

Supplementary Table 2. List of DE-lncRNAs and DE-PCGs.

DE-lncRNAs				DE-PCGs			
Ensembl Gene ID	Associated Gene Name	FC	t-test p-value	Ensembl Gene ID	Associated Gene Name	FC	t-test p-value
ENSG00000249082	CTC-276P9.1	0.525780903	6.21E-13	ENSG00000185873	TMPRSS11B	0.323872785	8.05E-15
ENSG00000241732	RP11-38P22.2	0.527188904	1.62E-21	ENSG00000214711	CAPN14	0.333554921	9.07E-15
ENSG00000260581	CTB-113P19.4	0.543539945	4.59E-12	ENSG00000241794	SPRR2A	0.375229451	9.89E-34
ENSG00000203688	RP11-351J23.1	0.569122462	1.45E-13	ENSG00000145879	SPINK7	0.389158065	1.27E-12
ENSG00000261521	RP11-408H20.1	0.598914387	3.80E-11	ENSG00000170423	KRT78	0.407488454	3.94E-15
ENSG00000230937	MIR205HG	0.648438064	4.70E-14	ENSG00000121742	GJB6	0.411426861	6.69E-16
ENSG00000237499	RP11-356I2.4	0.65166902	2.42E-08	ENSG00000172382	PRSS27	0.429540523	4.06E-16
ENSG00000261888	AC144831.1	0.660413652	8.24E-11	ENSG00000189001	SBSN	0.436133995	1.90E-16
ENSG00000232079	AL035610.1	0.666174865	6.57E-12	ENSG00000173212	MAB21L3	0.439866424	1.70E-13
ENSG00000260402	RP11-56L13.1	0.678770903	3.54E-06	ENSG00000186806	VSIG10L	0.440545603	3.16E-25
ENSG00000227028	SLC8A1-AS1	0.681536678	3.24E-06	ENSG00000166535	A2ML1	0.445402332	1.10E-14
ENSG00000261040	CTD-2319I12.1	0.684238062	8.88E-08	ENSG00000105427	CNFN	0.45082844	1.03E-20
ENSG00000265787	CYP4F35P	0.704530554	2.53E-08	ENSG00000169550	MUC15	0.482742906	8.86E-17
ENSG00000227640	SOX21-AS1	0.708411748	1.23E-12	ENSG00000256812	CAPNS2	0.484007066	4.90E-21
ENSG00000236234	AC091132.1	0.716095219	0.000100024	ENSG00000188001	TPRG1	0.48443645	2.40E-17
ENSG00000272274	LINC00551	0.716644158	1.10E-06	ENSG00000143556	S100A7	0.485477956	4.67E-08
ENSG00000251615	RP11-774O3.3	0.718467203	6.94E-15	ENSG00000188505	NCCRP1	0.494563433	1.27E-24
ENSG00000104725	NEFL	0.73301614	0.002010748	ENSG00000203867	RBM20	0.509715465	3.99E-11
ENSG00000261268	RP11-308D13.3	0.738160783	1.12E-11	ENSG00000163141	BNIP1	0.518207146	7.40E-13
ENSG00000272582	RP5-1039K5.17	0.749788821	5.67E-11	ENSG00000158055	GRHL3	0.527473225	3.60E-16
ENSG00000247095	MIR210HG	0.757195449	8.36E-09	ENSG00000188373	C10orf99	0.531242644	3.13E-11
ENSG00000268307	CTD-2619J13.13	0.758794175	6.15E-16	ENSG00000154227	CERS3	0.540713022	2.01E-12
ENSG00000228789	HCG22	0.768626215	3.26E-08	ENSG00000174564	IL20RB	0.541811832	2.11E-14
ENSG00000236088	COX10-AS1	0.769801737	2.84E-07	ENSG00000197191	C9orf169	0.542077943	1.23E-17
ENSG00000261668	RP11-50D9.3	0.771684882	2.77E-06	ENSG00000174226	SNX31	0.544859209	1.31E-10
ENSG00000272841	RP3-428L16.2	0.777093812	6.96E-05	ENSG00000165799	RNASE7	0.546281683	1.30E-07
ENSG00000230438	RP11-420G6.4	0.778973354	2.99E-05	ENSG00000096006	CRISP3	0.557028068	0.003569522
ENSG00000270076	AF131215.8	0.779383671	1.65E-05	ENSG00000166317	SYNPO2L	0.560317357	4.72E-08
ENSG00000224905	AP001347.6	0.779954796	1.62E-07	ENSG00000158246	FAM46B	0.566427052	1.14E-16
ENSG00000261189	RP3-512B11.3	0.781437388	1.62E-09	ENSG00000124882	EREG	0.567588679	5.30E-10
ENSG00000224818	RP11-134G8.8	0.785076227	8.24E-11	ENSG00000169509	CRCT1	0.569422079	0.002389378
ENSG00000259644	RP11-680F8.4	0.789012888	4.49E-09	ENSG00000171004	HS6ST2	0.57046261	1.10E-12
ENSG00000270062	RP11-248J18.3	0.795118773	9.34E-10	ENSG00000206072	SERPINB11	0.572140379	3.86E-08
ENSG00000260249	RP11-401P9.5	0.798966918	9.85E-13	ENSG00000162398	C1orf177	0.574143381	6.15E-12
ENSG00000228288	PCAT6	0.799030157	2.39E-07	ENSG00000140519	RHCG	0.577408936	0.00306364
ENSG00000225138	CTD-2228K2.7	0.804758716	4.30E-07	ENSG00000136155	SCEL	0.582056887	0.003787064
ENSG00000198221	MLLT4-AS1	0.804861915	9.70E-05	ENSG00000161249	DMKN	0.582078205	8.36E-15
ENSG00000269397	CTB-92J24.2	0.812401905	2.28E-06	ENSG00000151136	BTBD11	0.58237317	1.85E-13
ENSG00000258616	RP11-369C8.1	0.813231686	0.000179307	ENSG00000087128	TMPRSS11E	0.583536023	0.00317483
ENSG00000213963	AC074286.1	0.818616045	3.62E-06	ENSG00000169469	SPRR1B	0.584622597	0.007890566
ENSG00000269728	RP11-145M9.4	0.828715715	6.97E-05	ENSG00000171401	KRT13	0.589261342	0.006532807
ENSG00000261737	RP4-612B15.3	0.831505126	2.82E-12	ENSG00000143536	CRNN	0.592828643	0.002566508
ENSG00000234222	RP11-315I20.1	0.833190609	1.54E-08	ENSG00000178363	CALML3	0.594957428	0.002238801
ENSG00000231734	RP6-206I17.2	0.833976107	1.02E-12	ENSG00000197632	SERPINB2	0.596511498	0.004025938

ENSG00000258655	ARHGAP5-AS1	0.842537611	4.00E-07	ENSG00000172005	MAL	0.599614982	0.000859396
ENSG00000166770	ZNF667-AS1	0.844786852	1.51E-07	ENSG00000016602	CLCA4	0.599722084	0.002636114
ENSG00000229807	XIST	0.845624381	1.81E-05	ENSG00000188508	KRTDAP	0.600277188	3.12E-09
ENSG00000270157	RP5-894A10.6	0.845761192	6.82E-06	ENSG00000126233	SLURP1	0.601049634	0.00109717
ENSG00000246375	RP11-10L7.1	0.847139318	4.08E-10	ENSG00000171346	KRT15	0.607036326	0.002514537
ENSG00000233967	RP11-250B2.3	0.848733216	8.55E-05	ENSG00000145934	TENM2	0.607593799	5.75E-14
ENSG00000273308	RP11-496H1.2	0.851663851	1.33E-08	ENSG00000140254	DUOXA1	0.612436816	3.41E-15
ENSG00000223573	TINCR	0.853936541	3.13E-11	ENSG00000177508	IRX3	0.614015354	2.40E-12
ENSG00000272686	RP11-390E23.6	0.855231295	1.65E-06	ENSG00000142973	CYP4B1	0.619645521	0.000109793
ENSG00000272016	RP11-215G15.5	0.855948032	5.66E-06	ENSG00000188293	IGFL1	0.628062104	4.09E-09
ENSG00000235097	LINC00330	0.856245872	4.26E-08	ENSG00000134317	GRHL1	0.629211347	5.64E-14
ENSG00000269985	RP1-232P20.1	0.856977018	7.67E-06	ENSG00000176771	NCKAP5	0.630096972	1.96E-12
ENSG00000272106	RP11-345P4.9	0.857904682	3.52E-07	ENSG00000166828	SCNN1G	0.631086005	1.23E-14
ENSG00000272198	RP11-309G3.3	0.858242494	2.96E-08	ENSG00000186081	KRT5	0.63160128	0.008029297
ENSG00000267381	CTD-2086O20.3	0.858976395	3.20E-07	ENSG00000137975	CLCA2	0.631721855	0.003882145
ENSG00000235947	EGOT	0.859489954	0.000201761	ENSG00000139926	FRMD6	0.632712331	3.72E-14
ENSG00000251603	RP11-164P12.4	0.859515819	4.78E-09	ENSG00000126878	AIF1L	0.635482233	1.04E-14
ENSG00000215458	AP001053.11	0.862883899	1.14E-05	ENSG00000143631	FLG	0.636573455	0.005004486
ENSG00000269958	RP11-73M18.8	0.863012145	2.00E-09	ENSG00000111405	ENDOU	0.637536119	0.001796791
ENSG00000269962	RP13-238F13.5	0.86363022	9.70E-07	ENSG00000163331	DAPL1	0.638135715	1.93E-13
ENSG00000232586	RP11-46A10.4	0.865191484	3.73E-06	ENSG00000206073	SERPINB4	0.638334992	0.007119014
ENSG00000230551	CTB-89H12.4	0.865220183	1.33E-05	ENSG00000073737	DHRS9	0.641384718	4.36E-10
ENSG00000230387	RP4-737E23.2	0.86701149	2.77E-09	ENSG00000125998	FAM83C	0.641771517	4.08E-13
ENSG00000236830	CBR3-AS1	0.868121736	2.22E-07	ENSG00000205420	KRT6A	0.646193564	0.007542015
ENSG00000204091	TDRG1	0.870628677	0.000153913	ENSG00000169474	SPRR1A	0.646555182	0.007939959
ENSG00000263823	RP11-326K13.4	0.87132398	2.49E-06	ENSG00000128849	CGNL1	0.650519562	4.38E-14
ENSG00000223799	IL10RB-AS1	0.872186939	2.90E-08	ENSG00000198483	ANKRD35	0.650828082	9.94E-14
ENSG00000262714	RP11-44F14.8	0.872961613	3.21E-05	ENSG00000139988	RDH12	0.651468857	4.00E-19
ENSG00000227888	FAM66A	0.873418834	8.86E-06	ENSG00000164520	RAET1E	0.652112455	7.22E-13
ENSG00000244040	IL12A-AS1	0.874348663	8.84E-05	ENSG00000167768	KRT1	0.652314428	0.002660479
ENSG00000245532	NEAT1	0.875495772	7.52E-06	ENSG00000186847	KRT14	0.65243322	0.030967526
ENSG00000206567	AC022007.5	0.878063676	0.000143415	ENSG00000134121	CHL1	0.652468265	5.66E-09
ENSG00000233429	HOTAIRM1	0.878526351	5.60E-05	ENSG00000145777	TSLP	0.65667547	2.59E-11
ENSG00000260231	JHDM1D-AS1	0.880617228	9.60E-06	ENSG00000203837	PNLIPRP3	0.656778482	7.76E-06
ENSG00000254109	RBPMS-AS1	0.880703068	1.80E-05	ENSG00000163472	TMEM79	0.658183305	2.49E-16
ENSG00000260101	RP11-568N6.1	0.882849069	7.26E-05	ENSG00000092295	TGM1	0.660813646	0.003415385
ENSG00000260992	DOCK9-AS2	0.883369465	1.06E-08	ENSG00000125780	TGM3	0.662100794	0.000952453
ENSG00000243069	ARHGEF26-AS1	0.883553643	1.36E-05	ENSG00000094755	GABRP	0.66569305	5.48E-06
ENSG00000250208	FZD10-AS1	0.883947343	4.61E-07	ENSG00000141579	ZNF750	0.665739589	0.000764349
ENSG00000242512	RP11-416O18.1	0.886616191	3.16E-08	ENSG00000108839	ALOX12	0.665821759	0.003410225
ENSG00000245694	CRNDE	0.887662487	0.019551113	ENSG00000197580	BCO2	0.66857521	1.82E-10
ENSG00000253982	CTD-2336O2.1	0.887915146	2.31E-05	ENSG00000136688	IL36G	0.669544402	1.13E-06
ENSG00000223839	FAM95B1	0.888404217	2.67E-07	ENSG00000138271	GPR87	0.66955216	0.001706189
ENSG00000261438	RP11-399O19.9	0.890226578	2.42E-07	ENSG00000163209	SPRR3	0.670680272	0.006902446
ENSG00000258634	RP4-773N10.4	0.890430962	5.65E-05	ENSG00000170006	TMEM154	0.673711953	4.71E-12
ENSG00000259153	RP6-65G23.3	0.891011841	7.89E-09	ENSG00000169583	CLIC3	0.675053056	0.010187879
ENSG00000267279	RP11-879F14.2	0.891408715	0.000757409	ENSG00000163202	LCE3D	0.677601291	2.36E-06

ENSG00000266680	RP5-1148A21.3	0.892364083	0.006067127	ENSG00000175984	DENND2C	0.67797219	5.40E-14
ENSG00000225942	AC093326.2	0.893375392	9.23E-10	ENSG00000134762	DSC3	0.680630203	0.002484122
ENSG00000229645	LINC00341	0.893786717	0.006039709	ENSG00000057149	SERPINB3	0.680673385	0.006259661
ENSG00000236404	RP11-125B21.2	0.895811392	7.23E-05	ENSG00000119938	PPP1R3C	0.682494185	0.000161572
ENSG00000237975	FLG-AS1	0.896443947	6.13E-10	ENSG00000196344	ADH7	0.684027462	0.00454562
ENSG00000233901	RP11-65J3.1	0.896669566	0.004227454	ENSG00000104722	NEFM	0.688875674	7.21E-05
ENSG00000241881	U66059.58	0.896883888	0.003328109	ENSG00000170837	GPR27	0.691703416	9.77E-17
ENSG00000267709	AC024592.9	0.89705444	1.86E-07	ENSG00000170954	ZNF415	0.692458821	7.62E-10
ENSG00000261116	RP3-523K23.2	0.897061302	0.000584275	ENSG00000118242	MREG	0.692817983	4.46E-11
ENSG00000270127	RP11-526I2.5	0.897318384	0.030439312	ENSG00000248485	PCP4L1	0.693155662	1.77E-08
ENSG00000267414	RP11-456K23.1	0.897829175	2.83E-05	ENSG00000091844	RGS17	0.69372687	3.63E-06
ENSG00000259539	CTD-2651B20.1	0.897855298	0.007049549	ENSG00000109182	CWH43	0.694457117	0.003408726
ENSG00000203709	C1orf132	0.897972001	0.006526293	ENSG00000197641	SERPINB13	0.69466254	0.00321722
ENSG00000215386	LINC00478	0.897977172	1.61E-08	ENSG00000162444	RBP7	0.694815148	6.99E-11
ENSG00000259841	RP11-488I20.3	0.899787285	0.002304406	ENSG00000166123	GPT2	0.696917816	2.08E-16
ENSG00000253744	AC025442.3	0.89979118	1.06E-06	ENSG00000137440	FGFBP1	0.696938648	0.003195648
ENSG00000259291	RP11-617F23.1	0.901297847	0.049365153	ENSG00000167656	LY6D	0.69727556	0.008045298
ENSG00000229891	Z83851.1	0.902216102	0.00120226	ENSG00000196754	S100A2	0.698653393	0.015695697
ENSG00000272452	RP11-391M1.4	0.9022352	0.01229114	ENSG00000212900	KRTAP3-2	0.699364392	0.00057699
ENSG00000223784	RP11-554I8.2	0.902249312	1.74E-05	ENSG00000105131	EPHX3	0.699623749	0.003380723
ENSG00000272734	ADIRF-AS1	0.904716926	8.74E-05	ENSG00000177494	ZBED2	0.699758497	0.00278138
ENSG00000242516	LINC00960	0.905343255	0.030558559	ENSG00000170426	SDR9C7	0.699876532	5.86E-09
ENSG00000228223	HCG11	0.905702679	0.044782246	ENSG00000134757	DSG3	0.700135909	0.006703963
ENSG00000260461	RP11-541N10.3	0.906321876	1.40E-05	ENSG00000121552	CSTA	0.700196193	0.010378255
ENSG00000263244	RP11-473I1.10	0.906616399	3.42E-07	ENSG00000185633	NDUFA4L2	0.702482377	0.000896722
ENSG00000225092	RP11-405O10.2	0.906659081	0.000109047	ENSG00000077063	CTTNBP2	0.702969808	1.06E-07
ENSG00000228463	AP006222.2	0.907122594	1.59E-05	ENSG00000213859	KCTD11	0.70415448	3.42E-15
ENSG00000227959	RP11-276H7.2	0.90894043	0.001669614	ENSG00000143882	ATP6V1C2	0.70422798	1.11E-08
ENSG00000176728	TTYT14	0.909376616	0.027547284	ENSG00000185479	KRT6B	0.705131917	0.026885834
ENSG00000260484	RP11-1081M5.2	0.909627548	2.04E-07	ENSG00000132746	ALDH3B2	0.705629127	0.000478941
ENSG00000249790	RP11-20D14.6	0.90980926	1.52E-06	ENSG00000165474	GJB2	0.705867307	3.21E-11
ENSG00000269386	RAB11B-AS1	0.910003569	6.85E-05	ENSG00000168447	SCNN1B	0.706753905	0.001093043
ENSG00000259359	RP11-327J17.2	0.912235511	5.18E-06	ENSG00000167755	KLK6	0.708084395	2.07E-06
ENSG00000256020	RP5-1154L15.2	0.912269554	0.000141913	ENSG00000139433	GLTP	0.709127422	0.000323921
ENSG00000233729	AC016909.1	0.912643925	9.58E-09	ENSG00000165449	SLC16A9	0.709562198	2.57E-13
ENSG00000227403	AC009299.3	0.913151051	0.000214374	ENSG00000171476	HOPX	0.711317466	0.006958434
ENSG00000233694	AC007365.1	0.913375264	5.37E-07	ENSG00000186832	KRT16	0.711450569	0.045130183
ENSG00000228237	EFCAB14-AS1	0.913516364	2.12E-08	ENSG00000133710	SPINK5	0.711800323	0.012649145
ENSG00000250685	RP11-486L19.2	0.913612647	0.000225279	ENSG00000163207	IVL	0.712384457	0.005242839
ENSG00000269956	MKNK1-AS1	0.914751029	1.97E-05	ENSG00000169035	KLK7	0.713246135	0.005758954
ENSG00000272343	RP11-140I16.3	0.915061716	0.01124479	ENSG00000121236	TRIM6	0.713740403	2.32E-08
ENSG00000255100	RP11-21L23.3	0.915163289	0.000777048	ENSG00000134760	DSG1	0.713937312	0.010568455
ENSG00000196668	LINC00173	0.91556893	3.84E-09	ENSG00000137857	DUOX1	0.714016389	0.002602306
ENSG00000175873	AC004840.9	0.915598578	0.006090726	ENSG00000129151	BBOX1	0.715958755	0.001412244
ENSG00000267670	CTB-55O6.4	0.916274719	0.013138559	ENSG00000167916	KRT24	0.716244441	0.012532138
ENSG00000250596	RP11-440I14.2	0.916560636	0.001019933	ENSG00000153802	TMPRSS11D	0.717025819	0.002189422
ENSG00000260042	CTD-2034I21.1	0.91705954	1.83E-09	ENSG00000147394	ZNF185	0.717348202	0.002367935

ENSG00000268505	RP11-805I24.3	0.917103054	1.47E-07	ENSG00000118596	SLC16A7	0.718751377	2.49E-09
ENSG00000263731	RP11-498C9.15	0.918312456	0.01477644	ENSG00000124466	LYPD3	0.718770946	0.005959305
ENSG00000230269	RP1-40E16.9	0.918412516	3.31E-07	ENSG00000147697	GSDMC	0.718811127	7.06E-13
ENSG00000260396	AC012065.7	0.918870158	0.003057221	ENSG00000143320	CRABP2	0.720141617	0.002988715
ENSG00000259322	RP11-762H8.1	0.919052734	0.004243812	ENSG00000165272	AQP3	0.721083513	0.004266987
ENSG00000272645	RP11-504P24.8	0.919319903	5.52E-05	ENSG00000150782	IL18	0.721205813	0.006443029
ENSG00000263724	DLGAP1-AS3	0.919331192	5.75E-06	ENSG00000147689	FAM83A	0.722105621	1.43E-11
ENSG00000231324	AP000696.2	0.919334383	1.52E-06	ENSG00000171056	SOX7	0.722564917	2.68E-10
ENSG00000232224	LINC00202-1	0.919492276	3.63E-06	ENSG00000047346	FAM214A	0.723088494	3.46E-13
ENSG00000227372	TP73-AS1	0.919734195	1.09E-05	ENSG00000081277	PKP1	0.723757643	0.002617923
ENSG00000225261	RP5-937E21.8	0.920740941	2.99E-10	ENSG00000059728	MXD1	0.725613105	0.001998643
ENSG00000257114	RP11-25I15.3	0.921197858	2.07E-06	ENSG00000159231	CBR3	0.726032511	0.000738812
ENSG00000262061	RP11-1260E13.4	0.921231604	0.00554483	ENSG00000150054	MPP7	0.726157584	4.98E-14
ENSG00000253314	LINC00293	0.92160335	1.52E-05	ENSG00000198807	PAX9	0.726736056	0.001407552
ENSG00000236301	MRGPRG-AS1	0.921693234	1.74E-06	ENSG00000168329	CX3CR1	0.726934596	3.36E-09
ENSG00000228812	RP11-157P1.5	0.921826136	2.25E-05	ENSG00000127249	ATP13A4	0.72779722	2.93E-11
ENSG00000164621	SMAD5-AS1	0.921906518	0.027982937	ENSG00000196172	ZNF681	0.730593571	1.70E-10
ENSG00000256146	RP11-319E16.2	0.924495266	5.14E-06	ENSG00000162040	HS3ST6	0.731037121	1.24E-06
ENSG00000257762	RP11-626I20.3	0.924587517	4.66E-06	ENSG00000104140	RHOV	0.731310019	3.11E-15
ENSG00000267470	ZNF571-AS1	0.924593013	5.02E-06	ENSG00000046653	GPM6B	0.731516768	1.47E-21
ENSG00000236199	RP11-264I13.2	0.924674003	0.000505543	ENSG00000118898	PPL	0.732122085	0.004420196
ENSG00000239508	PLCH1-AS1	0.924820887	2.17E-06	ENSG00000143217	PVRL4	0.732607697	7.35E-17
ENSG00000255270	NAV2-IT1	0.925000341	0.00015149	ENSG00000007306	CEACAM7	0.734191028	3.55E-06
ENSG00000267610	AC007787.2	0.925919671	1.68E-08	ENSG00000060558	GNA15	0.735162521	0.007447562
ENSG00000225194	LINC00092	0.926004732	0.000406203	ENSG00000183018	SPNS2	0.736612295	9.83E-13
ENSG00000232656	IDI2-AS1	0.926048344	0.004883905	ENSG00000185567	AHNAK2	0.737062073	0.004553975
ENSG00000257137	C12orf80	0.92633669	7.80E-05	ENSG00000143369	ECM1	0.737687171	0.003163141
ENSG00000222043	AC079305.10	0.926542261	0.006959398	ENSG00000188112	C6orf132	0.737857591	8.87E-19
ENSG00000236656	RP11-144L1.4	0.926606074	0.000516979	ENSG00000158825	CDA	0.738390986	0.003996229
ENSG00000229589	ACVR2B-AS1	0.926646267	0.011455392	ENSG00000069011	PITX1	0.738675996	0.00628976
ENSG00000267701	RP11-28F1.2	0.926647281	0.003438209	ENSG00000138594	TMOD3	0.738738097	0.016594935
ENSG00000224702	RP11-38C18.2	0.927422174	9.17E-05	ENSG00000186462	NAP1L2	0.739364716	6.91E-11
ENSG00000270055	CTD-3092A11.2	0.927474924	0.024256669	ENSG00000180787	ZFP3	0.739452435	8.04E-08
ENSG00000225742	RP11-513G11.4	0.927783813	0.000182436	ENSG00000182983	ZNF662	0.739698776	3.24E-09
ENSG00000233997	AP000475.2	0.927792707	9.06E-06	ENSG00000079215	SLC1A3	0.740813456	3.59E-11
ENSG00000185904	LINC00839	0.928144759	0.000897278	ENSG00000167767	KRT80	0.740992737	2.29E-07
ENSG00000257151	PWAR6	0.928398445	0.000833088	ENSG00000183036	PCP4	0.741461844	0.011602096
ENSG00000260793	RP5-882C2.2	0.928430163	0.002381877	ENSG00000111432	FZD10	0.741733677	0.003240677
ENSG00000260394	LA16c-313D11.9	0.92854428	2.84E-08	ENSG00000133401	PDZD2	0.742142116	0.001291233
ENSG00000263214	ZNF205-AS1	0.928969307	0.022899432	ENSG00000176171	BNIP3	0.742449927	0.000460253
ENSG00000261374	RP11-64K12.10	0.928986835	0.003032248	ENSG00000163221	S100A12	0.742832491	0.011550434
ENSG00000271738	RP11-137H2.6	0.929472824	0.000219659	ENSG00000164284	GRPEL2	0.743019394	2.32E-09
ENSG00000235862	RP11-338C15.5	0.929638426	0.014879512	ENSG00000091513	TF	0.743284985	0.0161668
ENSG00000258168	RP11-588H23.3	0.929648754	1.66E-06	ENSG00000152137	HSPB8	0.743408544	0.003048603
ENSG00000250056	LINC01018	0.930088734	6.51E-06	ENSG00000103044	HAS3	0.744156317	4.37E-07
ENSG00000229699	RP1-140J1.1	0.930194371	4.39E-06	ENSG00000167759	KLK13	0.744766556	0.002810347
ENSG00000225135	RP11-361F15.2	0.930250171	0.011512238	ENSG00000088002	SULT2B1	0.745047103	0.005522043

ENSG00000258920	FOXN3-AS1	0.930458672	1.96E-08	ENSG00000163220	S100A9	0.745183272	0.014762318
ENSG00000258716	RP11-661G16.2	0.930863961	0.008162022	ENSG00000135373	EHF	0.745479045	4.97E-13
ENSG00000236499	LINC00896	0.930947644	0.000104475	ENSG00000112964	GHR	0.745545906	5.46E-05
ENSG00000261879	RP11-333E1.1	0.931094137	2.99E-05	ENSG00000189334	S100A14	0.74626639	5.48E-13
ENSG00000100181	TPTEP1	0.931244444	3.76E-06	ENSG00000183943	PRKX	0.746766424	7.04E-12
ENSG00000247473	CARS-AS1	0.931340974	0.000171309	ENSG00000070190	DAPP1	0.746786733	8.91E-13
ENSG00000259700	RP11-485O10.3	0.93204785	0.037014803	ENSG00000198729	PPP1R14C	0.746829343	5.76E-07
ENSG00000231890	AC093391.2	0.93210672	0.00106897	ENSG00000167754	KLK5	0.746899155	1.95E-06
ENSG00000267650	CTD-2553C6.1	0.932308553	0.004304265	ENSG00000160588	MPZL3	0.747058992	2.22E-14
ENSG00000243797	CTB-111H14.1	0.932376899	2.93E-06	ENSG00000013016	EHD3	0.74924294	0.000862005
ENSG00000237380	HOXD-AS2	0.932724918	0.000506152	ENSG00000175315	CST6	0.749397602	0.014590245
ENSG00000270021	CTC-203F4.2	0.932734163	7.44E-05	ENSG00000179639	FCER1A	0.749959885	0.004124986
ENSG00000247556	OIP5-AS1	0.932738474	0.000121455	ENSG00000148841	ITPRIP	0.750203928	1.39E-12
ENSG00000259321	RP11-468E2.5	0.932919645	0.016955124	ENSG00000183696	UPP1	0.751608818	1.46E-10
ENSG00000261222	CTD-2006K23.1	0.932928341	1.42E-06	ENSG00000135046	ANXA1	0.751753276	0.010468134
ENSG00000253302	STAU2-AS1	0.932930612	0.000400261	ENSG00000189280	GJB5	0.751835376	0.002005549
ENSG00000224397	RP11-290F20.3	0.932988047	0.001208524	ENSG00000167757	KLK11	0.752191816	0.01028868
ENSG00000237781	RP11-54A4.2	0.933011008	0.000259729	ENSG00000177191	B3GNT8	0.752310289	2.24E-11
ENSG00000226644	RP11-128M1.1	0.933180037	0.002440622	ENSG00000113369	ARRDC3	0.752823804	5.33E-12
ENSG00000256115	RP11-319E16.1	0.933580949	2.52E-05	ENSG00000185306	C12orf56	0.75300365	3.05E-06
ENSG00000259267	RP11-432J9.6	0.934024233	9.08E-05	ENSG00000172575	RASGRP1	0.753766865	9.31E-08
ENSG00000260907	AC008088.4	0.93405787	8.50E-06	ENSG00000111713	GYS2	0.753844747	0.004334377
ENSG00000261504	RP11-317P15.4	0.934165593	0.000944004	ENSG00000132514	CLEC10A	0.754193794	1.20E-10
ENSG00000259964	RP11-673C5.2	0.93417282	8.94E-06	ENSG00000134531	EMP1	0.75439061	0.003301573
ENSG00000254615	RP11-395G23.3	0.934193934	0.018461974	ENSG00000102409	BEX4	0.754410633	0.001295332
ENSG00000254815	RP11-496I9.1	0.934278705	0.000318536	ENSG00000010932	FMO1	0.754537653	4.16E-06
ENSG00000240893	RP11-572C15.5	0.93444071	1.96E-05	ENSG00000108242	CYP2C18	0.754598179	2.73E-08
ENSG00000253871	RP11-756K15.2	0.934456165	2.97E-06	ENSG00000110852	CLEC2B	0.755039537	7.02E-09
ENSG00000236747	RP11-157D23.1	0.934563615	0.000315805	ENSG00000186377	CYP4X1	0.755625202	9.06E-06
ENSG00000175061	FAM211A-AS1	0.934572908	1.64E-05	ENSG00000144847	IGSF11	0.755680967	7.12E-06
ENSG00000269696	AC007228.11	0.9347381	1.89E-05	ENSG00000111907	TPD52L1	0.755953562	0.000921434
ENSG00000176734	TRIL	0.934986103	0.039884135	ENSG00000109846	CRYAB	0.756376738	0.002794871
ENSG00000228889	UBAC2-AS1	0.935047891	1.05E-05	ENSG00000198759	EGFL6	0.757418459	3.04E-08
ENSG00000179859	AC025335.1	0.935093117	0.00216005	ENSG00000215853	RPTN	0.757494424	0.000141091
ENSG00000260647	RP1-178F10.1	0.93557867	4.19E-05	ENSG00000128510	CPA4	0.757625186	0.00361997
ENSG00000251230	RP11-701P16.5	0.935814702	2.85E-06	ENSG00000163053	SLC16A14	0.758106977	5.31E-05
ENSG00000261295	RP11-524D16__A.3	0.936364256	0.005042541	ENSG00000094963	FMO2	0.758364734	9.21E-05
ENSG00000269975	RP11-58B17.2	0.936786186	0.000130871	ENSG00000184254	ALDH1A3	0.758445026	1.16E-08
ENSG00000270177	CTD-2410N18.3	0.937054917	0.003402518	ENSG00000234284	ZNF879	0.758799978	3.57E-06
ENSG00000205696	ADARB2-AS1	0.937177268	2.28E-05	ENSG00000124102	PI3	0.758874203	3.18E-06
ENSG00000272329	RP11-65L19.4	0.937288724	4.76E-06	ENSG00000105668	UPK1A	0.759924552	0.016244063
ENSG00000224318	CHL1-AS2	0.937828939	6.33E-06	ENSG00000175121	WFDC5	0.76053079	6.79E-12
ENSG00000267010	RP11-108P20.1	0.937857683	0.000118695	ENSG00000126803	HSPA2	0.761273787	0.003141258
ENSG00000264464	RP11-110H1.8	0.937987212	9.28E-06	ENSG00000180758	GPR157	0.761656537	1.50E-13
ENSG00000181800	CELF2-AS1	0.938011961	0.00034606	ENSG00000123892	RAB38	0.761678824	0.013472018
ENSG00000260256	AP001063.1	0.938177484	1.07E-05	ENSG00000136689	IL1RN	0.762957779	0.006581907
ENSG00000261683	LINC00838	0.938529051	3.55E-05	ENSG00000172548	NIPAL4	0.763363097	1.72E-11

