2DS5	0.835	-0.281	0.0048
LIPJ	0.721	-0.281	<0.0001
PTEN	0.904	-0.2809	0.0044
MIR1289-2	0.639	-0.2809	0.0052
TLR6	0.66	-0.2809	<0.0001
CRNN	0.921	-0.2808	0.0076
MIR181A2	0.737	-0.2808	0.0136
ACOT6	0.785	-0.2808	<0.0001
FOXI3	0.711	-0.2807	0.0028
ARL6IP1	0.766	-0.2807	<0.0001
TMEM242	0.658	-0.28	0.0019
INHBE	0.806	-0.2799	<0.0001
RNU2-33P	0.384	-0.2798	0.0001
PCP2	0.77	-0.2797	0.0001
CDC42EP3	0.89	-0.2797	0.0011
PPP4R1L	0.84	-0.2796	0.0086
CRYZ	0.847	-0.2795	0.0002
C4B	0.641	-0.2794	0.0001
SNORD3D	0	-0.2794	0.0142
LOC100133077	0.295	-0.2794	0.0166
AFMID	0.848	-0.2793	0.0008
TAS2R60	0.62	-0.2793	<0.0001
CTSS	0.903	-0.2792	0.0023
LARP4	0.799	-0.2792	<0.0001
ND6	0.584	-0.2791	0.0261
ESRP1	0.85	-0.279	0.0067
PDE6G	0.924	-0.2789	0.0144
MAPT-IT1	0	-0.2789	<0.0001
CBARP	0.419	-0.2788	0.0002

PHF10	0.914	-0.2788	0.0068
CD177P1	0	-0.2785	0.0001
CYLC1	0.714	-0.2785	<0.0001
P2RX6	0.716	-0.2783	0.0001
MIRLET7F2	0.317	-0.2783	0.0027
GSTM1	0.848	-0.2781	0.0009
RNF138	0.881	-0.2781	0.0024
CST3	0.912	-0.2781	0.0035
RBMS2	0.659	-0.2781	<0.0001
MIAT	0.782	-0.278	0.0026
MIR2113	0	-0.278	<0.0001
ZSCAN18	0.828	-0.2779	0.0005
ARMCX6	0.871	-0.2779	0.0016
RN7SL629P	0	-0.2778	0.0001
DPEP3	0.764	-0.2778	<0.0001
SHPRH	0.747	-0.2774	<0.0001
APOB	0.886	-0.2773	0.0017
ARHGAP23	0.869	-0.2773	0.0082
TDRD9	0.671	-0.2773	<0.0001
EDAR	0.723	-0.2773	<0.0001
SLFN13	0.776	-0.2772	0.0002
TFF2	0.683	-0.2771	<0.0001
DUX4L26	0	-0.277	0.0001
NPIP9	0	-0.277	<0.0001
KLHL6	0.748	-0.277	<0.0001
CLCA3P	0.622	-0.2768	0.0002
SMAD9-IT1	0.409	-0.2768	0.0004
MIR142	0.466	-0.2768	<0.0001
FSTL1	0.856	-0.2766	0.0003
C2CD2	0.747	-0.2766	<0.0001
ARPP21	0.634	-0.2764	<0.0001
ZPBP	0.713	-0.2764	<0.0001
C2orf27B	0.739	-0.2763	0.0179

DACT2	0.53	-0.2763	<0.0001
LOC202181	0.335	-0.2762	<0.0001
GCC2	0.756	-0.2761	<0.0001
LOC441179	0	-0.2759	<0.0001
COG3	0.87	-0.2756	0.0022
ARSJ	0.705	-0.2756	<0.0001
BLCAP	0.842	-0.2755	0.0002
NR2F2	0.87	-0.2753	0.0014
TAF9BP2	0	-0.2752	0.0004
KCNS3	0.88	-0.2752	0.0008
SPDYC	0.649	-0.2751	<0.0001
MMP2	0.838	-0.275	0.0005
FKRP	0.913	-0.2749	0.005
AWAT2	0.545	-0.2748	<0.0001
MTND5P2	0	-0.2746	0.0004
IL20RA	0.706	-0.2745	<0.0001
PSG10P	0.395	-0.2744	<0.0001
RNA5SP416	0.233	-0.2743	0.026
IGF2-AS	0.844	-0.2743	0.0362
DHRS3	0.866	-0.2742	0.0006
UBE2G1	0.91	-0.2742	0.0065
LOC101927069	0	-0.2742	<0.0001
MIR651	0	-0.2741	0.0131
TEX33	0.698	-0.274	0.0115
TAPBPL	0.763	-0.2739	<0.0001
CSRNP3	0.781	-0.2737	0.0003
LOC286238	0.545	-0.2737	0.0004
PNOC	0.871	-0.2737	0.0011
ABCC11	0.681	-0.2737	<0.0001
PRB1	0.612	-0.2736	<0.0001
OR13C3	0.804	-0.2735	0.0035
LINC00582	0.509	-0.2734	0.0034
MYO16-AS2	0	-0.2733	0.0001

VTI1BP2	0.359	-0.2733	0.0001
OR4F4	0.646	-0.2733	0.0068
MIR216B	0	-0.2732	<0.0001
KLF3-AS1	0.295	-0.2731	<0.0001
ARHGDIB	0.92	-0.273	0.0061
MIR133B	0	-0.273	<0.0001
KIAA0825	0.473	-0.2728	<0.0001
PYGO1	0.729	-0.2728	<0.0001
RN7SL589P	0.082	-0.2726	0.0002
TP53I13	0.844	-0.2725	0.0019
DYNC2H1	0.848	-0.2723	0.0005
HSFX2	0.575	-0.2723	0.0212
STAG3	0.795	-0.2722	0.0003
IGLL1	0.921	-0.2722	0.0076
MYO1E	0.868	-0.272	0.0013
RNASE13	0.846	-0.272	0.0077
HVCN1	0.925	-0.272	0.0149
LINC00330	0.669	-0.272	0.0183
PLTP	0.799	-0.2719	0.0002
CDC14C	0.803	-0.2719	0.0055
BLVRB	0.926	-0.2718	0.0088
BHLHE40-AS1	0.255	-0.2717	0.0001
DEFB119	0.872	-0.2717	0.0051
SMLR1	0.296	-0.2717	<0.0001
TRIM2	0.867	-0.2715	0.0012
WTIP	0.775	-0.2714	0.0004
FERMT3	0.816	-0.2711	0.0008
SFTA2	0.555	-0.2711	<0.0001
ITGA1	0.913	-0.2709	0.0074
BIRC2	0.939	-0.2709	0.0159
LINC00442	0.509	-0.2709	0.0307
ROBO4	0.892	-0.2707	0.0044
ARL4C	0.925	-0.2706	0.0083

EPHB6	0.832	-0.2705	0.0001
KANK3	0.801	-0.2703	0.0006
IFIT2	0.902	-0.2703	0.0027
CDH4	0.858	-0.2702	0.0003
F2RL2	0.884	-0.2702	0.0012
PLK2	0.902	-0.2702	0.0051
TIGIT	0.841	-0.27	0.0068
PWAR5	0.744	-0.27	0.0369
TUSC3	0.83	-0.2699	0.0003
LINC00837	0.693	-0.2699	0.0121
ZNF10	0.904	-0.2698	0.0095
RN7SL67P	0	-0.2696	0.0002
SCN1B	0.851	-0.2696	0.0007
MIR7515HG	0	-0.2693	0.0004
MIR33B	0.688	-0.2693	0.0184
OR51A1P	0	-0.2692	0.0002
STK17B	0.881	-0.2692	0.0025
PIGY	0.757	-0.2692	0.0058
FKBP7	0.737	-0.2692	<0.0001
CRYBB3	0.772	-0.2691	<0.0001
ASB18	0.6	-0.269	<0.0001
GAPDHP47	0.036	-0.2689	0.0005
LINC00629	0.635	-0.2689	0.0141
LOC100507642	0.223	-0.2685	<0.0001
KIF17	0.75	-0.2685	<0.0001
LINC00243	0.445	-0.2684	0.0001
SNORD8	0.864	-0.2683	0.0182
ZNF586	0.771	-0.2683	<0.0001
GRM6	0.795	-0.2682	<0.0001
DDX3X	0.93	-0.2681	0.0112
C18orf12	0.06	-0.2681	<0.0001
SCARB2	0.907	-0.268	0.0067
ATP2A3	0.857	-0.2679	0.0004

LYPD6B	0.73	-0.2678	0.0001
LOC646626	0.266	-0.2678	<0.0001
FAM187B	0.831	-0.2676	0.003
GSTT2	0.864	-0.2676	0.0045
OR51J1	0	-0.2676	<0.0001
TMPRSS4	0.803	-0.2674	0.0002
LINC01219	0	-0.2674	0.0005
EPB42	0.881	-0.2674	0.0013
RN7SL452P	0.135	-0.2673	0.0002
CYP4F11	0.837	-0.2673	0.0003
CSDC2	0.905	-0.2672	0.0034
MIR27A	0.819	-0.2671	0.0466
CHI3L1	0.819	-0.267	0.0001
TMEM156	0.817	-0.267	0.0004
ABCG4	0.842	-0.2669	0.0003
ANKRD63	0.207	-0.2668	<0.0001
MIR24-2	0.444	-0.2668	<0.0001
TRDV3	0.763	-0.2667	0.0226
LINC00670	0	-0.2667	<0.0001
MIR1243	0.038	-0.2667	<0.0001
RNU6-526P	0.464	-0.2662	0.0002
ZNF596	0.903	-0.266	0.0147
SRPX2	0.784	-0.266	<0.0001
MCOLN2	0.791	-0.2659	0.0002
ITIH2	0.9	-0.2659	0.0046
SLC25A38	0.886	-0.2659	0.0051
MIR29A	0.536	-0.2659	0.0179
ITGA10	0.868	-0.2658	0.001
PPEF2	0.808	-0.2657	0.0003
USP17L15	0.321	-0.2657	0.0128
OR2F1	0.782	-0.2656	0.0002
RBBP6	0.94	-0.2652	0.0294
AGAP11	0.803	-0.2651	0.0171

LTC4S	0.86	-0.265	0.0009
TARSL2	0.636	-0.265	<0.0001
LDHB	0.863	-0.2649	0.0006
ZNF879	0.581	-0.2648	0.0002
CHRNB1	0.932	-0.2647	0.0148
WBP1LP1	0	-0.2646	0.0006
RFPL3	0.69	-0.2646	<0.0001
SAMD9L	0.66	-0.2643	<0.0001
LOC101928844	0	-0.2641	<0.0001
YBX3	0.513	-0.264	0.0004
CDH26	0.688	-0.264	<0.0001
CFHR5	0.809	-0.2639	0.0001
SWSAP1	0.657	-0.2638	0.0038
TFEC	0.73	-0.2636	<0.0001
FAM166B	0.81	-0.2635	0.0023
ARRDC1	0.898	-0.2635	0.0073
CPNE6	0.727	-0.2634	<0.0001
ELANE	0.861	-0.2633	0.0034
CYAT1	0.343	-0.2631	<0.0001
LMBR1L	0.809	-0.2629	0.0003
AUH	0.879	-0.2629	0.0014
UGT2B28	0.937	-0.2629	0.0339
PRKY	0.734	-0.2627	0.0001
GLIS1	0.794	-0.2627	0.0003
RN7SL767P	0.24	-0.2627	0.0008
MIR1302-7	0.616	-0.2627	0.0109
NDUFC1	0.902	-0.2626	0.0069
C5orf56	0.584	-0.2625	0.0014
MIR135B	0	-0.2623	<0.0001
KRTAP27-1	0.611	-0.2622	0.0002
BCRP8	0	-0.2621	0.0002
OR2A13P	0	-0.2621	0.0007
CDC40	0.821	-0.262	0.0002

PEPD	0.847	-0.262	0.0009
EVI5	0.851	-0.2619	0.0008
HECW2	0.841	-0.2619	0.0014
EEF1DP3	0.558	-0.2619	0.0048
MIR100	0	-0.2618	<0.0001
GSTO1	0.883	-0.2616	0.0026
MIR1264	0	-0.2616	<0.0001
LOC100132215	0.365	-0.2616	<0.0001
PPP1R14A	0.712	-0.2616	<0.0001
MIR139	0.408	-0.2614	<0.0001
MIR654	0.169	-0.2612	0.018
TWIST2	0.807	-0.2611	0.0029
LRRC40	0.801	-0.261	0.0001
KC6	0	-0.261	<0.0001
OXSM	0.788	-0.2609	0.0002
AMOTL1	0.791	-0.2609	0.0003
TOPORS	0.836	-0.2609	0.0013
LINC01578	0	-0.2608	0.0008
MEGF6	0.676	-0.2607	<0.0001
GIMAP2	0.798	-0.2606	0.0003
TCP10L	0.722	-0.2604	0.0001
RNU6-1250P	0.133	-0.2601	0.0003
REG1CP	0	-0.2601	0.0006
CABP2	0.611	-0.2601	<0.0001
TRY2P	0	-0.26	<0.0001
DCTN1-AS1	0.735	-0.2599	0.0458
ANKRD18A	0.821	-0.2595	0.0012
SPOCK2	0.913	-0.2592	0.0123
KRBOX1-AS1	0	-0.2592	<0.0001
PARP15	0.882	-0.2587	0.0087
LINC00707	0	-0.2586	0.0002
TMEM129	0.827	-0.2586	0.0018
TLE2	0.89	-0.2586	0.0047

CEBPB	0.907	-0.2586	0.0052
CD2	0.873	-0.2585	0.0013
LOC100287467	0.421	-0.2584	0.007
CLNK	0.593	-0.2584	<0.0001
LTB4R2	0.865	-0.2583	0.0011
NCF4	0.872	-0.2583	0.004
ITGA4	0.899	-0.2583	0.0052
ASTN1	0.754	-0.2583	<0.0001
PRDX3	0.892	-0.2582	0.0053
MAPRE2	0.92	-0.2581	0.0105
CXCL1	0.865	-0.258	0.001
PAOX	0.758	-0.2579	0.0001
KRTAP10-9	0.781	-0.2579	0.0015
HLA-DRB3	0.685	-0.2579	0.0036
FAM83B	0.741	-0.2579	<0.0001
MIR6826	0	-0.2578	0.001
PGR	0.64	-0.2578	<0.0001
RND2	0.889	-0.2577	0.0051
CCDC89	0.746	-0.2577	<0.0001
RN7SL309P	0.26	-0.2576	0.0003
SPAG11B	0.786	-0.2576	0.0097
GOLGA2P9	0	-0.2575	0.0002
ZNF141	0.908	-0.2575	0.0125
AK2	0.823	-0.2574	0.0003
PINLYP	0.838	-0.2574	0.0389
OR13C9	0.569	-0.2573	<0.0001
TMEM123	0.748	-0.2573	<0.0001
SIGLEC6	0.756	-0.2569	<0.0001
ST8SIA3	0.705	-0.2568	<0.0001
FAM25G	0.612	-0.2567	0.0044
ENDOU	0.771	-0.2566	0.0023
MIR154	0	-0.2566	<0.0001
OSMR	0.852	-0.2563	0.0016