ENSG00000268240	RP11-678G14.4	0.93861868	0.000205329	ENSG00000170786	SDR16C5	0.763582806	3.56E-09
ENSG00000250366	LINC00617	0.938923579	8.04E-05	ENSG00000185052	SLC24A3	0.763895075	0.000379109
ENSG00000237594	AP000251.3	0.939063227	0.001234566	ENSG00000086570	FAT2	0.763944225	0.001259818
ENSG00000260482	CTD-2196E14.9	0.939182488	0.002542361	ENSG00000114790	ARHGEF26	0.764030307	6.01E-13
ENSG00000215560	TTY5	0.939186243	0.001456054	ENSG00000158315	RHBDL2	0.764518955	6.95E-10
ENSG00000233452	STXBP5-AS1	0.939260248	0.000144521	ENSG00000108602	ALDH3A1	0.764541119	0.00628727
ENSG00000225891	RP3-476K8.3	0.939394774	0.000935921	ENSG00000118495	PLAGL1	0.764618317	5.43E-07
ENSG00000259814	RP11-300A12.2	0.939447228	2.68E-07	ENSG00000196968	FUT11	0.765524196	1.06E-07
ENSG00000269974	RP11-932O9.10	0.93969945	0.040445347	ENSG00000186474	KLK12	0.765556562	0.021795903
ENSG00000272899	RP11-309L24.9	0.939718019	0.01170611	ENSG00000180044	C3orf80	0.766152023	0.000623906
ENSG00000225879	RP3-495K2.3	0.939733024	0.006316876	ENSG00000142765	SYTL1	0.767009657	4.34E-11
ENSG00000224635	RP4-564F22.5	0.939837411	1.42E-05	ENSG00000185909	KLHDC8B	0.767111158	1.49E-13
ENSG00000237399	PITRM1-AS1	0.939838756	0.002584137	ENSG00000010017	RANBP9	0.767140045	0.000475216
ENSG00000250073	RP11-677M14.3	0.940280929	0.001961668	ENSG00000205413	SAMD9	0.767823311	1.29E-06
ENSG00000260569	RP11-669I1.1	0.940421371	0.000156842	ENSG00000137699	TRIM29	0.768288273	0.002513979
ENSG00000226387	SORCS3-AS1	0.940573101	0.001172787	ENSG00000225950	NTF4	0.769501166	1.30E-05
ENSG00000227308	AC009502.4	0.940825908	5.61E-06	ENSG00000157625	TAB3	0.770690715	1.54E-09
ENSG00000259837	RP11-672L10.1	0.940852996	6.18E-05	ENSG00000030419	IKZF2	0.771195616	1.34E-13
ENSG00000260095	RP11-715J22.3	0.94088544	0.007112581	ENSG00000145365	TIFA	0.771708522	2.20E-11
ENSG00000259175	RP11-379K22.2	0.940976114	8.03E-06	ENSG00000127955	GNAI1	0.772484415	2.97E-08
ENSG00000272100	RP11-155O18.6	0.941067046	1.22E-06	ENSG00000101213	PTK6	0.772643138	1.94E-16
ENSG00000224939	LINC00184	0.941082823	6.62E-06	ENSG00000178163	ZNF518B	0.77285489	7.39E-06
ENSG00000269859	CTD-2537I9.16	0.94113134	0.000442891	ENSG00000178372	CALML5	0.77350255	0.002457614
ENSG00000261338	RP11-378A13.1	0.941235843	0.014904942	ENSG00000163689	C3orf67	0.773554528	0.000611726
ENSG00000272180	RP11-481J13.1	0.941276402	0.000383638	ENSG00000025039	RRAGD	0.773623818	1.45E-05
ENSG00000261786	RP4-555D20.2	0.941357075	0.002433338	ENSG00000106853	PTGR1	0.774084608	1.97E-08
ENSG00000152931	PART1	0.941409559	4.27E-05	ENSG00000137819	PAQR5	0.77442959	3.20E-07
ENSG00000260947	RP11-384P7.7	0.941508817	0.000317455	ENSG00000109255	NMU	0.774780532	0.023095328
ENSG00000253679	KB-1410C5.2	0.941617137	4.97E-05	ENSG00000143382	ADAMTSL4	0.775241004	4.25E-12
ENSG00000248008	DYNLL1-AS1	0.941624267	0.004444227	ENSG00000069667	RORA	0.775263305	0.002361269
ENSG00000255224	CTD-3065J16.9	0.941778893	2.96E-05	ENSG00000197930	ERO1L	0.775728776	2.39E-13
ENSG00000228723	SRGAP3-AS2	0.941862224	7.08E-06	ENSG00000138764	CCNG2	0.777624409	0.000941245
ENSG00000241560	ZBTB20-AS1	0.941871692	0.004218101	ENSG00000146373	RNF217	0.778011173	1.02E-19
ENSG00000257499	RP11-571M6.8	0.942131322	0.000421878	ENSG00000156535	CD109	0.778170055	4.99E-07
ENSG00000261824	LINC00662	0.942169962	0.001146842	ENSG00000136694	IL36A	0.778715742	0.001658454
ENSG00000234007	AC020601.1	0.942443339	0.000350154	ENSG00000170477	KRT4	0.778915876	0.007978602
ENSG00000259330	LINC00984	0.942557308	0.000649901	ENSG00000185963	BICD2	0.778976155	0.000234858
ENSG00000245832	RP11-179A16.1	0.94275795	3.52E-05	ENSG00000162552	WNT4	0.779455256	0.002650548
ENSG00000249476	CTD-2587M2.1	0.942801934	0.000598664	ENSG00000181631	P2RY13	0.77990733	2.78E-07
ENSG00000261781	RP11-174G17.2	0.942846622	0.001052889	ENSG00000164120	HPGD	0.780488942	1.25E-05
ENSG00000236772	RP5-1184F4.5	0.942968818	0.004140411	ENSG00000133985	TTC9	0.780693655	0.00104403
ENSG00000259225	RP11-1008C21.1	0.943310876	0.001132199	ENSG00000120913	PDLIM2	0.780899388	0.000217557
ENSG00000273115	KB-1466C5.1	0.943339619	0.017748107	ENSG00000182489	XKRX	0.780918921	3.77E-12
ENSG00000251194	RP1-68D18.2	0.943463482	0.010043847	ENSG00000255501	CARD18	0.781190596	6.38E-05
ENSG00000272947	RP11-71H17.9	0.94361348	0.028501443	ENSG00000173559	NABP1	0.78158155	5.81E-08
ENSG00000260171	RP11-95H11.1	0.943713826	5.43E-05	ENSG00000134463	ECHDC3	0.782152662	0.007567248
ENSG00000238062	SPATA3-AS1	0.943793014	7.90E-06	ENSG00000065357	DGKA	0.782681704	0.001530282

ENSG00000228350	RP11-148G20.1	0.944024805	0.004830721	ENSG00000211789	TRAV12-2	0.782899176	0.001569338
ENSG00000246100	LINC00900	0.944077224	1.15E-07	ENSG00000135378	PRRG4	0.783118543	5.66E-13
ENSG00000267520	RP11-373L24.1	0.944185588	0.019135508	ENSG00000120594	PLXDC2	0.783240239	2.17E-08
ENSG00000272610	MAG1-IT1	0.944204051	0.001550887	ENSG00000064652	SNX24	0.783493643	1.59E-13
ENSG00000259968	RP11-428C6.2	0.944283902	0.002050509	ENSG00000242366	UGT1A1	0.783678546	0.009460384
ENSG00000230587	AC093609.1	0.944470963	0.006786934	ENSG00000181652	ATG9B	0.78385648	1.15E-05
ENSG00000177553	RP11-56N19.5	0.944573895	0.000257509	ENSG00000211445	GPX3	0.78435072	0.002391633
ENSG00000265579	RP11-713C5.1	0.944682884	0.001612405	ENSG00000172421	EFCAB3	0.784790616	0.001685204
ENSG00000273106	RP11-559M23.1	0.944689208	0.00602785	ENSG00000105894	PTN	0.785116509	0.00068829
ENSG00000235823	LINC00263	0.94469066	0.008173904	ENSG00000133134	BEX2	0.785116997	0.001236177
ENSG00000260021	RP11-480I12.10	0.944708904	9.59E-06	ENSG00000100711	ZFYVE21	0.785137394	0.001443656
ENSG00000231971	RP11-557H15.3	0.944740569	0.000199344	ENSG00000146054	TRIM7	0.785603059	9.74E-14
ENSG00000226334	RP11-217B7.2	0.944812228	0.042389188	ENSG00000116031	CD207	0.785990279	0.000914308
ENSG00000227528	DIAPH3-AS1	0.944821038	5.52E-06	ENSG00000165861	ZFYVE1	0.786115799	3.52E-17
ENSG00000226374	RP13-614K11.2	0.944913709	0.001780987	ENSG00000104833	TUBB4A	0.786848638	8.44E-13
ENSG00000269653	CTB-102L5.7	0.944985779	0.001294379	ENSG00000085382	HACE1	0.787524851	2.14E-08
ENSG00000233338	TLR8-AS1	0.945078323	2.41E-05	ENSG00000108924	HLF	0.787703069	0.006912725
ENSG00000247324	RP11-510M2.2	0.945110989	0.00344821	ENSG00000168564	CDKN2AIP	0.789214171	1.33E-07
ENSG00000231964	RP11-67C2.2	0.945299029	0.013129302	ENSG00000188277	C15orf62	0.789813286	4.95E-10
ENSG00000226328	CTA-217C2.1	0.945421032	0.026368926	ENSG00000114251	WNT5A	0.789900574	4.75E-08
ENSG00000258702	RP11-433J8.1	0.945456058	0.000521621	ENSG00000100292	HMOX1	0.789927628	6.67E-09
ENSG00000260920	RP1-228H13.5	0.945493169	0.022929907	ENSG00000172478	C2orf54	0.790344923	0.000868745
ENSG00000182057	Z83851.3	0.94551973	5.99E-06	ENSG00000180596	HIST1H2BC	0.790428301	0.000275512
ENSG00000222044	RP5-1039K5.16	0.945899031	0.000685328	ENSG00000143546	S100A8	0.791103361	0.022793464
ENSG00000272774	RP11-433A10.3	0.945992228	3.77E-06	ENSG00000143412	ANXA9	0.791443678	0.005881103
ENSG00000215483	LINC00598	0.946186021	0.002982068	ENSG00000110315	RNF141	0.791506979	0.000909318
ENSG00000261076	RP11-179B15.6	0.946509489	0.000217641	ENSG00000153292	GPR110	0.791532169	0.005929075
ENSG00000267107	AC011526.1	0.946546324	0.000383522	ENSG00000124490	CRISP2	0.791771554	0.001075226
ENSG00000229042	RP1-232N11.2	0.94663291	0.001275527	ENSG00000243566	UPK3B	0.792526638	0.036696033
ENSG00000225083	GRTP1-AS1	0.946635685	1.13E-05	ENSG00000181804	SLC9A9	0.793030433	9.18E-18
ENSG00000125514	LINC00029	0.94677242	5.62E-06	ENSG00000176170	SPHK1	0.793700452	2.61E-09
ENSG00000258122	RP11-61A14.1	0.947165725	0.031970651	ENSG00000178761	FAM219B	0.793819169	1.23E-14
ENSG00000250986	AC141928.1	0.947208025	2.34E-05	ENSG00000160307	S100B	0.794032322	4.63E-07
ENSG00000241369	CT64	0.947319789	0.000286008	ENSG00000107104	KANK1	0.794146754	7.35E-05
ENSG00000226803	RP11-203B9.4	0.947477544	0.004495717	ENSG00000164442	CITED2	0.795645255	0.009584365
ENSG00000262155	RP11-266L9.5	0.947541682	5.19E-05	ENSG00000178038	ALS2CL	0.795921686	2.59E-09
ENSG00000272142	RP11-428J1.5	0.947563004	0.006913381	ENSG00000167880	EVPL	0.796291549	0.002866787
ENSG00000233399	RP11-111I12.1	0.947742198	0.000429093	ENSG00000140474	ULK3	0.796375327	1.20E-14
ENSG00000257943	RP11-167N24.3	0.94775439	1.91E-05	ENSG00000139679	LPAR6	0.797019716	7.81E-08
ENSG00000261126	RBFADN	0.947758425	0.000487622	ENSG00000075391	RASAL2	0.797182833	0.003148811
ENSG00000235096	RP11-83A16.1	0.947852598	0.001894304	ENSG00000182544	MFSD5	0.797942795	2.69E-14
ENSG00000248964	RP11-94H18.1	0.947937646	6.06E-05	ENSG00000134962	KLB	0.798430538	1.38E-08
ENSG00000245711	NADK2-AS1	0.948009159	0.000764453	ENSG00000126562	WNK4	0.798763867	0.000646219
ENSG00000248464	FGF10-AS1	0.948188932	0.001642613	ENSG00000101447	FAM83D	0.798768428	2.18E-09
ENSG00000254533	AF186192.1	0.948254953	0.002092468	ENSG00000171954	CYP4F22	0.800265423	1.43E-09
ENSG00000259907	RP6-91H8.2	0.948360205	0.000304962	ENSG00000146147	MLIP	0.800285635	6.48E-10
ENSG00000228127	RP11-12L8.1	0.948425861	4.59E-05	ENSG00000164825	DEFB1	0.800372749	0.023573694

ENSG00000255318	RP11-655M14.13	0.948427652	0.010077033	ENSG00000143622	RIT1	0.800420431	0.001800014
ENSG00000261655	CTD-3064M3.3	0.948437734	5.28E-05	ENSG00000127954	STEAP4	0.800773529	4.74E-05
ENSG00000237009	GLIS3-AS1	0.948453038	0.002031106	ENSG00000064655	EYA2	0.800907495	0.00305374
ENSG00000270742	RP4-802A10.1	0.948664334	0.005130081	ENSG00000138166	DUSP5	0.801071509	0.023179166
ENSG00000228624	RP3-399L15.3	0.948698235	0.001766944	ENSG00000149573	MPZL2	0.801114337	0.021401902
ENSG00000253116	RP11-648L3.2	0.948739353	0.040073769	ENSG00000164096	C4orf3	0.801120459	3.01E-13
ENSG00000230962	RP11-113E21.1	0.948850423	0.002445786	ENSG00000165072	MAMDC2	0.801348855	3.22E-05
ENSG00000228682	RP11-439L8.3	0.948894767	0.004627264	ENSG00000204421	LY6G6C	0.801438041	0.01943526
ENSG00000236024	RP11-483H20.6	0.949009207	0.000379476	ENSG00000011198	ABHD5	0.801454934	0.002428009
ENSG00000238107	RP11-495P10.5	0.949025223	0.005550562	ENSG00000182247	UBE2E2	0.801550551	1.67E-07
ENSG00000234265	RP11-157E14.1	0.949065176	0.001130191	ENSG00000174370	C11orf45	0.801694406	5.48E-09
ENSG00000204466	DGKK	0.949111249	0.000809271	ENSG00000142657	PGD	0.80225431	0.012473648
ENSG00000272459	RP11-1277A3.3	0.949120481	0.011441994	ENSG00000152454	ZNF256	0.802860551	0.000563994
ENSG00000259361	LINC00927	0.949192148	9.11E-05	ENSG00000110723	EXPH5	0.803964605	6.95E-10
ENSG00000267712	RP11-456O19.4	0.949362425	0.008052235	ENSG00000196260	SFTA2	0.804167604	0.001055245
ENSG00000235733	RP3-522P13.3	0.949404101	0.033535935	ENSG00000138311	ZNF365	0.804255787	0.00251732
ENSG00000260917	RP11-57H14.4	0.949410605	0.014324721	ENSG00000214013	GANC	0.804590865	1.17E-15
ENSG00000179818	PCBP1-AS1	0.949442146	1.70E-05	ENSG00000112297	AIM1	0.805042376	7.91E-11
ENSG00000256508	RP11-554A11.6	0.949545781	0.000110734	ENSG00000176014	TUBB6	0.805071556	0.002181105
ENSG00000261478	RP11-429B14.4	0.949805271	0.005063605	ENSG00000117519	CNN3	0.805586495	0.001061775
ENSG00000260305	NTRK3-AS1	0.94981233	9.57E-06	ENSG00000121413	ZSCAN18	0.805589408	0.019795371
ENSG00000188660	LINC00319	0.949996568	0.004552453	ENSG00000125945	ZNF436	0.805750416	2.70E-12
ENSG00000224078	SNHG14	0.950008416	0.001352295	ENSG00000204323	SMIM5	0.806627688	4.84E-11
ENSG00000269131	AC004447.2	0.950038861	0.042044749	ENSG00000163644	PPM1K	0.806694145	1.39E-07
ENSG00000226497	RP11-406O16.1	0.950127063	0.000732952	ENSG00000169594	BNC1	0.806817472	0.006599393
ENSG00000231163	RP5-1007G16.1	0.950213326	7.52E-05	ENSG00000078804	TP53INP2	0.807019647	1.72E-11
ENSG00000253298	AC008703.1	0.950452038	0.000827546	ENSG00000186529	CYP4F3	0.80728762	0.001006966
ENSG00000241313	WWTR1-AS1	0.950812564	0.019123244	ENSG00000145632	PLK2	0.807353916	2.36E-07
ENSG00000250456	AC006552.1	0.950894679	0.005976665	ENSG00000158089	GALNT14	0.807362668	0.002894205
ENSG00000261071	RP1-223E5.4	0.950947791	0.018176997	ENSG00000227051	C14orf132	0.807627983	7.29E-14
ENSG00000177112	MRV11-AS1	0.951001511	0.000187764	ENSG00000095585	BLNK	0.807636866	6.97E-08
ENSG00000224023	RP11-383C5.4	0.95107733	0.002195412	ENSG00000188549	C15orf52	0.807669267	3.21E-06
ENSG00000234693	RP4-530I15.6	0.951199324	0.000665177	ENSG00000155850	SLC26A2	0.807718344	3.47E-08
ENSG00000269318	AC007292.3	0.951206912	0.047307221	ENSG00000113742	CPEB4	0.807789209	1.95E-08
ENSG00000253552	HOXA-AS2	0.951305438	1.54E-05	ENSG00000140022	STON2	0.808328918	2.93E-11
ENSG00000245954	RP11-18H21.1	0.951330965	0.014639275	ENSG00000173320	STOX2	0.808331266	1.37E-07
ENSG00000246211	RP11-632K5.3	0.951417005	0.015411931	ENSG00000204103	MAFB	0.808985982	0.004206252
ENSG00000229481	CTD-2554C21.3	0.95149565	0.00088763	ENSG00000164687	FABP5	0.809241065	0.008460912
ENSG00000262152	LINC00514	0.951589691	0.001158922	ENSG00000156299	TIAM1	0.809459144	0.001738233
ENSG00000227543	SPAG5-AS1	0.951615144	0.000168173	ENSG00000158488	CD1E	0.810266817	5.10E-06
ENSG00000225670	CTA-134P22.2	0.95173788	0.014724277	ENSG00000176974	SHMT1	0.811059626	0.002534968
ENSG00000226272	ARHGAP26-AS1	0.951827993	0.000505648	ENSG00000099260	PALMD	0.811060636	0.001567253
ENSG00000226454	RP3-462C17.1	0.952054224	7.96E-05	ENSG00000163293	NIPAL1	0.811197031	1.47E-07
ENSG00000237941	KCNQ1DN	0.952197257	0.018485022	ENSG00000082397	EPB41L3	0.811224576	0.017816873
ENSG00000260600	RP11-109D24.1	0.952216905	0.000790936	ENSG00000180667	YOD1	0.811524315	1.01E-08
ENSG00000267761	CTD-2130O13.1	0.952283134	0.000323093	ENSG00000189377	CXCL17	0.812337633	0.00052244
ENSG00000227811	FAM212B-AS1	0.952335533	0.000610928	ENSG00000014257	ACPP	0.812815508	0.019332244

ENSG00000270059	RP11-88H12.2	0.952487061	0.00715295	ENSG00000133641	C12orf29	0.812880624	1.91E-09
ENSG00000266985	CTD-2329C7.2	0.952738451	0.004389484	ENSG00000162433	AK4	0.812964191	2.54E-05
ENSG00000254438	RP11-231N3.1	0.952778098	0.006828354	ENSG00000107984	DKK1	0.813098299	0.024631657
ENSG00000253557	RP11-1080G15.1	0.952872956	0.007520606	ENSG00000180155	LYNX1	0.813142088	3.38E-14
ENSG00000267593	RP11-108P20.4	0.952893193	0.003014585	ENSG00000080822	CLDND1	0.81317245	0.017069602
ENSG00000238217	AC093590.1	0.952919195	0.001842729	ENSG00000175893	ZDHHC21	0.813322936	1.22E-08
ENSG00000233123	LINC01007	0.952948134	0.001555032	ENSG00000107960	OBFC1	0.813393441	0.00030827
ENSG00000267287	RP11-567M16.1	0.953002882	0.000881575	ENSG00000169228	RAB24	0.813730125	1.30E-13
ENSG00000270093	AP000473.8	0.953074796	0.013028581	ENSG00000184985	SORCS2	0.813766263	2.35E-10
ENSG00000258424	RP11-471B22.2	0.953192259	0.031135717	ENSG00000041353	RAB27B	0.813800189	3.62E-06
ENSG00000258279	LINC00592	0.953236299	0.008604403	ENSG00000184702	5-Sep	0.81389227	0.000409656
ENSG00000255933	RP11-495K9.5	0.953238438	0.000178011	ENSG00000198074	AKR1B10	0.814066926	0.001940002
ENSG00000273387	RP3-412A9.16	0.953238495	0.000495414	ENSG00000100504	PYGL	0.814105437	0.006345751
ENSG00000196951	RP11-425I13.3	0.953295033	0.000126146	ENSG00000144063	MALL	0.814160769	0.025627667
ENSG00000236423	LINC01134	0.953312516	1.89E-07	ENSG00000122591	FAM126A	0.814803081	2.18E-10
ENSG00000196696	PDXDC2P	0.953351692	0.006003662	ENSG00000157379	DHRS1	0.815007215	0.006311399
ENSG00000246560	RP11-10L12.4	0.953430994	0.016646157	ENSG00000153294	GPR115	0.815241918	2.58E-09
ENSG00000261386	CTD-2012K14.6	0.953554564	0.013813034	ENSG00000142197	DOPEY2	0.815464972	8.05E-08
ENSG00000264920	RP11-6N17.4	0.953603375	0.002175584	ENSG00000187193	MT1X	0.815509403	0.001802604
ENSG00000182021	RP11-381O7.3	0.95364298	0.002317363	ENSG00000134058	CDK7	0.816038083	3.64E-14
ENSG00000251455	RP11-164P12.3	0.953653374	0.00185011	ENSG00000166592	RRAD	0.816125145	0.00374016
ENSG00000230928	RP11-34A14.3	0.953669556	0.001318644	ENSG00000114405	C3orf14	0.816398069	0.006503133
ENSG00000251538	RP11-166A12.1	0.953758019	0.010176373	ENSG00000175183	CSRP2	0.816407186	0.006499075
ENSG00000272942	CTA-246H3.12	0.95394876	0.002491125	ENSG00000147852	VLDLR	0.816588793	0.000285232
ENSG00000253521	HPYR1	0.954001208	0.00249046	ENSG00000130818	ZNF426	0.816693548	0.00202478
ENSG00000228135	AC073128.10	0.954171715	0.004920249	ENSG00000176945	MUC20	0.816908591	0.000239804
ENSG00000248505	RP11-319E12.1	0.954181968	0.004147827	ENSG00000143797	MBOAT2	0.816928689	3.78E-12
ENSG00000271409	RP11-432J9.3	0.954204887	0.005506769	ENSG00000182636	NDN	0.816957259	3.68E-10
ENSG00000261260	CTD-2520I13.1	0.954257508	0.00182548	ENSG00000114166	KAT2B	0.81706193	0.009721455
ENSG00000261442	RP11-709D24.6	0.954468844	0.018939545	ENSG00000147036	LANCL3	0.817361248	1.19E-07
ENSG00000263050	RP11-667K14.3	0.954958893	0.000584757	ENSG00000163032	VSNL1	0.81742606	0.002415356
ENSG00000268189	AC005785.2	0.954981829	0.009825982	ENSG00000138670	RASGEF1B	0.817663931	1.91E-06
ENSG00000260785	CASC17	0.954990934	0.018648151	ENSG00000196218	RYR1	0.818112672	0.002087183
ENSG00000255847	RP11-167N4.2	0.95501818	0.009244048	ENSG00000155761	SPAG17	0.818479647	1.61E-11
ENSG00000125804	FAM182A	0.955067501	0.043677876	ENSG00000136653	RASSF5	0.818674333	1.90E-13
ENSG00000228853	NEGR1-IT1	0.955141569	0.003272026	ENSG00000169299	PGM2	0.818751508	3.40E-08
ENSG00000259213	CTD-2071N1.1	0.955293814	0.009662557	ENSG00000137843	PAK6	0.818860738	0.005754456
ENSG00000263089	RP11-166P13.4	0.955378163	0.041518883	ENSG00000164070	HSPA4L	0.819084754	0.014768113
ENSG00000225498	AC002064.5	0.955396701	5.51E-06	ENSG00000079385	CEACAM1	0.819262875	2.01E-07
ENSG00000226009	KCNIP2-AS1	0.955415646	0.026546487	ENSG00000141682	PMAIP1	0.819279495	9.56E-06
ENSG00000225084	AL450226.2	0.955429489	0.022100438	ENSG00000090054	SPTLC1	0.819506738	0.009569691
ENSG00000267150	RP11-411B10.2	0.955457033	0.010090131	ENSG00000138678	AGPAT9	0.819601996	0.000142147
ENSG00000273172	AC108004.2	0.955491551	0.005446668	ENSG00000116133	DHCR24	0.819740928	3.01E-09
ENSG00000232044	LINC01105	0.95550036	0.001771992	ENSG00000134444	KIAA1468	0.819745536	9.07E-10
ENSG00000261319	RP11-279O17.1	0.955512102	0.000748005	ENSG00000174500	GCSAM	0.819821155	3.68E-11
ENSG00000229180	GS1-124K5.11	0.955605092	3.15E-05	ENSG00000175785	PRIMA1	0.82024594	1.55E-05
ENSG00000231883	RP1-297M16.2	0.95575295	0.005108478	ENSG00000198643	FAM3D	0.820268068	0.00020087

ENSG00000229533	AC003986.5	0.95581648	0.002644583	ENSG00000182795	C1orf116	0.820334896	7.63E-12
ENSG00000237468	RP11-715G15.1	0.956030932	0.000559852	ENSG00000109189	USP46	0.820846666	0.01240561
ENSG00000261275	RP11-760D2.11	0.95614785	0.00090492	ENSG00000163629	PTPN13	0.821422374	0.023194211
ENSG00000237119	LINC01056	0.956197545	0.000208632	ENSG00000116005	PCYOX1	0.822178018	0.041317617
ENSG00000224750	RP11-94M14.2	0.956205669	0.00830822	ENSG00000244734	HBB	0.822354819	5.79E-05
ENSG00000205885	C1RL-AS1	0.956312734	0.00115652	ENSG00000179477	ALOX12B	0.8224117	0.00046197
ENSG00000227375	DLG1-AS1	0.956367882	0.003914294	ENSG00000162738	VANGL2	0.822744852	5.03E-06
ENSG00000260262	RP11-440L14.3	0.956394519	0.000394805	ENSG00000102359	SRPX2	0.822890079	0.012070392
ENSG00000231674	LINC00410	0.956536513	0.043491004	ENSG00000143502	SUSD4	0.822897475	0.00026478
ENSG00000247735	CTD-2574D22.2	0.956581131	0.012539261	ENSG00000134215	VAV3	0.82410834	0.017307628
ENSG00000235026	DPP10-AS1	0.956620748	0.027432161	ENSG00000163687	DNASE1L3	0.824217486	0.021130051
ENSG00000265246	RP11-663N22.1	0.956621708	0.031103196	ENSG00000188042	ARL4C	0.824317957	3.51E-10
ENSG00000259985	RP11-549B18.1	0.956645041	0.003624941	ENSG00000167769	ACER1	0.8244441	2.51E-07
ENSG00000204250	LINC00587	0.956653302	0.002498815	ENSG00000136279	DBNL	0.824665279	4.21E-12
ENSG00000266171	RP11-769O8.1	0.956703076	0.004044699	ENSG00000180871	CXCR2	0.82501444	0.008670073
ENSG00000227468	AL928742.12	0.956763899	0.000243623	ENSG00000133048	CHI3L1	0.825909169	0.002997743
ENSG00000180139	ACTA2-AS1	0.956835183	0.008361053	ENSG00000118308	LRMP	0.825954673	0.00386085
ENSG00000268912	CTD-2619J13.17	0.956905791	0.007023678	ENSG00000119457	SLC46A2	0.826085256	1.87E-09
ENSG00000226754	RP5-1024G6.5	0.957091753	0.030043568	ENSG00000214860	EVPLL	0.826523609	1.75E-15
ENSG00000212766	LINC00277	0.957098755	0.001228712	ENSG00000100592	DAAM1	0.827287879	5.58E-10
ENSG00000224165	DNAJC27-AS1	0.957156452	0.007199334	ENSG00000198934	MAGEE1	0.827376648	5.41E-09
ENSG00000183242	WT1-AS	0.957202609	0.013617477	ENSG00000134755	DSC2	0.827478788	0.048259188
ENSG00000235154	CTA-280A3__B.2	0.957216692	0.001608784	ENSG00000165795	NDRG2	0.827801918	9.74E-05
ENSG00000267858	AC016629.8	0.957307305	0.016409767	ENSG00000079156	OSBPL6	0.82783849	6.11E-07
ENSG00000237037	NDUFA6-AS1	0.957315583	0.000559485	ENSG00000104447	TRPS1	0.827878343	0.013860383
ENSG00000233093	LINC00892	0.957334597	0.003321469	ENSG00000008311	AASS	0.828021547	8.50E-07
ENSG00000235710	RP5-1097F14.3	0.957390305	0.007354886	ENSG00000106733	NMRK1	0.828292498	0.004927485
ENSG00000255240	RP11-142C4.6	0.957468936	0.00152155	ENSG00000189369	GSPT2	0.82843472	0.000482741
ENSG00000234722	AC073236.3	0.957488192	0.004200272	ENSG00000096968	JAK2	0.828554504	3.64E-07
ENSG00000225733	FGD5-AS1	0.957535718	0.016782769	ENSG00000169991	IFFO2	0.828952182	6.38E-07
ENSG00000229565	AC108056.1	0.957576783	6.38E-05	ENSG00000141401	IMPA2	0.829088583	0.00468657
ENSG00000253408	RP11-231D20.2	0.957690271	0.017840279	ENSG00000150045	KLRF1	0.829109531	3.00E-06
ENSG00000253608	RP11-770E5.1	0.957710949	0.017799427	ENSG00000176845	METRNL	0.829319154	6.49E-09
ENSG00000260930	RP11-214L13.1	0.957712996	0.00518935	ENSG00000132388	UBE2G1	0.829387463	0.00027707
ENSG00000249532	MIR302B	0.957728523	0.000793789	ENSG00000103034	NDRG4	0.829419755	0.001048478
ENSG00000236262	SHANK2-AS2	0.957749275	0.00134964	ENSG00000180776	ZDHHC20	0.82975061	0.000281136
ENSG00000223907	RP11-439L8.4	0.957755426	0.00063785	ENSG00000129451	KLK10	0.830258825	0.020100404
ENSG00000235749	RP11-634B7.4	0.957931001	0.010998539	ENSG00000088726	TMEM40	0.830477374	0.002816376
ENSG00000255428	RP11-794P6.1	0.958000166	0.018157931	ENSG00000178172	SPINK6	0.830529656	0.000625537
ENSG00000233355	CHRM3-AS2	0.958099935	0.042524803	ENSG00000134107	BHLHE40	0.830612434	3.89E-08
ENSG00000235601	RP11-231K24.2	0.958109774	0.000577472	ENSG00000127688	GAN	0.83098646	2.07E-05
ENSG00000253563	NKX2-1-AS1	0.958145161	0.004737334	ENSG00000134996	OSTF1	0.83103646	0.002018797
ENSG00000262801	U91319.1	0.958238103	0.004458173	ENSG00000127252	HRASLS	0.83149286	0.000185168
ENSG00000225783	MIAT	0.958243136	0.006606816	ENSG00000165156	ZHX1	0.831743077	1.83E-07
ENSG00000227908	CTD-2031P19.3	0.958264365	0.007976535	ENSG00000090661	CERS4	0.831904118	7.57E-05
ENSG00000225285	RP4-758J18.10	0.958332506	0.014037239	ENSG00000198142	SOWAHC	0.831962025	9.13E-10
ENSG00000253311	AC011343.1	0.958347749	0.00116494	ENSG00000074410	CA12	0.832138609	0.005844681

ENSG00000236332	AP001605.4	0.958394951	0.005449266	ENSG00000132698	RAB25	0.832141503	1.55E-12
ENSG00000268108	CTB-60B18.12	0.958398449	0.001894712	ENSG00000178750	STX19	0.83219916	8.05E-09
ENSG00000249700	SRD5A3-AS1	0.958398464	0.006783743	ENSG00000006059	KRT33A	0.832251202	0.000201849
ENSG00000255322	RP11-22P4.1	0.958465961	0.012224081	ENSG00000177627	C12orf54	0.832363442	1.91E-09
ENSG00000228141	AC105339.1	0.958517197	0.029693691	ENSG00000102886	GDPD3	0.832693241	0.015121235
ENSG00000272940	CTA-384D8.33	0.958519613	0.001481998	ENSG00000087842	PIR	0.832823679	0.000556792
ENSG00000256862	RP11-664D1.1	0.958711932	0.029718189	ENSG00000058063	ATP11B	0.832826635	3.03E-09
ENSG00000261057	LINC00555	0.958740584	0.018906923	ENSG00000109062	SLC9A3R1	0.832920853	1.23E-13
ENSG00000261097	LINC00563	0.958743602	0.001931563	ENSG00000156413	FUT6	0.833551742	0.020715646
ENSG00000254139	CTD-2339F6.1	0.958760449	0.001248568	ENSG00000159263	SIM2	0.833644222	1.78E-08
ENSG00000260597	AC012531.25	0.958987969	0.029483186	ENSG00000021355	SERPINB1	0.833951889	1.15E-11
ENSG00000214146	RP11-699L21.1	0.958989445	0.008713476	ENSG00000108932	SLC16A6	0.834032594	0.007423379
ENSG00000235033	RP11-611I3.3	0.95901969	0.009733111	ENSG00000141337	ARSG	0.834141424	1.13E-06
ENSG00000225889	AC074289.1	0.959218869	0.003203279	ENSG00000115884	SDC1	0.834151119	7.36E-14
ENSG00000224812	TMEM72-AS1	0.959354171	0.00721317	ENSG00000138411	HECW2	0.8341788	1.20E-07
ENSG00000230612	AC004237.1	0.959387685	0.038213988	ENSG00000180438	TPRXL	0.83430692	8.62E-09
ENSG00000260457	RP11-723G8.1	0.959442933	0.007685363	ENSG00000198961	PJA2	0.834838432	2.15E-10
ENSG00000231983	LINC00415	0.959453575	0.002245929	ENSG00000152766	ANKRD22	0.835324638	5.88E-07
ENSG00000259831	LINC00567	0.959468693	0.003378258	ENSG00000167653	PSCA	0.835357681	0.020204489
ENSG00000196273	LINC00523	0.959565504	9.07E-05	ENSG00000213064	SFT2D2	0.83561333	6.65E-12
ENSG00000229951	AC104695.3	0.959567181	0.015003538	ENSG00000104881	PPP1R13L	0.835763495	0.009354498
ENSG00000267254	CTD-2162K18.5	0.959600405	0.035961066	ENSG00000154265	ABCA5	0.835846468	3.53E-05
ENSG00000249917	LINC00536	0.95960065	0.00201736	ENSG00000154655	L3MBTL4	0.836010819	1.46E-10
ENSG00000272874	RP5-1103G7.10	0.959606893	0.001960012	ENSG00000140279	DUOX2	0.836219023	0.013847342
ENSG00000225488	RP11-760D2.1	0.959697512	0.000469583	ENSG00000005469	CROT	0.836629105	1.58E-05
ENSG00000269834	CTD-3018O17.3	0.959704478	0.045688484	ENSG00000187720	THSD4	0.836707141	0.002542733
ENSG00000261856	CTD-2135D7.4	0.959782506	0.000183682	ENSG00000105835	NAMPT	0.836727271	1.79E-07
ENSG00000271743	CTD-2541M15.3	0.959818018	2.47E-06	ENSG00000118402	ELOVL4	0.836787125	0.010363505
ENSG00000260629	CTD-2643I7.1	0.959871825	0.006874046	ENSG00000124942	AHNAK	0.836911171	0.001750301
ENSG00000239653	PSMD6-AS2	0.959927044	0.034319505	ENSG00000111726	CMAS	0.837097024	0.010137633
ENSG00000254008	LINC00051	0.959983776	0.001895798	ENSG00000205221	VIT	0.83723388	4.61E-08
ENSG00000261749	RP11-152O14.1	0.959992894	0.008342222	ENSG00000108352	RAPGEFL1	0.837253487	0.018072506
ENSG00000188971	RP11-427H3.3	0.960025626	0.020894565	ENSG00000178075	GRAMD1C	0.837475179	2.29E-06
ENSG00000261030	RP11-791M20.1	0.960094716	0.002717891	ENSG00000102383	ZDHHC15	0.837533383	1.31E-06
ENSG00000180910	TTYT11	0.960101599	0.011711902	ENSG00000175287	PHYHD1	0.837851243	2.67E-08
ENSG00000237232	ZNF295-AS1	0.960134899	0.0264491	ENSG00000168140	VASN	0.838443545	1.16E-06
ENSG00000237928	RP4-668G5.1	0.960169087	0.011320617	ENSG00000128965	CHAC1	0.838545604	8.87E-07
ENSG00000126005	MMP24-AS1	0.960186633	0.045316359	ENSG00000168824	NSG1	0.839538154	0.001888089
ENSG00000267702	RP11-53B2.2	0.960222453	0.019517062	ENSG00000156671	SAMD8	0.84065101	3.58E-06
ENSG00000247317	RP11-273G15.2	0.960290584	0.018689436	ENSG00000140199	SLC12A6	0.840666568	0.000550317
ENSG00000226706	RP11-426A6.5	0.960302607	0.00860622	ENSG00000136874	STX17	0.840681963	2.04E-14
ENSG00000237048	TTYT12	0.960396964	0.00234756	ENSG00000006747	SCIN	0.841125905	9.12E-06
ENSG00000267808	AC018755.17	0.960402228	0.006136859	ENSG00000129455	KLK8	0.841178574	0.012031366
ENSG00000238273	AC012360.6	0.960447677	0.030169888	ENSG00000150593	PDCD4	0.84125166	0.00497245
ENSG00000233746	LINC00656	0.960464296	0.010205559	ENSG00000138642	HERC6	0.841299396	0.000373749
ENSG00000266947	RP11-799D4.4	0.960500266	0.002113503	ENSG00000143079	CTTNBP2NL	0.841392454	3.62E-11
ENSG00000225028	RP11-330M19.1	0.960533816	0.00208068	ENSG00000142627	EPHA2	0.841432941	9.59E-08

ENSG00000260065	CTA-445C9.15	0.960546366	0.041526864	ENSG00000134873	CLDN10	0.841615929	0.004431783
ENSG00000266053	RP11-143J12.2	0.96061764	0.048755105	ENSG00000175591	P2RY2	0.841757031	0.006375688
ENSG00000260857	RP11-80F22.15	0.960652602	0.037416012	ENSG00000103257	SLC7A5	0.841800525	5.25E-07
ENSG00000261971	RP11-473M20.7	0.960679976	4.12E-05	ENSG00000167207	NOD2	0.841816773	0.006424957
ENSG00000259540	RP11-526I2.1	0.960711606	0.034949695	ENSG00000162783	IER5	0.84199489	0.014569405
ENSG00000258573	RP11-14J7.6	0.960724304	0.006388964	ENSG00000188786	MTF1	0.842143766	3.75E-15
ENSG00000259476	RP11-50C13.2	0.960810051	0.00803324	ENSG00000144057	ST6GAL2	0.842204712	4.39E-07
ENSG00000261305	RP4-584D14.7	0.960848202	0.00026914	ENSG00000162069	CCDC64B	0.842221364	2.60E-09
ENSG00000241163	LINC00877	0.960848374	0.024788568	ENSG00000027075	PRKCH	0.842534023	0.004480497
ENSG00000233639	LINC01158	0.960913324	0.005451963	ENSG00000110429	FBXO3	0.842743125	0.012735891
ENSG00000228560	RP11-550P17.5	0.961011614	0.000737294	ENSG00000018189	RUFY3	0.842761653	7.59E-10
ENSG00000260416	RP5-963E22.5	0.961177651	0.000507847	ENSG00000107864	CPEB3	0.842772043	0.013574539
ENSG00000235453	TOPORS-AS1	0.961251407	0.008109147	ENSG00000141279	NPEPPS	0.842847688	0.001210865
ENSG00000258066	RP11-781A6.1	0.961333731	0.004027667	ENSG00000100842	EFS	0.842910889	0.000227491
ENSG00000261745	RP11-506E9.3	0.961406083	0.008231589	ENSG00000072210	ALDH3A2	0.842957699	0.001114613
ENSG00000259426	RP11-253M7.1	0.961449706	0.034984118	ENSG00000176986	SEC24C	0.843008455	1.41E-10
ENSG00000257259	RP11-767I20.1	0.961469528	0.019564302	ENSG00000187079	TEAD1	0.843166392	1.39E-10
ENSG00000250062	RP11-778J15.1	0.961481354	3.18E-05	ENSG00000172201	ID4	0.843174455	0.005333278
ENSG00000183822	CTA-833B7.2	0.961514373	0.026971276	ENSG00000168631	DPCR1	0.84364308	0.037426955
ENSG00000233153	UBE2E2-AS1	0.961544877	0.003322001	ENSG00000135476	ESPL1	0.843741307	0.020842327
ENSG00000267201	AC005624.2	0.961549352	0.023023109	ENSG00000029153	ARNTL2	0.843864924	0.045591668
ENSG00000228888	RP4-764O22.2	0.961576795	0.018160704	ENSG00000000003	TSPAN6	0.843867303	0.028758966
ENSG00000233077	RP11-290F20.2	0.961676528	0.010102022	ENSG00000164086	DUSP7	0.844199097	0.002945515
ENSG00000179141	MTUS2-AS1	0.961728192	0.006367392	ENSG00000198574	SH2D1B	0.844464924	9.27E-08
ENSG00000241211	IQCJ-SCHIP1-AS1	0.961793731	0.002528868	ENSG00000156463	SH3RF2	0.844481252	1.56E-09
ENSG00000226312	CFLAR-AS1	0.961797984	0.016727124	ENSG00000078747	ITCH	0.844727597	0.006527147
ENSG00000232655	CTA-397C4.2	0.961811483	0.025975553	ENSG00000111344	RASAL1	0.844949941	0.005475552
ENSG00000236901	MIR600HG	0.961850504	0.038529882	ENSG00000178573	MAF	0.845096548	0.000511794
ENSG00000243349	RP11-445N18.7	0.961852385	0.002750262	ENSG00000168268	NT5DC2	0.845097288	0.007051055
ENSG00000248576	RP11-834C11.8	0.961855829	0.00674828	ENSG00000103942	HOMER2	0.845099166	0.001302506
ENSG00000269376	RP11-120K24.5	0.961917445	0.004535148	ENSG00000161533	ACOX1	0.84554253	4.50E-09
ENSG00000186842	LINC00846	0.961919155	0.043366102	ENSG00000116191	RALGPS2	0.84582529	1.17E-07
ENSG00000266256	LINC00683	0.961971171	0.036964742	ENSG00000188643	S100A16	0.845881001	1.83E-13
ENSG00000249694	RP11-378A12.1	0.962014756	0.02408237	ENSG00000198060	5-Mar	0.846071472	0.001505448
ENSG00000242687	AC004893.11	0.962050824	0.01354598	ENSG00000155066	PROM2	0.846509831	8.00E-10
ENSG00000257784	RP11-630C16.1	0.96209545	0.026002633	ENSG00000106278	PTPRZ1	0.846588764	0.013476312
ENSG00000236720	RP11-63B19.1	0.962169351	0.008458266	ENSG00000129194	SOX15	0.846592452	0.0002987
ENSG00000273210	AP001437.1	0.962282242	0.036559928	ENSG00000163412	EIF4E3	0.846657776	1.42E-08
ENSG00000262031	RP11-63A1.2	0.962299914	0.005247954	ENSG00000078018	MAP2	0.846686109	2.34E-05
ENSG00000223477	LINC00842	0.962355799	0.003525187	ENSG00000175634	RPS6KB2	0.846790683	6.68E-06
ENSG00000231976	LINC00202-2	0.962411334	0.001311406	ENSG00000196542	SPTSSB	0.846854396	0.016504148
ENSG00000261087	KB-1460A1.5	0.962426248	0.013648665	ENSG00000156030	ELMSAN1	0.847155723	0.002129212
ENSG00000238265	LINC00317	0.962434145	0.005024884	ENSG00000092148	HECTD1	0.84717823	6.05E-09
ENSG00000260979	RP11-77H9.8	0.962446451	0.039907228	ENSG00000135821	GLUL	0.84750433	0.001134567
ENSG00000261044	AP006547.3	0.962518325	0.010698532	ENSG00000137449	CPEB2	0.848019649	1.77E-08
ENSG00000226764	AC010145.4	0.962532006	0.040015695	ENSG00000113161	HMGCR	0.848326485	2.35E-11
ENSG00000223850	MYCNUN	0.962557277	0.019191981	ENSG00000151632	AKR1C2	0.848360083	0.025895071

ENSG00000175164	ABO	0.962606945	0.004827322	ENSG00000166920	C15orf48	0.848452188	4.05E-06
ENSG00000214105	CTD-2116F7.1	0.96263403	0.007884262	ENSG00000166396	SERPINB7	0.848755711	0.000183373
ENSG00000267522	CTD-2621117.6	0.962643283	0.00425159	ENSG00000189221	MAOA	0.848887461	3.09E-05
ENSG00000256116	RP11-783K16.14	0.962678525	0.029225528	ENSG00000174132	FAM174A	0.848959405	3.94E-12
ENSG00000232520	AC012507.3	0.962797309	0.048613484	ENSG00000133678	TMEM254	0.849199874	0.00037453
ENSG00000266677	RP11-258F1.1	0.962820611	0.004764795	ENSG00000118515	SGK1	0.84940377	1.64E-07
ENSG00000255568	BRWD1-IT2	0.962849921	0.012164216	ENSG00000156284	CLDN8	0.850117728	0.002762982
ENSG00000234917	RP5-994D16.3	0.962850147	0.002066907	ENSG00000068078	FGFR3	0.850319086	0.003204204
ENSG00000265242	RP11-649A18.7	0.962868187	0.041328132	ENSG00000185100	ADSSL1	0.85064228	0.000100267
ENSG00000230091	TMEM254-AS1	0.962895736	0.007390959	ENSG00000122378	FAM213A	0.850757753	5.56E-06
ENSG00000223635	RP4-613A2.1	0.962934916	0.008279435	ENSG00000182809	CRIP2	0.850810085	0.006152567
ENSG00000259868	RP11-1012E15.1	0.962941214	0.012615418	ENSG00000177054	ZDHHC13	0.850846014	8.90E-09
ENSG00000189238	LINC00943	0.963028005	0.019220171	ENSG00000162852	CNST	0.850919707	3.49E-06
ENSG00000232837	AF064858.7	0.963041635	0.002458877	ENSG00000174738	NR1D2	0.851194661	8.43E-07
ENSG00000251175	RP11-45L9.1	0.963226333	0.049377242	ENSG00000168172	HOOK3	0.851709564	3.11E-08
ENSG00000231428	LINC00396	0.963268218	0.000917325	ENSG00000188641	DPYD	0.85188637	2.98E-13
ENSG00000251210	RP11-168E17.1	0.963319663	0.018503433	ENSG00000083817	ZNF416	0.852240568	1.25E-06
ENSG00000246214	RP11-260E18.1	0.96341309	0.007271694	ENSG00000124357	NAGK	0.852299561	0.000732486
ENSG00000236049	AC104777.2	0.963475628	0.008662135	ENSG00000157107	FCHO2	0.852330412	4.47E-08
ENSG00000251536	RP11-572C21.1	0.963477154	0.003612144	ENSG00000138135	CH25H	0.852380429	0.000786001
ENSG00000260937	RP11-548M13.1	0.963535035	0.005719097	ENSG00000184731	FAM110C	0.852423368	5.79E-06
ENSG00000267577	CTD-2587H24.5	0.963583299	0.008304144	ENSG00000179593	ALOX15B	0.852604268	0.010955255
ENSG00000230223	ATXN8OS	0.963688882	0.032866174	ENSG00000152661	GJA1	0.852623521	0.026069349
ENSG00000230910	RP3-525N10.2	0.963797849	0.006356903	ENSG00000168350	DEGS2	0.852672979	1.11E-09
ENSG00000206417	H1FX-AS1	0.963805165	0.000507755	ENSG00000157103	SLC6A1	0.852712154	0.010382542
ENSG00000223975	AP001048.4	0.963828098	0.025284593	ENSG00000102287	GABRE	0.852819995	0.004245618
ENSG00000229043	AC091729.9	0.963872853	0.00466511	ENSG00000166971	AKTIP	0.852923933	0.001482797
ENSG00000259697	RP11-299H22.1	0.96394579	0.010038679	ENSG00000188921	PTPLAD2	0.852949649	0.002664792
ENSG00000223764	RP11-54O7.3	0.963988958	0.006746677	ENSG00000267508	ZNF285	0.853140212	0.001229632
ENSG00000256494	RP5-944M2.1	0.964025411	0.04046851	ENSG00000175105	ZNF654	0.853146814	1.90E-08
ENSG00000260779	RP11-856M7.1	0.964111673	0.001287731	ENSG00000168209	DDIT4	0.85315957	2.50E-07
ENSG00000273013	CTD-2002J20.1	0.964112213	0.034886599	ENSG00000184363	PKP3	0.853193314	4.39E-08
ENSG00000239513	RP11-2A4.3	0.964113204	0.00595236	ENSG00000115008	IL1A	0.853336336	0.034996245
ENSG00000262133	RP11-676J12.6	0.964121586	0.017116518	ENSG00000185624	P4HB	0.853438285	9.65E-08
ENSG00000226944	RP1-120G22.11	0.964161182	0.025998945	ENSG00000198300	PEG3	0.853536896	0.000488986
ENSG00000233236	AP001171.1	0.964169228	0.008778743	ENSG00000213853	EMP2	0.853575739	0.003873582
ENSG00000273032	DGCR9	0.964172185	0.002999004	ENSG00000108091	CCDC6	0.853631915	0.003207052
ENSG00000255571	LINC00925	0.964175434	0.020833623	ENSG00000176055	MBLAC2	0.853783808	8.25E-08
ENSG00000230393	AC092667.2	0.964193203	0.006880284	ENSG00000087510	TFAP2C	0.853862023	0.001079387
ENSG00000261025	RP11-84D1.2	0.964236332	0.002924297	ENSG00000060140	STYK1	0.853898826	0.000199366
ENSG00000233061	TTL7-IT1	0.964330126	0.016025932	ENSG00000169252	ADRB2	0.853958821	0.000100336
ENSG00000224190	RP11-442O18.2	0.964453422	0.008317454	ENSG00000154856	APCDD1	0.853968514	0.000435141
ENSG00000260151	RP11-748L13.6	0.964456812	0.003065331	ENSG00000149809	TM7SF2	0.854032495	0.004256102
ENSG00000224100	AP001630.5	0.964557327	0.017121752	ENSG00000010278	CD9	0.854034467	0.005047959
ENSG00000205266	AL353997.3	0.96472776	0.02035349	ENSG00000155324	GRAMD3	0.854050189	4.38E-06
ENSG00000264515	CTC-525D6.1	0.964787912	0.035106128	ENSG00000114115	RBP1	0.854193623	0.015170395
ENSG00000259436	CTC-378H22.2	0.964815736	0.005447609	ENSG00000108179	PPIF	0.854361368	4.20E-06

ENSG00000231373	RP11-466A17.1	0.964835522	0.047869611	ENSG00000203995	ZYG11A	0.854575145	9.75E-06
ENSG00000237290	RP11-214L19.1	0.964911678	0.011045439	ENSG00000177427	MIEF2	0.854748169	6.80E-08
ENSG00000267454	ZNF582-AS1	0.964926502	0.00258668	ENSG00000143126	CELSR2	0.854854068	0.000986555
ENSG00000203999	RP11-290F20.1	0.964989874	0.008244475	ENSG00000078114	NEBL	0.854875509	0.015762266
ENSG00000250033	SLC7A11-AS1	0.965004202	0.016696626	ENSG00000148341	SH3GLB2	0.855172235	0.000662817
ENSG00000254275	RP11-89M16.1	0.965045428	0.000565565	ENSG00000113396	SLC27A6	0.855429045	0.047181673
ENSG00000243795	RP11-572M11.3	0.965124872	0.013674508	ENSG00000131126	TEX101	0.855807067	6.27E-08
ENSG00000271155	RP11-435O5.5	0.965147519	0.012188646	ENSG00000120471	TP53AIP1	0.855827142	0.002137196
ENSG00000261738	RP11-945C19.1	0.965154041	0.00818456	ENSG00000143520	FLG2	0.85619379	1.18E-05
ENSG00000243319	FGF14-IT1	0.965196144	0.003609467	ENSG00000164253	WDR41	0.856310027	1.37E-10
ENSG00000272223	RP1-20C7.6	0.965286822	0.049290303	ENSG00000082146	STRADB	0.856483095	1.23E-05
ENSG00000271046	RP11-138I18.2	0.965326208	0.031224773	ENSG00000132970	WASF3	0.856505653	0.004339543
ENSG00000228925	AC016722.4	0.965344808	0.02657964	ENSG00000145113	MUC4	0.85652322	0.025311527
ENSG00000248222	CTB-174D11.1	0.965380844	0.017061374	ENSG00000184828	ZBTB7C	0.856665706	0.003177123
ENSG00000272944	CTD-2308L22.1	0.965477144	0.011093544	ENSG00000141622	RNF165	0.8566786	6.81E-12
ENSG00000245598	DACT3-AS1	0.965481337	0.001469381	ENSG00000134955	SLC37A2	0.856745851	1.74E-09
ENSG00000230023	RP11-10N16.2	0.965516384	0.014592238	ENSG00000123700	KCNJ2	0.85688782	0.00373283
ENSG00000236230	RP11-400N13.1	0.96554498	0.003451117	ENSG00000135245	HILPDA	0.857040594	0.038822332
ENSG00000255020	AF131216.5	0.965720946	0.028107832	ENSG00000119862	LGALSL	0.857227524	7.71E-09
ENSG00000251011	RP11-402L6.1	0.965728071	0.046070525	ENSG00000163406	SLC15A2	0.857398521	9.28E-05
ENSG00000226249	RP11-307P5.2	0.965737925	0.015190147	ENSG00000185246	PRPF39	0.857411227	4.00E-06
ENSG00000231290	APCDD1L-AS1	0.965914313	0.000671084	ENSG00000183060	LYSMD4	0.857998405	1.04E-06
ENSG00000232998	VPS13A-AS1	0.965921359	0.025622368	ENSG00000146950	SHROOM2	0.858066952	0.002898291
ENSG00000241409	AC064852.4	0.965931234	0.006981563	ENSG00000183049	CAMK1D	0.858109403	9.24E-05
ENSG00000233316	DSCR10	0.965948521	0.011501558	ENSG00000167741	GGT6	0.85814726	0.003133575
ENSG00000267339	LINC00906	0.965962698	0.0016286	ENSG00000073921	PICALM	0.858265261	1.23E-09
ENSG00000273015	LINC00938	0.965970861	0.021661145	ENSG00000117595	IRF6	0.858316701	8.51E-12
ENSG00000226891	RP11-182I10.3	0.965974082	0.038852537	ENSG00000112309	B3GAT2	0.858398407	0.000294747
ENSG00000237149	ZNF503-AS2	0.966004755	0.019474598	ENSG00000085719	CPNE3	0.85876413	3.53E-09
ENSG00000232100	RP11-152L7.2	0.966007089	0.005496315	ENSG00000003402	CFLAR	0.859067159	1.69E-12
ENSG00000229720	RP3-495K2.2	0.966039203	0.003153274	ENSG00000070367	EXOC5	0.859213331	0.035471748
ENSG00000224863	RP5-1109J22.2	0.96609401	0.032601374	ENSG00000164342	TLR3	0.859284896	0.000514167
ENSG00000239205	RP11-747D18.1	0.966106897	0.0276882	ENSG00000139668	WDFY2	0.859685299	1.24E-13
ENSG00000230472	RP1-28O17.1	0.96616116	0.040152283	ENSG00000166046	TCP11L2	0.859711577	3.89E-08
ENSG00000189419	SPATA41	0.966267663	0.01117084	ENSG00000139289	PHLDA1	0.85991342	0.014746194
ENSG00000235304	RP11-265P11.2	0.96636096	0.002585861	ENSG00000159423	ALDH4A1	0.859971722	0.0010374
ENSG00000232537	RP11-385M4.1	0.966449065	0.02175325	ENSG00000117114	LPHN2	0.85997352	0.007873368
ENSG00000230319	AL022476.2	0.966466928	0.01437741	ENSG00000167644	C19orf33	0.860092239	2.76E-05
ENSG00000260193	RP11-83N9.5	0.966478013	0.002657049	ENSG00000112972	HMGCS1	0.860115252	0.012497971
ENSG00000250406	RP13-539F13.3	0.966525525	0.004905667	ENSG00000108590	MED31	0.860184046	7.21E-12
ENSG00000258701	LINC00638	0.966547822	0.014825349	ENSG00000105991	HOXA1	0.860199377	0.002668813
ENSG00000263624	RP11-45M22.3	0.96657287	0.00397352	ENSG00000197921	HES5	0.860365009	1.03E-09
ENSG00000245248	USP2-AS1	0.966725093	0.030356957	ENSG00000166681	NGFRAP1	0.860420253	3.87E-05
ENSG00000261627	RP11-91I8.1	0.966787124	0.015114394	ENSG00000172818	OVOL1	0.860616013	0.004400152
ENSG00000261013	CTD-2050B12.1	0.966806027	0.007064854	ENSG00000148672	GLUD1	0.860766534	3.73E-13
ENSG00000246863	RP11-325N19.3	0.966941932	0.041142264	ENSG00000172296	SPTLC3	0.860838915	1.09E-05
ENSG00000266709	RP11-214O1.2	0.967077088	0.00398276	ENSG00000137193	PIM1	0.860936166	0.008096411

ENSG00000261623	RP11-189E14.4	0.967114181	0.04661635	ENSG00000165794	SLC39A2	0.860979329	0.002829608
ENSG00000260377	RP11-646E18.4	0.967141695	0.001991526	ENSG00000139116	KIF21A	0.861130006	4.91E-06
ENSG00000264243	RP11-6N17.1	0.967235347	0.00909029	ENSG00000131015	ULBP2	0.861164784	0.011282205
ENSG00000235725	AC007389.3	0.967308004	0.04414924	ENSG00000196405	EVL	0.861198889	2.09E-07
ENSG00000266498	RP11-45M22.5	0.96739052	0.023726409	ENSG00000102349	KLF8	0.861228333	0.000547797
ENSG00000259914	RP11-298D21.2	0.967415514	0.008293825	ENSG00000100949	RABGGTA	0.861319261	0.008361642
ENSG00000231459	LINC00032	0.96746426	0.006241847	ENSG00000166532	RIMKLB	0.861445539	9.10E-05
ENSG00000234884	CTA-407F11.8	0.967507299	0.006598938	ENSG00000162616	DNAJB4	0.861500172	1.36E-06
ENSG00000226581	RP11-340I6.8	0.967532716	0.027215055	ENSG00000085433	WDR47	0.861628524	0.006392345
ENSG00000261462	CTA-254O6.1	0.967558715	0.001484325	ENSG00000112378	PERP	0.861972555	0.004844574
ENSG00000258399	MEG8	0.967598375	0.044243364	ENSG00000204977	TRIM13	0.862153924	4.98E-05
ENSG00000203643	AC012456.3	0.967653051	0.02327598	ENSG00000170871	KIAA0232	0.862218618	2.20E-07
ENSG00000180769	WDFY3-AS2	0.967682968	0.005939975	ENSG00000144036	EXOC6B	0.862238742	7.83E-15
ENSG00000232591	RP5-1031D4.2	0.967748758	0.018315087	ENSG00000139547	RDH16	0.862268424	8.77E-05
ENSG00000259462	RP11-752G15.3	0.967772095	0.00807117	ENSG00000070081	NUCB2	0.862281268	5.03E-07
ENSG00000255649	RP11-502N13.2	0.967799748	0.006193708	ENSG00000176194	CIDEA	0.862586959	0.014284682
ENSG00000233395	LINC00841	0.967832596	0.032700932	ENSG00000131037	EPS8L1	0.862604905	0.039238192
ENSG00000250250	CTD-2350J17.1	0.967861476	0.010376882	ENSG00000142733	MAP3K6	0.862619941	0.003269783
ENSG00000231638	AC011738.4	0.967945897	0.010241958	ENSG00000137752	CASP1	0.862755611	0.000377754
ENSG00000245768	RP11-410D17.2	0.968036842	0.003358827	ENSG00000136161	RCBTB2	0.862931162	0.003455817
ENSG00000251359	WWC2-AS2	0.968069315	0.043381325	ENSG00000188906	LRRK2	0.863245778	2.08E-06
ENSG00000254823	RP11-109E10.1	0.968106023	0.027746523	ENSG00000145916	RMND5B	0.863273635	0.000461285
ENSG00000261035	RP11-151E14.1	0.968308992	0.006110167	ENSG00000159166	LAD1	0.863380772	1.30E-09
ENSG00000229766	RP5-971N18.3	0.96831222	0.011879425	ENSG00000243317	C7orf73	0.863542543	2.72E-07
ENSG00000260761	RP11-184E9.2	0.968369118	0.004634966	ENSG00000161267	BDH1	0.863547223	0.007248365
ENSG00000261000	RP11-534L20.5	0.968415044	0.018888728	ENSG00000099797	TECR	0.863567	0.01479774
ENSG00000240549	THOC7-AS1	0.968415273	0.009233864	ENSG00000184564	SLITRK6	0.863608851	0.018064304
ENSG00000235455	IQCF5-AS1	0.968533765	0.033472981	ENSG00000089486	CDIP1	0.863950399	1.93E-06
ENSG00000259906	RP11-932O9.4	0.968545232	0.013601399	ENSG00000170899	GSTA4	0.864048898	0.009184604
ENSG00000272491	RP5-1024N4.4	0.96858287	0.02469837	ENSG00000140459	CYP11A1	0.864179566	0.00044046
ENSG00000237517	DGCR5	0.968654877	0.004075055	ENSG00000186889	TMEM17	0.864373593	0.000225487
ENSG00000235023	AP001626.2	0.968712394	0.012353427	ENSG00000165195	PIGA	0.864415384	1.25E-06
ENSG00000269984	RP11-362K14.5	0.968726636	0.000254219	ENSG00000099337	KCNK6	0.864445939	9.10E-09
ENSG00000256654	RP11-429A20.4	0.96878824	0.016094252	ENSG00000198130	HIBCH	0.864781679	6.27E-15
ENSG00000182586	LINC00334	0.968837674	0.002707291	ENSG00000181885	CLDN7	0.864796949	1.19E-05
ENSG00000257433	RP1-197B17.3	0.968850857	0.012526129	ENSG00000148429	USP6NL	0.864831398	0.028417317
ENSG00000250198	RP11-143A12.3	0.968856366	0.007421735	ENSG00000186522	10-Sep	0.865037511	0.034602278
ENSG00000258754	CTD-3049M7.1	0.968987353	0.007607542	ENSG00000124374	PAIP2B	0.865074033	0.000569324
ENSG00000206113	RP11-503N18.1	0.969030723	0.016046505	ENSG00000145687	SSBP2	0.865097813	0.006345235
ENSG00000262292	RP11-160E2.11	0.969045005	0.008384788	ENSG00000104892	KLC3	0.865278361	5.35E-10
ENSG00000235914	MACROD2-AS1	0.969071732	0.01156926	ENSG00000117475	BLZF1	0.865360021	5.25E-06
ENSG00000258376	RP4-647C14.2	0.969080407	0.049081042	ENSG00000196616	ADH1B	0.865412594	0.025486068
ENSG00000231421	AC006050.2	0.969114632	0.021402169	ENSG00000172867	KRT2	0.865635067	0.020190532
ENSG00000235070	AC068138.1	0.969131092	0.022968749	ENSG00000136167	LCP1	0.865696124	0.000485977
ENSG00000264589	MAPT-AS1	0.969141747	0.000957811	ENSG00000111961	SASH1	0.865823425	0.000160132
ENSG00000273451	RP4-569M23.4	0.969198811	0.030751851	ENSG00000164506	STXBP5	0.866176846	2.36E-05
ENSG00000263201	CTC-479C5.6	0.969223522	0.018096877	ENSG00000122085	MTERFD2	0.866228489	0.000934692

ENSG00000236467	RP11-443A13.5	0.969287779	0.022581855	ENSG00000104067	TJP1	0.866237345	0.000499805
ENSG00000259251	RP11-643M14.1	0.969378675	0.015418437	ENSG00000196409	ZNF658	0.866257223	0.000423295
ENSG00000244926	ALKBH3-AS1	0.969417763	0.007243162	ENSG00000118640	VAMP8	0.866275949	1.51E-11
ENSG00000262319	CTC-457L16.2	0.96943294	0.023309195	ENSG00000198848	CES1	0.866314308	0.002116336
ENSG00000255043	NAV2-AS5	0.969592922	0.031862695	ENSG00000173083	HPSE	0.866363556	9.50E-05
ENSG00000228422	LINC00687	0.969675591	0.025501859	ENSG00000136636	KCTD3	0.866629184	7.84E-05
ENSG00000197558	SSPO	0.969814611	0.024405151	ENSG00000146007	ZMAT2	0.866651482	8.52E-11
ENSG00000249833	RP11-71E19.5	0.969978586	0.00397822	ENSG00000198399	ITSN2	0.866740775	1.16E-09
ENSG00000236834	LINC00421	0.969988093	0.036121685	ENSG00000145287	PLAC8	0.866880758	0.004805556
ENSG00000246090	RP11-696N14.1	0.970074989	0.00010146	ENSG00000145545	SRD5A1	0.867043848	0.024734898
ENSG00000268095	CTC-429C10.2	0.970119033	0.012367776	ENSG00000198894	CIPC	0.867058853	1.04E-05
ENSG00000260202	RP3-333B15.4	0.97017401	0.01794549	ENSG00000198561	CTNND1	0.867176272	1.03E-16
ENSG00000254703	SENCR	0.970223529	0.037594847	ENSG00000109670	FBXW7	0.867270193	1.35E-13
ENSG00000250392	RP11-700N1.1	0.970246048	0.035405085	ENSG00000125772	GPCPD1	0.867293888	3.60E-06
ENSG00000241954	RP1-149A16.17	0.970278902	0.040125182	ENSG00000130779	CLIP1	0.867624235	0.011405198
ENSG00000249873	RP11-983C2.2	0.970365454	0.022222618	ENSG00000168811	IL12A	0.86766164	0.003918503
ENSG00000234452	RP11-168O10.6	0.97043257	0.013375983	ENSG00000102189	EEA1	0.868023622	5.45E-06
ENSG00000257056	RP11-966I7.2	0.970494584	0.039652806	ENSG00000164746	C7orf57	0.868046298	0.000114304
ENSG00000204625	HCG9	0.970558988	0.037126009	ENSG00000158623	COPG2	0.868104906	5.28E-06
ENSG00000214145	LINC00887	0.97056753	0.027475247	ENSG00000141429	GALNT1	0.868139246	5.73E-09
ENSG00000229727	AC013460.1	0.970630084	0.006250283	ENSG00000074211	PPP2R2C	0.86814749	3.64E-11
ENSG00000259284	RP11-162I7.1	0.970660023	0.02458635	ENSG00000095303	PTGS1	0.868289957	0.002474329
ENSG00000260417	CTD-2542L18.1	0.970813429	0.02346158	ENSG00000138593	SECISBP2L	0.868496494	2.09E-08
ENSG00000243224	RP5-1157M23.2	0.970875039	0.022809892	ENSG00000143819	EPHX1	0.86873326	0.003337628
ENSG00000203601	LINC00970	0.970898246	0.003460337	ENSG00000197124	ZNF682	0.868794036	3.47E-07
ENSG00000135253	KCP	0.970922379	0.015128719	ENSG00000094796	KRT31	0.868958374	0.015149042
ENSG00000236461	RP11-523L1.2	0.971065613	0.015472282	ENSG00000160703	NLRX1	0.868981357	0.000554146
ENSG00000256995	RP11-114G22.1	0.971092603	0.024760628	ENSG00000113580	NR3C1	0.869141944	2.88E-06
ENSG00000228536	RP11-392O17.1	0.971111997	0.047508637	ENSG00000175906	ARL4D	0.869349507	0.000218056
ENSG00000267872	RP11-157B13.7	0.971164637	0.015539822	ENSG00000106211	HSPB1	0.869368258	0.006703195
ENSG00000267466	RP11-13K12.5	0.971180082	0.025832076	ENSG00000156711	MAPK13	0.8695634	5.25E-12
ENSG00000241345	RP4-630C24.3	0.971198044	0.011258969	ENSG00000177791	MYOZ1	0.869587176	2.84E-06
ENSG00000180846	CSNK1G2-AS1	0.971244417	0.016224596	ENSG00000123178	SPRYD7	0.869711399	3.73E-07
ENSG00000230550	RP11-74C13.3	0.971315472	0.025129234	ENSG00000171124	FUT3	0.869734845	4.06E-06
ENSG00000262768	RP11-353N14.1	0.97134287	0.020306563	ENSG00000107566	ERLIN1	0.869742859	1.71E-09
ENSG00000186369	LINC00643	0.971389775	0.034045518	ENSG00000114450	GNB4	0.869748885	1.79E-08
ENSG00000243902	RP1-63G5.5	0.971440105	0.024772757	ENSG00000164142	FAM160A1	0.869771238	2.04E-12
ENSG00000272854	RP4-593H12.1	0.97153055	0.020768744	ENSG00000185008	ROBO2	0.86977126	3.24E-05
ENSG00000248265	RP11-834C11.3	0.971586233	0.007345183	ENSG00000121060	TRIM25	0.869827465	2.11E-08
ENSG00000267161	AC005943.5	0.971612746	0.035923557	ENSG00000170775	GPR37	0.869857308	0.049796597
ENSG00000235865	GSN-AS1	0.971618849	0.01727388	ENSG00000135842	FAM129A	0.869968552	0.000249652
ENSG00000230773	AC079807.4	0.97163036	0.04868871	ENSG00000101782	RIOK3	0.869971708	1.30E-07
ENSG00000231078	RP11-560A15.4	0.971654438	0.035114182	ENSG00000163249	CCNYL1	0.87003065	0.000159047
ENSG00000250632	RP3-513G18.2	0.971676892	0.041838999	ENSG00000038002	AGA	0.870062275	0.000491455
ENSG00000203808	BVES-AS1	0.971701819	0.041474981	ENSG00000104723	TUSC3	0.870142897	1.71E-05
ENSG00000233521	RP5-1172A22.1	0.97188518	0.036879163	ENSG00000069345	DNAJA2	0.870567678	0.00073513
ENSG00000259446	RP11-489D6.2	0.971889305	0.015599117	ENSG00000004059	ARF5	0.87061401	5.46E-09