KRTAP10-3	0.757	-0.2562	0.0012
CD37	0.873	-0.2562	0.0015
MIR520H	0.129	-0.2562	0.025
RSPO1	0.795	-0.2561	0.0011
OR1B1	0.49	-0.2561	<0.0001
CD72	0.842	-0.2559	0.0004
MIR504	0.303	-0.2558	0.0101
USP44	0.645	-0.2556	<0.0001
RN7SKP235	0.055	-0.2555	0.0003
CASP7	0.905	-0.2555	0.0053
MIR205	0.416	-0.2554	<0.0001
MAML2	0.868	-0.2553	0.0038
MIR137	0.171	-0.2553	<0.0001
FAM189A1	0.655	-0.2553	<0.0001
LINC01474	0.389	-0.2552	0.0009
MIR212	0.619	-0.2552	0.0068
TEX36-AS1	0	-0.255	<0.0001
ILVBL	0.888	-0.2549	0.0028
C4orf36	0.873	-0.2548	0.0058
LOC100288162	0	-0.2548	0.0064
MYO18A	0.909	-0.2548	0.0395
MIR1321	0.08	-0.2548	<0.0001
PIGQ	0.818	-0.2546	0.0006
PLEKHG3	0.811	-0.2545	0.0007
GRIK1	0.891	-0.2545	0.0033
TTN-AS1	0	-0.2545	<0.0001
NXF4	0.559	-0.2544	0.0007
BTG2	0.895	-0.2544	0.0037
C16orf47	0.771	-0.2544	0.0151
SLC11A1	0.904	-0.2543	0.0084
PRRG1	0.902	-0.2542	0.0098
ARHGEF33	0.63	-0.2541	0.0011
IL36RN	0.295	-0.2541	<0.0001

CUTC	0.688	-0.254	<0.0001
GTF2E2	0.851	-0.2539	0.0007
CHSY3	0.8	-0.2539	0.0013
LOC100506639	0.382	-0.2539	<0.0001
RN7SL449P	0	-0.2538	0.0004
GCNT1	0.861	-0.2538	0.001
LOC256880	0.446	-0.2538	0.0133
FAM47B	0.41	-0.2537	<0.0001
RN7SKP56	0	-0.2536	0.0004
TNRC6C	0.84	-0.2536	0.0031
RNY4P29	0	-0.2536	0.0396
ADAMTS8	0.769	-0.2536	<0.0001
INF2	0.892	-0.2535	0.01
HSPA7	0.602	-0.2532	0.0173
PKP3	0.723	-0.2532	<0.0001
FBXO33	0.783	-0.2531	0.0003
RUNX2	0.839	-0.2531	0.0009
OR13C2	0.64	-0.2531	0.0014
LINC00965	0.475	-0.2531	<0.0001
HCG11	0.56	-0.253	0.0024
MIR1275	0	-0.2529	<0.0001
OR1P1	0	-0.2528	0.0004
RNF217	0.842	-0.2526	0.0042
SPPL2C	0.758	-0.2525	0.0432
LOC101929154	0.014	-0.2525	<0.0001
NEK6	0.782	-0.2524	0.0008
TRIM74	0.639	-0.2522	0.0037
EVI2A	0.899	-0.2521	0.0045
NFIB	0.795	-0.252	0.0003
ADAMTSL4	0.916	-0.252	0.0156
LARGE-AS1	0.624	-0.252	0.027
KRTAP4-7	0.583	-0.252	<0.0001
TGFBR2	0.872	-0.2519	0.0041

SLC26A8	0.731	-0.2517	0.0002
NLRP7	0.599	-0.2517	<0.0001
CHCHD10	0.753	-0.2516	0.0012
IL36A	0.745	-0.2516	0.0136
DYSF	0.83	-0.2515	0.0005
JAK3	0.843	-0.2515	0.0006
C1orf68	0.805	-0.2515	0.0011
FCER2	0.897	-0.2515	0.004
LOC339352	0	-0.2515	0.0205
LOC101927018	0	-0.2515	<0.0001
NXNL2	0.656	-0.2513	0.0001
APOBR	0.786	-0.2512	0.0135
SRGAP3-AS3	0.044	-0.2511	0.0005
SLC40A1	0.818	-0.251	0.0021
B3GNT9	0.629	-0.2509	<0.0001
OR7E140P	0	-0.2508	<0.0001
OR2T2	0.633	-0.2507	0.0036
DDX19A	0.84	-0.2506	0.0009
PSTPIP1	0.814	-0.2504	0.0008
MPP1	0.851	-0.2504	0.0017
FXYD7	0.786	-0.2503	0.0002
S1PR3	0.798	-0.2503	0.0063
PAFAH1B1	0.882	-0.2502	0.0059
SLC26A4-AS1	0.525	-0.2502	0.0065
FRG2C	0.213	-0.2502	<0.0001
UPP2-IT1	0.449	-0.2501	0.0004
KCNE2	0.789	-0.25	0.0001
MARK2P13	0	-0.25	0.0012
FAM47C	0.835	-0.25	0.0019
NT5E	0.861	-0.25	0.0024
OR2W3	0.737	-0.2499	0.0017
MIR145	0.391	-0.2498	0.0259
MIR32	0.604	-0.2496	0.0388

TCN1	0.873	-0.2495	0.0033
CHDH	0.769	-0.2494	0.0003
CPA3	0.797	-0.2493	0.0001
HSFX1	0.624	-0.2493	0.0018
SPRR2F	0.811	-0.2493	0.0245
FAM162A	0.698	-0.2492	0.0001
PHF11	0.795	-0.2492	0.0004
RIMKLB	0.691	-0.2492	0.0007
ZNF80	0.665	-0.2492	<0.0001
LOC100287837	0.441	-0.2491	0.007
SCARNA7	0.575	-0.2491	0.0293
TMEM225	0.392	-0.2491	<0.0001
SFTA3	0.771	-0.249	0.0073
MARVELD1	0.463	-0.249	<0.0001
SPATA6	0.66	-0.249	<0.0001
GTF2IRD2	0.89	-0.2489	0.0077
SNORD43	0.596	-0.2489	0.0411
FOXP1-IT1	0.445	-0.2489	<0.0001
SLC15A3	0.828	-0.2487	0.0011
SPINK2	0.877	-0.2487	0.0062
IL22	0.625	-0.2487	<0.0001
CHN2	0.762	-0.2487	<0.0001
GSN	0.951	-0.2486	0.0454
LOC729737	0.329	-0.2486	<0.0001
COL18A1-AS1	0.739	-0.2484	0.0412
EIF5A	0.728	-0.2483	<0.0001
EPPIN	0	-0.2482	<0.0001
SPRED1	0.752	-0.248	0.0006
LOC101929762	0.107	-0.248	<0.0001
DEFB135	0.575	-0.2479	0.0008
TSPEAR-AS2	0.19	-0.2479	0.0009
TLR1	0.893	-0.2478	0.0079
FZD4	0.848	-0.2477	0.0011

MYLPF	0.853	-0.2477	0.0035
TTI2	0.731	-0.2477	0.0057
CDYL2	0.803	-0.2476	0.0007
SPATA22	0.707	-0.2474	0.0002
PI4K2B	0.791	-0.2474	0.0038
RBM25	0.901	-0.2474	0.0121
HTR2B	0.896	-0.2471	0.0053
DENND3	0.897	-0.2471	0.0056
ACOT11	0.834	-0.247	0.0007
CYP4F60P	0	-0.247	0.0013
GCLC	0.863	-0.2469	0.0016
BRD1	0.879	-0.2469	0.0071
LINC01455	0	-0.2468	0.0013
ERBB4	0.897	-0.2467	0.0051
PTCHD1	0.603	-0.2467	<0.0001
KIF27	0.625	-0.2467	<0.0001
ABCC2	0.798	-0.2465	0.0002
OR9Q2	0.499	-0.2465	<0.0001
ABR	0.836	-0.2464	0.0005
TTY2	0	-0.2464	<0.0001
KLHL4	0.784	-0.2462	0.0001
AK3P5	0	-0.2462	0.0014
KCNA6	0.912	-0.2462	0.0201
LOC151484	0.401	-0.2462	<0.0001
RTP5	0.722	-0.2461	0.0404
NHLRC4	0.819	-0.246	0.0171
SCG5	0.89	-0.2456	0.0077
DDO	0.83	-0.2455	0.0005
EIF1AY	0.374	-0.2455	<0.0001
IFIT1P1	0	-0.2454	0.0014
ZNF154	0.839	-0.2453	0.0019
HLA-K	0.317	-0.2452	0.0015
DAB1	0.861	-0.2452	0.0018

DNAJA2	0.845	-0.2451	0.0012
PTPRO	0.852	-0.2451	0.0024
FILIP1	0.86	-0.2451	0.0041
TMEM139	0.723	-0.245	0.0004
ZFPM1	0.86	-0.245	0.0078
P4HA3	0.75	-0.2449	0.0005
LCA5	0.817	-0.2449	0.0012
TUBB1	0.831	-0.2449	0.0025
APBA2	0.826	-0.2448	0.0004
WDTC1	0.844	-0.2448	0.0023
AREG	0.877	-0.2446	0.0053
CHAT	0.749	-0.2446	<0.0001
TRMT10A	0.551	-0.2445	0.0044
OR4Q2	0	-0.2445	0.0467
CD27	0.881	-0.2444	0.0046
LOC650293	0.596	-0.2441	0.0036
KRTAP1-1	0.681	-0.2439	0.0003
MAOA	0.87	-0.2439	0.0034
NFIC	0.92	-0.2439	0.0218
RFTN1	0.825	-0.2438	0.0011
ARAF	0.896	-0.2438	0.0049
CYBA	0.865	-0.2436	0.0018
FAM49A	0.86	-0.2436	0.0037
LOC441081	0.629	-0.2433	0.0339
UBE2DNL	0.842	-0.2432	0.0241
KCNQ1DN	0.773	-0.243	0.0016
PRSS50	0.786	-0.243	0.0113
HBQ1	0.91	-0.2428	0.0106
BEND2	0.452	-0.2428	<0.0001
PHC1	0.888	-0.2427	0.0193
DGKA	0.87	-0.2426	0.0034
TTY7	0.662	-0.2426	0.0151
REP15	0.804	-0.2426	0.0191

ATG5	0.737	-0.2425	<0.0001
PINK1-AS	0.662	-0.2424	0.0413
LOC100506731	0	-0.2424	<0.0001
TTY15	0.489	-0.2424	<0.0001
TRAPPC10	0.796	-0.2423	0.0062
FMO5	0.826	-0.2421	0.0005
CMAHP	0.281	-0.2421	<0.0001
ZNF549	0.609	-0.2421	<0.0001
SERPIND1	0.848	-0.242	0.0034
BAG4	0.778	-0.2419	0.0002
HCAR3	0.554	-0.2419	0.0018
ANKRD33B-AS1	0.372	-0.2418	0.0008
ADGRF3	0.447	-0.2418	0.001
OTOF	0.762	-0.2417	0.0002
CPB1	0.91	-0.2417	0.0095
GCNT2	0.676	-0.2417	<0.0001
KCNT2	0.869	-0.2416	0.0077
ZC3H7B	0.891	-0.2415	0.0114
SLC25A11	0.864	-0.2414	0.0035
TUSC7	0	-0.2414	<0.0001
NR3C1	0.901	-0.2413	0.0118
TRPC5	0.575	-0.2413	<0.0001
LAMC2	0.917	-0.2412	0.013
LOC100131496	0.658	-0.2411	0.0119
MTND1P10	0	-0.241	0.0017
SIK2	0.746	-0.2409	0.002
MGAT4D	0.069	-0.2408	0.0007
MYH11	0.858	-0.2408	0.0028
MIR200C	0.752	-0.2406	0.0392
RNF166	0.9	-0.2405	0.0274
MIR892A	0	-0.2405	0.0292
TARM1	0.35	-0.2405	<0.0001
STS	0.872	-0.2404	0.0056

SPRNP1	0.566	-0.2404	0.0454
GPR55	0.758	-0.2403	0.0003
MYL9	0.833	-0.2403	0.0015
CBX7	0.857	-0.2403	0.0016
KRT27	0.899	-0.2403	0.0147
MIR146A	0.004	-0.24	<0.0001
CHAD	0.891	-0.2399	0.0055
LRRC10	0.693	-0.2398	0.0007
SEC22B	0.879	-0.2398	0.0159
HAR1B	0.184	-0.2398	<0.0001
MIR301B	0.023	-0.2397	<0.0001
DKFZp779M0652	0.63	-0.2396	0.0078
ADAM19	0.896	-0.2395	0.0067
SMCO4	0.743	-0.2395	0.0218
MIR1202	0.203	-0.2395	<0.0001
HELB	0.898	-0.2394	0.0156
RSL24D1P2	0	-0.2393	0.0019
SBDS	0.86	-0.239	0.0362
SPO11	0.663	-0.239	<0.0001
IQCA1L	0	-0.2389	0.0023
CCAT2	0.332	-0.2389	0.0023
KIAA1191	0.798	-0.2388	0.0011
SETD7	0.788	-0.2388	0.0017
PSMB11	0.707	-0.2388	0.017
CES1	0.911	-0.2388	0.0351
SLC26A1	0.726	-0.2387	0.0001
AP1AR	0.847	-0.2387	0.0175
LINC00398	0	-0.2385	0.0005
LINC00208	0.714	-0.2384	0.0288
TXNRD2	0.794	-0.2383	0.0009
DNAH6	0.777	-0.2382	0.0006
CLEC1A	0.817	-0.2382	0.0006
STYK1	0.377	-0.2382	<0.0001

JSRP1	0.861	-0.2381	0.0045
CHRNA10	0.895	-0.2381	0.0077
LINC00863	0	-0.238	0.0018
PRKACA	0.898	-0.238	0.0128
TTY1	0.726	-0.238	0.0432
LOC101927769	0	-0.238	<0.0001
RETN	0.775	-0.2378	0.0006
GPA33	0.882	-0.2376	0.0041
F10	0.888	-0.2376	0.0058
CKMT2	0.896	-0.2376	0.0062
MYBPC3	0.894	-0.2375	0.0099
UFL1	0.715	-0.2374	0.0076
PYGM	0.89	-0.2374	0.0104
SLC2A3	0.885	-0.2374	0.0127
MOCS1	0.901	-0.2374	0.0159
ZNF275	0.745	-0.2373	0.0009
ACAD10	0.842	-0.2373	0.0014
GFPT2	0.882	-0.2373	0.0043
ARGFXP2	0.586	-0.2372	0.0082
PLEKHA7	0.896	-0.2372	0.026
HNF1B	0.745	-0.2371	0.0005
GLI3	0.896	-0.2371	0.0069
RAB12	0.749	-0.2369	0.001
CALML5	0.834	-0.2369	0.0014
ZNF597	0.615	-0.2369	<0.0001
GNAT2	0.837	-0.2368	0.0031
ZNF415	0.642	-0.2368	<0.0001
DUTP1	0	-0.2367	0.001
CD80	0.883	-0.2367	0.0046
ISYNA1	0.784	-0.2366	0.0006
FRG2B	0.605	-0.2366	0.0041
C4orf50	0.677	-0.2364	0.018
RERGL	0.535	-0.2364	<0.0001