ENSG00000260060	RP11-388M20.1	0.971914326	0.047591888	ENSG00000105929	ATP6V0A4	0.870682867	0.007105521
ENSG00000267174	CTC-510F12.4	0.971976607	0.009566411	ENSG00000105355	PLIN3	0.870758837	0.012930467
ENSG00000233246	RP11-415J8.5	0.972004877	0.03828112	ENSG00000075651	PLD1	0.870773082	0.001293397
ENSG00000229373	LINC00452	0.972006292	0.049574948	ENSG00000037749	MFAP3	0.870798693	1.48E-17
ENSG00000235407	RP11-470L19.2	0.97201495	0.018521767	ENSG00000143443	C1orf56	0.870931859	0.002206054
ENSG00000235314	LINC00957	0.97208485	0.006923902	ENSG00000171236	LRG1	0.871120411	0.000811546
ENSG00000248809	LINC01095	0.972181412	0.045854559	ENSG00000116514	RNF19B	0.871286376	3.33E-08
ENSG00000260093	RP11-1E4.1	0.97224924	0.04049359	ENSG00000105750	ZNF85	0.871302507	3.34E-07
ENSG00000245651	RP11-620J15.2	0.972252299	0.011641975	ENSG00000104756	KCTD9	0.871383844	4.43E-09
ENSG00000251616	RP11-485M7.3	0.972353379	0.041678814	ENSG00000100030	MAPK1	0.871803865	0.00015512
ENSG00000267529	RP11-53B2.1	0.972368489	0.010657428	ENSG00000176842	IRX5	0.87182139	0.016163961
ENSG00000235834	RP1-60N8.1	0.972442332	0.023171503	ENSG00000084733	RAB10	0.871835527	3.37E-13
ENSG00000264660	RP11-381P6.1	0.972447524	0.029345411	ENSG00000096696	DSP	0.87197547	4.07E-15
ENSG00000254584	RP1-17K7.2	0.972496541	0.009480156	ENSG00000129317	PUS7L	0.872100692	8.90E-07
ENSG00000261039	RP11-417E7.2	0.972559139	0.032306346	ENSG00000148926	ADM	0.872102674	6.50E-05
ENSG00000261024	GS1-279B7.1	0.97263902	0.019608368	ENSG00000111817	DSE	0.872228589	0.001696335
ENSG00000248724	NPHP3-AS1	0.972642509	0.015972928	ENSG00000108950	FAM20A	0.872229534	0.003072033
ENSG00000241684	ADAMTS9-AS2	0.9726946	0.046512962	ENSG00000154719	MRPL39	0.87237611	4.75E-05
ENSG00000260059	RP11-231E19.1	0.972718818	0.02038906	ENSG00000127129	EDN2	0.87239643	5.54E-07
ENSG00000273142	RP11-458F8.4	0.972728203	0.046662656	ENSG00000082269	FAM135A	0.872649826	2.08E-08
ENSG00000237250	RP11-193H5.1	0.972884937	0.011026555	ENSG00000139324	TMTC3	0.872754757	6.22E-06
ENSG00000259530	RP11-259A24.1	0.972969385	0.046178178	ENSG00000089902	RCOR1	0.873019498	8.88E-14
ENSG00000254654	AC068858.1	0.972974647	0.037351579	ENSG00000055147	FAM114A2	0.873150497	1.96E-08
ENSG00000237605	RP11-343H5.6	0.972993863	0.046623246	ENSG00000051596	THOC3	0.873209541	1.58E-07
ENSG00000213994	RP11-414H17.5	0.973001781	0.039005124	ENSG00000138109	CYP2C9	0.873243118	9.23E-06
ENSG00000232548	AC010744.1	0.973162804	0.017547545	ENSG00000172831	CES2	0.87324724	0.00016142
ENSG00000204706	MAMDC2-AS1	0.973240211	0.032722042	ENSG00000211448	DIO2	0.873328335	0.018754701
ENSG00000248572	EGFLAM-AS2	0.973301228	0.030928403	ENSG00000173210	ABLIM3	0.873331096	0.012730252
ENSG00000235488	JARID2-AS1	0.973330657	0.036913583	ENSG00000178919	FOXE1	0.873434451	0.017992198
ENSG00000259107	LINC00911	0.973350595	0.01531255	ENSG00000235109	ZSCAN31	0.873449691	0.000141832
ENSG00000213904	LIPE-AS1	0.973352636	0.023681292	ENSG00000130649	CYP2E1	0.873609259	0.015311818
ENSG00000235202	RP11-39H13.1	0.973415218	0.01078501	ENSG00000100417	PMM1	0.873655822	0.00257721
ENSG00000224995	RP5-991C6.3	0.973443598	0.046369752	ENSG00000173418	NAA20	0.873941317	2.09E-09
ENSG00000260777	CTD-2008P7.1	0.973571812	0.007733683	ENSG00000180190	TDRP	0.873941776	6.94E-09
ENSG00000253643	RP11-561E1.1	0.973588695	0.025046707	ENSG00000171119	NRTN	0.873973677	0.033282674
ENSG00000261003	RP1-140C12.2	0.973595932	0.019886115	ENSG00000130340	SNX9	0.87421868	4.00E-08
ENSG00000227244	LINC00845	0.973607436	0.009781902	ENSG00000121957	GPSM2	0.874297312	0.004089508
ENSG00000260896	RP11-314O13.1	0.973607719	0.008146624	ENSG00000153976	HS3ST3A1	0.874365228	0.003068687
ENSG00000233208	LINC00642	0.973618189	0.004473696	ENSG00000078902	TOLLIP	0.874457594	0.007839811
ENSG00000225626	C9orf135-AS1	0.973667319	0.016825788	ENSG00000171503	ETFDH	0.874509032	0.003091718
ENSG00000226759	DAB1-AS1	0.973808064	0.025453983	ENSG00000183762	KREMEN1	0.874662902	2.01E-15
ENSG00000262999	CTD-3088G3.6	0.973874857	0.005958781	ENSG00000111291	GPRC5D	0.87467399	7.41E-10
ENSG00000246394	RP11-386I8.6	0.973881529	0.012020282	ENSG00000125430	HS3ST3B1	0.874752788	2.41E-09
ENSG00000273311	DGCR11	0.973905834	0.020899611	ENSG00000065618	COL17A1	0.874796809	0.005991974
ENSG00000259905	PWRN1	0.973934886	0.001066734	ENSG00000204681	GABBR1	0.874862201	0.000102403
ENSG00000260619	RP11-775C24.3	0.973944855	0.022273115	ENSG00000011638	TMEM159	0.875084798	0.000393699
ENSG00000258499	RP11-862G15.2	0.974007216	0.047704176	ENSG00000186687	LYRM7	0.875155751	4.15E-07

ENSG00000257771	RP11-70F11.8	0.974034149	0.039217069	ENSG00000136536	7-Mar	0.875256283	0.044472288
ENSG00000260997	RP4-647J21.1	0.974062732	0.038848631	ENSG00000139291	TMEM19	0.875262683	5.37E-07
ENSG00000237579	RP11-324L3.1	0.97414781	0.043858879	ENSG00000184678	HIST2H2BE	0.875330706	0.002200074
ENSG00000232274	RP11-782C8.2	0.974419989	0.037639347	ENSG00000186187	ZNRF1	0.875479112	2.18E-08
ENSG00000239219	RP11-379K17.4	0.974509282	0.034469371	ENSG00000124587	PEX6	0.875683961	0.00342487
ENSG00000226440	RP11-506B6.6	0.974560959	0.018204836	ENSG00000006432	MAP3K9	0.875813394	0.020724993
ENSG00000233800	RP11-295G24.4	0.974649578	0.042827269	ENSG00000268838	AC027228.1	0.876108669	1.29E-09
ENSG00000228044	RP4-781K5.4	0.974680517	0.040693679	ENSG00000155744	FAM126B	0.876195009	3.18E-05
ENSG00000258586	RP5-1021I20.2	0.974697713	0.036607242	ENSG00000173338	KCNK7	0.876235983	0.012517403
ENSG00000234877	AC092660.1	0.974770413	0.038774401	ENSG00000090013	BLVRB	0.876267223	4.66E-08
ENSG00000239589	LINC00879	0.974829061	0.036745296	ENSG00000164930	FZD6	0.876278589	0.001338831
ENSG00000260475	RP11-85A1.3	0.975027763	0.046687935	ENSG00000198346	ZNF813	0.876372343	0.000406818
ENSG00000234736	FAM170B-AS1	0.975190641	0.027290119	ENSG00000187239	FNBP1	0.876414876	2.02E-05
ENSG00000228391	AC011995.3	0.975213997	0.014632983	ENSG00000075399	VPS9D1	0.876422567	1.76E-06
ENSG00000259281	CTD-2632K10.1	0.975344959	0.046989075	ENSG00000128016	ZFP36	0.876485184	5.64E-07
ENSG00000224405	LINC00572	0.975476577	0.00911522	ENSG00000115129	TP53I3	0.876683084	0.04420385
ENSG00000233360	Z83844.1	0.975485707	0.0351749	ENSG00000130766	SESN2	0.876823254	0.000175861
ENSG00000264098	CTD-2350C19.1	0.975550535	0.018437027	ENSG00000197601	FAR1	0.876865333	7.29E-07
ENSG00000228189	RP13-60M5.2	0.975552797	0.025756265	ENSG00000184574	LPAR5	0.876901676	2.28E-07
ENSG00000228215	RP11-541F9.2	0.975601474	0.027493389	ENSG00000173451	THAP2	0.877090177	2.93E-05
ENSG00000233968	RP11-354E11.2	0.975622564	0.0214329	ENSG00000146233	CYP39A1	0.877131423	0.000973997
ENSG00000243197	TUSC7	0.975936954	0.035500608	ENSG00000166145	SPINT1	0.877134796	2.72E-08
ENSG00000267244	CTB-31O20.4	0.976135126	0.047529925	ENSG00000173898	SPTBN2	0.877517664	0.003819097
ENSG00000223403	MEG9	0.976229798	0.034266893	ENSG00000205423	CNEP1R1	0.877583554	9.68E-13
ENSG00000225140	RP11-809C18.3	0.976339392	0.019242964	ENSG00000106605	BLVRA	0.87759117	0.000517659
ENSG00000254488	RP11-65G9.1	0.976362493	0.047080728	ENSG00000166847	DCTN5	0.877650629	1.92E-09
ENSG00000261316	CTC-400I9.1	0.97645887	0.017766166	ENSG00000100325	ASCC2	0.877731188	0.002781338
ENSG00000231204	AC011752.1	0.976511167	0.046513046	ENSG00000198121	LPAR1	0.877741668	2.68E-06
ENSG00000236463	LINC00427	0.976662793	0.044209572	ENSG00000172331	BPGM	0.877842363	0.015106388
ENSG00000240770	C21orf91-OT1	0.976983492	0.015399163	ENSG00000113430	IRX4	0.877944942	0.002493956
ENSG00000236333	TRHDE-AS1	0.977102264	0.02054967	ENSG00000177106	EPS8L2	0.877959719	0.042199209
ENSG00000254082	CTD-2024D23.1	0.977402232	0.045608535	ENSG00000134716	CYP2J2	0.877981675	0.000735098
ENSG00000248908	RP11-730N24.1	0.977755992	0.018069823	ENSG00000156110	ADK	0.878006893	0.000427119
ENSG00000224356	RP11-151A6.4	0.977779901	0.049732891	ENSG00000182040	USH1G	0.87804045	1.56E-12
ENSG00000237413	RP11-183M13.1	0.977880289	0.02233731	ENSG00000136826	KLF4	0.878086162	0.026238326
ENSG00000261055	RP11-195M16.3	0.977985766	0.031163012	ENSG00000117054	ACADM	0.878125094	0.035823939
ENSG00000235703	LINC00894	0.978213783	0.004957553	ENSG00000182195	LDOC1	0.878336771	0.001517488
ENSG00000261697	RP11-178L8.5	0.978457152	0.029918789	ENSG00000176092	AIM1L	0.87835587	0.006892321
ENSG00000162947	AC007364.1	0.979499969	0.037442158	ENSG00000049246	PER3	0.878380888	1.79E-10
ENSG00000224832	AP000469.2	0.979853793	0.02832065	ENSG00000197622	CDC42SE1	0.878490166	0.011312686
ENSG00000229081	LINC01165	0.980369346	0.037597397	ENSG00000148600	CDHR1	0.878518895	0.002821259
ENSG00000224376	AC017104.6	0.980444018	0.042444744	ENSG00000129993	CBFA2T3	0.878621942	3.79E-05
ENSG00000249307	LINC01088	0.980640578	0.023929376	ENSG00000083720	OXCT1	0.878628015	0.009890697
ENSG00000238033	AC002480.2	0.980727702	0.039231727	ENSG00000114480	GBE1	0.878634224	3.83E-09
ENSG00000225937	PCA3	0.981345701	0.039649527	ENSG00000197409	HIST1H3D	0.878681396	0.03732147
ENSG00000260832	CTD-3253I12.1	0.982275183	0.033147289	ENSG00000100596	SPTLC2	0.878881187	1.97E-08
ENSG00000268658	LINC00664	0.983301451	0.033528119	ENSG00000198513	ATL1	0.878902001	2.35E-06

ENSG00000224924	LINC00320	0.983531537	0.046018154	ENSG00000101152	DNAJC5	0.879098654	1.47E-11
ENSG00000233973	RP4-598G3.1	0.985422719	0.049108086	ENSG00000162923	WDR26	0.87915317	0.001623784
ENSG00000258169	LINC00485	1.020059646	0.048437884	ENSG00000151929	BAG3	0.8792411	0.001218126
ENSG00000224743	TEX26-AS1	1.020209512	0.044434413	ENSG00000153006	SREK1IP1	0.879304639	1.43E-08
ENSG00000260787	RP11-797A18.4	1.020734377	0.041509664	ENSG00000163545	NUAK2	0.879429582	0.048813344
ENSG00000260094	LINC00564	1.021930007	0.048171028	ENSG00000125875	TBC1D20	0.879773764	9.93E-14
ENSG00000239415	AP001469.9	1.02214533	0.012776632	ENSG00000158125	XDH	0.879813386	0.0013824
ENSG00000272855	RP5-1102E8.3	1.022775513	0.025993153	ENSG00000132002	DNAJB1	0.879814647	0.006226455
ENSG00000254102	RP11-21C4.1	1.022844373	0.020136227	ENSG00000167720	SRR	0.879835286	1.92E-11
ENSG00000223546	LINC00630	1.023604244	0.009359354	ENSG00000197563	PIGN	0.879837996	0.018892987
ENSG00000224308	RP1-13P20.6	1.024663168	0.039549902	ENSG00000119396	RAB14	0.879864994	1.18E-07
ENSG00000232825	RP5-896L10.1	1.02500183	0.02845292	ENSG00000121897	LIAS	0.879869857	0.002789645
ENSG00000227844	RP13-143G15.3	1.026093932	0.020804072	ENSG00000156011	PSD3	0.879943712	3.07E-05
ENSG00000271234	RP5-894D12.4	1.026117285	0.032902898	ENSG00000065613	SLK	0.879989521	1.64E-12
ENSG00000228397	RP1-224A6.3	1.02701367	0.013377829	ENSG00000183111	ARHGEF37	0.880011902	1.46E-08
ENSG00000215117	LINC00588	1.027172868	0.045376009	ENSG00000183421	RIPK4	0.880093586	0.04241277
ENSG00000235824	LINC00837	1.027549975	0.011619986	ENSG00000144048	DUSP11	0.880100342	5.60E-18
ENSG00000261728	RP11-307O13.1	1.027993696	0.013605776	ENSG00000159228	CBR1	0.880235442	0.000390608
ENSG00000230174	LINC01149	1.028041768	0.042548619	ENSG00000179979	CRIPAK	0.880275651	1.65E-07
ENSG00000273487	RP4-621B10.8	1.028290038	0.019730103	ENSG00000124107	SLPI	0.880380049	0.000840987
ENSG00000250802	ZBED3-AS1	1.028364678	0.002868137	ENSG00000158092	NCK1	0.880394819	0.033255542
ENSG00000225756	DBH-AS1	1.028557737	0.017633061	ENSG00000175449	RFESD	0.880424918	1.06E-09
ENSG00000205837	LINC00487	1.02871556	0.019610422	ENSG00000066322	ELOVL1	0.880434261	2.96E-11
ENSG00000235437	RP11-357C3.3	1.028724851	0.003709206	ENSG00000114770	ABCC5	0.880469206	2.41E-05
ENSG00000234173	RP11-257I14.1	1.028757931	0.021897004	ENSG00000114019	AMOTL2	0.880488637	0.004294687
ENSG00000237021	RP3-486I3.7	1.028824329	0.017076249	ENSG00000141985	SH3GL1	0.880526711	0.001577037
ENSG00000266456	RP11-806L2.2	1.028852776	0.041330467	ENSG00000149021	SCGB1A1	0.880585246	0.023037123
ENSG00000231889	TRAF3IP2-AS1	1.028957328	0.006414877	ENSG00000180383	DEFB124	0.880639202	4.21E-09
ENSG00000237949	LINC00844	1.028997491	0.041459254	ENSG00000223547	ZNF844	0.880643414	1.74E-07
ENSG00000235142	RP1-60O19.1	1.029223788	0.028053746	ENSG00000135148	TRAFD1	0.880718099	3.10E-11
ENSG00000260996	RP13-122B23.8	1.029303482	0.007218489	ENSG00000235978	AC018816.3	0.880763579	5.27E-09
ENSG00000225391	RP11-55K22.5	1.029436716	0.010009694	ENSG00000125733	TRIP10	0.880870458	0.002663862
ENSG00000227195	MIR663A	1.02964733	0.013449114	ENSG00000132471	WBP2	0.880930739	1.77E-05
ENSG00000267003	CTC-507E2.1	1.029813127	0.016945371	ENSG00000115963	RND3	0.880933147	0.006457111
ENSG00000261326	RP5-1057J7.6	1.030122562	0.039254583	ENSG00000104419	NDRG1	0.880993341	2.64E-07
ENSG00000253279	FAM183CP	1.030616509	0.014005039	ENSG00000166946	CCNDBP1	0.880999404	3.42E-07
ENSG00000233542	RP11-547D24.1	1.030911158	0.029927478	ENSG00000076513	ANKRD13A	0.881012307	4.13E-08
ENSG00000234715	CTB-107G13.1	1.031043113	0.015727739	ENSG00000013441	CLK1	0.881117884	1.31E-05
ENSG00000250280	RP11-305O6.3	1.031131421	0.026811562	ENSG00000160213	CSTB	0.881160145	0.013841388
ENSG00000267296	CEBPA-AS1	1.031276896	0.027583621	ENSG00000130363	RSPH3	0.881181991	6.44E-08
ENSG00000237187	NR2F1-AS1	1.031325572	0.019717357	ENSG00000124370	MCEE	0.881221699	2.55E-06
ENSG00000253614	RP11-513O17.3	1.031347888	0.012708199	ENSG00000081181	ARG2	0.881251889	0.000929203
ENSG00000272374	RP3-329A5.8	1.031474752	0.02431086	ENSG00000151690	MFSD6	0.881294591	0.035320259
ENSG00000261242	CTD-2302E22.4	1.031560111	0.021191253	ENSG00000006555	TTC22	0.88138993	0.012755103
ENSG00000267427	CTC-503J8.6	1.031801952	0.019335946	ENSG00000165548	TMEM63C	0.88139242	9.60E-06
ENSG00000224281	SLC25A5-AS1	1.032305856	0.039918506	ENSG00000158195	WASF2	0.881551775	0.000794513
ENSG00000261839	RP1-265C24.8	1.032695991	0.027520526	ENSG00000102970	CCL17	0.881773972	1.43E-08

ENSG00000257337	RP11-983P16.4	1.033208921	0.009894444	ENSG00000137710	RDX	0.881811161	1.97E-06
ENSG00000225361	PPP1R26-AS1	1.033230688	0.010230694	ENSG00000215301	DDX3X	0.88190476	5.10E-09
ENSG00000247092	SNHG10	1.03330424	0.005477972	ENSG00000180638	SLC47A2	0.881967469	6.74E-06
ENSG00000234327	AC012146.7	1.033315909	0.045704203	ENSG00000170379	FAM115C	0.881970558	5.56E-13
ENSG00000225794	AC073321.4	1.033407939	0.020985833	ENSG00000143409	FAM63A	0.882052309	0.000296404
ENSG00000231074	HCG18	1.034010434	0.009131203	ENSG00000062598	ELMO2	0.882181434	0.000301359
ENSG00000270096	RP11-362K14.6	1.034237536	0.00892093	ENSG00000164603	C7orf60	0.882433382	1.00E-05
ENSG00000183674	LINC00518	1.034473151	0.025335668	ENSG00000143995	MEIS1	0.882468439	0.040011272
ENSG00000254288	RP11-6I2.3	1.034524673	0.010814422	ENSG00000100321	SYNGR1	0.882492163	6.21E-05
ENSG00000268388	FENDRR	1.034657721	0.022591486	ENSG00000100284	TOM1	0.88257984	0.019000845
ENSG00000235927	NEXN-AS1	1.034826635	0.00475537	ENSG00000126368	NR1D1	0.882672221	5.62E-08
ENSG00000227518	MIR1302-9	1.034829474	0.024436536	ENSG00000070159	PTPN3	0.88270421	2.39E-07
ENSG00000260339	HEXA-AS1	1.035219844	0.036301028	ENSG00000170545	SMAGP	0.882875832	2.38E-07
ENSG00000261094	RP11-355O1.11	1.035438108	0.014765218	ENSG00000095383	TBC1D2	0.882882316	0.013192319
ENSG00000226747	AC007966.1	1.035778504	0.014852044	ENSG00000161203	AP2M1	0.882956613	2.24E-07
ENSG00000259915	RP11-410E4.1	1.035903316	0.020961576	ENSG00000114374	USP9Y	0.882966886	0.013642867
ENSG00000240350	AC017002.1	1.035963013	0.023825071	ENSG00000175866	BAIAP2	0.883150896	0.001100914
ENSG00000271590	RP11-181E10.3	1.036017263	0.001572604	ENSG00000204138	PHACTR4	0.883212692	0.027413079
ENSG00000261298	RP11-309M7.1	1.036133783	0.034720824	ENSG00000114573	ATP6V1A	0.883236248	2.84E-09
ENSG00000234705	HMGA1P4	1.036140748	0.005748031	ENSG00000007168	PAFAH1B1	0.883260197	1.46E-10
ENSG00000244567	AC096772.6	1.036214674	0.036649094	ENSG00000183323	CCDC125	0.883398407	1.77E-06
ENSG00000258867	LINC01146	1.036220324	0.012656733	ENSG00000047365	ARAP2	0.883404257	2.31E-08
ENSG00000188825	LINC00910	1.036363565	0.013901467	ENSG00000164117	FBXO8	0.88348458	1.53E-07
ENSG00000273363	RP11-285G1.14	1.036716125	0.02069087	ENSG00000134324	LPIN1	0.883636344	0.000396179
ENSG00000251323	RP11-452H21.4	1.036750866	0.027376812	ENSG00000150768	DLAT	0.883836245	1.47E-06
ENSG00000272990	RP11-305K5.1	1.036848245	0.012522794	ENSG00000079931	MOXD1	0.884140076	0.004312326
ENSG00000259326	RP11-102L12.2	1.036876861	0.001419496	ENSG00000172939	OXR1	0.884269399	7.26E-08
ENSG00000237686	RP5-1120P11.1	1.037088507	0.021877268	ENSG00000101928	MOSPD1	0.884298823	0.005163668
ENSG00000235954	TTC28-AS1	1.037396136	0.000284846	ENSG00000185272	RBM11	0.884363743	0.000261128
ENSG00000232160	RAP2C-AS1	1.037448443	0.020840856	ENSG00000131375	CAPN7	0.88465848	2.80E-07
ENSG00000259347	RP11-798K3.2	1.037729283	0.033452863	ENSG00000164743	C8orf48	0.884787557	6.84E-05
ENSG00000254980	RP11-794P6.6	1.037881185	0.038528419	ENSG00000163071	SPATA18	0.884952863	9.96E-07
ENSG00000163597	SNHG16	1.038012702	0.011589711	ENSG00000153885	KCTD15	0.885012613	0.000163999
ENSG00000265625	RP11-68I3.11	1.038324006	0.016721311	ENSG00000173715	C11orf80	0.885098234	0.000184709
ENSG00000248309	MEF2C-AS1	1.038515877	0.012259296	ENSG00000170473	WIBG	0.885124016	2.87E-11
ENSG00000251024	RP11-203B7.1	1.038645958	0.04176203	ENSG00000110693	SOX6	0.885126021	8.57E-07
ENSG00000233569	RP11-500B12.1	1.038787437	0.023140343	ENSG00000164830	OXR1	0.885167592	2.03E-06
ENSG00000198106	SNX29P2	1.038796025	0.008593496	ENSG00000122068	FYT1D1	0.88522351	2.00E-07
ENSG00000267222	RP11-194N12.2	1.03923715	0.038619712	ENSG00000162959	MEMO1	0.885285726	1.91E-09
ENSG00000266918	RP11-798G7.8	1.03931739	0.047515282	ENSG00000168795	ZBTB5	0.88533328	0.000445679
ENSG00000253352	TUG1	1.039320274	0.017806365	ENSG00000116044	NFE2L2	0.885335923	0.02811981
ENSG00000204685	STARD7-AS1	1.039793286	0.003757922	ENSG00000129255	MPDU1	0.885351646	0.000159169
ENSG00000177640	CASC2	1.039881667	0.000335055	ENSG00000254535	PABPC4L	0.88536457	5.85E-05
ENSG00000223823	RP11-465B22.5	1.039941371	0.045639292	ENSG00000136830	FAM129B	0.885460099	2.73E-15
ENSG00000265206	MIR142	1.040143739	0.030816187	ENSG00000036448	MYOM2	0.885494136	2.66E-05
ENSG00000215908	CROCCP2	1.040789456	0.00138797	ENSG00000189060	H1FO	0.885522949	0.000226484
ENSG00000172965	MIR4435-1HG	1.040843468	0.011024225	ENSG00000092621	PHGDH	0.88554402	0.023795199

ENSG00000188185	LINC00265	1.040942113	0.030738243	ENSG00000153391	INO80C	0.885904993	5.10E-07
ENSG00000204666	CTD-2126E3.1	1.041110364	0.018344474	ENSG00000100897	DCAF11	0.885966697	2.84E-11
ENSG00000251199	RP11-400D2.2	1.041355606	0.000912082	ENSG00000159256	MORC3	0.885967731	3.90E-06
ENSG00000232416	BPESC1	1.041372655	0.009238874	ENSG00000110080	ST3GAL4	0.885979223	0.002123223
ENSG00000261136	RP11-37C7.3	1.041628454	0.016917953	ENSG00000067836	ROGDI	0.886034359	0.001373491
ENSG00000261182	RP11-201A3.1	1.041730278	5.08E-05	ENSG00000177098	SCN4B	0.88607146	1.09E-05
ENSG00000246130	RP11-875O11.2	1.04195015	0.000773799	ENSG00000160593	AMICA1	0.886104409	7.32E-05
ENSG00000254528	RP11-728F11.4	1.04201462	0.033330546	ENSG00000232629	HLA-DQB2	0.886200935	0.013511469
ENSG00000229656	RP11-462L8.1	1.042951813	0.005178517	ENSG00000175322	ZNF519	0.886202942	0.000126062
ENSG00000227290	RP4-544H6.2	1.043224742	0.00489948	ENSG00000165841	CYP2C19	0.886258857	0.000425588
ENSG00000247828	TMEM161B-AS1	1.043342526	0.022054116	ENSG00000197312	DDI2	0.886267951	3.78E-10
ENSG00000272914	RP11-330O11.3	1.043372305	0.027957265	ENSG00000127666	TICAM1	0.886417738	0.013153506
ENSG00000259343	RP11-761I4.3	1.043399033	0.020254675	ENSG00000108061	SHOC2	0.886470147	1.02E-09
ENSG00000261780	CTD-2354A18.1	1.043961858	0.011522988	ENSG00000162981	FAM84A	0.886515407	0.000252756
ENSG00000255399	TBX5-AS1	1.044169974	0.001776769	ENSG00000172738	TMEM217	0.886702726	6.14E-07
ENSG00000261005	CTB-58E17.1	1.044277022	0.046845197	ENSG00000184012	TMPRSS2	0.886776412	3.65E-05
ENSG00000203897	SPATA42	1.044285859	0.002820537	ENSG00000176531	PHLDB3	0.886782434	1.20E-06
ENSG00000262652	RP13-638C3.2	1.04432281	0.004787423	ENSG00000043039	BARX2	0.886942254	0.000700573
ENSG00000231728	LLOXNC01-116E7.2	1.044455938	0.043198405	ENSG00000131737	KRT34	0.886961792	1.47E-08
ENSG00000261357	RP11-626G11.1	1.044565426	0.011368621	ENSG00000075336	TIMM21	0.887006993	5.03E-08
ENSG00000238005	RP11-443B7.1	1.044698367	0.006567068	ENSG00000161513	FDXR	0.887021666	8.45E-06
ENSG00000267374	LINC00669	1.044927492	0.007047972	ENSG00000163683	SMIM14	0.88703088	1.12E-06
ENSG00000177410	ZFAS1	1.045501042	0.019618171	ENSG00000110944	IL23A	0.887308382	0.001181542
ENSG00000231999	RP5-1007M22.2	1.045567211	0.023830346	ENSG00000213903	LTB4R	0.887315137	0.011028727
ENSG00000272767	JMJD1C-AS1	1.045737916	0.020113211	ENSG00000104413	ESRP1	0.887340941	8.42E-10
ENSG00000260583	LINC00515	1.045920777	0.031058379	ENSG00000137393	RNF144B	0.887386593	3.84E-06
ENSG00000255389	C6orf3	1.046045948	0.005961861	ENSG00000153140	CETN3	0.887548209	5.17E-08
ENSG00000260938	RP4-593C16.3	1.046142859	0.048493108	ENSG00000170522	ELOVL6	0.887559866	8.64E-05
ENSG00000232388	LINC00493	1.046150359	0.001520402	ENSG00000143149	ALDH9A1	0.887582927	0.00151686
ENSG00000260790	RP11-21M24.2	1.046405172	0.004108034	ENSG00000175348	TMEM9B	0.887638947	7.58E-10
ENSG00000228204	RP4-724E13.2	1.046546228	0.040216853	ENSG00000204618	RNF39	0.887762627	0.009230709
ENSG00000234028	AC062029.1	1.046745336	6.30E-05	ENSG00000177614	PGBD5	0.887786957	7.95E-05
ENSG00000261502	RP11-96H17.1	1.047437729	0.004134822	ENSG00000099204	ABLIM1	0.887811143	0.003567221
ENSG00000246582	RP11-1149O23.3	1.0486146	0.038594273	ENSG00000117602	RCAN3	0.887893592	8.89E-16
ENSG00000224138	AC000123.4	1.04871043	0.040874774	ENSG00000167693	NXN	0.887921876	0.035240956
ENSG00000267892	CTD-2540F13.2	1.048909969	0.004165671	ENSG00000203780	FANK1	0.887943394	0.000418016
ENSG00000231920	NEBL-AS1	1.048940943	0.033398623	ENSG00000177034	MTX3	0.888242429	0.000472695
ENSG00000230896	RP11-767N6.7	1.049039937	0.028629601	ENSG00000113575	PPP2CA	0.888276071	1.54E-10
ENSG00000269609	RP11-181I4.10	1.049078077	0.005256871	ENSG00000120915	EPHX2	0.888292985	0.008906579
ENSG00000272654	RP11-422P24.11	1.049394455	0.010902108	ENSG00000185022	MAFF	0.888360713	3.58E-09
ENSG00000270937	RP5-856G1.1	1.049440036	0.043842176	ENSG00000142494	SLC47A1	0.88842207	0.007945222
ENSG00000257084	U47924.27	1.049440744	0.01025179	ENSG00000151726	ACSL1	0.888439166	0.048044061
ENSG00000267838	AC008746.12	1.049506623	0.032292189	ENSG00000151247	EIF4E	0.888452719	1.41E-14
ENSG00000204584	RP11-304F15.3	1.04951856	0.030023442	ENSG00000171517	LPAR3	0.888480495	0.001517325
ENSG00000244184	RP11-314A20.2	1.049712049	0.001386465	ENSG00000172137	CALB2	0.888564244	0.009548776
ENSG00000261829	RP11-223I10.1	1.049742584	0.012172572	ENSG00000156515	HK1	0.888585876	0.000991144
ENSG00000244558	RP11-445H22.4	1.049846154	0.020669944	ENSG00000102312	PORCN	0.888608321	0.019315885

ENSG00000228265	RP5-1125A11.1	1.050133047	0.029317807	ENSG00000080371	RAB21	0.888651414	1.76E-10
ENSG00000230124	RP5-1180C10.2	1.050194678	0.021979808	ENSG00000152242	C18orf25	0.888828754	0.004286958
ENSG00000246263	KB-431C1.4	1.050774726	0.022983702	ENSG00000107130	NCS1	0.888835213	0.00109986
ENSG00000247595	SPTY2D1-AS1	1.050929224	0.006346412	ENSG00000051620	HEBP2	0.888882942	0.000274538
ENSG00000272405	RP11-284F21.10	1.050936657	0.0067212	ENSG00000104371	DKK4	0.88890382	0.003543406
ENSG00000273384	RP5-1098D14.1	1.051042973	0.001350689	ENSG00000082438	COBLL1	0.888968944	0.008995763
ENSG00000269202	RP4-614O4.12	1.051433996	0.009129717	ENSG00000123091	RNF11	0.888979559	0.019069985
ENSG00000259732	RP11-59H7.3	1.051515713	0.002795641	ENSG00000163218	PGLYRP4	0.888992178	0.026291428
ENSG00000236859	NIFK-AS1	1.051585734	0.035623294	ENSG00000137747	TMPRSS13	0.889007388	3.96E-08
ENSG00000260329	RP11-412D9.4	1.05161496	0.011326947	ENSG00000169855	ROBO1	0.889020587	0.001692646
ENSG00000257742	RP11-350F4.2	1.052062927	0.048740081	ENSG00000172175	MALT1	0.889113549	0.00836665
ENSG00000260855	RP11-439E19.10	1.05220781	0.000588845	ENSG00000064042	LIMCH1	0.889236477	0.004371998
ENSG00000237248	LINC00987	1.0525463	0.012180618	ENSG00000218416	AC110619.2	0.889275608	0.008538903
ENSG00000261220	RP11-629O1.2	1.052873528	0.0033536	ENSG00000026103	FAS	0.889285627	0.002102682
ENSG00000261088	RP11-61A14.3	1.052902052	0.004396974	ENSG00000137274	BPHL	0.889305919	0.00074106
ENSG00000224081	LINC01057	1.052939976	0.011037094	ENSG00000151694	ADAM17	0.889497873	1.10E-10
ENSG00000118412	CASP8AP2	1.053007823	0.01116183	ENSG00000185585	OLFML2A	0.88950365	9.03E-05
ENSG00000265678	RP11-1376P16.2	1.053045171	0.003318485	ENSG00000083799	CYLD	0.8895127	6.09E-08
ENSG00000259248	USP3-AS1	1.053575151	0.001973017	ENSG00000100319	ZMAT5	0.889573089	0.014738013
ENSG00000257718	RP11-396F22.1	1.053620579	0.001110103	ENSG00000139364	TMEM132B	0.889586069	2.29E-07
ENSG00000224930	LINC00162	1.053794125	0.046874593	ENSG00000148120	C9orf3	0.889613744	0.00159931
ENSG00000270143	AC004257.3	1.054163345	0.029233937	ENSG00000153130	SCOC	0.889739149	0.000413054
ENSG00000253187	HOXA10-AS	1.054198714	0.013342318	ENSG00000099246	RAB18	0.889864573	5.14E-13
ENSG00000253508	RP1-170O19.14	1.054488128	0.025500716	ENSG00000181788	SIAH2	0.889905804	0.001542311
ENSG00000215447	BX322557.10	1.054598768	0.00335988	ENSG00000089723	OTUB2	0.889906266	0.00981418
ENSG00000243479	MNX1-AS1	1.054822019	0.014936124	ENSG00000138463	DIRC2	0.890003948	3.13E-07
ENSG00000273018	CTD-2303H24.2	1.055116544	0.01061245	ENSG00000145779	TNFAIP8	0.89003955	6.25E-06
ENSG00000269293	ZSCAN16-AS1	1.0554232	1.64E-06	ENSG00000126705	AHDC1	0.890062923	8.80E-05
ENSG00000261051	RP11-274H2.5	1.05559084	0.034939184	ENSG00000106526	ACTR3C	0.890090448	7.89E-05
ENSG00000273162	RP11-108L7.15	1.055713447	0.035174347	ENSG00000173801	JUP	0.890117974	0.000533202
ENSG00000266289	RP11-1C8.6	1.055873421	0.007919801	ENSG00000136783	NIPSNAP3A	0.890137298	2.00E-06
ENSG00000233137	RP11-220I1.1	1.055966614	0.000900006	ENSG00000042493	CAPG	0.890228312	1.01E-05
ENSG00000229728	RP11-314N13.3	1.056403074	0.024419953	ENSG00000112902	SEMA5A	0.890296786	0.004289824
ENSG00000215424	MCM3AP-AS1	1.056832725	0.017460975	ENSG00000159871	LYPD5	0.89044802	3.19E-06
ENSG00000261731	CTD-2358C21.4	1.056858322	0.02976443	ENSG00000145246	ATP10D	0.890481215	0.010420245
ENSG00000257167	TMPO-AS1	1.056943031	0.015942566	ENSG00000182054	IDH2	0.890493076	4.17E-05
ENSG00000258897	EGLN3-AS1	1.057003109	0.025344167	ENSG00000104055	TGM5	0.890550487	0.003379386
ENSG00000260686	CTB-36H16.2	1.057156232	0.001204242	ENSG00000100387	RBX1	0.890586075	0.000673326
ENSG00000233392	AC104809.4	1.057267357	0.03082751	ENSG00000168010	ATG16L2	0.890743182	3.43E-06
ENSG00000142396	ERVK3-1	1.057543274	0.010977339	ENSG00000185614	FAM212A	0.890771952	1.87E-09
ENSG00000235072	AC012074.2	1.057649618	0.029217425	ENSG00000166589	CDH16	0.890805563	0.025219245
ENSG00000206573	SETD5-AS1	1.057778784	0.016849383	ENSG00000196700	ZNF512B	0.890843419	0.003692058
ENSG00000231721	LINC-PINT	1.057879991	9.72E-07	ENSG00000147576	ADHFE1	0.890993019	1.74E-08
ENSG00000272201	U47924.30	1.058382651	0.002216615	ENSG00000159516	SPRR2G	0.891125862	1.33E-06
ENSG00000234741	GAS5	1.058543961	0.007586773	ENSG00000187531	SIRT7	0.891130975	5.55E-11
ENSG00000260257	RP5-1085F17.3	1.058576123	0.000201536	ENSG00000123505	AMD1	0.891356835	3.38E-08
ENSG00000261589	CTC-462L7.1	1.058591789	8.45E-05	ENSG00000165527	ARF6	0.89143655	0.005578151