LTF	0.808	-0.2363	0.0006
RNU6-1199P	0	-0.2362	0.001
PLA2G12B	0.748	-0.2361	0.0017
SRRM1	0.902	-0.2361	0.0172
DNAJC28	0.773	-0.236	0.0013
TUBB6	0.897	-0.236	0.0151
HMGB4	0.608	-0.2357	<0.0001
TFB1M	0.781	-0.2355	0.0006
MYO3B	0.795	-0.2354	0.0022
APOL2	0.61	-0.2354	<0.0001
IQCF5	0.755	-0.2353	0.0189
IFNG	0.652	-0.2353	<0.0001
MS4A14	0.857	-0.2352	0.0176
PTER	0.67	-0.2352	<0.0001
CGNL1	0.805	-0.2351	0.0034
RNU4-53P	0	-0.235	0.0009
IQSEC2	0.823	-0.2349	0.001
LRRTM1	0.864	-0.2348	0.0074
TAF4B	0.769	-0.2347	0.0006
SFMBT2	0.516	-0.2347	<0.0001
FLJ20712	0.844	-0.2345	0.0472
LINC01081	0.02	-0.2343	0.0028
HOXA2	0.594	-0.2343	<0.0001
ENGASE	0.881	-0.2342	0.0375
KIAA1211	0.61	-0.2341	0.0002
DUTP7	0	-0.2341	0.0024
TBC1D3F	0.554	-0.2341	0.0334
LINC00326	0.654	-0.2339	0.0195
MIR488	0	-0.2339	0.0344
LRRC47	0.702	-0.2339	<0.0001
ZNF667	0.778	-0.2338	0.0006
ZNF808	0.607	-0.2337	<0.0001
HAP1	0.724	-0.2337	<0.0001

KDM4B	0.883	-0.2336	0.0441
WNT10A	0.815	-0.2335	0.0034
NOTCH2	0.746	-0.2334	0.0003
BCO1	0	-0.2334	0.0013
LINC00254	0.035	-0.2331	0.002
PTPN6	0.875	-0.2331	0.0068
KCNH3	0.78	-0.233	0.0007
ANKRD20A2	0.559	-0.233	0.0132
PCSK4	0.881	-0.233	0.0192
ARGLU1	0.914	-0.2329	0.0361
SMIM10	0.213	-0.2328	<0.0001
UGT2B17	0.746	-0.2325	0.0003
SLC23A3	0.821	-0.2325	0.0045
FAM189A2	0.571	-0.2324	0.0002
P2RX3	0.851	-0.2324	0.0033
GOLIM4	0.734	-0.2323	0.0003
RN7SL328P	0	-0.2322	0.0012
FXYD5	0.864	-0.2322	0.0033
AHSP	0.838	-0.2322	0.0082
MIR367	0	-0.2321	<0.0001
LINC00507	0.614	-0.232	0.0281
MIR524	0.037	-0.232	0.036
MIR1471	0.07	-0.2318	<0.0001
ODF3	0.662	-0.2317	0.0005
TC2N	0.767	-0.2317	0.0016
NUDT12	0.809	-0.2317	0.0038
SNORD114-17	0	-0.2317	0.0234
ZDHHC21	0.876	-0.2316	0.0183
UNCX	0.708	-0.2315	0.0113
MIR302E	0	-0.2315	<0.0001
USP18	0.721	-0.2314	0.0015
SETP5	0	-0.2314	0.0026
TNMD	0.756	-0.2313	0.0004

SNORA7B	0.343	-0.2313	<0.0001
LOC100507389	0.453	-0.2312	<0.0001
RNU6-944P	0	-0.2311	0.0013
STYX	0.799	-0.2311	0.0029
VCAM1	0.912	-0.2309	0.0229
ZNF132	0.816	-0.2308	0.0014
RPS7P6	0	-0.2308	0.0027
LGR4	0.736	-0.2307	0.0001
MAPK15	0.748	-0.2306	0.0003
DPRX	0.704	-0.2306	0.0012
MIR515-2	0	-0.2306	0.0383
MIR1305	0.466	-0.2306	<0.0001
LINC01340	0	-0.2305	0.0026
MYOZ2	0.879	-0.2305	0.0079
DCTN6	0.849	-0.2304	0.002
SLC22A2	0.845	-0.2304	0.0035
GJD3	0.9	-0.2304	0.0316
TMEM247	0.42	-0.2303	0.0315
EPHB3	0.882	-0.2302	0.0056
CD52	0.906	-0.2301	0.0126
HOOK2	0.905	-0.2301	0.0131
RALYL	0.67	-0.23	0.0001
HIVEP3	0.775	-0.23	0.0003
SLC25A41	0.784	-0.23	0.002
SGK2	0.835	-0.23	0.0038
AQP12B	0.843	-0.2298	0.0266
STK38L	0.809	-0.2297	0.0019
DPP10	0.808	-0.2297	0.002
LYRM9	0.502	-0.2296	0.002
WDR78	0.54	-0.2296	<0.0001
HEPH	0.895	-0.2295	0.0086
FOLR3	0.905	-0.2295	0.0135
LOC647070	0.702	-0.2295	0.0498

REV1	0.874	-0.2291	0.0112
MALT1	0.921	-0.229	0.0224
TMEM37	0.44	-0.229	<0.0001
RN7SKP240	0.447	-0.2289	0.0013
KIR2DL5B	0.366	-0.2289	<0.0001
CARD19	0	-0.2288	0.0019
C1QTNF9	0.765	-0.2287	0.0052
PRAMENP	0	-0.2286	0.0012
PLCH2	0.821	-0.2286	0.0023
DND1P1	0	-0.2286	0.003
RPL29P14	0.114	-0.2286	0.003
THPO	0.866	-0.2286	0.0084
PPCS	0.75	-0.2284	0.0009
KLK14	0.864	-0.2284	0.0044
HIGD1C	0.761	-0.2284	0.0143
LOC401357	0.6	-0.2283	0.0248
C16orf72	0.81	-0.2281	0.002
MIR98	0.354	-0.2281	0.014
CSH2	0.673	-0.2278	0.001
MVK	0.849	-0.2277	0.0041
KIAA0408	0.928	-0.2277	0.0496
GCNT7	0.706	-0.2276	0.0004
MIR320B1	0	-0.2276	<0.0001
MRPS36	0.655	-0.2275	0.0003
NUTM1	0.732	-0.2275	0.0471
BTBD18	0.608	-0.2274	0.002
FAHD1	0.86	-0.2274	0.0068
SLC5A12	0.67	-0.2273	0.0001
OR2V1	0	-0.2271	0.0006
ABCC3	0.893	-0.2271	0.0088
PHF24	0	-0.2267	0.0027
IFT57	0.855	-0.2267	0.0037
PIGL	0.92	-0.2267	0.0321

RBM6	0.932	-0.2267	0.0481
LOC101928940	0.367	-0.2267	<0.0001
DEFT1P	0.535	-0.2266	0.0094
UFM1	0.922	-0.2266	0.0365
AKT3-IT1	0.021	-0.2265	0.0016
OVOL2	0.747	-0.2264	0.0005
TCEAL6	0.769	-0.2263	0.022
CTXN3	0.476	-0.2263	<0.0001
CD83	0.936	-0.2262	0.0415
ZFP42	0.754	-0.226	0.0024
CCR9	0.899	-0.226	0.0106
TP53AIP1	0.701	-0.2258	0.0014
RNF216-IT1	0.356	-0.2258	0.0016
FBN2	0.842	-0.2258	0.0018
ERVH-1	0.34	-0.2257	<0.0001
ACSS3	0.736	-0.2256	0.0008
RBM43	0.807	-0.2256	0.0045
HBM	0.835	-0.2256	0.0048
FOXD4L4	0.628	-0.2256	0.01
MAGI2	0.868	-0.2255	0.0046
IL4	0.632	-0.2255	<0.0001
TRIM69	0.86	-0.2253	0.0133
THEGL	0.083	-0.2251	0.0006
C2orf50	0.849	-0.225	0.0086
NECAP1	0.879	-0.225	0.0142
COL11A2	0.816	-0.2249	0.001
SPATA31A1	0.204	-0.2249	0.0011
DNAJB4	0.866	-0.2249	0.0048
DRAIC	0	-0.2248	0.003
SLC9A4	0.784	-0.2248	0.0398
EPHA6	0.749	-0.2247	0.0007
OR51H1	0	-0.2245	0.0038
LXN	0.894	-0.2245	0.0096

DPYSL2	0.9	-0.2245	0.0122
PTAFR	0.905	-0.2245	0.0213
SYT4	0.69	-0.2244	0.0007
FLJ44635	0.588	-0.2243	0.0081
SON	0.875	-0.2243	0.0096
LOC100131635	0.444	-0.2243	<0.0001
AQP11	0.647	-0.2243	<0.0001
PCDHGC3	0.824	-0.2242	0.0119
LRP1	0.913	-0.2242	0.0194
CBX5P1	0	-0.2241	0.0036
CYP46A1	0.87	-0.224	0.0055
PGRMC1	0.837	-0.2237	0.0035
TOR1A	0.897	-0.2237	0.0194
CMPK2	0.801	-0.2236	0.005
PSMB10	0.879	-0.2236	0.0139
FBXW12	0.757	-0.2235	0.0004
PCNPP5	0	-0.2235	0.0014
GATA4	0.824	-0.2235	0.0017
PTGER1	0.848	-0.2235	0.0042
HLA-DRB4	0.807	-0.2234	0.0041
SLC23A1	0.697	-0.2232	0.0005
MIR1-2	0	-0.2231	<0.0001
SELENOI	0	-0.223	0.0027
ERVH-6	0	-0.2229	<0.0001
CX3CL1	0.857	-0.2228	0.0036
RNVU1-19	0.36	-0.2227	0.002
HEATR4	0.807	-0.2227	0.0039
HSPB2	0.895	-0.2227	0.0114
ACBD5	0.786	-0.2226	0.0016
MOCOS	0.776	-0.2226	0.0019
ARHGEF4	0.848	-0.2224	0.0024
SELENOV	0	-0.2224	0.0033
ITGBL1	0.875	-0.2224	0.0065

RNU2-63P	0.048	-0.2223	0.002
CD22	0.774	-0.2221	0.0005
RPL26	0.829	-0.2221	0.0219
PIEZO1	0.587	-0.2219	0.0027
GP9	0.89	-0.2219	0.0098
UNC79	0.747	-0.2217	0.0251
NAALAD2	0.545	-0.2217	<0.0001
TMPRSS13	0.68	-0.2216	0.0004
TNFRSF14	0.886	-0.2216	0.0149
LOC100130476	0	-0.2216	<0.0001
HSD17B11	0.807	-0.2215	0.0012
NOG	0.726	-0.2214	0.0011
ZNF354C	0.747	-0.2214	0.0017
OR13C8	0.711	-0.2213	0.0059
ALDH3A2	0.893	-0.2213	0.0112
SYCE1	0.863	-0.2213	0.0197
PPP3CA	0.9	-0.2213	0.0201
TPGS1	0.782	-0.2213	0.0494
LTBP3	0.857	-0.2212	0.0037
C12orf77	0.803	-0.2212	0.0293
IDS	0.887	-0.2211	0.0086
CXCR5	0.771	-0.2209	0.0019
TTC8	0.756	-0.2209	0.0023
BTD	0.919	-0.2209	0.026
BIVM	0.701	-0.2207	0.0002
ATP1B3-AS1	0	-0.2207	0.0016
RNU6-313P	0.361	-0.2207	0.0022
RPL17P17	0	-0.2207	0.0041
PPP1R27	0.722	-0.2207	0.0275
SLFN5	0.74	-0.2205	0.0016
ZNF800	0.839	-0.2205	0.0109
SETX	0.9	-0.2205	0.0278
SIAH1	0.902	-0.2203	0.0234

SLC36A3	0.531	-0.2202	0.0003
ANKRD17	0.825	-0.2201	0.0022
HBBP1	0.849	-0.2201	0.0126
PCDH11Y	0.505	-0.2199	0.0001
UBR3	0.808	-0.2199	0.0189
MEF2A	0.918	-0.2199	0.025
IFIH1	0.827	-0.2197	0.0023
HPCAL4	0.769	-0.2196	0.0004
RN7SL359P	0	-0.2196	0.0022
IQCJ	0.689	-0.2196	0.0072
C2orf70	0.569	-0.2194	0.0014
PNPLA8	0.759	-0.2194	0.0022
COA5	0.325	-0.2194	<0.0001
RN7SL672P	0	-0.2193	0.0023
TSPAN4	0.907	-0.2193	0.0306
ANKRD53	0.784	-0.2192	0.0008
ANKK1	0.79	-0.2192	0.0045
SMG6-IT1	0	-0.2192	0.0049
SERHL2	0.906	-0.2192	0.0353
KCTD9P2	0	-0.2191	0.0018
OR52H1	0.388	-0.2191	<0.0001
DLGAP2-AS1	0.427	-0.2191	<0.0001
PCDHB15	0.632	-0.219	0.0002
TDH	0.753	-0.2189	0.0053
C16orf90	0.68	-0.2189	0.0174
XAGE3	0.845	-0.2188	0.0126
SLC15A2	0.898	-0.2188	0.0205
ZNF577	0.9	-0.2188	0.0422
C1QL2	0.795	-0.2187	0.0062
SLC12A6	0.79	-0.2186	0.0018
HSPB7	0.825	-0.2184	0.0019
SYDE1	0.813	-0.2184	0.0034
PLCE1-AS2	0.344	-0.2184	0.0053

PHLPP1	0.783	-0.2184	0.0093
MIR6765	0	-0.2183	0.0052
TTYH1	0.872	-0.2182	0.0105
MIR382	0.336	-0.2182	<0.0001
RN7SL186P	0	-0.2181	0.0024
RN7SKP273	0	-0.218	0.0021
TERB2	0	-0.2177	0.0034
EPS8L2	0.878	-0.2177	0.0094
LINC01206	0.248	-0.2177	<0.0001
PACSIN3	0.632	-0.2177	<0.0001
LRRC28	0.788	-0.2175	0.002
C9orf131	0.822	-0.2175	0.0055
AP5M1	0.711	-0.2175	0.0254
SLC30A4	0.659	-0.2174	0.0001
PTCH2	0.9	-0.2174	0.025
GFI1B	0.724	-0.2173	0.0002
TJP3	0.739	-0.2173	0.0006
PMCHL2	0.789	-0.2173	0.0393
CASC1	0.715	-0.2172	0.0001
RORC	0.903	-0.2172	0.0236
HLA-DPA1	0.92	-0.217	0.0409
LINC00552	0.027	-0.2169	0.0015
CTAGE10P	0.333	-0.2168	0.0001
RPS6KA5	0.811	-0.2167	0.0026
C7orf71	0.549	-0.2167	0.0471
PRDM11	0.76	-0.2166	0.0011
TRMO	0	-0.2166	0.0034
ALKBH3-AS1	0.584	-0.2165	0.0358
KLHDC7A	0.697	-0.2164	0.0003
DOK3	0.795	-0.2164	0.0011
SLC25A26	0.799	-0.2164	0.0054
LINC00641	0.118	-0.2164	<0.0001
LOC90246	0.427	-0.2164	<0.0001

DDX3Y	0.693	-0.2164	<0.0001
SECISBP2L	0.806	-0.2163	0.0127
PGAP3	0.697	-0.2162	0.0026
SNORD113-8	0.4	-0.2162	0.0351
SMIM10L2B	0	-0.2161	0.0046
RASSF6	0.71	-0.216	0.0009
LINC00301	0.689	-0.2157	0.0411
FLJ45513	0.352	-0.2157	<0.0001
SPEM1	0.815	-0.2156	0.0213
MIR16-1	0.112	-0.2155	0.0001
ADIPOQ	0.894	-0.2155	0.015
CCL22	0.862	-0.2154	0.0051
CDC42EP2	0.884	-0.2154	0.0119
ITGAL	0.866	-0.2153	0.0057
S100B	0.871	-0.2153	0.0107
TBCK	0.77	-0.2153	0.0144
WFIKKN2	0.819	-0.2152	0.0078
ECH1	0.894	-0.215	0.0173
PPIHP1	0.462	-0.2149	0.0053
ITGB2	0.867	-0.2149	0.0059
CAPN6	0.874	-0.2149	0.0092
BATF2	0.609	-0.2147	<0.0001
RNFT1	0.695	-0.2146	0.0018
LINC00856	0	-0.2146	<0.0001
CD40	0.841	-0.2144	0.003
OR10AA1P	0.299	-0.2143	0.0029
RPL13P4	0	-0.2142	0.0053
KIFC3	0.874	-0.2142	0.0112
RNF149	0.842	-0.2142	0.0152
OOSP2	0	-0.214	<0.0001
SNX10	0.843	-0.2139	0.0062
FAM205BP	0	-0.2138	0.0041
RTTN	0.77	-0.2138	0.0044

MON1B	0.855	-0.2137	0.0105
SLC2A12	0.869	-0.2137	0.026
KRT80	0.805	-0.2134	0.0032
SPCS3	0.897	-0.2133	0.0298
RN7SL517P	0	-0.2132	0.003
COL9A3	0.846	-0.2132	0.0055
MAK16	0.826	-0.2132	0.0099
KIR2DS4	0.838	-0.2131	0.0151
IGFBP7	0.904	-0.2131	0.0193
CCK	0.863	-0.213	0.0072
DPPA3	0.557	-0.2129	0.0015
CIDEA	0.77	-0.2128	0.0012
GPC6	0.794	-0.2128	0.002
PRKX	0.812	-0.2128	0.0031
C20orf85	0.816	-0.2127	0.0086
MIB2	0.906	-0.2127	0.0353
VIP	0.865	-0.2126	0.0105
L2HGDH	0.878	-0.2125	0.0127
CDKN1B	0.896	-0.2125	0.0163
SLC19A2	0.886	-0.2125	0.0198
SDK2	0.85	-0.2124	0.0092
CTRB2	0.882	-0.2124	0.0218
SAMD8	0.843	-0.2122	0.0162
COBL	0.729	-0.2121	0.0003
CCDC179	0	-0.2121	0.0014
KCNQ5-AS1	0	-0.2121	0.0032
NMRK2	0.639	-0.2121	0.0126
IRF1	0.896	-0.2121	0.0157
MAPK8	0.9	-0.2121	0.0176
SUSD3	0.374	-0.2121	<0.0001
RN7SL181P	0.335	-0.212	0.0032
USP41	0.756	-0.212	0.0453
CNTLN	0.892	-0.2119	0.0336

MIR1294	0.272	-0.2117	0.0002
NLGN4X	0.757	-0.2117	0.0013
MS4A5	0.717	-0.2116	0.0008
KRT78	0.906	-0.2116	0.0376
GP5	0.898	-0.2115	0.0233
PIRT	0.826	-0.2114	0.0494
MIR1207	0.302	-0.2113	0.0002
LINC01485	0	-0.2112	0.0056
LRRTM2	0.609	-0.2112	<0.0001
UPK3B	0.676	-0.2111	0.0004
DFFB	0.889	-0.211	0.0159
CMA1	0.838	-0.2109	0.0036
NUDT13	0.837	-0.2109	0.0077
MRPL1	0.864	-0.2109	0.0248
KDM5D	0.473	-0.2108	<0.0001
ZNF123P	0	-0.2107	0.0062
BAIAP3	0.887	-0.2107	0.0126
STARD10	0.832	-0.2107	0.0129
NPTXR	0.678	-0.2106	0.0002
AVP	0.776	-0.2106	0.0009
UST-AS1	0.004	-0.2106	0.0053
ROM1	0.873	-0.2106	0.0127
HSF5	0.627	-0.2105	0.0001
LOC389199	0.835	-0.2105	0.0468
LINGO2	0.484	-0.2105	<0.0001
TTY5	0.683	-0.2104	0.0023
MERTK	0.824	-0.2104	0.0026
VWA3A	0.72	-0.2102	0.0023
USP47	0.793	-0.2102	0.003
MIR1302-5	0.14	-0.2102	<0.0001
DDX58	0.817	-0.2101	0.0033
SFTPB	0.893	-0.2101	0.0213
TCN2	0.896	-0.2101	0.0244

C12orf54	0.639	-0.21	0.0003
BTNL2	0.675	-0.21	0.0003
CCL24	0.888	-0.21	0.0152
POLR2C	0.898	-0.2098	0.0268
CCNL2	0.906	-0.2097	0.0329
GPRC5A	0.794	-0.2096	0.0014
FSTL3	0.811	-0.2096	0.0019
UBQLNL	0.772	-0.2093	0.0041
TEPP	0.676	-0.2092	0.0025
CELF2-AS2	0.413	-0.2092	0.0036
MTRF1L	0.624	-0.2091	<0.0001
RNU2-28P	0.335	-0.209	0.0033
KLHDC2	0.83	-0.209	0.004
OR10H5	0.527	-0.209	0.0055
LOC100507221	0.175	-0.2089	0.0002
CTNND1	0.896	-0.2089	0.0332
LINC00337	0.528	-0.2088	0.0188
WFDC5	0.59	-0.2087	0.0003
TTY6B	0.4	-0.2087	0.0007
TAS1R3	0.797	-0.2087	0.0198
LEFTY1	0.663	-0.2086	0.0001
MKX	0.65	-0.2086	0.0005
PROCR	0.833	-0.2086	0.0055
SLPI	0.875	-0.2086	0.0161
RN7SL268P	0	-0.2085	0.0037
NPHP4	0.803	-0.2084	0.0037
GRXCR2	0.589	-0.2083	0.008
CALD1	0.879	-0.2083	0.0122
MDFIC	0.766	-0.2082	0.0009
UBAP1	0.705	-0.2081	0.0005
TRIAP1	0.731	-0.2079	0.001
HEMK1	0.889	-0.2079	0.0172
MTURN	0.519	-0.2079	0.0315

RASSF8	0.77	-0.2077	0.0021
PLAUR	0.903	-0.2077	0.0311
LOC100996251	0.386	-0.2077	<0.0001
MIR96	0	-0.2076	0.0247
SPTLC3	0.703	-0.2075	0.0006
FAM78A	0.869	-0.2074	0.0325
MYH3	0.912	-0.2074	0.0418
FAM92A1P2	0.191	-0.2073	0.0012
ZNF418	0.835	-0.2073	0.0177
PTPRE	0.743	-0.2071	0.0011
LGALS2	0.896	-0.2071	0.0181
HIPK3	0.916	-0.207	0.0346
EXOC5P1	0	-0.2069	0.004
IQSEC3	0.596	-0.2069	<0.0001
PPTC7	0.593	-0.2067	0.0002
VN1R2	0.65	-0.2067	0.0007
ZNF814	0.526	-0.2067	0.0012
P4HTM	0.68	-0.2067	0.0026
RN7SL55P	0	-0.2067	0.004
HOXB6	0.889	-0.2067	0.0139
KRTAP12-4	0.622	-0.2066	0.001
KRT18P25	0.338	-0.2066	0.0073
BBIP1	0.781	-0.2065	0.043
LRRN4	0.698	-0.2064	0.0023
ADCY7	0.861	-0.2064	0.0076
TMEM176B	0.63	-0.2063	0.0001
ACAT2	0.706	-0.2063	0.0002
GOLT1A	0.711	-0.2062	0.0008
P2RX5	0.87	-0.2062	0.0141
SOD3	0.871	-0.2062	0.0154
MIR200B	0.417	-0.2062	<0.0001
GGCX	0.848	-0.2061	0.0055
BAG1	0.891	-0.2061	0.0161

SHROOM2	0.907	-0.2061	0.0385
TBX1	0.673	-0.206	0.0003
OR56B1	0.76	-0.2059	0.0124
GJC2	0.641	-0.2058	0.0003
MGC2889	0.639	-0.2057	0.0405
DUXAP1	0.465	-0.2056	0.0076
IGSF22	0.858	-0.2056	0.0133
WVOX	0.891	-0.2056	0.0243
PPP1R26	0.663	-0.2054	0.0124
OCEL1	0.862	-0.2054	0.0132
DENND4C	0.625	-0.2054	<0.0001
CSH1	0.658	-0.2051	0.0004
SMCR5	0.599	-0.2051	0.0017
KCNK3	0.865	-0.2051	0.008
RN7SKP258	0	-0.205	0.0039
TMEM217	0.809	-0.2049	0.0231
DCLK2	0.631	-0.2048	<0.0001
OR2L1P	0.763	-0.2047	0.0256
LOC100287175	0.499	-0.2047	0.0302
GRAP2	0.732	-0.2046	0.0005
HES3	0.645	-0.2046	0.0021
NOBOX	0.756	-0.2046	0.0079
MIR210	0.527	-0.2046	0.0177
CCR5	0.908	-0.2046	0.0353
CYMP	0.747	-0.2046	0.0362
BPI	0.846	-0.2045	0.0127
DRD1	0.904	-0.2045	0.0235
CAMK1D	0.788	-0.2044	0.0016
HADHA	0.899	-0.2043	0.0221
AZU1	0.865	-0.2042	0.0081
VWA5A	0.566	-0.2041	0.0005
FLG-AS1	0.599	-0.204	0.0487
LOC728196	0	-0.204	<0.0001

NLGN3	0.868	-0.2039	0.0183
OR13C4	0.737	-0.2038	0.0056
FGF10	0.848	-0.2037	0.014
MIR138-1	0.648	-0.2037	0.0378
KNDC1	0.717	-0.2036	0.001
FAM71D	0.67	-0.2036	0.0011
TGFB1I1	0.764	-0.2036	0.0015
DNAJB9	0.824	-0.2036	0.0044
COMMD6	0.908	-0.2036	0.0474
LOC100996385	0	-0.2035	0.0002
AVIL	0.799	-0.2035	0.0023
CYP26C1	0.73	-0.2034	0.0041
RUSC2	0.878	-0.2033	0.0222
FAM205A	0	-0.2032	<0.0001
LOC100130992	0.39	-0.2032	<0.0001
ODF3L2	0.569	-0.2031	0.0014
RN7SKP197	0	-0.2031	0.0093
MIR1302-1	0.292	-0.2028	0.0004
THSD7B	0.761	-0.2028	0.0054
NPAS3	0.708	-0.2027	0.0007
LOC541473	0.596	-0.2027	0.0319
MIR135A2	0.29	-0.2023	0.0001
NLRP8	0.708	-0.2023	0.0022
GH1	0.918	-0.2023	0.045
UMOD	0.864	-0.2022	0.0145
NEUROD6	0.755	-0.202	0.0025
CNTN1	0.837	-0.202	0.0051
LRP2BP	0.861	-0.202	0.0101
CEACAM8	0.896	-0.2019	0.0232
CACNA2D2	0.841	-0.2018	0.0049
CSNK1A1P1	0.355	-0.2018	<0.0001
KATNAL1	0.846	-0.2017	0.0123
GPR179	0.83	-0.2017	0.0292

RN7SL265P	0	-0.2016	0.005
C2orf72	0.803	-0.2016	0.0444
SLAMF1	0.884	-0.2015	0.0236
SCN3B	0.506	-0.2014	<0.0001
SLF2	0	-0.2013	0.0062
TNFAIP8L1	0.804	-0.2013	0.0114
BTBD17	0.62	-0.2011	0.0024
C5orf52	0.564	-0.2011	0.0368
TIMP1	0.906	-0.2011	0.0389
GALNT9	0.686	-0.2008	0.0007
KCNMB2	0.866	-0.2008	0.0127
VWC2L-IT1	0	-0.2007	0.0052
MFN2	0.847	-0.2007	0.0081
XPNPEP2	0.433	-0.2007	<0.0001
VEGFC	0.776	-0.2006	0.0032
SMIM6	0.066	-0.2006	<0.0001
KCNAB1-AS1	0.484	-0.2005	0.0053
ZNF705B	0.298	-0.2004	0.0034
STAC	0.864	-0.2003	0.0165
LOC100128164	0.637	-0.2003	0.0364
SGMS1-AS1	0	-0.2002	0.0086
PMP22	0.856	-0.2002	0.0132
SPEG	0.827	-0.2001	0.0184
LOC100131257	0.154	-0.1998	0.0004
SLC27A1	0.654	-0.1997	0.001
ARHGAP29	0.901	-0.1997	0.0288
LOC100631378	0.209	-0.1996	0.0001
GBP3	0.754	-0.1996	0.0026
NLRP6	0.789	-0.1996	0.009
SLC38A3	0.883	-0.1996	0.0339
CCDC57	0.723	-0.1995	0.0006
LINC00304	0.328	-0.1995	<0.0001
IGHD2-2	0	-0.1994	0.0051