ENSG00000269189	RP11-573N10.1	1.058601271	0.002777955	ENSG00000135374	ELF5	0.891533252	1.57E-05
ENSG00000255418	RP11-266A24.1	1.058624373	0.00295239	ENSG00000211956	IGHV4-34	0.891638133	0.00654252
ENSG00000270147	RP11-646I6.6	1.058860239	0.004348119	ENSG00000143061	IGSF3	0.891646069	0.000262528
ENSG00000234899	SOX9-AS1	1.058868899	0.009589848	ENSG00000102891	MT4	0.891649675	0.001163492
ENSG00000259439	RP11-89K21.1	1.05893183	0.001663979	ENSG00000097033	SH3GLB1	0.891761976	2.12E-06
ENSG00000268006	PTOV1-AS1	1.058936415	0.029684937	ENSG00000165169	DYNLT3	0.891798368	2.11E-06
ENSG00000230461	PROX1-AS1	1.059120505	0.002096684	ENSG00000081760	AACS	0.891813628	0.0175817
ENSG00000269416	CTB-175P5.4	1.059184551	0.041383162	ENSG00000168216	LMBRD1	0.891836602	3.91E-07
ENSG00000261324	RP11-174G6.5	1.059282574	0.045749503	ENSG00000123353	ORMDL2	0.89191072	6.29E-10
ENSG00000231057	RP11-122M14.1	1.059313052	0.003284899	ENSG00000120784	ZFP30	0.891927763	2.16E-05
ENSG00000259577	RP11-430B1.2	1.059384157	0.007069105	ENSG00000014216	CAPN1	0.892053739	0.020564656
ENSG00000258730	ITPK1-AS1	1.059465707	0.001018495	ENSG00000166025	AMOTL1	0.892240796	2.39E-08
ENSG00000260742	RP11-366L5.1	1.059724627	0.000503255	ENSG00000168461	RAB31	0.892269391	0.000306416
ENSG00000245571	AP001258.4	1.059751686	0.006801191	ENSG00000072415	MPP5	0.892352853	2.78E-06
ENSG00000260948	RP11-552M11.8	1.06025548	0.003834307	ENSG00000178078	STAP2	0.89235735	0.000233378
ENSG00000245060	LINC00847	1.060283428	0.041530954	ENSG00000141098	GFOD2	0.892435069	0.001039683
ENSG00000177853	ZNF518A	1.060335861	0.023015542	ENSG00000136235	GPNUMB	0.892491493	0.007094444
ENSG00000226200	RP11-50E11.3	1.060444068	0.021638702	ENSG00000171462	DLK2	0.892721482	0.004587589
ENSG00000261098	RP11-819C21.1	1.060648452	0.02619513	ENSG00000166689	PLEKHA7	0.892746116	4.59E-05
ENSG00000270066	SCARNA2	1.060713354	0.033800941	ENSG00000160886	LY6K	0.892763805	0.01363486
ENSG00000214922	HLA-F-AS1	1.060721635	0.002878882	ENSG00000188910	GJB3	0.892842441	0.000917208
ENSG00000273237	CTB-119C2.1	1.060748155	8.73E-05	ENSG00000169032	MAP2K1	0.892900806	0.002265984
ENSG00000239911	PRKAG2-AS1	1.060780969	0.006471184	ENSG00000019549	SNAI2	0.892934917	0.043738586
ENSG00000223478	RP11-545E17.3	1.061720558	0.021799032	ENSG00000269879	AL353583.1	0.893022679	7.52E-07
ENSG00000260971	RP11-504A18.1	1.061980222	0.001199237	ENSG00000140396	NCOA2	0.893122826	8.20E-06
ENSG00000254389	RHPN1-AS1	1.06239947	0.000142111	ENSG00000166192	SENP8	0.893265053	1.01E-07
ENSG00000250337	LINC01021	1.062488376	0.000120217	ENSG00000125775	SDCBP2	0.893342922	5.98E-06
ENSG00000229637	PRAC2	1.062683652	0.001674477	ENSG00000162599	NFIA	0.893407279	3.87E-08
ENSG00000224418	STK24-AS1	1.063055293	0.020060597	ENSG00000169129	AFAP1L2	0.893448822	0.006063431
ENSG00000259863	SH3RF3-AS1	1.063110204	0.001330338	ENSG00000159348	CYB5R1	0.89347316	0.005644911
ENSG00000230679	ENO1-AS1	1.063219585	0.021443098	ENSG00000163995	ABLIM2	0.893485005	8.66E-07
ENSG00000231365	RP11-418J17.1	1.063382908	0.000663838	ENSG00000198668	CALM1	0.893503598	1.49E-13
ENSG00000261505	LA16c-358B7.3	1.064411898	0.005099557	ENSG00000158485	CD1B	0.893621035	4.43E-05
ENSG00000272994	RP11-332H14.2	1.064496624	0.019315577	ENSG00000246705	H2AFJ	0.893656704	2.52E-08
ENSG00000239482	RP11-90K6.1	1.064586342	0.001219858	ENSG00000221914	PPP2R2A	0.893734817	6.34E-06
ENSG00000232533	AC093673.5	1.064624794	7.84E-05	ENSG00000167114	SLC27A4	0.893872924	1.12E-08
ENSG00000256232	RP11-771K4.1	1.065137535	0.002292623	ENSG00000162873	KLHDC8A	0.894061224	0.010041445
ENSG00000260879	RP11-483I13.5	1.065250545	0.004128359	ENSG00000149196	C11orf73	0.894226542	0.004612458
ENSG00000225335	XXbac-B476C20.9	1.065263102	0.022486516	ENSG00000092931	MFSD11	0.894240485	1.06E-05
ENSG00000227719	AC006042.6	1.065350611	0.047469787	ENSG00000119139	TJP2	0.894326923	4.00E-07
ENSG00000273355	RP11-672L10.6	1.065601407	0.034862251	ENSG00000164855	TMEM184A	0.894392263	9.16E-08
ENSG00000226137	BAIAP2-AS1	1.066111825	4.00E-05	ENSG00000109466	KLHL2	0.894525987	4.18E-05
ENSG00000235652	RP11-545I5.3	1.066112966	0.026576616	ENSG00000181007	ZFP82	0.894542082	0.012126943
ENSG00000271755	RP1-153G14.4	1.066444015	0.047705184	ENSG00000140945	CDH13	0.894584108	0.014368815
ENSG00000227036	LINC00511	1.066662468	1.64E-05	ENSG00000154727	GABPA	0.894699572	2.99E-06
ENSG00000268001	CTC-241F20.3	1.066772701	0.049233009	ENSG00000132842	AP3B1	0.894722987	3.69E-10
ENSG00000223891	OSER1-AS1	1.066772842	0.033572783	ENSG00000196743	GM2A	0.894724168	0.004327236

ENSG00000263826	RP11-573D15.9	1.066879725	0.000662896	ENSG00000065833	ME1	0.894917397	0.020270949
ENSG00000273455	RP11-305O4.3	1.066918003	0.001070663	ENSG00000153113	CAST	0.895014935	0.004156178
ENSG00000253738	GS1-251I9.4	1.067389148	0.002091109	ENSG00000137100	DCTN3	0.895152869	0.000199173
ENSG00000248175	CTC-428G20.3	1.067742756	0.006825611	ENSG00000227124	ZNF717	0.895300753	7.97E-06
ENSG00000270091	RP11-78O7.2	1.067929628	0.002591837	ENSG00000001617	SEMA3F	0.895338931	0.012300115
ENSG00000223380	SEC22B	1.068115223	6.93E-05	ENSG00000152217	SETBP1	0.895344185	0.011581616
ENSG00000272953	RP11-1275H24.2	1.068432241	0.030373255	ENSG00000176769	TCERG1L	0.895466647	0.000125376
ENSG00000271824	AC009014.3	1.068563514	0.030469632	ENSG00000158290	CUL4B	0.895641783	0.028016506
ENSG00000256546	AC156455.1	1.068788735	7.55E-05	ENSG00000164871	SPAG11B	0.895710127	5.47E-07
ENSG00000272644	RP11-33O4.1	1.068958766	0.00637267	ENSG00000130939	UBE4B	0.895742514	0.001215625
ENSG00000267957	RP11-178G16.4	1.069020394	0.011447926	ENSG00000005001	PRSS22	0.895779007	3.75E-05
ENSG00000269936	MIR145	1.069249003	0.025199286	ENSG00000188536	HBA2	0.895873772	0.012064968
ENSG00000260822	GS1-358P8.4	1.069753212	0.001888873	ENSG00000101452	DHX35	0.895878878	4.22E-07
ENSG00000237310	GS1-124K5.4	1.06997037	0.000598256	ENSG00000188015	S100A3	0.89594767	0.00010478
ENSG00000261572	RP11-384L8.1	1.070347998	0.001053512	ENSG00000164924	YWHAZ	0.895978372	1.31E-11
ENSG00000233237	LINC00472	1.070475115	0.007588753	ENSG00000074416	MGLL	0.896005435	0.023748975
ENSG00000258056	RP11-644F5.11	1.070529844	0.000200466	ENSG00000100285	NEFH	0.896119592	4.03E-05
ENSG00000233098	RP11-344E13.3	1.07103239	0.018229262	ENSG00000181744	C3orf58	0.89621412	0.03128358
ENSG00000259940	CTD-3203P2.1	1.071661875	0.011590832	ENSG00000081913	PHLPP1	0.896349117	0.001517448
ENSG00000204054	LINC00963	1.071989429	0.000428048	ENSG00000175416	CLTB	0.896364432	0.00538646
ENSG00000264469	RP11-173M1.8	1.072020404	0.003938427	ENSG00000069535	MAOB	0.896454777	0.008430122
ENSG00000012171	SEMA3B	1.072239935	0.00170752	ENSG00000088387	DOCK9	0.896505792	0.000655017
ENSG00000239569	KMT2E-AS1	1.072381904	0.008342099	ENSG00000183876	ARSI	0.896538809	2.65E-05
ENSG00000264859	RP11-75N4.2	1.072457988	0.000574415	ENSG00000111786	SRSF9	0.896540798	4.14E-09
ENSG00000226852	RP1-212P9.2	1.072541015	0.01717677	ENSG00000148180	GSN	0.896553171	0.005274267
ENSG00000270344	RP11-734K2.4	1.072882421	0.012557887	ENSG00000176422	SPRYD4	0.896584453	6.60E-07
ENSG00000254635	WAC-AS1	1.073172876	0.004552082	ENSG00000164402	8-Sep	0.89664979	1.63E-11
ENSG00000270346	RP1-90J20.12	1.073470986	0.003957976	ENSG00000136754	ABI1	0.896723163	6.78E-08
ENSG00000233351	RP1-69D17.3	1.073728781	0.040189261	ENSG00000136021	SCYL2	0.896740438	0.03157706
ENSG00000272141	RP11-465B22.8	1.073747267	0.002175671	ENSG00000101384	JAG1	0.896986503	0.000162872
ENSG00000271151	RP11-394I13.2	1.073957432	0.023142641	ENSG00000075673	ATP12A	0.897051154	0.004362796
ENSG00000228315	GUSBP11	1.073997535	0.017613392	ENSG00000158477	CD1A	0.897054475	0.008010603
ENSG00000272341	RP1-151F17.2	1.074050608	0.03458919	ENSG00000160310	PRMT2	0.897060105	2.17E-09
ENSG00000249550	RP11-438N16.1	1.074407457	0.000153513	ENSG00000157837	SPPL3	0.897106091	2.69E-10
ENSG00000227053	RP11-395B7.4	1.075266721	0.0005097	ENSG00000172086	KRCC1	0.897122446	0.002633081
ENSG00000230325	RP11-385F5.4	1.07539386	0.001938238	ENSG00000100139	MICALL1	0.89718051	0.010380226
ENSG00000232995	RP11-267N12.3	1.0760911	0.001937381	ENSG00000121440	PDZRN3	0.89723457	5.24E-11
ENSG00000204282	TNRC6C-AS1	1.076219607	0.007056325	ENSG00000155755	TMEM237	0.897244721	0.002107314
ENSG00000186056	MATN1-AS1	1.076264877	0.00032478	ENSG00000074706	IPCEF1	0.897424752	0.001725194
ENSG00000259807	RP11-426C22.4	1.076520363	0.001083328	ENSG00000129473	BCL2L2	0.897443111	0.02047214
ENSG00000247400	DNAJC3-AS1	1.077228683	0.001897541	ENSG00000165912	PACSIN3	0.89750665	0.011971808
ENSG00000272361	GS1-166A23.2	1.077733746	0.001152788	ENSG00000109107	ALDOC	0.897551015	0.017826018
ENSG00000188070	C11orf95	1.077975528	3.24E-05	ENSG00000057657	PRDM1	0.897563428	0.008062713
ENSG00000253716	RP13-582O9.5	1.078100526	0.000307113	ENSG00000063660	GPC1	0.897573448	0.002824431
ENSG00000263753	LINC00667	1.078310493	0.000930189	ENSG00000100401	RANGAP1	0.897634699	1.72E-11
ENSG00000226752	PSMD5-AS1	1.078647157	0.000250106	ENSG00000104044	OCA2	0.897644186	0.003135426
ENSG00000259943	RP1-39G22.7	1.079165744	0.002087582	ENSG00000100577	GSTZ1	0.897722746	1.38E-05

ENSG00000272010	CTD-3025N20.3	1.079238741	0.013968384	ENSG00000072778	ACADVL	0.897778109	7.39E-08
ENSG00000260081	RP11-66N11.8	1.079834476	0.00070029	ENSG00000159346	ADIPOR1	0.89778492	0.001072394
ENSG00000237753	AC079922.3	1.079913252	7.42E-05	ENSG00000135272	MDFIC	0.897860672	0.023487332
ENSG00000203706	SERTAD4-AS1	1.079921644	0.004090624	ENSG00000145241	CENPC	0.897875198	3.24E-05
ENSG00000247796	CTD-2366F13.1	1.079974121	0.014281616	ENSG00000135870	RC3H1	0.897889372	1.19E-08
ENSG00000259758	CASC7	1.080517794	0.000962459	ENSG00000134243	SORT1	0.897891246	0.00175136
ENSG00000174365	SNHG11	1.081116496	2.90E-07	ENSG00000154025	SLC5A10	0.897954681	2.56E-08
ENSG00000262294	RP11-1260E13.2	1.08112931	0.002470012	ENSG00000152642	GPD1L	0.898021278	0.020229657
ENSG00000269821	KCNQ1OT1	1.081197614	0.000326935	ENSG00000112679	DUSP22	0.898055166	0.004285415
ENSG00000262580	RP11-334C17.5	1.081548794	0.028139225	ENSG00000073282	TP63	0.898057533	0.004359522
ENSG00000265399	RP13-270P17.2	1.081659425	0.000484051	ENSG00000069020	MAST4	0.898123656	0.005064479
ENSG00000214293	RBSN1L-AS1	1.082193976	0.000823563	ENSG00000186442	KRT3	0.89817874	0.00127414
ENSG00000260400	RP11-119F7.5	1.082312814	0.030456216	ENSG00000115159	GPD2	0.898294309	9.84E-08
ENSG00000236081	AC074389.9	1.082491409	0.009603388	ENSG00000148498	PARD3	0.898340501	0.000206591
ENSG00000235501	RP4-639F20.1	1.082663844	0.00174711	ENSG00000136943	CTSV	0.898476296	0.002042186
ENSG00000234062	RP11-308D16.4	1.083058008	0.000130221	ENSG00000081026	MAGI3	0.898492274	2.63E-09
ENSG00000226496	LINC00323	1.084146054	0.00054854	ENSG00000139437	TCHP	0.898542345	5.06E-08
ENSG00000270061	RP11-214K3.19	1.084488868	0.000267007	ENSG00000117394	SLC2A1	0.898592131	0.010834889
ENSG00000272155	RP11-707M3.3	1.084586188	0.003866063	ENSG00000138071	ACTR2	0.898659072	3.83E-09
ENSG00000255135	RP11-111M22.3	1.084806254	0.033966393	ENSG00000160285	LSS	0.898694814	0.001356146
ENSG00000243004	AC005062.2	1.084818892	0.000155468	ENSG00000237521	OR7E24	0.898716388	2.75E-06
ENSG00000268220	RP11-379K17.12	1.084953949	3.29E-05	ENSG00000166171	DPCD	0.898734418	5.64E-06
ENSG00000261754	CTC-523E23.1	1.085186299	0.01052284	ENSG00000103966	EHD4	0.898761817	2.85E-07
ENSG00000223768	LINC00205	1.085333092	0.009184892	ENSG00000178184	PARD6G	0.898783452	3.48E-11
ENSG00000272745	RP5-1007H16.1	1.085343348	0.0018872	ENSG00000160796	NBEAL2	0.898791071	1.75E-07
ENSG00000241295	ZBTB20-AS2	1.085404169	0.003295839	ENSG00000170525	PFKFB3	0.898836648	0.000111049
ENSG00000267123	CTD-2357A8.3	1.085750798	0.012053601	ENSG00000049283	EPN3	0.898851554	0.00029411
ENSG00000270179	RP11-159N11.4	1.086098747	0.033839725	ENSG00000240747	KRBOX1	0.898854122	1.15E-06
ENSG00000258297	RP11-658F2.8	1.086185533	0.000839938	ENSG00000145780	FEM1C	0.899034296	3.04E-06
ENSG00000260942	CAPN10-AS1	1.08676177	4.45E-05	ENSG00000115556	PLCD4	0.899041006	1.82E-08
ENSG00000034063	UHRF1	1.087033983	0.001648789	ENSG00000109775	UFSP2	0.899092064	1.57E-05
ENSG00000271327	RP11-1109F11.3	1.087315254	0.000786953	ENSG00000197343	ZNF655	0.899115929	0.000516913
ENSG00000245937	CTC-228N24.3	1.087330978	2.37E-06	ENSG00000125648	SLC25A23	0.899213166	6.00E-06
ENSG00000273474	RP11-295P9.12	1.087454981	0.002039354	ENSG00000186350	RXRA	0.899271058	0.010195879
ENSG00000259894	RP11-697E2.4	1.088193353	0.000247348	ENSG00000185591	SP1	0.899319863	0.001426478
ENSG00000259865	RP11-488L18.10	1.088266347	0.000549438	ENSG00000213585	VDAC1	0.899374686	1.24E-06
ENSG00000231312	AC007246.3	1.088876212	0.002766231	ENSG00000100852	ARHGAP5	0.899474553	8.21E-06
ENSG00000248275	TRIM52-AS1	1.089059115	1.70E-06	ENSG00000198001	IRAK4	0.899506706	3.16E-09
ENSG00000267745	RP11-686D22.8	1.089561898	0.001428889	ENSG00000136810	TXN	0.899577721	1.21E-05
ENSG00000259959	RP11-121C2.2	1.089656327	0.012617409	ENSG00000261115	TMEM178B	0.899652051	0.003081784
ENSG00000271259	RP11-1109F11.5	1.089788103	0.001257525	ENSG00000169612	FAM103A1	0.899654561	1.39E-07
ENSG00000223779	RP11-403I13.4	1.08999527	0.000501885	ENSG00000171444	MCC	0.899719303	0.00017151
ENSG00000272565	RP11-485G4.2	1.090011382	0.000909682	ENSG00000141034	GID4	0.89972339	0.005420729
ENSG00000225062	AC021016.6	1.090156954	1.29E-05	ENSG00000198805	PNP	0.899730129	2.98E-06
ENSG00000272711	RP11-259N19.1	1.09016686	9.35E-05	ENSG00000123595	RAB9A	0.899768105	0.013200559
ENSG00000262194	CTD-3195I5.5	1.090733136	0.002134348	ENSG00000077713	SLC25A43	0.899782728	0.000178405
ENSG00000273033	RP11-67L2.2	1.090885058	0.000974548	ENSG00000108759	KRT32	0.899801491	0.003968052

ENSG00000272086	CTD-2186M15.3	1.090946196	0.016548265	ENSG00000103381	CPPED1	0.899853245	0.034910065
ENSG00000234608	MAPKAPK5-AS1	1.091083365	0.013550741	ENSG00000114948	ADAM23	0.899867413	0.000689025
ENSG00000226419	SLC16A1-AS1	1.091249805	0.005284	ENSG00000132965	ALOX5AP	0.899888259	0.000660535
ENSG00000247572	CKMT2-AS1	1.091396907	0.000341019	ENSG00000071205	ARHGAP10	0.899904185	0.004494236
ENSG00000246067	RAB30-AS1	1.091870109	0.002045579	ENSG00000168476	REEP4	0.89996379	1.01E-08
ENSG00000247134	RP11-11N9.4	1.092118021	0.033590083	ENSG00000141627	DYM	0.899991826	0.000296463
ENSG00000263970	RP11-789C17.5	1.092128665	0.000203661	ENSG00000136002	ARHGEF4	0.900016347	0.000170183
ENSG00000272732	RP5-1159O4.2	1.092570724	0.003556587	ENSG00000153048	CARHSP1	0.900061751	0.014112733
ENSG00000227502	RP1-249H1.4	1.092908481	0.010047425	ENSG00000134504	KCTD1	0.900129885	1.23E-08
ENSG00000230068	CDC42-IT1	1.092990259	0.001289528	ENSG00000221843	C2orf16	0.900214217	8.79E-09
ENSG00000226091	LINC00937	1.093893481	0.029084792	ENSG00000198573	SPANXC	0.900295469	0.001426855
ENSG00000175701	LINC00116	1.094125043	0.00023286	ENSG00000105855	ITGB8	0.900342959	0.009613582
ENSG00000267280	RP11-332H18.4	1.094441184	0.001358	ENSG00000137880	GCHFR	0.900359488	0.000988455
ENSG00000272872	LL22NC03-N14H11.1	1.094551491	0.000477834	ENSG00000065559	MAP2K4	0.900369798	0.013024595
ENSG00000235989	MORC2-AS1	1.094722503	4.83E-05	ENSG00000140939	NOL3	0.900438304	0.000816046
ENSG00000251580	RP11-539L10.3	1.094764917	0.017405845	ENSG00000164707	SLC13A4	0.900454965	0.006528236
ENSG00000248161	RP11-499E18.1	1.095840217	0.00085284	ENSG00000161642	ZNF385A	0.900475143	6.69E-06
ENSG00000269640	CTD-2521M24.9	1.096092345	0.003577192	ENSG00000102007	PLP2	0.900489887	0.007443133
ENSG00000263335	AF001548.5	1.096615866	0.044710353	ENSG00000147509	RGS20	0.900502022	0.008675388
ENSG00000270426	RP11-326I11.5	1.097321671	0.001018119	ENSG00000167194	C16orf92	0.900506982	6.39E-09
ENSG00000273059	XXyac-YX155B6.7	1.097479045	0.001532557	ENSG00000172663	TMEM134	0.900508719	0.006351151
ENSG00000272760	RP11-5C23.1	1.097775528	0.001256216	ENSG00000172345	STARD5	0.900616796	0.010203673
ENSG00000273247	RP11-83A24.2	1.098261341	0.004381657	ENSG00000159314	ARHGAP27	0.900658896	1.64E-08
ENSG00000262001	DLGAP1-AS2	1.098335157	0.00027516	ENSG00000129474	AJUBA	0.900659238	0.00084313
ENSG00000260261	RP11-480A16.1	1.098550748	9.68E-05	ENSG00000113163	COL4A3BP	0.900694546	1.07E-08
ENSG00000261799	RP11-283I3.6	1.098612377	0.029127426	ENSG00000072364	AFF4	0.900724198	0.025695163
ENSG00000246695	RASSF8-AS1	1.099081014	0.008273813	ENSG00000129353	SLC44A2	0.900732524	4.79E-09
ENSG00000272593	RP11-339B21.11	1.099114037	0.000118109	ENSG00000168703	WFDC12	0.900737882	0.003526283
ENSG00000270170	NCBP2-AS2	1.099434892	3.91E-07	ENSG00000178726	THBD	0.900776879	0.041719767
ENSG00000267049	AC002398.13	1.099972901	0.022745877	ENSG00000170425	ADORA2B	0.900789262	0.033798398
ENSG00000260878	RP11-320H14.1	1.100082881	0.004957918	ENSG00000241685	ARPC1A	0.900843018	7.64E-06
ENSG00000204860	FAM201A	1.100476258	0.012192142	ENSG00000167460	TPM4	0.900903373	0.00411812
ENSG00000273066	RP11-216L13.19	1.100554625	0.000919159	ENSG00000115226	FNDC4	0.900992266	0.0098657
ENSG00000272576	RP11-365H22.2	1.100715456	0.002369026	ENSG00000198742	SMURF1	0.901004135	1.92E-08
ENSG00000272906	RP11-533E19.7	1.100793645	0.006331687	ENSG00000166855	CLPX	0.901010782	1.86E-06
ENSG00000223482	NUTM2A-AS1	1.100812819	3.97E-05	ENSG00000170606	HSPA4	0.901018121	2.44E-07
ENSG00000245910	SNHG6	1.101576267	6.70E-07	ENSG00000182400	TRAPPC6B	0.901098454	0.000234348
ENSG00000230606	AC159540.1	1.101618555	0.012739195	ENSG00000159461	AMFR	0.901180734	7.45E-05
ENSG00000253948	RP11-410L14.2	1.101960395	0.000468241	ENSG00000218357	LL22NC03-75H12.2	0.901221493	3.87E-10
ENSG00000233178	RP11-88I18.2	1.103452284	0.012854546	ENSG00000133477	FAM83F	0.901319988	0.000163716
ENSG00000251169	AC005355.2	1.103571071	0.000683884	ENSG00000113643	RARS	0.90132645	3.31E-06
ENSG00000272917	RP11-705C15.5	1.10380081	0.016286237	ENSG00000109270	LAMTOR3	0.901562864	4.24E-07
ENSG00000250899	RP11-253E3.3	1.103849879	0.039278975	ENSG00000141971	MVB12A	0.901766777	4.65E-05
ENSG00000246089	RP11-115C21.2	1.104313451	0.00962025	ENSG00000172432	GTPBP2	0.901771103	6.65E-09
ENSG00000260084	RP11-615I2.1	1.104340777	0.010576771	ENSG00000116991	SIPA1L2	0.901774956	0.001856119
ENSG00000272335	RP11-53O19.3	1.104377523	0.000342835	ENSG00000156298	TSPAN7	0.901787848	0.043059429
ENSG00000267034	RP11-384O8.1	1.104427669	0.035219062	ENSG00000076685	NT5C2	0.901834455	5.98E-05

ENSG00000229404	LINC00858	1.105254922	0.002005313	ENSG00000119950	MXI1	0.901842533	0.012757546
ENSG00000261713	SSTR5-AS1	1.105706523	0.022322453	ENSG00000103316	CRYM	0.901978031	0.000548889
ENSG00000270189	RP11-258C19.7	1.106158927	8.14E-05	ENSG00000169118	CSNK1G1	0.901990726	9.89E-12
ENSG00000229841	RP11-361K17.2	1.106314415	0.006099145	ENSG00000196605	ZNF846	0.902025772	8.46E-06
ENSG00000272796	RP1-74M1.3	1.106354739	0.010246269	ENSG00000082497	SERTAD4	0.902027527	0.009197546
ENSG00000261597	RP11-353B9.1	1.109132391	3.19E-05	ENSG00000054356	PTPRN	0.902048871	1.92E-07
ENSG00000236778	INTS6-AS1	1.110981276	0.008390067	ENSG00000134574	DDB2	0.902084985	8.80E-06
ENSG00000243008	RP11-556N21.1	1.111100116	0.029835333	ENSG00000197579	TOPORS	0.902182043	0.000895298
ENSG00000238142	RP11-108M9.4	1.111843612	3.94E-05	ENSG00000147383	NSDHL	0.902202526	0.032593268
ENSG00000272065	U91328.20	1.111871898	0.001071747	ENSG00000151474	FRMD4A	0.902210277	7.37E-08
ENSG00000230002	ALMS1-IT1	1.11189106	0.003056709	ENSG00000168243	GNG4	0.902215787	0.008809371
ENSG00000272909	CTD-2555O16.4	1.111941286	1.87E-05	ENSG00000181896	ZNF101	0.902221353	0.001844498
ENSG00000261654	RP11-96K19.4	1.111946949	0.000680165	ENSG00000113712	CSNK1A1	0.902245829	2.13E-11
ENSG00000239213	RP11-85F14.5	1.113772579	3.87E-06	ENSG00000111186	WNT5B	0.902246785	0.008711585
ENSG00000271614	LINC00936	1.113842867	8.56E-05	ENSG00000102554	KLF5	0.902256102	1.71E-06
ENSG00000243766	HOTTIP	1.114709205	0.003820274	ENSG00000162413	KLHL21	0.902345204	0.007256516
ENSG00000271133	CTA-293F17.1	1.114720515	3.52E-06	ENSG00000165300	SLITRK5	0.902556385	1.26E-05
ENSG00000271895	RP4-635E18.8	1.114865829	0.001851278	ENSG00000129657	SEC14L1	0.902590151	2.06E-07
ENSG00000196756	SNHG17	1.1162033	0.000427629	ENSG00000116260	QSOX1	0.902615948	0.000272067
ENSG00000261488	RP11-757F18.5	1.116337636	5.22E-05	ENSG00000170854	MINA	0.902721603	0.03140817
ENSG00000273131	RP6-42F4.1	1.116467897	0.010274813	ENSG00000189337	KAZN	0.902754579	0.001165395
ENSG00000270190	RP11-803D5.4	1.116729262	0.039654862	ENSG00000111652	COPS7A	0.902784164	3.80E-07
ENSG00000270949	RP11-288H12.4	1.116826332	0.001360141	ENSG00000075711	DLG1	0.902816693	0.034105674
ENSG00000224699	LAMTOR5-AS1	1.117112695	0.001107844	ENSG00000107362	ABHD17B	0.902838603	0.002989348
ENSG00000247982	LINC00926	1.117336465	9.81E-05	ENSG00000100503	NIN	0.902846725	2.97E-05
ENSG00000272221	XXbac-BPG181B23.7	1.118043035	0.000364717	ENSG00000145911	N4BP3	0.902849045	0.000142345
ENSG00000259673	IQCH-AS1	1.118075988	0.000688543	ENSG00000018408	WWTR1	0.90286323	0.02081552
ENSG00000272288	RP11-140K17.3	1.118648199	2.46E-05	ENSG00000119866	BCL11A	0.903005455	0.001571955
ENSG00000251136	RP11-37B2.1	1.118892332	2.79E-05	ENSG00000168481	LGI3	0.903010194	4.64E-11
ENSG00000186019	AC084219.4	1.119376764	0.025384923	ENSG00000159208	C1orf51	0.903062212	0.013164029
ENSG00000260391	RP11-71H17.7	1.119496601	0.013624348	ENSG00000125089	SH3TC1	0.903145016	7.96E-06
ENSG00000272599	RP11-152N13.16	1.119649698	0.007301683	ENSG00000179454	KLHL28	0.90319008	0.000265541
ENSG00000264247	LINC00909	1.11969186	0.000367167	ENSG00000186716	BCR	0.903307291	2.61E-07
ENSG00000237523	LINC00857	1.120192675	0.000118595	ENSG00000092445	TYRO3	0.903410847	0.001526219
ENSG00000214401	KANSL1-AS1	1.120990472	0.001304007	ENSG00000148110	HIATL1	0.903413478	6.97E-11
ENSG00000262772	RP11-353N14.2	1.121766283	0.015898083	ENSG00000052802	MSMO1	0.903419012	0.000101244
ENSG00000271204	RP11-138A9.1	1.121983231	0.00160764	ENSG00000175087	PDIK1L	0.903426717	4.69E-06
ENSG00000272219	CTB-181H17.1	1.122049782	0.007157165	ENSG00000131931	THAP1	0.903619674	0.004746783
ENSG00000260423	RP13-735L24.1	1.123518367	0.004794699	ENSG00000106351	AGFG2	0.903659439	0.001013653
ENSG00000231607	DLEU2	1.12352047	0.000553458	ENSG00000118564	FBXL5	0.90370962	4.65E-09
ENSG00000257702	LBX2-AS1	1.123643731	8.39E-07	ENSG00000158406	HIST1H4H	0.903726191	0.000838614
ENSG00000226645	AP006216.10	1.124464074	0.000213132	ENSG00000196189	SEMA4A	0.903784315	0.006931862
ENSG00000268713	CTC-444N24.8	1.124538908	6.20E-05	ENSG00000140332	TLE3	0.90394149	0.011695041
ENSG00000260160	CTC-471J1.2	1.125759593	0.006269048	ENSG00000153250	RBMS1	0.903949409	0.000328889
ENSG00000179523	EIF3J-AS1	1.126529522	0.000310888	ENSG00000130173	C19orf80	0.904031488	2.51E-07
ENSG00000227258	SMIM2-AS1	1.126751477	0.001360673	ENSG00000235098	ANKRD65	0.904048803	8.91E-11
ENSG00000261526	CTB-31O20.2	1.127185395	5.41E-06	ENSG00000174238	PITPNA	0.904062491	0.000489295