SLC35G3	0.569	-0.1994	0.0212
NPHP3-AS1	0.397	-0.1993	<0.0001
LOC101927709	0	-0.1992	0.0003
RIN3	0.871	-0.1992	0.0232
ABTB2	0.813	-0.1991	0.004
TBC1D23	0.788	-0.1991	0.0089
UTP14C	0.851	-0.199	0.0464
PSD	0.808	-0.1989	0.0047
LINC01393	0	-0.1989	<0.0001
KCNK15	0.725	-0.1986	0.0006
CASP9	0.833	-0.1986	0.0048
RNF167	0.791	-0.1986	0.0087
TRPM7	0.878	-0.1986	0.0429
DEFB108B	0.752	-0.1985	0.0126
KRTAP4-6	0.516	-0.1985	0.0173
POLR2A	0.902	-0.1985	0.0476
LINC00106	0.393	-0.1984	0.0029
CAST	0.71	-0.1983	0.001
LOC100049716	0.337	-0.1983	<0.0001
RAP1GAP2	0.558	-0.1982	0.0011
IBTK	0.769	-0.1982	0.0017
UBXN6	0.635	-0.1982	0.0091
OR52N4	0.742	-0.1982	0.0124
STARD4	0.853	-0.1982	0.0297
RPL31P11	0.384	-0.1979	0.0012
ESR2	0.869	-0.1979	0.0121
CLDN22	0.728	-0.1979	0.0265
MIR129-1	0	-0.1977	0.0002
ZSWIM2	0.683	-0.1977	0.0025
SIRPB2	0.713	-0.1977	0.0025
MIR299	0.611	-0.1975	0.0337
SMAP2	0.64	-0.1974	0.0026
LINC00608	0.177	-0.1973	<0.0001

PP2D1	0.693	-0.1972	0.032
CHRNA9	0.77	-0.1971	0.0021
HTR6	0.862	-0.1971	0.0102
SH3TC2	0.686	-0.197	0.0007
CACNA2D4	0.804	-0.197	0.0065
RPL7P3	0	-0.197	0.0104
OR2M1P	0	-0.197	<0.0001
ATP8A1	0.623	-0.197	<0.0001
HCRTR1	0.778	-0.1969	0.0022
LINC00686	0	-0.1969	0.0029
KRTAP10-5	0.798	-0.1969	0.0195
CRYM	0.91	-0.1969	0.0363
KIR2DL4	0.862	-0.1968	0.0113
CTRC	0.92	-0.1967	0.0466
RNU6-605P	0	-0.1964	0.0063
SORCS1	0.787	-0.1964	0.0114
TEPSIN	0.362	-0.1963	0.0094
GPX1P1	0	-0.1961	0.0107
PRTN3	0.899	-0.1961	0.0377
GPHB5	0.739	-0.196	0.004
TMEM179	0.775	-0.196	0.0098
C10orf71	0.754	-0.1959	0.0106
TSPYL4	0.854	-0.1959	0.0183
EVPLL	0.737	-0.1959	0.0246
OR5AZ1P	0	-0.1958	0.0064
SENP8	0.79	-0.1958	0.0103
ANTXR1	0.862	-0.1958	0.0112
MCTS2P	0.415	-0.1958	0.0122
POU5F1B	0.756	-0.1958	0.0356
CHST3	0.758	-0.1957	0.0016
IL25	0.761	-0.1957	0.0019
RN7SL334P	0.308	-0.1957	0.0065
MTND4P9	0	-0.1957	0.011

TBC1D3P2	0	-0.1957	<0.0001
LINC01405	0.004	-0.1957	<0.0001
EMILIN3	0.772	-0.1955	0.006
LOC102724511	0	-0.1954	0.0004
LGI4	0.816	-0.1954	0.0087
LOC101929512	0	-0.1953	0.0004
PTPRT	0.816	-0.1953	0.0067
PTH2	0.725	-0.1953	0.0118
NAPEPLD	0.796	-0.1953	0.0193
IDH2	0.879	-0.1952	0.0173
PNPLA5	0.818	-0.1952	0.0201
LOC440040	0.098	-0.1951	<0.0001
WNT7B	0.654	-0.195	0.0007
RYBP	0.713	-0.195	0.0015
SFT2D1	0.806	-0.195	0.0134
SYCE1L	0.76	-0.195	0.0189
SLC4A1	0.869	-0.195	0.0265
ADAM6	0.861	-0.195	0.0422
ZFP36L2	0.885	-0.1949	0.0291
BNIP3	0.895	-0.1948	0.0274
ADAMTSL1	0.829	-0.1947	0.0121
DECR2	0.87	-0.1947	0.0204
PRDM5	0.637	-0.1946	0.0003
PLCD1	0.882	-0.1946	0.0288
TMEM158	0.888	-0.1946	0.0377
FOXR1	0.678	-0.1944	0.0012
DNAJB8-AS1	0	-0.1944	<0.0001
MATN4	0.789	-0.1943	0.0028
OR7E8P	0	-0.1943	0.0069
HSFY2	0.712	-0.1943	0.0232
PRDM1	0.875	-0.1943	0.0272
OR5K2	0.64	-0.1942	0.0058
ANKUB1	0.561	-0.1942	0.024

FOXRED1	0.756	-0.194	0.0032
JPH4	0.735	-0.194	0.0062
LINC01222	0	-0.194	<0.0001
CARHSP1	0.882	-0.1939	0.0219
SDF4	0.761	-0.1938	0.0036
CADM2-AS2	0	-0.1938	0.007
BANK1	0.848	-0.1938	0.0096
SPINK9	0.726	-0.1938	0.0151
THAP6	0.757	-0.1937	0.0079
CLDN5	0.889	-0.1937	0.0222
GRIK3	0.817	-0.1936	0.0044
COQ8B	0.335	-0.1936	0.0091
SPATA42	0	-0.1936	<0.0001
FGF20	0.635	-0.1935	0.0002
LOC101927907	0	-0.1934	0.0004
SALL3	0.743	-0.1934	0.0071
GPC4	0.857	-0.1934	0.0115
PKP2	0.846	-0.1934	0.0135
RFPL1S	0.839	-0.1934	0.0456
OR10J1	0.712	-0.1933	0.002
SPHKAP	0.797	-0.1933	0.0333
TEKT3	0.575	-0.1931	0.0004
ABHD10	0.82	-0.1931	0.0066
SH2B3	0.873	-0.1931	0.0258
C16orf78	0.71	-0.193	0.0032
C10orf62	0.839	-0.1928	0.0186
SCARNA6	0.487	-0.1923	0.0006
ZC3H12D	0.692	-0.1923	0.0046
BORCS7	0	-0.1923	0.009
ESRRB	0.804	-0.1922	0.0044
SLC35A3	0.84	-0.1922	0.0129
XG	0.744	-0.1921	0.0057
POM121L12	0.712	-0.1921	0.0222

JAGN1	0.864	-0.192	0.0333
LNX1-AS1	0	-0.1919	0.0076
RGPD4-AS1	0.025	-0.1919	<0.0001
FUT10	0.268	-0.1919	<0.0001
SUPT20HL2	0	-0.1918	0.0031
TTC39C	0.633	-0.1918	0.004
CD40LG	0.873	-0.1918	0.0173
LGALS3BP	0.886	-0.1917	0.0228
OR5I1	0.603	-0.1916	0.0008
OR1L4	0.649	-0.1915	0.0069
ALDH1A2	0.872	-0.1915	0.017
TNK1	0.888	-0.1914	0.0352
SERPINB12	0.53	-0.1913	0.0004
PAX5	0.855	-0.1913	0.0169
NGLY1	0.859	-0.1913	0.0234
OR2AP1	0.224	-0.1912	0.0033
LARGE-IT1	0	-0.1912	0.0077
PLAGL1	0.875	-0.1912	0.0272
TMSB4XP4	0	-0.191	0.006
OTOS	0.782	-0.191	0.0128
MIR542	0.451	-0.1909	0.0032
PLCXD2	0.746	-0.1909	0.009
IFNA13	0.668	-0.1907	0.009
LINC01167	0	-0.1907	0.0125
DDX60	0.858	-0.1907	0.0304
TTLL2	0.82	-0.1906	0.0179
RPS29P20	0	-0.1905	0.0132
DEFA5	0.894	-0.1905	0.0338
C8orf86	0.712	-0.1905	0.0468
ADAM3A	0.64	-0.1904	0.0005
SIGLEC8	0.767	-0.1904	0.004
MRPL16	0.785	-0.1904	0.0062
LOC646358	0	-0.1904	0.0225

IFIT3	0.866	-0.1902	0.0146
LOC100130880	0.495	-0.19	0.0008
SLC15A1	0.847	-0.19	0.0164
ZMYND15	0.714	-0.1899	0.004
SGSM2	0.846	-0.1899	0.0244
KRTAP3-2	0.694	-0.1897	0.002
C1orf94	0.728	-0.1897	0.0051
IGLV11-55	0.389	-0.1897	0.0079
SLC9A7	0.799	-0.1897	0.0082
IGFBP7-AS1	0.469	-0.1897	<0.0001
KCTD11	0.711	-0.1896	0.0018
HORMAD2	0.717	-0.1896	0.0021
RN7SL236P	0	-0.1896	0.0083
ANKDD1A	0.842	-0.1895	0.0134
KLHL28	0.873	-0.1895	0.0286
OR10AD1	0.777	-0.1895	0.0328
LOC101927124	0	-0.1894	0.0006
SSPN	0.89	-0.1894	0.0376
MIR1913	0.342	-0.1893	0.0009
C1QTNF2	0.76	-0.1893	0.0042
FLJ33534	0.664	-0.1893	0.0331
CFAP44-AS1	0	-0.1892	0.0154
AIFM1	0.895	-0.1892	0.032
AA06	0	-0.1891	0.0003
HSPB9	0.817	-0.1891	0.0142
FSIP2-AS1	0	-0.1891	0.0151
RASIP1	0.86	-0.1891	0.0243
WNT16	0.838	-0.1889	0.0157
CD164L2	0.771	-0.1889	0.0249
LOC100128288	0.619	-0.1889	0.0402
ASMT	0.904	-0.1889	0.0419
CEP120	0.701	-0.1888	0.0047
IFNA10	0.697	-0.1886	0.001

NIPSNAP1	0.874	-0.1886	0.0281
MIR548I1	0.34	-0.1884	0.0039
TAS2R62P	0	-0.1884	0.0144
TMTC3	0.806	-0.1884	0.0186
RPS6KA2	0.823	-0.1882	0.0102
PHLDB1	0.834	-0.1882	0.0181
FAM20A	0.86	-0.1882	0.0254
TMEM184C	0.801	-0.1882	0.0299
MLF1	0.88	-0.1882	0.0322
IRS2	0.488	-0.1882	<0.0001
PCGF5	0.726	-0.1879	0.0062
WDR44	0.782	-0.1879	0.0064
DCT	0.828	-0.1879	0.0069
LRRFIP1	0.883	-0.1878	0.0238
ELAC1	0.643	-0.1877	0.0003
MIR20B	0	-0.1877	0.001
OR4D5	0.56	-0.1877	0.0031
WNK2	0.772	-0.1877	0.0111
ZCCHC18	0.658	-0.1877	0.0262
GHSR	0.789	-0.1876	0.0052
RGL4	0.833	-0.1876	0.0437
RIPPLY1	0.651	-0.1875	0.0033
MIR376A1	0.319	-0.1874	0.001
TPD52L3	0.729	-0.1873	0.0069
LOC101927359	0	-0.1872	0.0007
LOC101927839	0.237	-0.187	0.0007
FLG2	0.754	-0.187	0.006
NPAS1	0.872	-0.1869	0.0289
GABRG1	0.573	-0.1868	0.0002
OR2A14	0.538	-0.1868	0.0022
MPC1L	0.108	-0.1868	0.004
SPATA31D3	0.426	-0.1868	0.0078
TMEM143	0.848	-0.1868	0.0261

DUPD1	0.681	-0.1866	0.0068
TBC1D4	0.879	-0.1866	0.0336
MIR138-2	0	-0.1866	<0.0001
BAALC	0.671	-0.1865	0.0005
SUCLA2	0.843	-0.1865	0.0277
LINC00550	0.194	-0.1865	<0.0001
C16orf82	0.715	-0.1863	0.0102
ZNF528	0.543	-0.1861	0.0001
PAX7	0.802	-0.1861	0.0097
CIRBP	0.887	-0.1861	0.0274
MIR1255B1	0.493	-0.1857	0.001
LINC01564	0	-0.1855	0.0148
CLCA1	0.709	-0.1854	0.0011
CARD6	0.758	-0.1854	0.0053
EHMT1	0.829	-0.1854	0.01
SNORA55	0.457	-0.1853	0.0011
HSD17B4	0.887	-0.1852	0.0287
PRLH	0.699	-0.1851	0.0024
ATF7IP2	0.858	-0.1851	0.0182
LDLRAP1	0.856	-0.1851	0.0185
C17orf67	0.716	-0.185	0.006
TCEA2	0.846	-0.185	0.0176
KRT26	0.535	-0.1849	0.0009
GPR27	0.789	-0.1849	0.0047
ACR	0.856	-0.1847	0.0259
MIR330	0.427	-0.1846	0.0005
GRM7	0.784	-0.1846	0.0129
SLC25A22	0.86	-0.1845	0.0274
CXCR4	0.893	-0.1844	0.0324
TEX12	0.664	-0.1843	0.0009
KCNA7	0.756	-0.1843	0.0059
KLK5	0.781	-0.1842	0.0052
IFNA7	0.663	-0.1841	0.0021

MBP	0.887	-0.184	0.0286
PIK3CG	0.887	-0.184	0.0432
CASC2	0.715	-0.1839	0.0061
KIR3DX1	0.784	-0.1839	0.0096
GSG1	0.739	-0.1838	0.002
LCN8	0.719	-0.1838	0.0034
RN7SKP243	0	-0.1838	0.0096
RAB33A	0.872	-0.1838	0.0303
LOC100505534	0.475	-0.1837	0.0002
LINC01628	0	-0.1837	0.0179
MIR141	0.57	-0.1837	0.0371
RASA4CP	0	-0.1835	0.0092
ITGB3	0.888	-0.1835	0.0436
LOC100506016	0	-0.1834	0.0009
FSCN3	0.797	-0.1833	0.0079
PCMT1	0.842	-0.1833	0.018
SNORA37	0.612	-0.1833	0.0272
MIR374A	0.083	-0.1832	0.0013
VTI1B	0.689	-0.1829	0.0018
MANEA	0.733	-0.1829	0.0021
LINC00443	0	-0.1829	0.0095
LYST-AS1	0.403	-0.1828	0.011
GAPDHP28	0.327	-0.1828	0.0174
BRWD1	0.854	-0.1828	0.0213
MAP3K2	0.856	-0.1827	0.019
KRTAP12-1	0.534	-0.1826	0.0022
RN7SL338P	0.165	-0.1826	0.0111
PLEKHA1	0.852	-0.1825	0.0283
MIR134	0.499	-0.1824	<0.0001
CASP10	0.873	-0.1823	0.0233
HAPLN2	0.849	-0.1822	0.0169
ACTL7A	0.798	-0.1821	0.0073
LINC00643	0.563	-0.182	0.046

MIR30B	0.334	-0.1819	0.0006
RN7SL445P	0	-0.1819	0.0113
PTK6	0.855	-0.1819	0.0318
MIR30D	0.203	-0.1815	0.0008
SHANK2-AS3	0.364	-0.1815	<0.0001
ZBTB8OSP1	0	-0.1813	0.0117
MORN1	0.826	-0.1813	0.0175
GPR142	0.77	-0.1813	0.0195
MIR1322	0.441	-0.1812	0.0015
IFNL4	0.364	-0.181	0.0206
CT62	0.339	-0.181	<0.0001
OR6S1	0.64	-0.1809	0.0121
NRIP1	0.871	-0.1809	0.0325
HOXA1	0.834	-0.1808	0.0101
CDK17	0.789	-0.1808	0.0399
FAM3D	0.629	-0.1807	0.0008
NUP88	0.843	-0.1807	0.0198
C2orf83	0.526	-0.1806	0.0014
PIM2	0.866	-0.1806	0.0315
TTY6	0.416	-0.1805	0.0007
FBXO3	0.866	-0.1805	0.0247
KRTAP9-4	0.831	-0.1805	0.0248
CHTF8	0.765	-0.1805	0.0297
TULP2	0.757	-0.1804	0.0067
C19orf18	0.758	-0.1804	0.0084
TBL1Y	0.703	-0.1803	0.0024
PRSS37	0.636	-0.1803	0.0106
LINC00588	0.067	-0.1803	<0.0001
MRPS2	0.81	-0.1802	0.014
AQP7P4	0.311	-0.1802	0.0191
CARD9	0.833	-0.1802	0.026
PROP1	0.722	-0.1799	0.0043
MIR194-2	0.63	-0.1799	0.0405

RN7SL382P	0.197	-0.1798	0.0123
GPRIN3	0.818	-0.1798	0.0177
ADAM28	0.813	-0.1797	0.0089
MIR296	0.443	-0.1796	0.0009
MIOS	0.747	-0.1796	0.0108
TMEM30CP	0	-0.1796	0.0176
PPM1H	0.75	-0.1795	0.0062
CELA1	0.725	-0.1795	0.0335
OR4F15	0.538	-0.1794	0.0059
VSTM2L	0.716	-0.1793	0.0074
APP	0.881	-0.1793	0.0292
LAMA1	0.551	-0.1793	<0.0001
RNA5SP155	0.335	-0.1792	0.0074
TNR	0.875	-0.1791	0.0351
LOC101927815	0	-0.1789	0.0012
RAX	0.762	-0.1788	0.0139
VN1R3	0.63	-0.1788	0.0266
DPPA3P2	0.282	-0.1785	0.0067
MAP1LC3B	0.833	-0.1785	0.016
LINC00320	0.132	-0.1785	<0.0001
PRG3	0.78	-0.1784	0.011
TMEM97P1	0	-0.1783	0.0203
TBC1D28	0.773	-0.1783	0.0414
OR4C3	0.683	-0.1782	0.0174
MIR6728	0	-0.1782	0.0226
SLC16A14	0.81	-0.1782	0.0265
FTOP1	0.117	-0.1781	0.0205
MIR132	0.182	-0.178	<0.0001
MIR362	0.324	-0.1779	0.0018
PARD6A	0.75	-0.1779	0.0057
RELL1	0.825	-0.1779	0.0388
ANKH	0.732	-0.1777	0.0031
CRYBG3	0.733	-0.1777	0.0197

SIGLEC12	0.773	-0.1776	0.0376
SH2D4A	0.675	-0.1775	0.0019
CHURC1	0.653	-0.1775	0.0058
CD5	0.896	-0.1775	0.0416
LINC00710	0.356	-0.1775	<0.0001
MIR1-1	0.435	-0.1775	<0.0001
SLC39A12-AS1	0.421	-0.1774	0.0173
MAML3	0.759	-0.1773	0.0045
DNAJC17	0.803	-0.1772	0.0091
HIGD1AP16	0	-0.1772	0.0211
FAM71B	0.723	-0.1771	0.0085
FGF1	0.851	-0.1771	0.0173
LINC01226	0.357	-0.177	0.0011
TMC3	0.578	-0.177	0.0052
OR4D10	0.654	-0.177	0.0148
USP32P3	0.129	-0.1769	0.0118
KCNJ1	0.863	-0.1769	0.0198
ZC3H6	0.848	-0.1769	0.0467
C10orf53	0.791	-0.1768	0.0167
UGT2A3	0.675	-0.1767	0.0022
CNR2	0.881	-0.1767	0.0344
OR8J3	0.68	-0.1767	0.0364
KRTAP10-10	0.581	-0.1766	0.0026
G3BP2	0.881	-0.1766	0.033
PRB3	0.853	-0.1766	0.0472
MYF5	0.681	-0.1765	0.0032
AKR1E2	0.262	-0.1764	<0.0001
B3GALT2	0.752	-0.1762	0.0036
WDR90	0.757	-0.1762	0.0163
LYZL1	0.675	-0.1761	0.0081
TMEM232	0.653	-0.1761	0.0131
RN7SL430P	0	-0.1761	0.0142
DKFZP434A062	0.722	-0.176	0.0497

SLC16A7	0.712	-0.1759	0.0045
LMO4	0.842	-0.1759	0.0163
RGPD6	0.536	-0.1759	0.0419
FUT5	0.901	-0.1759	0.0471
KCNK7	0.75	-0.1758	0.0031
ASB2	0.831	-0.1758	0.0221
CCDC144A	0.769	-0.1757	0.0075
ARHGAP26-IT1	0.453	-0.1757	0.0142
NLGN4Y	0.594	-0.1755	0.0006
LOC101928861	0.38	-0.1755	0.0014
A2ML1	0.864	-0.1753	0.0459
FBXO40	0.796	-0.1752	0.0077
SPACA5B	0	-0.1751	0.0003
RNA5SP23	0	-0.1751	0.0161
CBLN4	0.723	-0.175	0.0048
PGPEP1	0.777	-0.175	0.01
HILS1	0.682	-0.175	0.0187
TNIP3	0.623	-0.1749	0.001
C1QL3	0.627	-0.1749	0.0034
IFT74	0.777	-0.1748	0.0062
SYTL1	0.744	-0.1748	0.0117
RNU6ATAC9P	0	-0.1748	0.0137
RNU6-121P	0	-0.1746	0.0151
TOLLIP	0.835	-0.1746	0.0255
LINC01525	0	-0.1745	0.0223
KRTAP13-1	0.672	-0.1744	0.0053
DNAJC4	0.844	-0.1744	0.017
USP51	0.675	-0.1743	0.0075
ZNF649	0.716	-0.1743	0.0091
CAPN5	0.855	-0.1743	0.0277
LOC101928283	0	-0.1742	0.0016
ZNF827	0.57	-0.1742	0.0031
CA14	0.795	-0.1742	0.0084
DCD	0.843	-0.1742	0.0363

CTSF	0.885	-0.1742	0.0373
PLXNB2	0.706	-0.1741	0.0046
FOXB1	0.727	-0.174	0.0031
PRINS	0	-0.174	0.0318
IP6K3	0.829	-0.1739	0.046
NMD3	0.828	-0.1738	0.0253
NTN1	0.849	-0.1737	0.0279
CD300LB	0.8	-0.1736	0.0155
RTL1	0.692	-0.1735	0.0274
RNF151	0.606	-0.1734	0.0038
BPY2	0.43	-0.1733	<0.0001
BMP2	0.891	-0.1732	0.0459
ZSCAN23	0.378	-0.1732	<0.0001
IGF1R	0.799	-0.1731	0.0082
RN7SL398P	0	-0.1731	0.0159
LOC100996671	0.244	-0.173	0.001
LOC101928386	0.092	-0.173	0.0017
GPR152	0.656	-0.1728	0.0085
CTAGE1	0.691	-0.1727	0.0023
CHST8	0.785	-0.1727	0.0072
MIR506	0.121	-0.1726	0.0098
MDM2	0.866	-0.1725	0.028
ATXN8OS	0.81	-0.1725	0.0344
SENP6	0.817	-0.1724	0.0214
BRD7P3	0.768	-0.1724	0.0323
LOC100129534	0.402	-0.1723	0.0005
WNT5B	0.834	-0.1722	0.0217
NPBWR2	0.626	-0.1721	0.002
SLC6A5	0.766	-0.1721	0.01
ACTRT2	0.617	-0.172	0.0027
TSPAN1	0.765	-0.172	0.0075
GFRA4	0.787	-0.1719	0.0101
HSBP1P2	0.475	-0.1719	0.0141
PTPN2	0.878	-0.1719	0.0493

MIR1231	0.3	-0.1716	0.0033
OPN1MW	0.356	-0.1714	0.0003
RN7SL459P	0.464	-0.1714	0.0173
SDHDP6	0	-0.1714	0.0257
ASS1P12	0	-0.1713	0.0257
MIR302F	0.496	-0.1712	0.0029
KIF25	0.754	-0.1712	0.0051
SYCP1	0.855	-0.1712	0.0332
TAS2R41	0.773	-0.1711	0.0282
KNCN	0.579	-0.171	0.0015
HDHD2	0.79	-0.171	0.0157
PNLIPRP1	0.871	-0.171	0.0442
CDH15	0.789	-0.1709	0.0099
ATP2B3	0.872	-0.1709	0.0331
TRDMT1	0.615	-0.1708	0.0013
SPINT1	0.79	-0.1708	0.0145
MIR222HG	0.155	-0.1708	0.0284
FUT8	0.87	-0.1708	0.0326
VAV3	0.783	-0.1707	0.0134
NKX2-8	0.686	-0.1703	0.0041
RNPS1P1	0	-0.1703	0.0266
HPSE	0.869	-0.1703	0.0343
LINC01513	0	-0.1702	0.0258
MRGPRX1	0.776	-0.1702	0.0283
ABCB1	0.825	-0.1701	0.0135
SPACA3	0.668	-0.1699	0.0077
C1QTNF4	0.843	-0.1698	0.0314
LOC100128108	0.471	-0.1697	0.0002
MYT1L	0.631	-0.1697	0.0018
GK2	0.615	-0.1696	0.0009
UBA7	0.739	-0.1696	0.0489
C17orf97	0.6	-0.1695	0.0057
LOC100129034	0.197	-0.1695	<0.0001
TREML2	0.756	-0.1694	0.0091

WFIKKN1	0.76	-0.1694	0.0163
MIR17HG	0.417	-0.1693	<0.0001
QKI	0.832	-0.1692	0.0307
PRICKLE2-AS2	0.465	-0.1691	0.0158
TPTE2	0.738	-0.1691	0.032
GFRAL	0.581	-0.169	0.0037
USP50	0.72	-0.169	0.0232
KIRREL3-AS2	0.375	-0.1689	0.0001
SCN2B	0.637	-0.1689	0.0025
SLC43A1	0.824	-0.1689	0.0224
CD3G	0.872	-0.1688	0.0349
STON2	0.826	-0.1688	0.0443
COLQ	0.842	-0.1687	0.0231
CGB5	0.725	-0.1687	0.049
LDB3	0.767	-0.1686	0.0067
MIR513A2	0	-0.1686	0.0076
FEM1C	0.807	-0.1686	0.0136
NDRG4	0.783	-0.1686	0.0141
OMP	0.833	-0.1686	0.0349
BTN3A3	0.843	-0.1685	0.0195
VPS4B	0.803	-0.1684	0.0202
SNORA8	0	-0.1683	0.0041
PGLYRP3	0.529	-0.1682	0.0018
CDC42EP5	0.804	-0.1682	0.0204
NRK	0.826	-0.1682	0.0479
SNORD35B	0.48	-0.1677	0.0123
SOCS1	0.795	-0.1676	0.0164
RAB30	0.852	-0.1676	0.0358
CRYGC	0.876	-0.1676	0.0423
DCPS	0.638	-0.1675	0.001
LOC101928052	0	-0.1675	0.0023
RGS9	0.713	-0.1675	0.0059
HR	0.737	-0.1674	0.0043
GPR45	0.707	-0.1673	0.0026

SMG6	0.804	-0.1673	0.0221
OR52P1P	0	-0.1672	0.0199
KCND1	0.866	-0.1672	0.035
ANKRD54P1	0.022	-0.1671	0.0298
HOXD12	0.798	-0.167	0.015
FUT7	0.833	-0.167	0.0172
OR7A15P	0	-0.167	0.02
FOXD3	0.775	-0.1669	0.0108
RNU6-767P	0	-0.1668	0.0202
GBP6	0.701	-0.1667	0.0053
MDH1B	0.709	-0.1667	0.006
RFX4	0.654	-0.1666	0.0052
TSPAN13	0.85	-0.1665	0.038
FAM71E2	0.798	-0.1665	0.0411
MIR1179	0.499	-0.1664	0.0003
BEX5	0.651	-0.1659	0.0033
RLBP1	0.846	-0.1659	0.0368
CD300LD	0.397	-0.1659	<0.0001
LINC00284	0.224	-0.1657	0.0012
CNPY1	0.746	-0.1657	0.0195
PGAM4P1	0	-0.1657	0.031
TMC6	0.845	-0.1657	0.0338
ZNF311	0.781	-0.1656	0.0306
SPATA7	0.513	-0.1655	0.0004
CRYM-AS1	0.187	-0.1654	0.0076
THNSL2	0.588	-0.1653	0.0031
PCDH1	0.791	-0.1653	0.0147
ERN2	0.842	-0.1653	0.0293
HMGN1P12	0	-0.1652	0.0315
PLXDC2	0.691	-0.1651	0.0084
MEIS3	0.764	-0.1651	0.0189
MCPH1	0.865	-0.1651	0.0409
LINC01445	0.322	-0.165	0.031
CST13P	0.406	-0.165	<0.0001

LIPK	0.598	-0.1649	0.0065
DEFB113	0.59	-0.1648	0.0229
CSNK1A1L	0.749	-0.1648	0.0304
RPL22P11	0	-0.1647	0.0137
ADAMTS15	0.688	-0.1646	0.0058
MIR7845	0	-0.1645	0.0351
KIAA0087	0.451	-0.1645	<0.0001
OR9I2P	0.148	-0.1643	0.0221
OLIG1	0.657	-0.1642	0.0101
TM2D3	0.788	-0.1642	0.0189
IFNGR1	0.857	-0.1642	0.0322
OR8K5	0.672	-0.1641	0.0299
SDR9C7	0.757	-0.1641	0.0415
CCDC160	0.424	-0.1641	<0.0001
OSBPL10	0.631	-0.164	0.0023
PRSS29P	0	-0.164	0.017
CITED4	0.67	-0.1639	0.0043
G6PC2	0.765	-0.1639	0.0078
CPM	0.815	-0.1639	0.0162
GSTM3P2	0	-0.1639	0.0329
OR5P3	0.586	-0.1638	0.005
CAMKK1	0.687	-0.1638	0.0058
IL1F10	0.677	-0.1637	0.0097
RN7SKP137	0	-0.1637	0.0209
CLCA4	0.782	-0.1634	0.011
PRM3	0.778	-0.1634	0.0339
GCOM1	0.672	-0.1634	0.0361
RALGDS	0.853	-0.1634	0.0498
TTC39C-AS1	0	-0.163	0.0367
GOLGA6L22	0	-0.163	0.0369
PTPN4	0.836	-0.1629	0.033
KRT17P1	0	-0.1627	0.0193
INSL3	0.69	-0.1626	0.0053
HCRTR2	0.77	-0.1626	0.011