ENSG00000257698	RP11-620J15.3	1.129160799	0.000123694	ENSG00000085511	MAP3K4	0.90424587	2.10E-06
ENSG00000270173	RP11-382B18.4	1.129244041	0.001322597	ENSG00000204186	ZDBF2	0.904264551	0.00204364
ENSG00000272913	RP11-440D17.3	1.130255624	1.40E-07	ENSG00000188171	ZNF626	0.904267748	2.03E-12
ENSG00000261188	CTA-445C9.14	1.131240579	0.001534768	ENSG00000167699	GLOD4	0.904300709	1.91E-07
ENSG00000204815	TTC25	1.131461193	5.19E-06	ENSG00000185112	FAM43A	0.904374065	0.003633551
ENSG00000230844	ZNF674-AS1	1.131848518	4.58E-06	ENSG00000160439	RDH13	0.904578354	1.32E-05
ENSG00000263320	RP11-498D10.6	1.131944882	1.53E-05	ENSG00000258664	IFRG15	0.904599678	0.001346027
ENSG00000246526	RP11-539L10.2	1.132253703	3.24E-05	ENSG00000152672	CLEC4F	0.904639015	2.30E-07
ENSG00000257303	RP11-977G19.11	1.132669539	0.001855282	ENSG00000111707	SUDS3	0.904660533	3.81E-09
ENSG00000266469	CTB-131K11.1	1.133065486	0.001625897	ENSG00000012983	MAP4K5	0.904685702	0.042331974
ENSG00000260236	RP11-708J19.1	1.134049226	7.55E-06	ENSG00000111796	KLRB1	0.90469938	0.035526994
ENSG00000261468	RP11-1024P17.1	1.134129051	0.000591129	ENSG00000178585	CTNNBIP1	0.904780587	0.000165968
ENSG00000261541	RP11-626K17.3	1.134413371	0.001161798	ENSG00000134590	FAM127A	0.904787608	0.001904836
ENSG00000272256	RP11-489E7.4	1.135267964	0.004597048	ENSG00000171109	MFN1	0.904879366	2.36E-05
ENSG00000232694	XX-CR54.3	1.136033485	0.004677845	ENSG00000196083	IL1RAP	0.904883904	0.000189457
ENSG00000088970	PLK1S1	1.136263809	1.02E-05	ENSG00000169860	P2RY1	0.904891723	0.004022371
ENSG00000240990	HOXA11-AS	1.136770781	0.001684762	ENSG00000003989	SLC7A2	0.904990923	1.46E-08
ENSG00000272666	CTA-384D8.35	1.137436214	0.00250835	ENSG00000163162	RNF149	0.905165355	1.23E-05
ENSG00000223960	AC009948.5	1.139511401	0.001585496	ENSG00000088280	ASAP3	0.905178215	0.003000678
ENSG00000250742	RP11-834C11.4	1.13971973	0.005087242	ENSG00000166394	CYB5R2	0.905178329	0.000333282
ENSG00000215417	MIR17HG	1.14059581	0.00171094	ENSG00000164975	SNAPC3	0.905236986	1.53E-05
ENSG00000234155	RP11-30P6.6	1.14084407	0.002027634	ENSG00000221988	PPT2	0.905270464	5.46E-09
ENSG00000236709	DAPK1-IT1	1.141311219	0.002485025	ENSG00000168032	ENTPD3	0.905275036	0.034175787
ENSG00000245556	CTD-2037K23.2	1.142237516	1.15E-07	ENSG00000147465	STAR	0.905298027	0.000582408
ENSG00000261455	LINC01003	1.14311244	0.000282829	ENSG00000107854	TNKS2	0.905330407	1.45E-06
ENSG00000270081	RP5-935K16.1	1.143673909	1.44E-06	ENSG00000113282	CLINT1	0.905378748	1.38E-06
ENSG00000244649	CTD-2377D24.6	1.14432747	0.005580365	ENSG00000197329	PELI1	0.90543114	0.000179193
ENSG00000272807	RP11-260M2.1	1.144647642	0.000339541	ENSG00000070614	NDST1	0.90543843	0.001162345
ENSG00000261135	RP4-798A10.7	1.145309421	2.71E-05	ENSG00000182831	C16orf72	0.905481397	1.19E-06
ENSG00000215190	LINC00680	1.145763052	1.97E-05	ENSG00000075624	ACTB	0.905548227	4.77E-09
ENSG00000234290	AC116366.6	1.147071089	3.15E-05	ENSG00000187764	SEMA4D	0.905561384	5.04E-06
ENSG00000260118	RP6-201G10.2	1.147658729	3.64E-05	ENSG00000173156	RHOD	0.905715186	0.015108375
ENSG00000182648	LINC01006	1.149558628	3.41E-05	ENSG00000170677	SOCS6	0.905735632	0.002414973
ENSG00000271941	RP11-188P20.3	1.150635612	0.001633063	ENSG00000008282	SYPL1	0.905753095	0.013336128
ENSG00000236537	RP11-732M18.3	1.151189272	4.69E-05	ENSG00000178988	MRFAP1L1	0.905763932	7.75E-06
ENSG00000260317	RP11-48B3.4	1.151560467	0.000628405	ENSG00000181467	RAP2B	0.905810895	1.74E-06
ENSG00000226471	CTA-292E10.6	1.152860609	2.28E-05	ENSG00000184719	RNLS	0.905827802	5.60E-07
ENSG00000152268	SPON1	1.153317051	0.003063272	ENSG00000070731	ST6GALNAC2	0.905886926	0.002997413
ENSG00000273156	RP11-127B20.2	1.154105728	0.001280675	ENSG00000166578	IQCD	0.905949574	0.01039271
ENSG00000224822	THRB-IT1	1.154381719	0.0055972	ENSG00000108840	HDAC5	0.90595303	0.003703628
ENSG00000265666	CTD-2267D19.2	1.154834894	0.000133623	ENSG00000176087	SLC35A4	0.906142548	4.79E-09
ENSG00000231806	PCAT7	1.155210247	2.28E-05	ENSG00000173914	RBM4B	0.906146817	5.90E-07
ENSG00000225265	RP11-378J18.3	1.155610119	2.84E-05	ENSG00000155313	USP25	0.906177918	0.010912525
ENSG00000242207	HOXB-AS4	1.155996773	5.37E-05	ENSG00000111752	PHC1	0.906244315	0.001114036
ENSG00000273190	RP11-255C15.4	1.157099138	0.003380959	ENSG00000088538	DOCK3	0.90624592	0.043332861
ENSG00000231013	AC013275.2	1.157290314	0.005671994	ENSG00000119636	CCDC176	0.906246923	0.005155393
ENSG00000253522	MIR146A	1.15866387	0.000421389	ENSG00000106123	EPHB6	0.90634886	0.009646426

ENSG00000206337	HCP5	1.158949151	0.010264065	ENSG00000129235	TXNDC17	0.906484613	1.61E-09
ENSG00000260766	RP11-226L15.5	1.15996705	6.35E-08	ENSG00000089505	CMTM1	0.90656393	1.64E-06
ENSG00000272489	RP11-182L21.5	1.160222607	0.000622354	ENSG00000104332	SFRP1	0.906615835	0.006702146
ENSG00000260708	CTA-29F11.1	1.160365718	1.60E-05	ENSG00000186918	ZNF395	0.906621054	6.20E-07
ENSG00000254631	RP11-702H23.4	1.161084266	0.000174163	ENSG00000165698	C9orf9	0.906627041	0.000527792
ENSG00000269906	RP11-248J18.2	1.161906939	0.000594494	ENSG00000145990	GFOD1	0.906658847	0.009470978
ENSG00000260418	RP3-406A7.7	1.164201846	0.001039052	ENSG00000032444	PNPLA6	0.906684773	3.63E-05
ENSG00000188206	HNRNPU-AS1	1.165240862	0.000577288	ENSG00000118620	ZNF430	0.906756326	0.005982038
ENSG00000245149	RNF139-AS1	1.165246576	0.00844759	ENSG00000100554	ATP6V1D	0.906785518	0.000803978
ENSG00000267128	RNF157-AS1	1.165478443	0.010298084	ENSG00000184292	TACSTD2	0.9068081	1.33E-06
ENSG00000256234	RP11-283G6.4	1.167627122	0.037799695	ENSG00000134250	NOTCH2	0.906852304	0.000799315
ENSG00000272077	RP11-348P10.2	1.168055964	1.07E-07	ENSG00000105784	RUNDC3B	0.906911852	0.00980803
ENSG00000255153	TOLLIP-AS1	1.169455487	5.12E-05	ENSG00000006831	ADIPOR2	0.906930487	9.40E-06
ENSG00000204528	PSORS1C3	1.170621605	0.000392718	ENSG00000099219	ERMP1	0.90693128	0.014512061
ENSG00000260711	RP11-747H7.3	1.17159108	7.79E-05	ENSG00000115590	IL1R2	0.906981953	0.032781691
ENSG00000269911	FAM226B	1.172237777	0.007278419	ENSG00000174775	HRAS	0.90698873	0.011900494
ENSG00000225470	JPX	1.173106296	4.41E-05	ENSG00000168769	TET2	0.906998835	2.11E-07
ENSG00000237036	ZEB1-AS1	1.175122263	0.000122121	ENSG00000112419	PHACTR2	0.907039723	1.19E-05
ENSG00000254290	RP11-150O12.3	1.175445411	0.000340165	ENSG00000104497	SNX16	0.907097982	0.048612948
ENSG00000235106	LINC00094	1.176119074	4.23E-05	ENSG00000178974	FBXO34	0.907156164	0.010511507
ENSG00000254837	AP001372.2	1.17857991	0.000195461	ENSG00000109929	SC5D	0.907195199	0.044310486
ENSG00000238279	BX470102.3	1.178666056	0.001479115	ENSG00000188822	CNR2	0.907259094	2.10E-05
ENSG00000269983	RP11-497H16.9	1.179730942	4.36E-06	ENSG00000107738	C10orf54	0.907280041	3.64E-05
ENSG00000267519	MIR24-2	1.180458199	3.62E-07	ENSG00000119541	VPS4B	0.907310251	0.019997611
ENSG00000272763	RP11-357H14.17	1.180514818	1.60E-06	ENSG00000180592	SKIDA1	0.907338081	1.33E-08
ENSG00000167912	RP11-25K19.1	1.180580916	0.000291855	ENSG00000165996	PTPLA	0.90737002	0.002056431
ENSG00000235919	ASH1L-AS1	1.181403803	2.68E-09	ENSG00000249915	PDCD6	0.907456449	0.013662797
ENSG00000272301	RP11-111M22.4	1.181786128	1.14E-05	ENSG00000164841	TMEM74	0.907591568	8.43E-07
ENSG00000228106	RP11-452F19.3	1.183478774	9.76E-09	ENSG00000144566	RAB5A	0.90768646	1.75E-10
ENSG00000257660	RP11-579D7.4	1.184540474	3.77E-06	ENSG00000173198	CYSLTR1	0.907703392	0.028424904
ENSG00000236943	RP11-640M9.1	1.186985588	1.96E-06	ENSG00000149313	AASDHPPT	0.907800315	4.22E-07
ENSG00000228742	RP5-884M6.1	1.187978635	0.000698044	ENSG00000166401	SERPINB8	0.907904829	0.031358934
ENSG00000245970	KB-1208A12.3	1.189128494	1.66E-07	ENSG00000100739	BDKRB1	0.908034463	0.005064634
ENSG00000261254	RP4-714D9.5	1.189522229	0.000113828	ENSG00000141380	SS18	0.908142087	6.92E-05
ENSG00000230082	PRRT3-AS1	1.193319111	0.000107293	ENSG00000197774	EME2	0.908154372	2.17E-05
ENSG00000260704	LINC00543	1.193756793	7.35E-05	ENSG00000171812	COL8A2	0.908163255	3.11E-07
ENSG00000264207	RP11-196G18.23	1.193868175	3.81E-05	ENSG00000106780	MEGF9	0.908176548	0.004006433
ENSG00000262251	RP11-199F11.2	1.196368804	1.07E-07	ENSG00000143367	TUFT1	0.908208959	0.026734188
ENSG00000225791	TRAM2-AS1	1.196448211	1.50E-07	ENSG00000072401	UBE2D1	0.90823771	0.001704518
ENSG00000260941	LINC00622	1.200288809	0.002026431	ENSG00000163393	SLC22A15	0.908296846	0.004879891
ENSG00000260244	RP11-588K22.2	1.20253483	1.56E-05	ENSG00000013306	SLC25A39	0.908305311	1.53E-05
ENSG00000254231	CTD-2284J15.1	1.202771053	0.000327467	ENSG00000177731	FLII	0.90833537	0.002978403
ENSG00000260805	RP11-61J19.4	1.202937212	0.000204237	ENSG00000119402	FBXW2	0.908340914	7.15E-05
ENSG00000259953	RP11-4O1.2	1.204815382	2.04E-10	ENSG00000134294	SLC38A2	0.908364364	1.03E-07
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ENSG00000228037	RP3-395M20.9	1.207690385	7.67E-07	ENSG00000187860	CCDC157	0.908438006	2.19E-07
ENSG00000264575	LINC00526	1.207971201	5.25E-07	ENSG00000101935	AMMECR1	0.908451572	6.11E-07

ENSG00000234912	LINC00338	1.210231698	8.52E-08	ENSG00000108576	SLC6A4	0.908477653	0.005353604
ENSG00000254369	HOXA-AS3	1.211910249	3.04E-05	ENSG00000137203	TFAP2A	0.908484723	0.014465677
ENSG00000232874	RP11-135A1.2	1.214074159	1.90E-05	ENSG00000128923	FAM63B	0.908521724	7.10E-05
ENSG00000234494	AC003665.1	1.216237809	5.87E-05	ENSG00000163624	CDS1	0.908562052	2.55E-06
ENSG00000261061	RP11-303E16.2	1.219042851	4.10E-07	ENSG00000198157	HMGNS	0.908563091	0.000981047
ENSG00000231770	TMEM44-AS1	1.223744511	3.73E-08	ENSG00000179833	SERTAD2	0.908568933	0.028331455
ENSG00000182404	RP1-86D1.3	1.226063754	0.005372515	ENSG00000124343	XG	0.90862861	0.00065943
ENSG00000261519	Y_RNA	1.227036045	0.002599109	ENSG00000168610	STAT3	0.908760661	2.35E-05
ENSG00000259974	LINC00261	1.22774169	0.004981498	ENSG00000169018	FEM1B	0.908803163	0.028110275
ENSG00000273344	PAXIP1-AS1	1.229036846	2.29E-08	ENSG00000169908	TM4SF1	0.908829261	0.000358593
ENSG00000198468	FLVCR1-AS1	1.231841222	2.04E-06	ENSG00000120129	DUSP1	0.908891778	0.031640115
ENSG00000237436	RP11-312B8.1	1.231848409	7.63E-05	ENSG00000149499	EML3	0.908939744	0.022690759
ENSG00000237773	AC003075.4	1.232099741	2.76E-05	ENSG00000023191	RNH1	0.909019421	0.001536825
ENSG00000267321	RP11-1094M14.11	1.232611915	2.88E-08	ENSG00000130396	MLLT4	0.909125722	0.00170936
ENSG00000260912	RP11-363E7.4	1.233970589	0.001030622	ENSG00000105993	DNAJB6	0.909126463	0.011038263
ENSG00000241224	RP11-59E19.1	1.236026028	0.018661929	ENSG00000011454	RABGAP1	0.909156421	2.39E-06
ENSG00000260552	RP11-49I11.1	1.238680516	0.000275096	ENSG00000062282	DGAT2	0.909315642	0.000841781
ENSG00000242094	FOXP1-IT1	1.239582467	3.15E-06	ENSG00000112039	FANCE	0.909370134	0.008747223
ENSG00000235280	MCF2L-AS1	1.247090575	4.36E-07	ENSG00000167565	SERTAD3	0.909384963	0.000196755
ENSG00000204261	TAPSAR1	1.247737963	7.93E-06	ENSG00000115840	SLC25A12	0.909529628	5.69E-05
ENSG00000234171	RNASEH1-AS1	1.251031234	7.32E-11	ENSG00000085871	MGST2	0.909597781	9.02E-08
ENSG00000272755	RP11-326G21.1	1.253346786	2.47E-06	ENSG00000143514	TP53BP2	0.909638217	2.61E-05
ENSG00000258768	CTD-2292M16.8	1.254759798	5.71E-06	ENSG00000197782	ZNF780A	0.909666368	3.96E-05
ENSG00000228709	AP001065.15	1.26320361	0.000957975	ENSG00000135838	NPL	0.909704289	0.001915578
ENSG00000242861	RP11-285F7.2	1.273123372	1.51E-11	ENSG00000048544	MRPS10	0.909774757	3.29E-05
ENSG00000177337	DLGAP1-AS1	1.27540904	1.06E-09	ENSG00000150995	ITPR1	0.909820624	0.000230646
ENSG00000272606	RP11-554J4.1	1.276030572	4.57E-09	ENSG00000119411	BSPRY	0.909878856	0.045029085
ENSG00000273038	RP11-479G22.8	1.281425151	3.40E-10	ENSG00000096060	FKBP5	0.909887606	0.001597186
ENSG00000273373	RP5-1074L1.4	1.29826965	1.49E-08	ENSG00000214357	NEURL1B	0.909944827	0.001111477
ENSG00000272677	RP11-127B20.3	1.301279091	7.14E-07	ENSG00000171566	PLRG1	0.91001563	1.15E-06
ENSG00000225484	RP11-773D16.1	1.305901251	2.77E-05	ENSG00000131475	VPS25	0.910038549	7.04E-08
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ENSG00000270605	RP5-1092A3.4	1.316383582	0.000194432	ENSG00000007237	GAS7	0.91010618	0.000387301
ENSG00000273264	RP11-131L23.2	1.328141889	1.38E-06	ENSG00000149115	TNKS1BP1	0.910111436	9.31E-06
ENSG00000261690	AC009133.12	1.330673687	1.29E-05	ENSG00000196331	HIST1H2BO	0.910197068	0.016479847
ENSG00000153363	LINC00467	1.336711705	1.34E-08	ENSG00000132912	DCTN4	0.91021188	0.005338368
ENSG00000234771	RP11-395P17.3	1.344753099	3.67E-10	ENSG00000211584	SLC48A1	0.910213526	0.000683155
ENSG00000228630	HOTAIR	1.345488008	0.000381876	ENSG00000138801	PAPSS1	0.910218039	5.70E-05
ENSG00000110347	MMP12	1.347847225	0.009025728	ENSG00000108669	CYTH1	0.910227608	9.07E-09
ENSG00000248092	NNT-AS1	1.358496877	4.36E-07	ENSG00000112531	QKI	0.910231894	1.15E-07
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ENSG00000259976	RP11-553L6.5	1.370914082	2.00E-10	ENSG00000164904	ALDH7A1	0.910297492	0.001574057
ENSG00000254154	RP4-798P15.3	1.380607781	1.18E-11	ENSG00000188227	ZNF793	0.910341944	0.000155071
ENSG00000227388	RP11-112J3.16	1.396327583	2.16E-08	ENSG00000052344	PRSS8	0.91034832	0.005460034
ENSG00000244306	CTD-2314B22.3	1.428186192	0.000179368	ENSG00000137509	PRCP	0.910353626	2.09E-06
ENSG00000234753	RP11-328M4.2	1.446771922	2.91E-07	ENSG00000172840	PDP2	0.910419418	0.010176341
ENSG00000254560	RP11-1L12.3	1.478392761	2.26E-10	ENSG00000075790	BCAP29	0.910524093	5.49E-06

ENSG00000167117	LINC00483	1.515259858	7.65E-06	ENSG00000133835	HSD17B4	0.91059488	8.14E-09
ENSG00000260196	RP1-239B22.5	1.554195977	2.73E-10	ENSG00000187189	TSPYL4	0.910610054	0.039393144
ENSG00000266010	GATA6-AS1	1.6030194	1.63E-05	ENSG00000178734	C13orf45	0.910631673	0.000188009
ENSG00000272510	RP4-680D5.8	1.621535627	2.74E-06	ENSG00000170445	HARS	0.910666047	4.32E-08
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				ENSG00000083223	ZCCHC6	0.910773082	2.70E-08
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				ENSG00000060688	SNRNP40	0.910825181	4.96E-05
				ENSG00000176358	TAC4	0.910910045	0.00019128
				ENSG00000140740	UQCRC2	0.910996781	2.52E-07
				ENSG00000164654	MIOS	0.91102182	5.95E-07
				ENSG00000112062	MAPK14	0.911047	0.000318614
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				ENSG00000177981	ASB8	0.911217762	9.36E-07
				ENSG00000141258	SGSM2	0.911331566	4.91E-07
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				ENSG00000150787	PTS	0.911627845	2.58E-06
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				ENSG00000179094	PER1	0.912549784	2.82E-07
				ENSG00000108828	VAT1	0.912560533	0.003802775

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ENSG00000011114	BTBD7	0.913171729	1.69E-09
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ENSG00000197321	SVIL	0.918288828	4.80E-08
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ENSG00000173548	SNX33	0.918321882	1.37E-07
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ENSG00000100938	GMPR2	0.918452382	0.000287939
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ENSG00000177673	C2orf57	0.918638286	2.16E-06
ENSG00000197753	LHFPL5	0.918652319	2.67E-06
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ENSG00000025708	TYMP	0.918888053	0.046289025
ENSG00000125968	ID1	0.918936762	0.035075415
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ENSG00000106993	CDC37L1	0.918971438	0.000203982
ENSG00000168497	SDPR	0.919011894	0.045527288
ENSG00000103404	USP31	0.919066516	0.00015442
ENSG00000196782	MAML3	0.919137807	7.37E-07
ENSG00000124496	TRERF1	0.919155094	6.32E-06
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ENSG00000072134	EPN2	0.91926388	4.78E-05
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ENSG00000169764	UGP2	0.919264474	3.92E-07
ENSG00000156253	RWDD2B	0.919271871	0.000180312
ENSG00000149182	ARFGAP2	0.91930681	2.01E-05
ENSG00000258227	CLEC5A	0.919323587	0.014809673
ENSG00000119979	FAM45A	0.919340743	0.000358282
ENSG00000151692	RNF144A	0.919375634	0.002654598
ENSG00000198093	ZNF649	0.919414317	1.18E-05
ENSG00000101850	GPR143	0.919479834	0.006569329
ENSG00000111727	HCFC2	0.919504521	0.040308832
ENSG00000130559	CAMSAP1	0.919547485	0.000315675
ENSG00000215271	HOMEZ	0.919550368	1.23E-05
ENSG00000174903	RAB1B	0.919624115	0.001207007
ENSG00000198039	ZNF273	0.919634883	0.023173864
ENSG00000159648	TEPP	0.919639395	0.000191602
ENSG00000137266	SLC22A23	0.919660067	7.51E-09
ENSG00000077498	TYR	0.919698192	7.89E-09
ENSG00000087250	MT3	0.919736581	0.001795225
ENSG00000117362	APH1A	0.919803637	4.78E-08
ENSG00000173599	PC	0.919857097	0.008061614
ENSG00000184148	SPRR4	0.919888307	9.08E-06
ENSG00000121579	NAA50	0.919916977	6.95E-06
ENSG00000168938	PPIC	0.919960929	4.26E-07
ENSG00000072803	FBXW11	0.920068722	0.000376347
ENSG00000268242	AC131935.1	0.920071781	0.001691333
ENSG00000117758	STX12	0.920119993	2.68E-12
ENSG00000182890	GLUD2	0.920249322	1.43E-08
ENSG00000163344	PMVK	0.920295625	0.003451502
ENSG00000122490	PQLC1	0.920313071	0.005785841
ENSG00000163930	BAP1	0.92032088	1.79E-06
ENSG00000100075	SLC25A1	0.920343916	0.000185669

ENSG00000103769	RAB11A	0.920358404	0.009920085
ENSG00000122696	SLC25A51	0.920410632	0.028899525
ENSG00000204315	FKBPL	0.920426225	2.02E-05
ENSG00000111729	CLEC4A	0.920493506	0.013881749
ENSG00000183807	FAM162B	0.920609115	0.005099675
ENSG00000134779	TPGS2	0.920617756	0.001645195
ENSG00000197429	IPP	0.92062665	0.0001156
ENSG00000111144	LTA4H	0.920650624	0.001828252
ENSG00000225996	AL356356.1	0.920667563	0.020801092
ENSG00000186300	ZNF555	0.920675135	0.001537725
ENSG00000233822	HIST1H2BN	0.920698789	0.000275948
ENSG00000128872	TMOD2	0.920720262	0.000290803
ENSG00000165494	PCF11	0.920720365	0.002898012
ENSG00000140830	TXNL4B	0.920731355	0.000204965
ENSG00000112096	SOD2	0.920759216	0.00324469
ENSG00000168398	BDKRB2	0.920796071	0.023234812
ENSG00000065135	GNAI3	0.920833715	0.03507688
ENSG00000093167	LRRFIP2	0.920833846	0.008178368
ENSG00000128310	GALR3	0.920833991	0.005230941
ENSG00000140443	IGF1R	0.920870372	0.021919731
ENSG00000215252	GOLGA8B	0.920904466	0.031481075
ENSG00000154721	JAM2	0.920915263	0.030039303
ENSG00000119314	PTBP3	0.921006562	4.55E-06
ENSG00000171827	ZNF570	0.921016296	0.000746605
ENSG00000048707	VPS13D	0.92101758	0.000545157
ENSG00000212127	TAS2R14	0.921063167	0.000449445
ENSG00000136710	CCDC115	0.921070028	9.90E-05
ENSG00000198408	MGEA5	0.921100646	0.000111427
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ENSG00000203727	SAMD5	0.921286416	0.044860295
ENSG00000164169	PRMT10	0.921288822	0.000209691
ENSG00000136153	LMO7	0.921296577	0.0011374
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ENSG00000116141	MARK1	0.921367398	0.003286881
ENSG00000119787	ATL2	0.921383602	0.001422228
ENSG00000091073	DTX2	0.921453196	0.000369216
ENSG00000224051	GLTPD1	0.921510162	0.006596418
ENSG00000145949	MYLK4	0.921510838	0.001682211
ENSG00000133104	SPG20	0.921515423	0.003521317
ENSG00000255112	CHMP1B	0.92157938	1.42E-05
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ENSG00000140153	WDR20	0.921767091	5.19E-06
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ENSG00000157551	KCNJ15	0.92201962	0.042306031
ENSG00000112494	UNC93A	0.922047228	0.049439733
ENSG00000103671	TRIP4	0.922099078	7.99E-10
ENSG00000127152	BCL11B	0.922143459	0.000189213
ENSG00000166265	CYYR1	0.922169747	0.015133242
ENSG00000119812	FAM98A	0.922192629	6.05E-05
ENSG00000148229	POLE3	0.922282681	0.000411841
ENSG00000118194	TNNT2	0.922300059	1.12E-06
ENSG00000182541	LIMK2	0.922367929	0.02662675
ENSG00000153721	CNKSR3	0.922457939	1.81E-05
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ENSG00000178234	GALNT11	0.922470869	1.35E-05
ENSG00000118518	RNF146	0.922512898	0.004747887
ENSG00000174917	C19orf70	0.922530351	3.76E-05
ENSG00000040341	STAU2	0.92254221	0.033050002
ENSG00000160216	AGPAT3	0.922544505	0.005774113
ENSG00000153339	TRAPPC8	0.922552885	8.42E-05
ENSG00000184602	SNN	0.922581458	0.003266392
ENSG00000062096	ARSF	0.922606293	0.004085227
ENSG00000243137	PSG4	0.922622975	1.06E-06
ENSG00000157483	MYO1E	0.922683593	0.000681853
ENSG00000159289	GOLGA6A	0.922697339	0.006629045
ENSG00000164329	PAPD4	0.922714777	3.13E-06
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ENSG00000177879	AP3S1	0.922780081	3.01E-09
ENSG00000186073	C15orf41	0.922788302	5.93E-05
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ENSG00000162777	DENND2D	0.92283989	1.15E-05
ENSG00000068024	HDAC4	0.92285914	0.006892014
ENSG00000136044	APPL2	0.922886394	0.004270968
ENSG00000099992	TBC1D10A	0.922892487	2.93E-07
ENSG00000134046	MBD2	0.922900702	0.00246218
ENSG00000067057	PFKP	0.92290655	1.67E-06
ENSG00000095713	CRTAC1	0.922929001	3.18E-05
ENSG00000133661	SFTPD	0.922950725	0.002219379
ENSG00000132677	RHBG	0.922972129	0.033670421
ENSG00000168830	HTR1E	0.922987122	0.001806331
ENSG00000203782	LOR	0.923017681	0.005465574
ENSG00000125952	MAX	0.923019578	0.000147605
ENSG00000103653	CSK	0.923035146	1.28E-06
ENSG00000108947	EFNB3	0.923037243	8.88E-08
ENSG00000167740	CYB5D2	0.923039849	0.001794964

ENSG00000172380	GNG12	0.92304594	3.72E-05
ENSG00000102362	SYTL4	0.923065219	2.09E-06
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ENSG00000023892	DEF6	0.923096818	6.98E-07
ENSG00000164172	MOCS2	0.923109024	3.56E-05
ENSG00000137693	YAP1	0.92313096	0.012374333
ENSG00000154845	PPP4R1	0.923206905	0.016132896
ENSG00000047644	WWC3	0.923230089	0.002142125
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ENSG00000079393	DUSP13	0.923339204	6.82E-06
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ENSG00000110427	KIAA1549L	0.923549223	1.51E-07
ENSG00000163636	PSMD6	0.923565894	0.003260671
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ENSG00000166452	AKIP1	0.923740513	9.31E-06
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ENSG00000108479	GALK1	0.924094228	0.048142258
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ENSG00000117625	RCOR3	0.924103255	0.011744972
ENSG00000102471	NDFIP2	0.924127947	0.000442427
ENSG00000188522	FAM83G	0.924188744	9.15E-06
ENSG00000163705	FANCD2OS	0.924210442	0.000205393
ENSG00000057608	GDI2	0.92425884	4.99E-07
ENSG00000157500	APPL1	0.924398184	6.60E-06
ENSG00000104763	ASAHI	0.924439175	7.22E-05
ENSG00000181449	SOX2	0.924459724	0.001284187
ENSG00000113119	TMCO6	0.924475782	0.000106463
ENSG00000102302	FGD1	0.924530354	0.001724276
ENSG00000116954	RRAGC	0.92454399	9.16E-07
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ENSG00000175356	SCUBE2	0.924612602	0.002259651
ENSG00000198911	SREBF2	0.924632891	0.005816419
ENSG00000182552	RWDD4	0.924673177	0.000250997
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ENSG00000213416	KRTAP4-12	0.924736992	0.004339493
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ENSG00000182631	RXFP3	0.924890007	0.000420724
ENSG00000161326	DUSP14	0.924922039	0.018831374
ENSG00000197846	HIST1H2BF	0.924940944	0.019008633

ENSG00000116717	GADD45A	0.924972662	0.000426491
ENSG00000100744	GSKIP	0.92500993	4.10E-05
ENSG00000140950	TLDC1	0.925017265	0.016936053
ENSG00000107372	ZFAND5	0.925072347	0.02491178
ENSG00000152223	EPG5	0.925110979	1.46E-07
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ENSG00000102893	PHKB	0.925141581	0.000182933
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ENSG00000164548	TRA2A	0.925505805	4.43E-05
ENSG00000166454	ATMIN	0.925530501	0.031566108
ENSG00000155903	RASA2	0.925545799	3.84E-05
ENSG00000160408	ST6GALNAC6	0.925564592	1.38E-06
ENSG00000157045	NTAN1	0.925571855	3.76E-06
ENSG00000163110	PDLIM5	0.92559395	0.01793215
ENSG00000197619	ZNF615	0.925597365	0.003518132
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ENSG00000164024	METAP1	0.925736178	0.015884648
ENSG00000047056	WDR37	0.925737003	1.20E-05
ENSG00000170248	PDCD6IP	0.925737294	7.65E-07
ENSG00000126500	FLRT1	0.92576522	0.036309899
ENSG00000090238	YPEL3	0.925784437	0.000416785
ENSG00000148218	ALAD	0.925813381	0.00109835
ENSG00000083307	GRHL2	0.925821829	0.000194279
ENSG00000107036	KIAA1432	0.925825141	1.64E-05
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ENSG00000095015	MAP3K1	0.925925051	0.012111769
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ENSG00000131966	ACTR10	0.926074187	1.04E-05
ENSG00000114738	MAPKAPK3	0.92607896	0.019514372
ENSG00000186106	ANKRD46	0.926091429	0.005057375
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ENSG00000012660	ELOVL5	0.926144792	0.035139519
ENSG00000204513	PRAMEF11	0.926146386	0.00435778
ENSG00000100519	PSMC6	0.926163357	0.000434756
ENSG00000033800	PIAS1	0.926178696	1.09E-05
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ENSG00000187583	PLEKHN1	0.926214819	2.77E-05
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ENSG00000127585	FBXL16	0.926313576	3.39E-06
ENSG00000168785	TSPAN5	0.926315037	0.004397524
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ENSG00000144908	ALDH1L1	0.926492635	0.040440993
ENSG00000171606	ZNF274	0.926502733	0.047334615
ENSG00000100288	CHKB	0.926557959	9.57E-05
ENSG00000149452	SLC22A8	0.92672522	3.30E-05
ENSG00000120727	PAIP2	0.926755026	0.000126462
ENSG00000103266	STUB1	0.926759394	2.37E-07
ENSG00000104765	BNIP3L	0.926807512	0.037552489
ENSG00000066583	ISOC1	0.926834338	1.28E-07
ENSG00000164093	PITX2	0.926845781	0.039126448
ENSG00000112290	WASF1	0.926848184	0.035795424
ENSG00000087301	TXNDC16	0.926864037	0.026391812
ENSG00000066777	ARFGEF1	0.926875133	0.001344682
ENSG00000165637	VDAC2	0.926979262	0.000821314
ENSG00000187866	FAM122A	0.926979544	0.000191259
ENSG00000130449	ZSWIM6	0.927035994	5.03E-05
ENSG00000184743	ATL3	0.92703746	2.50E-05
ENSG00000213096	ZNF254	0.927042913	0.009916669
ENSG00000082805	ERC1	0.927071483	3.92E-07
ENSG00000149527	PLCH2	0.927074083	0.009687319
ENSG00000241322	CDRT1	0.92707481	5.43E-07
ENSG00000058668	ATP2B4	0.927079797	0.000245591
ENSG00000116871	MAP7D1	0.927093998	9.49E-05
ENSG00000063180	CA11	0.927138997	6.78E-05
ENSG00000227268	KLLN	0.927157237	0.00047629
ENSG00000079739	PGM1	0.927179498	0.023506006
ENSG00000165804	ZNF219	0.927288239	0.004852144
ENSG00000180447	GAS1	0.927321238	7.76E-07
ENSG00000243772	KIR2DL3	0.927364652	2.80E-05
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ENSG00000100448	CTSG	0.927379076	0.000326705
ENSG00000251655	PRB1	0.9274113	0.010178762
ENSG00000175793	SFN	0.927418952	1.16E-07
ENSG00000149654	CDH22	0.927424828	3.82E-09
ENSG00000166233	ARIH1	0.927446694	1.67E-05
ENSG00000160753	RUSC1	0.927524124	3.61E-06
ENSG00000084207	GSTP1	0.927533427	0.039047573
ENSG00000197935	ZNF311	0.927582337	0.000284244
ENSG00000140995	DEF8	0.927585752	0.012752411
ENSG00000131788	PIAS3	0.927635485	0.01269182
ENSG00000105146	AURKC	0.927664972	1.43E-05
ENSG00000108175	ZMIZ1	0.927667995	0.016647691