FARP1-AS1	0	-0.1625	0.0202
TBCEL	0.812	-0.1625	0.0359
OR13D1	0.694	-0.1625	0.0479
PTPRQ	0.661	-0.1624	0.0276
PEX5L	0.763	-0.1623	0.014
LINC00950	0.483	-0.1622	0.0008
LOC439933	0	-0.1622	0.0032
RN7SKP69	0	-0.1622	0.0223
MRPL50P2	0	-0.1621	0.0347
PCDH9-AS4	0.262	-0.162	0.0241
PKD2L2	0.594	-0.1619	0.003
OR2A2	0.525	-0.1619	0.0086
PSG6	0.831	-0.1619	0.0361
UPK1B	0.664	-0.1618	0.0048
TTC21B-AS1	0	-0.1618	0.033
TSPAN2	0.662	-0.1617	0.0038
PCDH9-AS3	0	-0.1617	0.0242
LINC00681	0	-0.1617	0.0243
ANO9	0.78	-0.1617	0.0364
CYP4Z2P	0.745	-0.1617	0.0402
CLYBL-AS2	0	-0.1616	0.0002
DAZ3	0.468	-0.1615	0.0011
OR1E3	0	-0.1615	0.0245
SSTR2	0.843	-0.1615	0.0388
FGFR3	0.871	-0.1615	0.0415
BSPH1	0.444	-0.1615	<0.0001
TGM5	0.79	-0.1613	0.0251
SPRY1	0.85	-0.1613	0.0407
VSTM2B	0.463	-0.1613	<0.0001
MIR125A	0.442	-0.1612	0.0028
MUSK	0.818	-0.1612	0.0343
LINC01531	0	-0.1611	0.03
MIR1293	0.333	-0.1609	0.0047
ZNF559	0.712	-0.1609	0.0156

IL2	0.843	-0.1609	0.0308
MYO5BP2	0	-0.1609	0.0363
OR7E105P	0	-0.1608	0.025
GPHA2	0.788	-0.1607	0.0273
ALKBH3	0.653	-0.1606	0.0043
KIF2B	0.833	-0.1606	0.0448
FLJ31356	0.352	-0.1605	0.0011
CHMP7	0.827	-0.1605	0.0256
SHOX	0.769	-0.1605	0.0325
CCDC149	0.619	-0.1604	0.0059
GLRA4	0.628	-0.1604	0.0143
DYTN	0.554	-0.1604	0.0215
CNOT7	0.69	-0.1602	0.0036
SCT	0.731	-0.1602	0.0093
HSFY1P1	0.414	-0.1601	0.0169
OR10W1	0.637	-0.1601	0.0234
SLC16A1	0.814	-0.16	0.0268
DNM1P31	0	-0.16	0.0417
FNDC11	0	-0.1599	0.031
CLRN1	0.779	-0.1598	0.0209
C20orf141	0.711	-0.1596	0.0143
RNA5SP358	0.418	-0.1596	0.017
SNX33	0.742	-0.1596	0.038
KLK12	0.657	-0.1594	0.0032
LOC101929526	0	-0.1592	0.0038
ART3	0.821	-0.1591	0.0191
CDRT15P2	0.272	-0.159	0.0222
RNU6-108P	0	-0.159	0.0267
SLC8A3	0.552	-0.1589	0.0027
NRADDP	0.464	-0.1589	0.0167
MYOG	0.835	-0.1588	0.0378
OR52B6	0.416	-0.1588	<0.0001
STAC3	0.651	-0.1587	0.008
HHLA3	0.778	-0.1587	0.0128

BRMS1L	0.74	-0.1587	0.0147
YTHDC2	0.834	-0.1587	0.0418
MCHR2-AS1	0	-0.1584	0.0004
ATP13A3	0.668	-0.1584	0.0031
LOC101927829	0	-0.1584	0.004
LCE1D	0.544	-0.1584	0.0044
OR2J2	0.771	-0.1584	0.0255
TMEM105	0.561	-0.1583	0.0056
COL12A1	0.717	-0.1582	0.0105
TMEM231	0.607	-0.1582	0.0109
GPR78	0.792	-0.1582	0.0286
AK9	0.428	-0.1582	<0.0001
BEGAIN	0.761	-0.1581	0.014
HRH4	0.83	-0.1581	0.0273
MIR106A	0	-0.158	0.0034
LOC101927623	0	-0.1579	0.0041
FSCB	0.568	-0.1579	0.0054
OR51G1	0.665	-0.1578	0.0301
OR5AS1	0.645	-0.1577	0.0498
OR5AN1	0.525	-0.1575	0.0129
LINC00378	0.446	-0.1575	0.0284
GCM2	0.441	-0.1574	<0.0001
SERPINB13	0.584	-0.1572	0.0022
SLFN14	0.66	-0.1571	0.0439
RN7SL538P	0	-0.157	0.0268
RN7SL168P	0	-0.157	0.0287
SLC9A5	0.823	-0.157	0.0493
LMOD3	0.551	-0.1568	0.0014
VSTM2A	0.5	-0.1567	0.0069
MBLAC2	0.768	-0.1567	0.0408
IFNA4	0.709	-0.1566	0.0071
MINPP1	0.774	-0.1565	0.0139
BSX	0.611	-0.1564	0.0178
SIAH3	0.669	-0.1562	0.0373

NOTCH1	0.798	-0.1558	0.0301
COL13A1	0.852	-0.1558	0.0341
TCP11L2	0.713	-0.1556	0.0202
PLD5	0.689	-0.1555	0.0147
OR5AN2P	0	-0.1555	0.0303
NUP54	0.814	-0.1555	0.0376
DARS-AS1	0.04	-0.1555	0.0418
SNORD34	0.351	-0.1555	0.0441
MIR4771-1	0.349	-0.1555	0.0469
EGFL7	0.758	-0.1554	0.0115
FAT3	0.665	-0.1554	0.0134
KIAA0753	0.819	-0.1554	0.029
PABPC5	0.547	-0.1552	0.0035
MORN3	0.749	-0.1552	0.0251
MMP26	0.654	-0.1549	0.0069
ZNF582	0.648	-0.1549	0.0099
OGN	0.62	-0.1548	0.0039
HTR3D	0.608	-0.1547	0.0109
TMEM52	0.765	-0.1547	0.0341
GRIN2B	0.775	-0.1546	0.0184
NOS1	0.796	-0.1546	0.0249
RNA5SP361	0	-0.1545	0.0208
RN7SL645P	0	-0.1545	0.0314
CR2	0.84	-0.1545	0.0315
HIFOO	0.702	-0.1544	0.0186
GNG8	0.7	-0.1543	0.0123
RN7SL513P	0	-0.1542	0.0316
PCDHAC2	0.686	-0.1542	0.0427
PIWIL1	0.449	-0.1541	<0.0001
TTC16	0.572	-0.154	0.0045
LRRC17	0.862	-0.154	0.0435
OSBPL1A	0.849	-0.1539	0.0499
NLRC5	0.683	-0.1538	0.0154
TPO	0.815	-0.1538	0.0384

PRO1804	0	-0.1537	0.0051
ZDHHC15	0.673	-0.1535	0.013
SOST	0.085	-0.1535	<0.0001
LOC102724927	0	-0.1534	0.0053
FMNL1	0.819	-0.1534	0.026
KRTAP4-5	0.505	-0.1533	0.0015
RPS6KA1	0.816	-0.1532	0.0327
CCDC125	0.769	-0.1531	0.0303
ADGRB1	0	-0.1531	0.0357
CRYAB	0.848	-0.1531	0.0392
KDM4E	0.144	-0.1529	0.0182
MTMR10	0.821	-0.1529	0.0411
PLEKHB1	0.737	-0.1527	0.0144
RNU6-331P	0	-0.1526	0.0335
KANSL1-AS1	0	-0.1525	0.0004
NLRP9	0.737	-0.1525	0.0242
SMG1P2	0	-0.1525	0.0461
RNU6-733P	0	-0.1524	0.0336
ASTL	0.626	-0.1523	0.0101
OR5M1	0.487	-0.1522	0.0004
TCAF1	0.317	-0.1522	0.0288
C5orf60	0.557	-0.1521	0.03
TSKS	0.764	-0.1521	0.0336
CCR4	0.832	-0.152	0.0306
ZNRF4	0.818	-0.152	0.0473
EVX2	0.642	-0.1519	0.0214
TPRX1	0.727	-0.1517	0.0494
HECW1-IT1	0.418	-0.1515	0.0003
LOC101928140	0.057	-0.1515	0.0059
ZRANB2-AS1	0.025	-0.1513	0.0004
LOC283177	0.139	-0.1513	0.0036
GHRL	0.765	-0.1513	0.0255
IGSF11	0.757	-0.1512	0.0215
LINC02210	0.354	-0.1512	0.0457

OR6K6	0.498	-0.1512	<0.0001
CCSER1	0.321	-0.1511	0.0002
GPRC5D	0.831	-0.151	0.0366
CELA2B	0.724	-0.1509	0.0322
OR9K1P	0	-0.1508	0.0356
GRXCR1	0.449	-0.1508	<0.0001
TCP11X2	0.344	-0.1507	0.0426
RAX2	0.716	-0.1506	0.0356
RNU6-520P	0.2	-0.1505	0.0361
MPZL3	0.783	-0.1504	0.0465
RN7SKP271	0.306	-0.1503	0.0342
MIR1278	0.472	-0.1502	0.0083
ANKRD42	0.696	-0.1502	0.0232
CBLB	0.836	-0.1502	0.0359
CSHL1	0.795	-0.1501	0.0316
C3orf20	0.797	-0.1501	0.0418
PPIG	0.731	-0.1499	0.0171
LGALS13	0.665	-0.1498	0.0057
MGARP	0.189	-0.1497	0.0002
CAMK1G	0.695	-0.1497	0.0062
KRTAP22-1	0.629	-0.1497	0.0215
RBMXL3	0.479	-0.1494	0.0006
RNF186	0.669	-0.1494	0.0081
CDCP1	0.759	-0.1494	0.0154
FAM163A	0.398	-0.1494	<0.0001
LOC100505716	0.322	-0.1493	0.0042
OR5T2	0.504	-0.1493	0.0119
RNU6-968P	0	-0.1493	0.0376
TXNDC2	0.692	-0.1492	0.0333
MIR1909	0.344	-0.1491	0.0126
SAMD14	0.731	-0.1491	0.0165
OR11A1	0.683	-0.1489	0.0136
RNU6-994P	0	-0.1488	0.038
EGFLAM	0.708	-0.1486	0.0139

S100Z	0.695	-0.1486	0.0271
PALM	0.796	-0.1486	0.0303
LINC00968	0.15	-0.1485	0.0006
NUDT8	0.736	-0.1484	0.0494
TMEM229A	0.312	-0.1483	0.0008
HTR1A	0.75	-0.1483	0.0172
MS4A2	0.774	-0.1483	0.0247
RNA5SP445	0.251	-0.1483	0.0414
FAM92B	0.737	-0.1483	0.0475
MEST	0.856	-0.1483	0.0496
VWA3B	0.627	-0.1482	0.0107
HS3ST6	0.738	-0.1481	0.0373
RNU6-1080P	0.423	-0.148	0.0394
MIR144	0.365	-0.1479	0.0061
CHST15	0.729	-0.1479	0.032
RNASE3	0.822	-0.1478	0.0493
C11orf86	0.537	-0.1476	0.017
BIRC8	0.619	-0.1476	0.017
RNU4-50P	0	-0.1473	0.04
RNA5SP397	0	-0.1472	0.0276
TLL10	0.731	-0.1472	0.0336
LACTB	0.767	-0.1471	0.0299
CCT8L2	0.665	-0.1468	0.0196
CALML3-AS1	0.143	-0.1467	0.0375
KCTD9	0.823	-0.1466	0.0485
C11orf42	0.703	-0.1465	0.02
CASP6	0.812	-0.1464	0.0361
SNX19P1	0	-0.1464	0.0414
TMSB4Y	0.58	-0.1463	0.0039
C16orf89	0.58	-0.1462	0.0131
IQCF2	0.727	-0.1462	0.0245
LOC100132077	0	-0.1461	0.0045
MIR31	0	-0.1461	0.0051
NHS	0.634	-0.1461	0.0127

S100A14	0.811	-0.1461	0.0468
CCDC88B	0.781	-0.1458	0.0454
TSPYL6	0.554	-0.1457	0.0084
NDUFA10	0.689	-0.1456	0.0175
FAM167A	0.611	-0.1454	0.0159
GPR26	0.696	-0.1453	0.0166
RNA5SP44	0.393	-0.1453	0.0297
DEFB103B	0.499	-0.1452	0.0006
LOC101929524	0.135	-0.1451	0.0084
OLAH	0.733	-0.145	0.0203
WNT4	0.71	-0.1449	0.0168
OR4M1	0.388	-0.1448	0.0014
TMEFF2	0.701	-0.1447	0.0265
ABCC13	0.538	-0.1445	0.0057
GRID1-AS1	0.34	-0.1444	0.0009
LOC101928663	0	-0.1444	0.0087
LATS2-AS1	0.479	-0.1444	0.0445
OR52A1	0.691	-0.1443	0.0252
OR4B1	0.556	-0.1442	0.0301
OR52I1	0.267	-0.1441	0.0004
MAK	0.579	-0.144	0.0022
WFDC8	0.645	-0.144	0.012
C12orf29	0.571	-0.1439	0.0033
PCDH10	0.672	-0.1439	0.0222
FTLP10	0.442	-0.1439	0.0311
FAM117A	0.722	-0.1436	0.0132
LRRC66	0.707	-0.1436	0.0412
RN7SKP11	0	-0.1435	0.0428
LOC100506497	0.05	-0.1434	0.0061
CACNG6	0.687	-0.1434	0.0167
SNORD92	0.405	-0.1432	0.0202
TMPRSS11D	0.588	-0.143	0.0051
RN7SL864P	0.374	-0.1429	0.0465
OR2F2	0.698	-0.1428	0.0232

DSC1	0.596	-0.1425	0.0029
LARS2-AS1	0	-0.1425	0.0415
RNU6-283P	0	-0.1424	0.0472
NRG4	0.746	-0.1423	0.0444
OR1A2	0.681	-0.142	0.0175
TBC1D3I	0.264	-0.142	0.047
OR51A6P	0.212	-0.1419	0.0481
CARD14	0.825	-0.1418	0.0454
LINC00463	0.142	-0.1417	0.0016
NT5C1A	0.612	-0.1416	0.0156
OR6X1	0.47	-0.1416	<0.0001
EPX	0.791	-0.1415	0.0287
DNAJC19	0.673	-0.1414	0.0146
OR10H3	0.738	-0.1414	0.0285
NRXN2	0.79	-0.1414	0.0407
VIT	0.618	-0.1413	0.0148
BMP3	0.673	-0.1408	0.0087
MRGPRE	0.632	-0.1407	0.0448
ATOH1	0.81	-0.1407	0.0456
OR10H2	0.758	-0.1406	0.0363
KBTBD7	0.781	-0.1403	0.0445
NEUROG3	0.62	-0.1401	0.0094
B4GALNT3	0.709	-0.14	0.0196
AKAP4	0.794	-0.14	0.039
FCGR1B	0.749	-0.1399	0.0306
THOC7-AS1	0.28	-0.1399	0.0456
GAL3ST3	0.608	-0.1398	0.0093
GTPBP8	0.818	-0.1398	0.0463
LOC101928519	0	-0.1397	0.0111
NYX	0.701	-0.1396	0.0232
ADAM29	0.664	-0.1395	0.0196
HOXA4	0.83	-0.1395	0.0442
CCDC182	0	-0.1393	0.0013
AP1G2	0.753	-0.1393	0.0217