ENSG00000165197	FIGF	0.927745036	0.018309233
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ENSG00000112685	EXOC2	0.927820553	3.28E-05
ENSG00000162927	PUS10	0.927862897	0.000726079
ENSG00000115808	STRN	0.927910966	0.020614699
ENSG00000075413	MARK3	0.92794572	1.90E-06
ENSG00000050327	ARHGEF5	0.927978532	6.76E-05
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ENSG00000131732	ZCCHC9	0.928032246	8.72E-05
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ENSG00000167508	MVD	0.928145452	2.81E-06
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ENSG00000176871	WSB2	0.928198355	0.028938459
ENSG00000188064	WNT7B	0.928208763	0.008890316
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ENSG00000204941	PSG5	0.928277418	0.000139068
ENSG00000136286	MYO1G	0.928281625	2.25E-05
ENSG00000164010	ERMAP	0.928284478	0.002382575
ENSG00000162032	SPSB3	0.928309147	0.028002432
ENSG00000182175	RGMA	0.928337813	4.13E-09
ENSG00000188672	RHCE	0.928339807	0.001024996
ENSG00000145388	METTL14	0.92834318	0.001075389
ENSG00000121310	ECHDC2	0.928370305	0.004074683
ENSG00000171847	FAM90A1	0.928403069	0.006083344
ENSG00000161911	TREML1	0.92841464	4.88E-05
ENSG00000141510	TP53	0.928423327	0.015249727
ENSG00000107771	CCSER2	0.928454144	3.12E-05
ENSG00000198597	ZNF536	0.92845962	0.001255156
ENSG00000091542	ALKBH5	0.928487059	0.001162174
ENSG00000114648	KLHL18	0.928503342	1.16E-06
ENSG00000150347	ARID5B	0.928515633	5.41E-09
ENSG00000205765	C5orf51	0.928520255	3.16E-07
ENSG00000176018	LYSMD3	0.928529952	1.37E-05
ENSG00000182010	RTKN2	0.928558861	0.040034555
ENSG00000091622	PITPNM3	0.928563495	0.020925543
ENSG00000135655	USP15	0.928576411	8.69E-05
ENSG00000197024	ZNF398	0.928635998	0.003103081
ENSG00000206418	RAB12	0.928712436	0.001839244
ENSG00000011295	TTC19	0.928727535	5.44E-05
ENSG00000163191	S100A11	0.928759531	0.00761067
ENSG00000173281	PPP1R3B	0.928786277	5.59E-05
ENSG00000204839	MROH6	0.928797322	3.16E-05
ENSG00000070371	CLTCL1	0.928798099	0.000168482
ENSG00000166199	ALKBH3	0.928804619	0.024128856
ENSG00000166856	GPR182	0.92880836	5.54E-07
ENSG00000197233	OR1J2	0.928817462	2.82E-07
ENSG00000070759	TESK2	0.928831583	0.001348524

ENSG00000170175	CHRN1	0.92885281	0.003936022
ENSG00000130844	ZNF331	0.928856433	0.023314763
ENSG00000185689	C6orf201	0.928872121	0.000151526
ENSG00000109572	CLCN3	0.928916819	0.000201019
ENSG00000172006	ZNF554	0.928955487	0.000153264
ENSG00000186364	NUDT17	0.929003347	0.000104894
ENSG00000125249	RAP2A	0.929043025	1.99E-05
ENSG00000142046	TMEM91	0.929173362	6.73E-06
ENSG00000147533	GOLGA7	0.929193498	4.44E-06
ENSG00000013503	POLR3B	0.929352955	0.034739064
ENSG00000185340	GAS2L1	0.929380298	0.007136585
ENSG00000177646	ACAD9	0.929395826	3.36E-06
ENSG00000169155	ZBTB43	0.929404675	1.49E-05
ENSG00000109686	SH3D19	0.929405166	0.002448753
ENSG00000138069	RAB1A	0.929419232	1.08E-05
ENSG00000018869	ZNF582	0.929437621	4.96E-08
ENSG00000100418	DESI1	0.929459561	0.011815447
ENSG00000166546	BEAN1	0.929463472	0.005312533
ENSG00000133997	MED6	0.929485714	0.022606708
ENSG00000167881	SRP68	0.929515946	4.77E-07
ENSG00000187554	TLR5	0.929577277	0.005229436
ENSG00000161243	FBXO27	0.929628937	0.000205028
ENSG00000172731	LRRC20	0.929679196	0.045366892
ENSG00000072518	MARK2	0.929712099	3.26E-05
ENSG00000187144	SPATA21	0.929712854	4.07E-06
ENSG00000116205	TCEANC2	0.929737256	0.000137067
ENSG00000188997	KCTD21	0.929752872	0.023301943
ENSG00000166839	ANKDD1A	0.929802877	0.00948511
ENSG00000008441	NFIX	0.929867064	0.004318067
ENSG00000101493	ZNF516	0.929953024	0.00256678
ENSG00000180573	HIST1H2AC	0.929955823	0.019660107
ENSG00000188976	NOC2L	0.929957798	1.98E-06
ENSG00000196724	ZNF418	0.930016885	0.007614983
ENSG00000131724	IL13RA1	0.930029753	0.035196501
ENSG00000185869	ZNF829	0.930036591	3.11E-06
ENSG00000161542	PRPSAP1	0.930046585	0.004178782
ENSG00000185666	SYN3	0.930051132	0.010072075
ENSG00000138621	PPCDC	0.930053273	0.002234094
ENSG00000050030	KIAA2022	0.93007838	5.69E-07
ENSG00000151468	CCDC3	0.930140086	0.002837655
ENSG00000082929	C4orf6	0.930156551	5.55E-06
ENSG00000166170	BAG5	0.930158445	1.35E-05
ENSG00000060138	YBX3	0.930159414	0.002461599
ENSG00000183337	BCOR	0.930180945	0.01018269
ENSG00000159873	CCDC117	0.930193857	9.51E-05
ENSG00000120733	KDM3B	0.930240285	1.15E-06
ENSG00000066084	DIP2B	0.93030861	3.56E-05

ENSG00000069812	HES2	0.93032286	0.004809701
ENSG00000075426	FOSL2	0.930324459	0.010356873
ENSG00000187475	HIST1H1T	0.930363323	3.26E-06
ENSG00000184459	BPIFC	0.930380204	0.000126595
ENSG00000164332	UBLCP1	0.930405195	0.001481017
ENSG00000180739	S1PR5	0.93044272	0.039795685
ENSG00000146904	EPHA1	0.93046667	0.014908325
ENSG00000111319	SCNN1A	0.930470622	0.009046085
ENSG00000080819	CPOX	0.930471288	0.00512018
ENSG00000151689	INPP1	0.930494904	0.016190825
ENSG00000120437	ACAT2	0.930511683	0.047805257
ENSG00000169918	OTUD7A	0.930522829	1.15E-06
ENSG00000197766	CFD	0.930551865	0.030188581
ENSG00000057757	PITHD1	0.93062273	5.18E-10
ENSG00000170873	MTSS1	0.930633285	0.000219962
ENSG00000089876	DHX32	0.930636708	9.80E-11
ENSG00000116996	ZP4	0.930658799	4.12E-07
ENSG00000128573	FOXP2	0.930686136	8.48E-10
ENSG00000125734	GPR108	0.930701172	2.83E-05
ENSG00000169019	COMMD8	0.930701815	0.001769909
ENSG00000166167	BTRC	0.930720058	0.000539154
ENSG00000141527	CARD14	0.930725748	0.012787545
ENSG00000123080	CDKN2C	0.930729049	8.18E-05
ENSG00000213390	ARHGAP19	0.930731715	0.001702695
ENSG00000049883	PTCD2	0.930819709	7.37E-05
ENSG00000022976	ZNF839	0.93089316	8.68E-06
ENSG00000135452	TSPAN31	0.930917615	0.00127516
ENSG00000057935	MTA3	0.930979011	7.97E-06
ENSG00000109680	TBC1D19	0.930979105	0.000358982
ENSG00000147883	CDKN2B	0.930993845	0.01913869
ENSG00000091039	OSBPL8	0.931088234	0.008264293
ENSG00000108786	HSD17B1	0.931124445	0.000150431
ENSG00000145217	SLC26A1	0.931188527	0.023028972
ENSG00000198691	ABCA4	0.931214779	1.59E-05
ENSG00000076067	RBMS2	0.931226516	0.004071801
ENSG00000134910	STT3A	0.931258305	0.00400609
ENSG00000005893	LAMP2	0.931315514	1.17E-05
ENSG00000100433	KCNK10	0.93132517	8.72E-05
ENSG00000166289	PLEKHF1	0.93136792	0.00066355
ENSG00000121281	ADCY7	0.931369109	6.65E-06
ENSG00000185305	ARL15	0.931392212	0.000377927
ENSG00000171681	ATF7IP	0.931401269	0.00144844
ENSG00000125746	EML2	0.931408481	5.73E-09
ENSG00000204388	HSPA1B	0.931409582	0.00714498
ENSG00000164674	SYTL3	0.931459255	0.000608312
ENSG00000110108	TMEM109	0.93155658	0.008547083
ENSG00000172350	ABCG4	0.931586266	4.12E-06

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ENSG00000158955	WNT9B	0.931637717	3.63E-05
ENSG00000152234	ATP5A1	0.931645253	0.00453319
ENSG00000118985	ELL2	0.931692053	0.00454695
ENSG00000183479	TREX2	0.931714606	0.028941961
ENSG00000113272	THG1L	0.931732947	0.000713003
ENSG00000076826	CAMSAP3	0.931748981	0.003730986
ENSG00000141905	NFIC	0.931754539	0.001026758
ENSG00000137727	ARHGAP20	0.931762662	1.73E-05
ENSG00000131795	RBM8A	0.93178548	1.68E-06
ENSG00000149212	SESN3	0.931810942	1.12E-05
ENSG00000137460	FHDC1	0.931818171	0.003559618
ENSG00000169738	DCXR	0.931822162	0.039725535
ENSG00000099968	BCL2L13	0.931825654	3.34E-10
ENSG00000054116	TRAPPC3	0.931846552	4.13E-05
ENSG00000179038	AP001885.1	0.931867634	7.37E-07
ENSG00000128040	SPINK2	0.931897684	0.013314863
ENSG00000169905	TOR1AIP2	0.931970178	1.26E-05
ENSG00000232810	TNF	0.931973041	0.000219611
ENSG00000189182	KRT77	0.931974153	0.002479983
ENSG00000125124	BBS2	0.931979152	0.001728847
ENSG00000103067	ESRP2	0.931994817	0.000135391
ENSG00000161204	ABCF3	0.932008281	6.54E-05
ENSG00000111199	TRPV4	0.932030211	0.009967034
ENSG00000135334	AKIRIN2	0.932053695	0.010788302
ENSG00000161664	ASB16	0.932074993	0.000165091
ENSG00000140600	SH3GL3	0.932122292	0.007762016
ENSG00000036257	CUL3	0.93215971	9.71E-07
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ENSG00000064195	DLX3	0.932238257	0.000258758
ENSG00000132938	MTUS2	0.93230439	7.08E-06
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ENSG00000160808	MYL3	0.932319652	0.02077698
ENSG00000164756	SLC30A8	0.932349133	3.32E-08
ENSG00000163702	IL17RC	0.932413023	0.004364643
ENSG00000170340	B3GNT2	0.932413844	0.00012883
ENSG00000221995	TIAF1	0.932520702	0.000159055
ENSG00000101187	SLCO4A1	0.932527345	0.001731611
ENSG00000111540	RAB5B	0.932533006	0.003008863
ENSG00000169372	CRADD	0.932560644	0.001652713
ENSG00000006757	PNPLA4	0.932583593	0.00811498
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ENSG00000121653	MAPK8IP1	0.932613634	0.001140102
ENSG00000132326	PER2	0.932615874	0.003591346
ENSG00000112851	ERBB2IP	0.932618972	0.009746615
ENSG00000155330	C16orf87	0.932634766	0.007378882
ENSG00000140470	ADAMTS17	0.932672401	0.002647498

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ENSG00000198356	ASNA1	0.932728591	0.005923663
ENSG00000198722	UNC13B	0.932759218	0.008025028
ENSG00000165819	METTL3	0.932779222	0.00166025
ENSG00000145349	CAMK2D	0.932795529	4.53E-05
ENSG00000111145	ELK3	0.932834839	0.020148103
ENSG00000204695	OR14J1	0.932892303	5.79E-06
ENSG00000172531	PPP1CA	0.93291874	0.023150628
ENSG00000139194	RBP5	0.933013732	0.001176554
ENSG00000174595	KLF14	0.933034733	1.57E-06
ENSG00000254999	BRK1	0.933067634	6.64E-07
ENSG00000169083	AR	0.933070897	0.001022156
ENSG00000101193	GID8	0.933071671	0.032718833
ENSG00000135069	PSAT1	0.933077271	0.039736651
ENSG00000108528	SLC25A11	0.933090713	0.001731221
ENSG00000110955	ATP5B	0.933096205	4.79E-06
ENSG00000100865	CINP	0.933137016	0.000224133
ENSG00000150776	C11orf57	0.933163605	4.86E-06
ENSG00000166140	ZFYVE19	0.933182129	0.000318789
ENSG00000134109	EDEM1	0.933213358	0.000637381
ENSG00000163106	HPGDS	0.933248046	0.002989746
ENSG00000163637	PRICKLE2	0.933284481	0.029006505
ENSG00000176720	BOK	0.933298554	0.012067851
ENSG00000136802	LRRC8A	0.933310769	2.65E-05
ENSG00000076248	UNG	0.933319858	0.001177023
ENSG00000071054	MAP4K4	0.933321536	0.003916198
ENSG00000163235	TGFA	0.933322933	0.04048205
ENSG00000132915	PDE6A	0.933332443	4.69E-08
ENSG00000114978	MOB1A	0.93333711	5.76E-06
ENSG00000183172	SMDT1	0.933354186	1.13E-05
ENSG00000176920	FUT2	0.933366419	0.002238068
ENSG00000155876	RRAGA	0.933396481	0.009049955
ENSG00000095485	CWF19L1	0.933419687	0.000913259
ENSG00000197724	PHF2	0.933444566	3.40E-05
ENSG00000054523	KIF1B	0.933465861	0.006980335
ENSG00000061676	NCKAP1	0.933478428	0.023103024
ENSG00000132423	COQ3	0.933480624	0.022909892
ENSG00000175203	DCTN2	0.933497481	5.18E-08
ENSG00000146067	FAM193B	0.933535585	0.00027383
ENSG00000076321	KLHL20	0.933555663	9.31E-11
ENSG00000177932	ZNF354C	0.933556444	2.89E-08
ENSG00000077463	SIRT6	0.933636901	0.022605331
ENSG00000198589	LRBA	0.93367783	4.20E-05
ENSG00000215346	AF131215.5	0.933692313	0.027162925
ENSG00000151445	VIPAS39	0.933697164	3.37E-07
ENSG00000105048	TNNT1	0.933766404	1.06E-06
ENSG00000117450	PRDX1	0.933788583	8.78E-07

ENSG00000196704	AMZ2	0.933795388	0.006181329
ENSG00000030582	GRN	0.933804307	0.047965597
ENSG00000125779	PANK2	0.93381092	8.32E-07
ENSG00000175582	RAB6A	0.933839067	0.024468528
ENSG00000136478	TEX2	0.933859356	0.011944321
ENSG00000166090	IL25	0.933869248	2.52E-05
ENSG00000204290	BTNL2	0.93387258	0.017447672
ENSG00000140471	LINS	0.933905717	0.000840387
ENSG00000175137	SH3BP5L	0.933921552	8.89E-06
ENSG00000140386	SCAPER	0.933940988	0.029591146
ENSG00000183657	PP13439	0.934036133	0.01478406
ENSG00000175387	SMAD2	0.934068383	0.002693707
ENSG00000079950	STX7	0.934117965	5.68E-08
ENSG00000116990	MYCL	0.934119441	0.011312988
ENSG00000198851	CD3E	0.934123891	0.001957703
ENSG00000187048	CYP4A11	0.934143461	0.000213025
ENSG00000132475	H3F3B	0.934166648	1.45E-07
ENSG00000179148	ALOXE3	0.934191211	0.000118215
ENSG00000065371	ROPN1	0.934272742	0.000277132
ENSG00000067225	PKM	0.93434617	0.032875821
ENSG00000131233	GJA9	0.934378196	0.03287904
ENSG00000129691	ASH2L	0.934379722	1.50E-06
ENSG00000170876	TMEM43	0.934380435	0.037705311
ENSG00000100647	KIAA0247	0.93439573	0.004372001
ENSG00000144118	RALB	0.934410806	0.021092687
ENSG00000180104	EXOC3	0.934433081	0.000985721
ENSG00000069943	PIGB	0.934454075	0.002056634
ENSG00000117000	RLF	0.934489419	2.17E-05
ENSG00000188004	C1orf204	0.934535292	0.000446026
ENSG00000171223	JUNB	0.93454747	0.005210486
ENSG00000101327	PDYN	0.934551745	0.021875891
ENSG00000155158	TTC39B	0.934583872	0.000537319
ENSG00000130433	CACNG6	0.934590269	1.11E-08
ENSG00000115594	IL1R1	0.934646847	0.000948476
ENSG00000088682	COQ9	0.934682305	0.008171816
ENSG00000086827	ZW10	0.934708728	0.004302347
ENSG00000176783	RUFY1	0.934709272	2.19E-07
ENSG00000167770	OTUB1	0.934726106	1.92E-05
ENSG00000184083	FAM120C	0.934756115	3.14E-05
ENSG00000186868	MAPT	0.934766933	0.001135071
ENSG00000137561	TTPA	0.934815452	0.031036584
ENSG00000151704	KCNJ1	0.934817682	1.33E-06
ENSG00000148943	LIN7C	0.934843716	1.26E-05
ENSG00000186115	CYP4F2	0.934846324	0.045863481
ENSG00000113389	NPR3	0.934871847	0.003194238
ENSG00000166135	HIF1AN	0.934897539	9.39E-05
ENSG00000101542	CDH20	0.934919952	0.01192038

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ENSG00000112079	STK38	0.934933376	1.07E-05
ENSG00000185069	KRT76	0.934961267	3.22E-06
ENSG00000198825	INPP5F	0.93497292	1.64E-05
ENSG00000105497	ZNF175	0.935020686	0.001143325
ENSG00000254550	OMP	0.935044206	0.021659682
ENSG00000066926	FECH	0.935054465	0.000695472
ENSG00000197893	NRAP	0.935082328	2.31E-06
ENSG00000172992	DCAKD	0.935100542	0.000671348
ENSG00000101349	PAK7	0.935109359	6.40E-06
ENSG00000177370	TIMM22	0.935111609	1.07E-05
ENSG00000115598	IL1RL2	0.935112927	2.55E-05
ENSG00000250254	PTTG2	0.935134164	1.19E-06
ENSG00000168806	LCMT2	0.935155525	0.008333534
ENSG00000100697	DICER1	0.935165272	2.76E-07
ENSG00000134287	ARF3	0.935172668	1.07E-06
ENSG00000110422	HIPK3	0.935205846	0.001495363
ENSG00000166224	SGPL1	0.935241194	0.021681326
ENSG00000074964	ARHGEF10L	0.935271469	0.001940584
ENSG00000182612	TSPAN10	0.935286652	0.007160439
ENSG00000163312	HELQ	0.935291425	0.000602683
ENSG00000139631	CSAD	0.935314427	0.033493617
ENSG00000164334	FAM170A	0.935322856	1.19E-06
ENSG00000269190	FBXO17	0.935325027	0.022361517
ENSG00000149256	TENM4	0.93537507	0.006316674
ENSG00000149489	ROM1	0.935382367	0.005094808
ENSG00000157911	PEX10	0.935428256	0.011709152
ENSG00000204538	PSORS1C2	0.935442266	2.50E-05
ENSG00000204370	SDHD	0.935470503	0.000101399
ENSG00000171469	ZNF561	0.935503019	0.011935973
ENSG00000186803	IFNA10	0.935531613	0.004315188
ENSG00000142619	PADI3	0.935570903	0.015092081
ENSG00000185823	NPAP1	0.935583054	0.036261276
ENSG00000170848	PSG6	0.935720599	4.69E-06
ENSG00000163635	ATXN7	0.935759563	1.27E-05
ENSG00000125375	ATP5S	0.935859446	0.000160901
ENSG00000165152	TMEM246	0.935874546	0.01357306
ENSG00000196431	CRYBA4	0.935910439	0.005586457
ENSG00000157445	CACNA2D3	0.935928151	4.99E-05
ENSG00000135063	FAM189A2	0.935937162	0.044424621
ENSG00000259494	MRPL46	0.935937935	0.00774835
ENSG00000137080	IFNA21	0.935958994	0.001649506
ENSG00000140395	WDR61	0.935962773	0.002175918
ENSG00000212721	KRTAP4-11	0.935988239	2.95E-05
ENSG00000149305	HTR3B	0.936015259	0.009782017
ENSG00000213977	TAX1BP3	0.936023464	1.85E-07
ENSG00000081154	PCNP	0.936081219	5.86E-06

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ENSG00000109101	FOXN1	0.936113035	0.011333209
ENSG00000247626	MARS2	0.936142175	0.009294896
ENSG00000100216	TOMM22	0.936160485	0.004734498
ENSG00000172987	HPSE2	0.936220029	0.004053016
ENSG00000181585	TMIE	0.936241376	3.08E-06
ENSG00000154645	CHODL	0.936251414	0.000676977
ENSG00000257591	ZNF625	0.936266588	0.008526652
ENSG00000104863	LIN7B	0.936277532	0.002992131
ENSG00000186395	KRT10	0.936369081	0.019477478
ENSG00000135299	ANKRD6	0.936372435	0.009279241
ENSG00000177971	IMP3	0.936389268	0.003193042
ENSG00000170956	CEACAM3	0.936397834	3.08E-06
ENSG00000149218	ENDOD1	0.93640082	0.049704772
ENSG00000111142	METAP2	0.936444862	0.002871905
ENSG00000075275	CELSR1	0.93646759	0.003956139
ENSG00000114331	ACAP2	0.936474357	0.00084056
ENSG00000143537	ADAM15	0.936479406	0.046785922
ENSG00000100003	SEC14L2	0.93649016	0.041743739
ENSG00000159842	ABR	0.93650365	0.00675405
ENSG00000185332	TMEM105	0.936508245	5.71E-05
ENSG00000183624	HMCES	0.936512603	7.34E-08
ENSG00000172817	CYP7B1	0.936525742	0.020606473
ENSG00000177105	RHOG	0.936528938	0.000764732
ENSG00000198856	OSTC	0.936562505	0.001090366
ENSG00000138136	LBX1	0.936571452	5.69E-05
ENSG00000129646	QRICH2	0.936642604	0.000444552
ENSG00000147526	TACC1	0.936654025	0.000971019
ENSG00000166507	NDST2	0.936656778	1.34E-09
ENSG00000135617	PRADC1	0.936682702	0.001014783
ENSG00000113615	SEC24A	0.936693579	0.045454459
ENSG00000093000	NUP50	0.936703699	2.39E-06
ENSG00000115112	TFCP2L1	0.936731075	0.028404437
ENSG00000133606	MKRN1	0.936796192	2.71E-05
ENSG00000177030	DEAF1	0.93684433	0.024713452
ENSG00000003249	DBNDD1	0.9368473	0.041646564
ENSG00000234465	PINLYP	0.936891455	0.024824861
ENSG00000183695	MRGPRX2	0.936911467	0.000144832
ENSG00000110906	KCTD10	0.936941181	4.01E-07
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ENSG00000148908	RGS10	0.936973112	0.016954244
ENSG00000149503	INCENP	0.93697898	2.28E-05
ENSG00000141030	COPS3	0.937007289	0.01422928
ENSG00000155130	MARCKS	0.937019165	0.00247631
ENSG00000147145	LPAR4	0.937035628	0.002252988
ENSG00000128654	MTX2	0.937038025	0.00539118
ENSG00000177182	CLVS1	0.937044694	0.000483802

ENSG00000127483	HP1BP3	0.937051626	2.84E-05
ENSG00000196475	GK2	0.937056143	1.34E-05
ENSG00000120029	C10orf76	0.937070306	0.004604629
ENSG00000110077	MS4A6A	0.937072635	0.04752927
ENSG00000108405	P2RX1	0.937074412	0.000574532
ENSG00000152467	ZSCAN1	0.937092609	0.000131102
ENSG00000119906	FAM178A	0.937120905	0.011939447
ENSG00000180917	CMTR2	0.937154476	0.013677323
ENSG00000167531	LALBA	0.9371607	0.007027496
ENSG00000137656	BUD13	0.937194543	0.005846401
ENSG00000168291	PDHB	0.937218002	0.016982031
ENSG00000108219	TSPAN14	0.937230347	0.011708776
ENSG00000236669	AC006372.1	0.937284796	8.32E-05
ENSG00000108799	EZH1	0.937307887	4.59E-07
ENSG00000168158	OR2C1	0.937312631	1.24E-05
ENSG00000167535	CACNB3	0.937313244	0.036548835
ENSG00000140259	MFAP1	0.937327539	1.80E-05
ENSG00000167772	ANGPTL4	0.937351825	0.047085047
ENSG00000110375	UPK2	0.937359093	0.008880348
ENSG00000172340	SUCLG2	0.93740326	1.01E-08
ENSG00000211796	TRAV16	0.93744686	0.023688303
ENSG00000163931	TKT	0.937465931	0.002782726
ENSG00000074855	ANO8	0.937469399	1.66E-05
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ENSG00000163605	PPP4R2	0.937529209	0.024488315
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ENSG00000139173	TMEM117	0.937555736	0.021010453
ENSG00000122741	DCAF10	0.937559179	0.006408201
ENSG00000103184	SEC14L5	0.93757384	0.017281142
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ENSG00000125445	MRPS7	0.937704051	0.000218555
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ENSG00000165219	GAPVD1	0.937792009	0.019182239
ENSG00000108861	DUSP3	0.937807637	0.009083339
ENSG00000126247	CAPNS1	0.937816769	0.002220256
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ENSG00000229769	TRBV10-2	0.93791357	0.000403544

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ENSG00000159792	PSKH1	0.937984412	0.000423812
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ENSG00000142583	SLC2A5	0.938541667	4.91E-08
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ENSG00000137713	PPP2R1B	0.938626479	7.28E-05
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ENSG00000148730	EIF4EBP2	0.93874664	0.000132683
ENSG00000101336	HCK	0.93875357	0.034058174
ENSG00000197933	ZNF823	0.938758485	0.024230219
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ENSG00000213762	ZNF134	0.938803032	0.006938596
ENSG00000124789	NUP153	0.938823188	0.000121988
ENSG00000165370	GPR101	0.938851237	2.13E-06
ENSG00000154359	LONRF1	0.938867122	9.91E-10
ENSG00000185313	SCN10A	0.938867652	0.000194374
ENSG00000100320	RBFOX2	0.938883313	0.027983644
ENSG00000150455	TIRAP	0.938886491	3.06E-08
ENSG00000150433	TMEM218	0.938920045	0.00019533
ENSG00000066427	ATXN3	0.938947315	0.000989649
ENSG00000175220	ARHGAP1	0.938955809	0.000156944
ENSG00000153046	CDYL	0.938962803	0.00024468

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ENSG00000174527	MYO1H	0.939021312	0.018590033
ENSG00000105672	ETV2	0.939035456	0.034068472
ENSG00000198909	MAP3K3	0.939087292	0.000189334
ENSG00000140553	UNC45A	0.939097091	0.016887044
ENSG00000087077	TRIP6	0.939102066	0.004068026
ENSG00000198049	AVPR1B	0.939115161	0.000314594
ENSG00000078304	PPP2R5C	0.939118391	0.000127431
ENSG00000136327	NKX2-8	0.939123657	0.007291623
ENSG00000180347	CCDC129	0.93914805	4.77E-05
ENSG00000133794	ARNTL	0.939148124	0.020916562
ENSG00000187446	CHP1	0.939168381	0.036719812
ENSG00000110921	MVK	0.939214147	0.007508528
ENSG00000196437	ZNF569	0.939237654	0.002821342
ENSG00000142949	PTPRF	0.939308893	0.001135399
ENSG00000181856	SLC2A4	0.93936378	0.020904953
ENSG00000123374	CDK2	0.939440745	2.52E-05
ENSG00000143845	ETNK2	0.939453276	0.03051476
ENSG00000130725	UBE2M	0.939481432	0.013192164
ENSG00000145982	FARS2	0.939563643	0.001000267
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ENSG00000148053	NTRK2	0.939612105	0.000291234
ENSG00000106682	EIF4H	0.939636527	1.94E-08
ENSG00000064205	WISP2	0.939655537	1.31E-06
ENSG00000099942	CRKL	0.939740416	0.001394269
ENSG00000141543	EIF4A3	0.939773715	6.61E-05
ENSG00000168454	TXNDC2	0.939786417	0.000488894
ENSG00000074054	CLASP1	0.939812978	9.67E-06
ENSG00000078900	TP73	0.93982072	0.010984961
ENSG00000130656	HBZ	0.939822035	0.037351454
ENSG00000140497	SCAMP2	0.939845228	0.001603061
ENSG00000140575	IQGAP1	0.939847089	9.52E-05
ENSG00000211800	TRAV20	0.939863038	0.000199743
ENSG00000169344	UMOD	0.939885578	0.008776507
ENSG00000022840	RNF10	0.939888256	0.003743502
ENSG00000178567	EPM2AIP1	0.939929674	0.006237264
ENSG00000059691	PET112	0.939934016	0.000584982
ENSG00000159399	HK2	0.939983885	0.004724926
ENSG00000166634	SERPINB12	0.939995931	2.22E-05
ENSG00000167977	KCTD5	0.940001744	1.35E-06
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ENSG00000165623	UCMA	0.940013249	0.00035584
ENSG00000132321	IQCA1	0.940021159	2.25E-07
ENSG00000157017	GHRL	0.940021311	0.047089304
ENSG00000123636	BAZ2B	0.940029561	0.009073614
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ENSG00000153060	TEKT5	0.940211968	0.000538865
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ENSG00000018236	CNTN1	0.940223823	1.54E-06
ENSG00000131504	DIAPH1	0.940256005	5.75E-08
ENSG00000067082	KLF6	0.940261484	0.000162953
ENSG00000057019	DCBLD2	0.940279975	6.80E-05
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ENSG00000127863	TNFRSF19	0.940450779	0.0007734
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ENSG00000038274	MAT2B	0.941773768	7.28E-06
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ENSG00000031698	SARS	0.941795445	0.000117161
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ENSG00000100099	HPS4	0.941865861	0.000627221
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ENSG00000146049	KAAG1	0.942196976	0.006363178
ENSG00000204104	TRAF3IP1	0.942235197	0.009676661
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ENSG00000068793	CYFIP1	0.942277673	0.009104408
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ENSG00000165209	STRBP	0.942364951	0.006040323
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ENSG00000153914	SREK1	0.942411569	0.000452061
ENSG00000074966	TXK	0.94245016	0.028165779
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ENSG00000175189	INHBC	0.942508577	0.000125227
ENSG00000130638	ATXN10	0.942509935	0.003656726
ENSG00000130226	DPP6	0.942541204	0.027802787
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ENSG00000186204	CYP4F12	0.942580274	0.024722421
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ENSG00000102317	RBM3	0.942600913	0.004792842
ENSG00000185264	TEX33	0.942603647	0.040759111
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ENSG00000008196	TFAP2B	0.942627174	0.007609942
ENSG00000165269	AQP7	0.942654068	0.00029444
ENSG00000122203	KIAA1191	0.942657621	1.15E-05
ENSG00000178342	KCNG2	0.942694366	0.023923557
ENSG00000184182	UBE2F	0.942774026	9.08E-07

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ENSG00000133935	C14orf1	0.942794388	0.026860151
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ENSG00000155111	CDK19	0.942943243	0.000530699
ENSG00000198736	MSRB1	0.942972919	0.006533175
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ENSG00000157764	BRAF	0.943063007	0.013781592
ENSG00000183691	NOG	0.943065382	0.003654629
ENSG00000198353	HOXC4	0.94306777	0.041158837
ENSG00000105426	PTPRS	0.943090689	0.010481195
ENSG00000142655	PEX14	0.943100033	0.021232044
ENSG00000152700	SAR1B	0.943141922	5.21E-05
ENSG00000172936	MYD88	0.943150354	3.24E-05
ENSG00000099940	SNAP29	0.943171205	0.032242592
ENSG00000138663	COPS4	0.94319828	0.003208701
ENSG00000139636	LMBR1L	0.94320347	0.000143642
ENSG00000136918	WDR38	0.943272584	0.010604037
ENSG00000235863	B3GALT4	0.943276339	0.014732224
ENSG00000120992	LYPLA1	0.943296395	0.011119971
ENSG00000060971	ACAA1	0.943301131	0.010511498
ENSG00000198176	TFDP1	0.943308889	0.006365246
ENSG00000151148	UBE3B	0.94331902	0.004603979
ENSG00000154723	ATP5J	0.943323993	0.017644871
ENSG00000214944	ARHGEF28	0.943324549	0.000788403
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ENSG00000245680	ZNF585B	0.943346118	0.004866659
ENSG00000186834	HEXIM1	0.943385639	0.000751583
ENSG00000139651	ZNF740	0.943392819	1.93E-06
ENSG00000103642	LACTB	0.943422424	0.002999456
ENSG00000134438	RAX	0.943475859	0.008422767
ENSG00000112855	HARS2	0.943485652	2.32E-06
ENSG00000189132	FAM47B	0.94349426	2.25E-06
ENSG00000007923	DNAJC11	0.94352209	0.009502917
ENSG00000131096	PYY	0.943523705	0.009423068
ENSG00000167984	NLRC3	0.943535105	0.02693827
ENSG00000164050	PLXNB1	0.943543826	0.005511757
ENSG00000140505	CYP1A2	0.943582891	0.005565295
ENSG00000010322	NISCH	0.943587587	0.000211357
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ENSG00000181938	GINS3	0.943694946	0.02962844