STARD8	0.772	-0.1391	0.0386
HCG24	0	-0.1389	0.0484
LOC644189	0.478	-0.1388	0.0092
GDF5OS	0	-0.1386	0.0043
BLID	0.606	-0.1386	0.0136
PAX4	0.704	-0.1386	0.0236
TCHHL1	0.51	-0.138	0.0285
HSPA4L	0.802	-0.138	0.0407
KRT36	0.762	-0.1379	0.0252
TTC17	0.79	-0.1379	0.0497
CACNG3	0.682	-0.1373	0.0126
CDCP2	0.645	-0.1373	0.0287
RNA5SP88	0.498	-0.1373	0.0402
ZNF671	0.696	-0.1372	0.0196
GBX1	0.733	-0.1372	0.043
LINC00877	0	-0.1371	0.0025
ABCA13	0.756	-0.1371	0.0369
OR1S2	0.457	-0.1369	0.0005
TRAF3IP2	0.718	-0.1369	0.0246
C1orf116	0.766	-0.1369	0.0324
MIR507	0.075	-0.1369	0.0401
SLIT2-IT1	0.402	-0.1366	0.001
AGR3	0.641	-0.1364	0.0145
ANKRD11	0.752	-0.1364	0.025
OTOR	0.732	-0.1364	0.0336
PPP1R18	0.472	-0.1362	0.0003
OR5AC2	0.579	-0.136	0.0414
OR7E47P	0.468	-0.1359	<0.0001
SPATA20	0.672	-0.1358	0.0181
C2orf80	0.5	-0.1357	0.0214
TXNL4B	0.695	-0.1357	0.0233
MTNR1A	0.759	-0.1357	0.0407
FAM9A	0.769	-0.1357	0.0493
SULT1C4	0.686	-0.1355	0.0369

TTY16	0.486	-0.1352	0.0117
ZNF843	0.548	-0.1352	0.0256
FABP9	0.564	-0.1352	0.0273
LRRC43	0.746	-0.1352	0.0364
RNA5SP238	0.482	-0.1352	0.0431
IFNA16	0.632	-0.135	0.0104
AICDA	0.739	-0.135	0.0244
CRYGN	0.745	-0.135	0.0353
TSPAN6	0.722	-0.1348	0.044
SNIP1	0.772	-0.1348	0.0488
C3orf79	0.391	-0.1347	0.002
BNC2	0.692	-0.1341	0.0141
OR4L1	0.339	-0.1336	0.0002
OR1L8	0.574	-0.1336	0.0398
OR4D1	0.626	-0.1331	0.0343
MIR192	0	-0.1329	0.0121
CCDC33	0.732	-0.1329	0.0263
TMEM176A	0.541	-0.1328	0.006
UTF1	0.65	-0.1326	0.018
MADCAM1	0.773	-0.1324	0.0297
NPS	0.479	-0.1321	0.0097
SNX18	0.629	-0.1321	0.0489
AADACL2	0.669	-0.132	0.0215
IL23R	0.759	-0.1319	0.0463
LOC93463	0.187	-0.1317	0.0032
TAS1R2	0.534	-0.1316	0.0127
TLL1	0.675	-0.1316	0.0214
TNFRSF13C	0.72	-0.1315	0.0459
LINC01107	0.204	-0.1314	0.0031
IMPG1	0.731	-0.131	0.0244
RGS8	0.636	-0.131	0.0313
ATXN3L	0.624	-0.1309	0.0128
SPATA19	0.668	-0.1308	0.0421
SLC22A13	0.701	-0.1307	0.0297

COG6	0.741	-0.1307	0.0434
KRTAP1-4	0.401	-0.1306	0.0449
TAS1R1	0.171	-0.1306	<0.0001
MIR195	0.406	-0.1305	0.021
ATP1B4	0.568	-0.1301	0.0068
LRIT1	0.701	-0.1299	0.0297
DEFB114	0.494	-0.1296	<0.0001
LOC100132781	0.135	-0.1295	0.0229
COX6B2	0.563	-0.1293	0.0109
TRIM64	0.386	-0.1293	0.0212
RBPJL	0.439	-0.1293	<0.0001
MIR1183	0	-0.1291	0.0232
PSG2	0.614	-0.129	0.0273
C6orf15	0.699	-0.129	0.0277
CCDC144CP	0.005	-0.1287	0.0023
LOC284395	0.252	-0.1286	0.0093
AKAP5	0.703	-0.1284	0.022
VPREB3	0.735	-0.1283	0.0394
BPIFB3	0.254	-0.1282	0.0266
GPR85	0.754	-0.128	0.0345
NMRAL1	0.531	-0.1279	0.0136
LOC100132078	0.182	-0.1276	0.013
LCE2A	0.651	-0.1275	0.0475
IQUB	0.676	-0.1274	0.0253
ELP3	0.711	-0.1273	0.0252
GNG13	0.765	-0.1271	0.0477
LINC01231	0	-0.1268	0.0212
DCUN1D1	0.709	-0.1266	0.0259
C4orf47	0.353	-0.1266	<0.0001
WFDC9	0.628	-0.1263	0.0382
GRIN3A	0.698	-0.126	0.045
KRTAP19-8	0.442	-0.1258	0.0073
FAM24A	0.633	-0.1258	0.0384
KDF1	0.446	-0.1256	0.0032

SLC25A21-AS1	0.415	-0.1256	0.0038
OR7E18P	0	-0.1256	0.0141
AIPL1	0.668	-0.1254	0.0191
OR6A2	0.687	-0.1254	0.0334
OR9I1	0.215	-0.1253	0.0005
PRDM14	0.721	-0.1253	0.0475
VWC2L	0.215	-0.1252	0.0039
OR2H2	0.508	-0.125	0.0087
KRTAP1-5	0.593	-0.125	0.0187
ALOXE3	0.769	-0.125	0.0474
TUSC8	0.24	-0.1246	0.0059
OR10D1P	0.064	-0.1243	0.0031
LINC01300	0.465	-0.1243	0.0052
PAPOLB	0.636	-0.1242	0.0264
TRIM48	0.58	-0.1242	0.0387
SPAG16	0.619	-0.1241	0.0188
KCNQ5	0.462	-0.124	<0.0001
OR4X2	0.454	-0.1239	0.0004
LINC01360	0.481	-0.1239	0.0058
LOC101929122	0	-0.1239	0.0243
FBXL14	0.758	-0.1236	0.0482
PTH	0.568	-0.1234	0.0155
CRYGB	0.719	-0.1234	0.0361
KERA	0.507	-0.1232	0.0083
GDNF	0.733	-0.1232	0.037
CDH20	0.683	-0.1227	0.0247
ARMS2	0.444	-0.1224	0.0002
LINC00343	0	-0.1224	0.005
ZNF806	0.023	-0.1222	0.0436
SLC24A2	0.699	-0.1218	0.0426
LINC00486	0.328	-0.1216	0.0041
NTSR2	0.559	-0.1216	0.0158
HCN1	0.674	-0.1216	0.0342
CNGA3	0.744	-0.1211	0.0436

LOC101928809	0	-0.121	0.0279
ADAMTS12	0.684	-0.1209	0.0264
FAM71A	0.642	-0.1208	0.0327
FGF7	0.697	-0.1206	0.0339
DAZ4	0.479	-0.1203	0.0013
ASH2L	0.631	-0.1202	0.017
TMPRSS12	0	-0.1199	<0.0001
OR3A1	0.606	-0.1198	0.0249
ZMAT4	0.562	-0.1194	0.0213
LOC103344931	0	-0.1191	0.0179
KRT25	0.629	-0.119	0.0329
CLDN17	0.728	-0.119	0.0451
PHEX-AS1	0	-0.1189	0.0062
C1orf87	0.678	-0.1189	0.0498
ZSCAN4	0.421	-0.1189	<0.0001
CNBD1	0.544	-0.1187	0.0172
IRGC	0.656	-0.1187	0.0253
CER1	0.741	-0.1187	0.0499
IRS4	0.55	-0.1186	0.0099
SNTG2	0.355	-0.1183	<0.0001
LOC100505658	0	-0.1182	0.0234
LOC101927620	0	-0.1181	0.0317
SUSD5	0.587	-0.118	0.0233
LOC100506675	0	-0.118	0.0243
LINC00309	0	-0.1179	0.0042
LOC101928865	0	-0.1179	0.0321
OR10H4	0.335	-0.1172	0.0008
IQCF4	0.12	-0.117	0.0185
C8orf74	0.616	-0.117	0.045
DDI1	0.614	-0.1169	0.0316
FREM3	0.547	-0.1169	0.0337
TAS2R45	0.252	-0.1168	0.0009
LINC00692	0.456	-0.1167	0.0069
CBLC	0.659	-0.1162	0.0258

IL17C	0.612	-0.1162	0.0315
LOC440313	0.449	-0.116	0.0411
LYZL6	0.709	-0.1159	0.0451
MIR18B	0	-0.1157	0.0417
C6orf203	0.354	-0.1154	<0.0001
KRTAP9-9	0.336	-0.1153	0.0006
OR4K17	0.437	-0.115	0.0009
OR2G3	0.498	-0.1149	0.0014
INSL5	0.544	-0.1148	0.0125
ADAM7	0.694	-0.1146	0.0413
VWDE	0.288	-0.1144	0.0004
POTEA	0.36	-0.1139	0.0166
OR7A10	0.417	-0.1137	<0.0001
OR8D4	0.487	-0.1136	0.0014
SPAM1	0.555	-0.1133	0.0235
TRUB2	0.531	-0.1133	0.0298
LOC339298	0.495	-0.1123	0.0304
ZG16B	0.26	-0.1122	0.0006
LOC101928739	0	-0.1122	0.0414
LOC101928012	0	-0.112	0.0417
ROPN1	0.522	-0.1101	0.0412
LINC00314	0.075	-0.11	0.0063
KCNA1	0.559	-0.11	0.017
TBC1D3C	0.494	-0.11	0.0494
LINC01398	0	-0.1099	0.0151
SLC13A1	0.588	-0.109	0.0345
KCNJ9	0.597	-0.1083	0.0285
KRT38	0.632	-0.108	0.0379
SPRED2	0.616	-0.108	0.0409
C11orf87	0.398	-0.1074	0.0004
MIR211	0	-0.1063	0.0486
OR4K15	0.276	-0.1061	0.0101
PRSS54	0.178	-0.1058	0.0011
LOC100507283	0.109	-0.1054	0.0454

ZNF215	0.469	-0.1049	<0.0001
MIR3663HG	0	-0.1047	0.0207
MIR409	0	-0.1047	0.0221
OR5F1	0.418	-0.1041	0.0089
TMEM108-AS1	0	-0.1038	0.0217
OR4X1	0.468	-0.1036	0.0101
OR1S1	0.197	-0.1036	0.0445
LOC441204	0.392	-0.1032	0.0021
LOC100505918	0.464	-0.1032	0.0481
LOC652276	0.464	-0.1031	0.0026
MIR181B1	0.382	-0.1025	0.0218
KRTAP3-3	0.309	-0.1022	0.001
HMGB3P1	0.278	-0.1009	0.0081
OR4K2	0	-0.1004	0.0055
MIR181C	0	-0.1004	0.0243
PLCG1-AS1	0	-0.1003	0.0255
OR10K1	0.491	-0.0994	0.0056
CCDC141	0.553	-0.0984	0.0457
TSHZ2	0.554	-0.0983	0.0445
GLIPR1L2	0.465	-0.0972	0.001
FAT2	0.589	-0.0967	0.042
LINC00901	0.435	-0.0966	0.0269
EGFLAM-AS2	0	-0.0965	0.0273
DDX43	0.508	-0.0963	0.0271
TMEM177	0.438	-0.0957	0.0004
TSPAN16	0.496	-0.0954	0.0011
OR5E1P	0.279	-0.0954	0.0086
PATE4	0.441	-0.0954	0.0451
KRTAP2-4	0.495	-0.0947	0.0111
CPLX4	0.474	-0.0934	0.0037
MIR208A	0.242	-0.0933	0.0366
EDNRB-AS1	0	-0.0925	0.0409
MACROD2-AS1	0	-0.0923	0.0319
ASIP	0.582	-0.0923	0.0434

NAALADL2-AS3	0.336	-0.0921	0.036
LINC00358	0	-0.0918	0.0352
TRIM63	0.325	-0.0917	0.0018
PATE3	0	-0.0909	0.0472
TAAR1	0.392	-0.0899	0.0021
LINC00102	0.459	-0.0898	0.0371
FAM50B	0.486	-0.0892	0.0003
SSMEM1	0.37	-0.0888	0.034
SUN5	0.434	-0.0875	0.0104
OR6B3	0.243	-0.0875	0.0143
NATD1	0.341	-0.0874	0.0431
PNLDC1	0.47	-0.087	0.0022
FAM222A-AS1	0.492	-0.0865	0.0382
OR10V1	0.489	-0.0864	0.0142
LINC00708	0.275	-0.0862	0.0481
TOX	0.473	-0.0843	0.0014
GALNTL5	0.419	-0.0836	0.0016
OR5K3	0.359	-0.0835	0.022
LRRIQ1	0.494	-0.083	0.0034
CALHM1	0.452	-0.0827	0.0051
OR52M1	0.271	-0.0823	0.0219
IL19	0.415	-0.0805	0.0015
OPN5	0.453	-0.0794	0.0067
CATR1	0	-0.0794	0.0204
OR8J1	0.311	-0.0793	0.0226
TNS4	0.494	-0.0786	0.003
OR2M2	0.499	-0.0762	0.0296
UNC80	0.384	-0.0757	0.0201
KRTAP26-1	0.457	-0.0731	0.037
OR10S1	0.443	-0.0725	0.0405
KRTAP2-1	0.474	-0.0722	0.0401
KRTAP24-1	0.45	-0.0722	0.0448
CLCA2	0.496	-0.0718	0.004
TMPRSS11A	0.449	-0.0716	0.0332

IGFL3	0.44	-0.0696	0.0257
TMPRSS11F	0.242	-0.0693	0.0472
GAS2L2	0.411	-0.0679	0.0114
KLK9	0.489	-0.0677	0.0381
RBM46	0.486	-0.0664	0.0315
IL26	0.472	-0.0641	0.0106
GOT1L1	0.423	-0.0616	0.0225