ENSG00000155269	GPR78	0.943701748	0.00125466
ENSG00000164363	SLC6A18	0.943705032	0.001661899
ENSG00000186468	RPS23	0.943717227	7.92E-06
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ENSG00000221888	OR1C1	0.943741235	0.000152738
ENSG00000131779	PEX11B	0.943831339	3.04E-06
ENSG00000117153	KLHL12	0.943840519	0.000200409
ENSG00000163785	RYK	0.943870492	0.002323823
ENSG00000129250	KIF1C	0.943887093	0.011638261
ENSG00000204420	C6orf25	0.943906763	0.020841999
ENSG00000113916	BCL6	0.943914251	0.026674243
ENSG00000197444	OGDHL	0.943916445	0.02384574
ENSG00000152926	ZNF117	0.943921106	0.002901105
ENSG00000151239	TWF1	0.943937434	3.57E-05
ENSG00000005302	MSL3	0.943952701	1.57E-05
ENSG00000163704	PRRT3	0.943960537	0.010529882
ENSG00000100836	PABPN1	0.94397492	0.002297536
ENSG00000105514	RAB3D	0.943992899	0.008721745
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ENSG00000135605	TEC	0.944060626	0.001756974
ENSG00000164347	GFM2	0.944060864	0.001191871
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ENSG00000166200	COPS2	0.944268843	0.000390578
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ENSG00000152818	UTRN	0.944452396	0.002391494
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ENSG00000130695	CEP85	0.944471231	1.65E-05
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ENSG00000146013	GFRA3	0.944853302	0.002254115
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ENSG00000110871	COQ5	0.944992586	0.001683911
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ENSG00000119318	RAD23B	0.945070114	3.36E-06
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ENSG00000118096	IFT46	0.945078325	0.000244631
ENSG00000033327	GAB2	0.945087292	0.01006463
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ENSG00000157617	C2CD2	0.94513621	0.004087083
ENSG00000125741	OPA3	0.945137258	0.036452651
ENSG00000141404	GNAL	0.945161959	0.021296597
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ENSG00000197016	ZNF470	0.945172601	3.69E-05
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ENSG00000165621	OXGR1	0.945265285	0.000267692
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ENSG00000143252	SDHC	0.945281354	0.002993689
ENSG00000065320	NTN1	0.945322904	1.51E-06
ENSG00000253368	TRNP1	0.945326818	0.023113735
ENSG00000136436	CALCOCO2	0.945352977	0.000122055
ENSG00000116667	C1orf21	0.945360022	0.045779397
ENSG00000180616	SSTR2	0.9453712	0.000194759
ENSG00000034971	MYOC	0.945404524	0.000133814
ENSG00000128617	OPN1SW	0.945407961	0.037431659
ENSG00000168528	SERINC2	0.945438426	0.012287686
ENSG00000169126	ARMC4	0.945464555	0.01352881
ENSG00000167074	TEF	0.94549147	0.024557325
ENSG00000117400	MPL	0.945510262	0.01236832
ENSG00000188878	FBF1	0.945536162	8.44E-06
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ENSG00000166889	PATL1	0.945621789	7.64E-05
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ENSG00000167165	UGT1A6	0.945637858	0.014184927
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ENSG00000204178	TMEM57	0.945674762	0.048480406
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ENSG00000163820	FYCO1	0.94571609	3.14E-05
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ENSG00000186517	ARHGAP30	0.945722184	0.005966885
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ENSG00000170260	ZNF212	0.945759409	0.027232167
ENSG00000119013	NDUFB3	0.945771381	0.000684681
ENSG00000150712	MTMR12	0.945776657	0.010196849
ENSG00000179104	TMTC2	0.945801311	0.039983411
ENSG00000095261	PSMD5	0.945803175	0.000345266
ENSG00000135587	SMPD2	0.945818874	0.000355781
ENSG00000147416	ATP6V1B2	0.945831807	0.028168191
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ENSG00000144161	ZC3H8	0.945880728	0.008046425
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ENSG00000148925	BTBD10	0.945959981	0.001978653
ENSG00000147378	FATE1	0.94596206	0.00090845
ENSG00000185055	EFCAB10	0.945971752	0.003195165
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ENSG00000004478	FKBP4	0.946098256	0.014446614
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ENSG00000085832	EPS15	0.946381538	3.85E-06
ENSG00000100106	TRIOBP	0.946388299	0.003285123
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ENSG00000135604	STX11	0.946613619	0.008124626
ENSG00000091536	MYO15A	0.946646014	0.001091873
ENSG00000152104	PTPN14	0.946650407	0.013268342
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ENSG00000145331	TRMT10A	0.946776284	0.027871317
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ENSG00000101440	ASIP	0.94692978	0.043398766
ENSG00000100023	PPIL2	0.946967185	3.93E-06
ENSG00000101811	CSTF2	0.946974484	0.01469877
ENSG00000105767	CADM4	0.947008206	0.003272438
ENSG00000131398	KCNC3	0.947010663	0.01099269
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ENSG00000129968	ABHD17A	0.947022022	0.000447612
ENSG00000166529	ZSCAN21	0.9470354	0.012999404
ENSG00000136546	SCN7A	0.947049934	0.030687858
ENSG00000074695	LMAN1	0.947053997	0.001062554
ENSG00000184916	JAG2	0.947086093	0.03557172
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ENSG00000131408	NR1H2	0.947100197	0.006824699
ENSG00000128973	CLN6	0.947119359	0.002114524
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ENSG00000128602	SMO	0.947189661	0.008516237
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ENSG00000175806	MSRA	0.947311884	0.010500319
ENSG00000178307	TMEM11	0.947323196	0.011827452
ENSG00000175550	DRAP1	0.947323283	0.015069065
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ENSG00000105352	CEACAM4	0.947678559	5.30E-07
ENSG00000144857	BOC	0.947679112	1.23E-05
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ENSG00000115850	LCT	0.948027026	0.04201623
ENSG00000171033	PKIA	0.948029603	0.010576318
ENSG00000072133	RPS6KA6	0.948051713	0.016047804
ENSG00000177551	NHLH2	0.948060007	0.00927501
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ENSG00000256872	NOL12	0.948112581	0.027940428
ENSG00000169393	ELSPBP1	0.94814238	0.007848637
ENSG00000180011	ZADH2	0.948146291	0.003566998
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ENSG00000125533	BHLHE23	0.948152678	0.00361185
ENSG00000154035	C17orf103	0.948172841	0.001385596
ENSG00000091164	TXNL1	0.948191667	0.022412995
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ENSG00000168404	MLKL	0.948321867	0.002782473
ENSG00000212128	TAS2R13	0.948360824	0.006068895
ENSG00000102144	PGK1	0.948375567	0.008698798
ENSG00000121892	PDS5A	0.948378232	0.000540741
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ENSG00000187889	C1orf168	0.948428649	0.01472155
ENSG00000243489	KRTAP10-11	0.948466989	0.000552491
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ENSG00000184650	ODF4	0.948480858	6.27E-06
ENSG00000185432	METTL7A	0.948483996	0.030284589
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ENSG00000204195	AWAT1	0.9533755	0.000183575
ENSG00000185972	CCIN	0.953390248	0.030613695
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ENSG00000066230	SLC9A3	0.953392586	0.042100315
ENSG00000148143	ZNF462	0.95339756	0.014516834
ENSG00000102098	SCML2	0.953403397	0.01248981
ENSG00000093010	COMT	0.953430207	0.023956654
ENSG00000180205	WFDC9	0.953448482	4.49E-05
ENSG00000197079	KRT35	0.953455308	0.003902882
ENSG00000123066	MED13L	0.953524631	0.011962504
ENSG00000137806	NDUFAF1	0.953531279	0.047443786
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ENSG00000135413	LACRT	0.953618773	0.006287066
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ENSG00000169836	TACR3	0.95363702	0.015730096
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ENSG00000100347	SAMM50	0.953741254	0.003356886
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ENSG00000075043	KCNQ2	0.953771776	0.046695215
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ENSG00000170807	LMOD2	0.953778411	0.002547232
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ENSG00000095319	NUP188	0.953857465	0.004655606
ENSG00000066468	FGFR2	0.95386738	0.031070843
ENSG00000186891	TNFRSF18	0.953884209	0.00141078

ENSG00000165630	PRPF18	0.95389691	6.99E-05
ENSG00000010318	PHF7	0.953909773	7.60E-07
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ENSG00000204880	KRTAP4-8	0.953927246	0.024716921
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ENSG00000088832	FKBP1A	0.954028468	0.005431539
ENSG00000145723	GIN1	0.954037216	0.041226136
ENSG00000112599	GUCA1B	0.95407614	0.014470098
ENSG00000013583	HEBP1	0.954094148	0.04063122
ENSG00000137267	TUBB2A	0.954110097	0.038455624
ENSG00000100197	CYP2D6	0.954118447	0.031552071
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ENSG00000106144	CASP2	0.954943611	2.30E-06
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ENSG00000155329	ZCCHC10	0.954955686	0.010897585
ENSG00000012211	PRICKLE3	0.954986005	0.037779025
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ENSG00000159720	ATP6V0D1	0.955953646	0.014489562
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ENSG0000163206	SMCP	0.956398568	0.012857981
ENSG0000198271	KRTAP4-5	0.956399863	0.00632467
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ENSG0000139428	MMAB	0.956457594	0.000669698
ENSG0000182255	KCNA4	0.956462935	0.047208391
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ENSG00000099817	POLR2E	0.957596249	0.031630858
ENSG00000164896	FASTK	0.957606204	6.72E-05
ENSG00000182158	CREB3L2	0.957619869	0.000925466

ENSG00000125122	LRRC29	0.957620998	0.004170522
ENSG00000162227	TAF6L	0.957625968	0.009616729
ENSG00000078070	MCCC1	0.957641225	0.012972053
ENSG00000167680	SEMA6B	0.957650682	0.025124495
ENSG00000111361	EIF2B1	0.957653715	0.002472898
ENSG00000117533	VAMP4	0.957655724	0.013257641
ENSG00000166509	CLEC3A	0.957659723	0.000869406
ENSG00000269396	AC187652.1	0.957665794	0.012121577
ENSG00000113595	TRIM23	0.957666674	0.008255353
ENSG00000171282	RP11-1055B8.7	0.957671743	0.044011573
ENSG00000268344	AL138815.2	0.957680601	0.006856319
ENSG00000166311	SMPD1	0.957705214	0.004557552
ENSG00000133704	IPO8	0.95773417	0.014055415
ENSG00000074047	GLI2	0.957736635	0.023972109
ENSG00000143669	LYST	0.957741641	0.020798636
ENSG00000176463	SLCO3A1	0.957786543	0.041222026
ENSG00000198440	ZNF583	0.957808357	0.024667568
ENSG00000110025	SNX15	0.957818976	0.017450728
ENSG00000061492	WNT8A	0.957851075	0.000797905
ENSG00000133059	DSTYK	0.957851937	0.000766106
ENSG00000129347	KRI1	0.957852477	0.004745053
ENSG00000136457	CHAD	0.95785774	0.008103113
ENSG00000162076	FLYWCH2	0.957868495	0.004546715
ENSG00000119707	RBM25	0.957869263	0.002631566
ENSG00000121316	PLBD1	0.957881982	0.002709607
ENSG00000129219	PLD2	0.957889566	0.03353126
ENSG00000219481	NBPF1	0.957898088	0.002520215
ENSG00000187045	TMPRSS6	0.957910544	0.00149111
ENSG00000146457	WTAP	0.957913837	0.021147446
ENSG00000173163	COMMD1	0.957980864	0.015879898
ENSG00000119820	YIPF4	0.957994893	0.002138746
ENSG00000213760	ATP6V1G2	0.95799811	0.02603735
ENSG00000177889	UBE2N	0.958001218	0.000382383
ENSG00000156642	NPTN	0.958005517	3.32E-05
ENSG00000198898	CAPZA2	0.958007767	0.007742813
ENSG00000100813	ACIN1	0.958008881	0.00404849
ENSG00000058799	YIPF1	0.958016671	0.025327102
ENSG00000111275	ALDH2	0.958018165	0.00562315
ENSG00000174482	LINGO2	0.958022327	0.00760656
ENSG00000172830	SSH3	0.958024244	0.008927793
ENSG00000124782	RREB1	0.95804109	0.00703647
ENSG00000162592	CCDC27	0.958049667	0.001574485
ENSG00000105701	FKBP8	0.958056022	0.02161528
ENSG00000011201	KAL1	0.958060159	0.039489691
ENSG00000242498	C15orf38	0.958101957	0.004668648
ENSG00000175782	SLC35E3	0.958107366	0.020230526
ENSG00000147144	CCDC120	0.958125602	0.000112169

ENSG00000169282	KCNAB1	0.958171397	0.000231102
ENSG00000164938	TP53INP1	0.958173589	7.26E-05
ENSG00000184698	OR51M1	0.9581752	0.011999459
ENSG00000160471	COX6B2	0.95818256	0.02725048
ENSG00000198931	APRT	0.958188535	0.027448542
ENSG00000166148	AVPR1A	0.958189491	0.037100295
ENSG00000092330	TINF2	0.958192836	0.008985699
ENSG00000086159	AQP6	0.958219333	0.002016171
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ENSG00000165131	C7orf34	0.958249393	0.001496984
ENSG00000119599	DCAF4	0.95825446	0.008880393
ENSG00000005810	MYCBP2	0.958264503	0.012864147
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ENSG00000152942	RAD17	0.958278015	0.002847483
ENSG00000124615	MOCS1	0.958290425	0.001224816
ENSG00000127124	HIVEP3	0.958323769	0.000632464
ENSG00000096996	IL12RB1	0.958334223	0.040322089
ENSG00000204851	PNMAL2	0.95839952	0.003329907
ENSG00000147647	DPYS	0.958407477	0.00113743
ENSG00000163814	CDCP1	0.958438922	0.000650119
ENSG00000165553	NGB	0.958439922	0.030162015
ENSG00000072694	FCGR2B	0.958450197	0.006630588
ENSG00000073711	PPP2R3A	0.958474057	0.020323752
ENSG00000107731	UNC5B	0.958475174	0.015850325
ENSG00000171790	SLFNL1	0.958478574	0.000143041
ENSG00000174407	C20orf166	0.95850992	0.0092667
ENSG00000188613	NANOS1	0.958529404	0.005614876
ENSG00000104154	SLC30A4	0.958538339	0.035122933
ENSG00000158486	DNAH3	0.958548531	0.016580558
ENSG00000196428	TSC22D2	0.95855948	0.040183776
ENSG00000074319	TSG101	0.958564731	0.044336156
ENSG00000173040	EVC2	0.958580796	0.001699719
ENSG00000162510	MATN1	0.958604411	0.007896301
ENSG00000125447	GGA3	0.958678749	0.020251564
ENSG00000186104	CYP2R1	0.958679817	0.033108868
ENSG00000196850	PPTC7	0.958684556	7.81E-05
ENSG00000119946	CNNM1	0.958702045	0.003287762
ENSG00000205030	OR5L2	0.958716353	0.001456445
ENSG00000211785	TRAV12-1	0.958744863	0.004923471
ENSG00000108474	PIGL	0.958766365	0.011635484
ENSG00000215440	NPEPL1	0.958792051	0.02867474
ENSG00000162542	TMCO4	0.958813443	0.001225416
ENSG00000103160	HSDL1	0.958842407	0.006048602
ENSG00000115993	TRAK2	0.958853075	0.027371526
ENSG00000101188	NTSR1	0.958857785	0.021996384
ENSG00000100242	SUN2	0.958879843	0.009856672
ENSG00000185917	SETD4	0.958883067	0.000845986

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ENSG00000198719	DLL1	0.958938863	0.035496359
ENSG00000136709	WDR33	0.958939207	0.028308658
ENSG00000100650	SRSF5	0.95896207	0.012376856
ENSG00000197446	CYP2F1	0.958965728	0.040356184
ENSG00000099954	CECR2	0.958975513	0.000148772
ENSG00000130724	CHMP2A	0.958995205	0.000836407
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ENSG00000100154	TTC28	0.959075498	0.049548555
ENSG00000176619	LMNB2	0.959075796	0.043390296
ENSG00000023330	ALAS1	0.95908952	0.02288678
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ENSG00000157510	AFAP1L1	0.959104726	0.01908422
ENSG00000172232	AZU1	0.959132605	0.024698085
ENSG00000066739	ATG2B	0.95913825	0.000435354
ENSG00000173267	SNCG	0.959143238	0.038461628
ENSG00000120910	PPP3CC	0.959149716	0.000627825
ENSG00000070785	EIF2B3	0.959162152	0.012349628
ENSG00000204130	RUFY2	0.95916875	0.000299257
ENSG00000096092	TMEM14A	0.95919263	0.014895838
ENSG00000212724	KRTAP2-3	0.959200803	0.002351752
ENSG00000197063	MAFG	0.959204471	0.016806306
ENSG00000159495	TGM7	0.959210198	0.034841463
ENSG00000181781	ODF3L2	0.959245276	0.005319354
ENSG00000112425	EPM2A	0.959248219	0.038791882
ENSG00000159958	TNFRSF13C	0.959257083	0.01631528
ENSG00000136936	XPA	0.959267466	0.000968655
ENSG00000114942	EEF1B2	0.959275633	0.02405611
ENSG00000140521	POLG	0.959279449	0.007398129
ENSG00000159479	MED8	0.959280857	0.00557068
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ENSG00000009709	PAX7	0.959293431	0.042240406
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ENSG00000152315	KCNK13	0.959326608	0.001788999
ENSG00000179335	CLK3	0.95932771	0.00238567
ENSG00000188917	TRMT2B	0.959335775	0.013221917
ENSG00000122958	VPS26A	0.95933667	0.003798233
ENSG00000130595	TNNT3	0.959366948	0.006014485
ENSG00000101306	MYLK2	0.959367096	0.003292234
ENSG00000198925	ATG9A	0.959376791	0.014069769
ENSG00000182700	IGIP	0.959389907	0.024057978
ENSG00000189319	FAM53B	0.959394609	0.043667471
ENSG00000183484	GPR132	0.959403179	0.046512539
ENSG00000049768	FOXP3	0.959418451	0.048876216
ENSG00000084444	KIAA1467	0.959425315	0.014285755

ENSG00000130772	MED18	0.959426953	0.004423123
ENSG00000109606	DHX15	0.959437569	0.000640715
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ENSG00000112293	GPLD1	0.959458095	0.014348625
ENSG00000139531	SUOX	0.959485806	0.03036762
ENSG00000177679	SRRM3	0.959488882	0.000111876
ENSG00000143858	SYT2	0.959528964	0.013255821
ENSG00000102271	KLHL4	0.959534745	9.66E-05
ENSG00000179002	TAS1R2	0.959544947	0.002436352
ENSG00000121210	KIAA0922	0.959547275	0.049858086
ENSG00000197901	SLC22A6	0.959550745	0.014018272
ENSG00000197616	MYH6	0.959553349	0.004661922
ENSG00000151276	MAGI1	0.95955677	0.01567382
ENSG00000165669	FAM204A	0.95955877	0.039082203
ENSG00000089220	PEBP1	0.959568324	0.001085973
ENSG00000060749	QSER1	0.959578231	0.007853711
ENSG00000100346	CACNA1I	0.959584537	0.035595057
ENSG00000155545	MIER3	0.959586386	0.00438332
ENSG00000173464	RNASE11	0.959589199	0.000150456
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ENSG00000174306	ZHX3	0.959612596	0.02698456
ENSG00000064666	CNN2	0.959628608	0.043396463
ENSG00000132000	PODNL1	0.959649136	0.012056533
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ENSG00000164252	AGGF1	0.959654856	0.000393147
ENSG00000118245	TNP1	0.959682248	0.006317271
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ENSG00000100299	ARSA	0.959730514	0.049345091
ENSG00000100804	PSMB5	0.959762277	0.006866738
ENSG00000180098	TRNAU1AP	0.959776989	0.002297761
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ENSG00000101074	R3HDML	0.959802218	0.001656133
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ENSG00000158077	NLRP14	0.959848379	0.013059234
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ENSG00000206181	TCEB3B	0.959887143	0.005997613
ENSG00000163273	NPPC	0.959887774	0.016588104
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ENSG00000100246	DNAL4	0.959903547	0.008708679
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ENSG00000187605	TET3	0.959940124	0.000179606
ENSG00000197077	KIAA1671	0.959952772	8.14E-05
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ENSG00000131446	MGAT1	0.959956357	0.019150907

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ENSG00000100055	CYTH4	0.95998777	0.045335974
ENSG00000165887	ANKRD2	0.959991396	0.013810181
ENSG00000113492	AGXT2	0.960005196	0.022792051
ENSG00000185559	DLK1	0.960015455	0.01872151
ENSG00000145860	RNF145	0.960017681	0.018461035
ENSG00000188315	C3orf62	0.960025792	0.005979296
ENSG00000143761	ARF1	0.960057973	0.000358441
ENSG00000216921	AC131097.4	0.960096289	0.032701262
ENSG00000163900	TMEM41A	0.960096355	0.012099066
ENSG00000124194	GDAP1L1	0.960102993	0.046878359
ENSG00000184908	CLCNKB	0.9601252	0.020994809
ENSG00000116350	SRSF4	0.960140213	0.000401837
ENSG00000250733	C8orf17	0.960148624	0.043682703
ENSG00000173809	TDRD12	0.960190401	0.027056797
ENSG00000169057	MECP2	0.960208238	0.033013177
ENSG00000141644	MBD1	0.960213155	0.000722428
ENSG00000166619	BLCAP	0.960217967	0.012902289
ENSG00000071127	WDR1	0.960218129	0.029142148
ENSG00000114982	KANSL3	0.960225711	0.032002692
ENSG00000211452	DIO1	0.96022709	0.04912639
ENSG00000118702	GHRH	0.960228687	0.027965894
ENSG00000178498	DTX3	0.960229717	0.0156433
ENSG00000014123	UFL1	0.960257683	0.017574206
ENSG00000046647	GEMIN8	0.960260907	0.031670552
ENSG00000174326	SLC16A11	0.960264893	0.028967762
ENSG00000107957	SH3PXD2A	0.960281623	8.88E-06
ENSG00000159267	HLCS	0.960305925	0.002346412
ENSG00000173960	UBXN2A	0.960317989	0.029721295
ENSG00000140795	MYLK3	0.960332311	0.011955904
ENSG00000189433	GJB4	0.960334994	0.028886386
ENSG00000128463	EMC4	0.960341778	0.003948267
ENSG00000109424	UCP1	0.960352094	0.024145322
ENSG00000169714	CNBP	0.960357439	0.00026527
ENSG00000107447	DNTT	0.960358798	7.31E-05
ENSG00000174473	GALNTL6	0.960368861	0.046499634
ENSG00000248905	FMN1	0.960381624	0.005973142
ENSG00000166024	R3HCC1L	0.960382839	0.014540806
ENSG00000138439	FAM117B	0.960396029	0.00627726
ENSG00000108010	GLRX3	0.960404411	0.004220447
ENSG00000129355	CDKN2D	0.960406552	0.042252434
ENSG00000178636	RP11-455G16.1	0.960406585	0.016337014
ENSG00000116273	PHF13	0.960439606	0.004296027
ENSG00000176984	AP000679.2	0.960451358	0.028069406
ENSG00000053438	NNAT	0.960452991	0.008920185

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ENSG00000204305	AGER	0.960475499	0.003866411
ENSG00000163466	ARPC2	0.960476745	0.007484559
ENSG00000197646	PDCD1LG2	0.960539173	6.22E-05
ENSG00000181873	IBA57	0.960547825	0.024958154
ENSG00000116176	TPSG1	0.96054887	0.046390081
ENSG00000129933	MAU2	0.960549221	0.006715702
ENSG00000164305	CASP3	0.960578221	0.017384284
ENSG00000250571	GLI4	0.960578714	0.005306743
ENSG00000105954	NPVF	0.960579714	0.043945572
ENSG00000162631	NTNG1	0.960581025	0.005445171
ENSG00000197540	GZMM	0.960594189	0.017979685
ENSG00000115365	LANCL1	0.960600458	0.009536581
ENSG00000143772	ITPKB	0.960600965	0.000466184
ENSG00000125834	STK35	0.960602966	1.86E-05
ENSG00000164265	SCGB3A2	0.960603531	0.0096287
ENSG00000159588	CCDC17	0.960615203	0.006260554
ENSG00000198488	B3GNT6	0.96063681	0.020813063
ENSG00000167113	COQ4	0.960650054	0.018584152
ENSG00000186790	FOXE3	0.96067899	0.043627786
ENSG00000104388	RAB2A	0.960688247	0.001893709
ENSG00000154957	ZNF18	0.96071385	0.02622957
ENSG00000104866	PPP1R37	0.960727301	0.027657747
ENSG00000131508	UBE2D2	0.960732509	0.000772893
ENSG00000204193	TXNDC8	0.960756453	0.000701497
ENSG00000036530	CYP46A1	0.960764674	0.021256745
ENSG00000113558	SKP1	0.960790493	0.02886068
ENSG00000104904	OAZ1	0.960792382	0.000217732
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ENSG00000131849	ZNF132	0.96080372	0.024250833
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ENSG00000165495	PKNOX2	0.960840281	0.004608367
ENSG00000170271	FAXDC2	0.960863372	0.002549734
ENSG00000039123	SKIV2L2	0.960876799	0.012438345
ENSG00000015133	CCDC88C	0.960883999	0.037674977
ENSG00000251369	ZNF550	0.960887466	0.01782997
ENSG00000204304	PBX2	0.960905592	5.10E-05
ENSG00000101916	TLR8	0.960917876	0.043460929
ENSG00000148384	INPP5E	0.960920579	0.021984403
ENSG00000139187	KLRG1	0.960938702	0.028544484
ENSG00000171357	LURAP1	0.960939737	0.002260771
ENSG00000183726	TMEM50A	0.960946673	0.00077944
ENSG00000183780	SLC35F3	0.960949136	0.010895704
ENSG00000196811	CHRNA	0.960961543	0.016995141
ENSG00000143178	TBX19	0.960966035	0.0190451
ENSG00000123600	METTL8	0.960973076	0.008897541
ENSG00000139190	VAMP1	0.960973541	0.013302682

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ENSG00000124788	ATXN1	0.961034588	0.040238725
ENSG00000100614	PPM1A	0.961054862	0.047842214
ENSG00000161692	DBF4B	0.96113258	0.000772315
ENSG00000229972	IQCF3	0.961181116	0.000727995
ENSG00000099810	MTAP	0.961189014	0.00407979
ENSG00000007516	BAIAP3	0.961212565	0.045619333
ENSG00000101844	ATG4A	0.961221213	0.005329403
ENSG00000091592	NLRP1	0.961240823	0.03062446
ENSG00000156475	PPP2R2B	0.961244657	0.001679917
ENSG00000118972	FGF23	0.961251253	0.003468311
ENSG00000147124	ZNF41	0.961302994	0.035989793
ENSG00000116106	EPHA4	0.961303514	0.010361747
ENSG00000167447	SMG8	0.96130483	0.047443375
ENSG00000187240	DYNC2H1	0.9613085	0.005003541
ENSG00000188784	PLA2G2E	0.961323581	0.02879096
ENSG00000081148	IMPG2	0.961332661	0.03089304
ENSG00000171722	C1orf111	0.961337784	0.022480316
ENSG00000090316	MAEA	0.961345168	0.008131371
ENSG00000006695	COX10	0.961365826	0.009344443
ENSG00000007341	ST7L	0.961382354	0.010074835
ENSG00000117528	ABCD3	0.961407932	0.016453561
ENSG00000086598	TMED2	0.961410873	0.039621401
ENSG00000135766	EGLN1	0.961413142	0.009846283
ENSG00000121406	ZNF549	0.961426904	0.002752211
ENSG00000120051	CCDC147	0.961428039	6.65E-05
ENSG00000206561	COLQ	0.96142858	0.048934885
ENSG00000171596	NMUR1	0.96146957	0.04848825
ENSG00000164512	ANKRD55	0.961480741	0.029148568
ENSG00000142538	PTH2	0.961494873	0.000934717
ENSG00000126581	BECN1	0.961497145	0.033914017
ENSG00000140320	BAHD1	0.961523389	0.023152725
ENSG00000107643	MAPK8	0.961524234	0.025823268
ENSG00000124356	STAMPB	0.961534925	0.001481731
ENSG00000136805	FRRS1L	0.961544101	0.002811517
ENSG00000221826	PSG3	0.961554912	0.000586646
ENSG00000145832	SLC25A48	0.961560072	0.001210298
ENSG00000172150	OR1A2	0.961566903	0.043402248
ENSG00000214114	MYCBP	0.96157589	0.003155031
ENSG00000168778	TCTN2	0.961581445	0.006092219
ENSG00000066135	KDM4A	0.96158449	0.002413032
ENSG00000132975	GPR12	0.961587157	0.002016437
ENSG00000141096	DPEP3	0.961596518	0.00617836
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ENSG00000182348	ZNF804B	0.961603883	0.003456863
ENSG00000144589	STK11IP	0.961612191	0.017137862
ENSG00000033030	ZCCHC8	0.961633346	0.009472973

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ENSG00000103091	WDR59	0.961646744	0.008116647
ENSG00000203663	OR2L2	0.961655451	0.012023703
ENSG00000162374	ELAVL4	0.961686785	0.000787075
ENSG00000126262	FFAR2	0.961724502	0.021874652
ENSG00000163464	CXCR1	0.961735524	0.001015597
ENSG00000130590	SAMD10	0.961753632	0.000495866
ENSG00000154133	ROBO4	0.961774497	0.028217282
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ENSG00000179242	CDH4	0.961803087	0.036215193
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ENSG00000010244	ZNF207	0.961838474	0.037093603
ENSG00000214872	SMTNL1	0.961850394	0.005442853
ENSG00000080644	CHRNA3	0.961853905	1.30E-05
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ENSG00000187323	DCC	0.96189296	0.012895128
ENSG00000173627	APOBEC4	0.961899339	0.000239756
ENSG00000134987	WDR36	0.961900947	0.041521693
ENSG00000142698	C1orf94	0.96194995	0.010768231
ENSG00000165633	VSTM4	0.961956934	0.000450752
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ENSG00000169884	WNT10B	0.962015244	0.009655158
ENSG00000127318	IL22	0.962032079	0.024990374
ENSG00000171403	KRT9	0.96204502	0.042399142
ENSG00000179133	C10orf67	0.962045738	0.00030125
ENSG00000184349	EFNA5	0.962074045	0.027162252
ENSG00000131467	PSME3	0.962088168	0.045369798
ENSG00000135974	C2orf49	0.962090529	0.036766576
ENSG00000188379	IFNA2	0.962091661	0.021937437
ENSG00000168412	MTNR1A	0.962100373	0.010283875
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ENSG00000166743	ACSM1	0.962317525	0.013704669
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ENSG00000197122	SRC	0.963055674	0.00394094
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ENSG00000170486	KRT72	0.96331625	0.007995836
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ENSG00000181408	UTS2R	0.963761847	0.008049975
ENSG00000127527	EPS15L1	0.963769144	0.042313924
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ENSG00000173068	BNC2	0.964038101	0.017211769
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ENSG00000133055	MYBPH	0.965274913	0.048696757
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ENSG00000184276	DEFB108B	0.97007962	0.019117308
ENSG00000157933	SKI	0.970091503	0.005600922
ENSG00000107829	FBXW4	0.970107381	0.021485242
ENSG00000142233	NTN5	0.970113024	0.049867638
ENSG00000113946	CLDN16	0.970113711	0.007992629
ENSG00000183250	C21orf67	0.970131047	0.001903895
ENSG00000101079	NDRG3	0.970149007	0.033708947
ENSG00000185988	PLK5	0.970152971	0.005840333
ENSG00000130489	SCO2	0.970193071	0.00394605
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ENSG00000114742	WDR48	0.97020361	9.05E-05
ENSG00000164588	HCN1	0.970208996	0.001845165
ENSG00000076258	FMO4	0.970214827	0.034539991
ENSG00000111640	GAPDH	0.970226981	0.010838096
ENSG00000066382	MPPED2	0.97025876	0.020375481
ENSG00000158552	ZFAND2B	0.97027985	0.01915055
ENSG00000163885	CCDC37	0.97029385	0.049194995
ENSG00000166924	NYAP1	0.970307106	0.007526314
ENSG00000221870	TMEM257	0.970323087	0.036267917
ENSG00000133706	LARS	0.970324671	0.033739887
ENSG00000164325	TMEM174	0.97033035	0.00320303
ENSG00000141252	VPS53	0.970331312	0.006550452
ENSG00000176340	COX8A	0.970358866	0.004909118
ENSG00000132589	FLOT2	0.970359923	0.008169985
ENSG00000104941	RSPH6A	0.970376953	0.036285592
ENSG00000167971	CASKIN1	0.970395573	0.012510263
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ENSG00000103194	USP10	0.970473833	0.047784772
ENSG00000163915	C3orf65	0.970481581	0.00330427
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ENSG00000227059	ANHx	0.970493474	0.022428032
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ENSG00000162881	OXER1	0.970525789	0.00121775
ENSG00000116237	ICMT	0.970538326	0.000506729
ENSG00000103852	TTC23	0.970554693	0.031745233
ENSG00000160360	GPSM1	0.970556752	0.033132425
ENSG00000165125	TRPV6	0.970561739	0.025961182
ENSG00000198553	KCNRG	0.97057719	0.024645732
ENSG00000110786	PTPN5	0.970597247	0.009475311
ENSG00000147813	NAPRT1	0.97060042	0.012630314
ENSG00000182149	IST1	0.970630934	0.004946622
ENSG00000170855	TRIAP1	0.970650281	0.015142028
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ENSG00000088320	REM1	0.970743699	0.035170232
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ENSG00000142408	CACNG8	0.970828538	0.033100293
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ENSG00000161649	CD300LG	0.970885902	0.001061137
ENSG00000110851	PRDM4	0.970889896	0.042710187
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ENSG00000153827	TRIP12	0.970899274	0.020253367
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ENSG00000134160	TRPM1	0.971172219	0.001773268
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ENSG00000141040	ZNF287	0.971264209	0.02315222
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ENSG00000107882	SUFU	0.971296012	0.00237205
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ENSG00000052723	SIKE1	0.97137513	0.043263465
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ENSG00000159905	ZNF221	0.971466683	0.036656183
ENSG00000123643	SLC36A1	0.971468833	0.017577434
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ENSG00000204131	NHSL2	0.971605182	0.032349302
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ENSG00000184381	PLA2G6	0.971751116	0.029964406
ENSG00000110484	SCGB2A2	0.971758376	0.002282734

ENSG00000180483	DEFB119	0.971767169	0.003727218
ENSG00000132639	SNAP25	0.971768045	0.040690768
ENSG00000080166	DCT	0.9717702	0.038704163
ENSG00000197302	ZNF720	0.971772734	0.043840069
ENSG00000164007	CLDN19	0.971794978	0.008575415
ENSG00000197780	TAF13	0.971800162	0.022230045
ENSG00000125166	GOT2	0.971811664	0.01811046
ENSG00000227868	C1orf234	0.971846127	0.047688085
ENSG00000180016	OR1E1	0.971856244	0.024381723
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ENSG00000198650	TAT	0.972053233	0.030641149
ENSG00000091640	SPAG7	0.972081289	0.028119355
ENSG00000136861	CDK5RAP2	0.972097472	0.039957211
ENSG00000136925	TSTD2	0.972133971	0.039200695
ENSG00000053254	FOXN3	0.972137389	0.001323482
ENSG00000111676	ATN1	0.972172083	0.020017489
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ENSG00000173157	ADAMTS20	0.973381711	0.007415579
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ENSG00000163444	TMEM183A	0.974773429	0.009465695
ENSG00000106631	MYL7	0.974827709	0.037472728
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ENSG00000138286	FAM149B1	0.974891441	0.012541976
ENSG00000204231	RXRB	0.974936238	0.020476612
ENSG00000147432	CHRN3	0.974952915	0.016176
ENSG00000116678	LEPR	0.974969283	0.02764562
ENSG00000112273	HDGFL1	0.974980694	0.030597855
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ENSG00000177733	HNRNPA0	0.975019711	0.005680585
ENSG00000215788	TNFRSF25	0.975111664	0.04077279
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ENSG00000135407	AVIL	0.975117678	0.025327625
ENSG00000127804	METTL16	0.975179038	0.049653605
ENSG00000134830	C5AR2	0.975211159	0.014920045
ENSG00000171094	ALK	0.975212083	0.017541867
ENSG00000095981	KCNK16	0.975220226	0.028908792
ENSG00000110171	TRIM3	0.975312829	0.025171164
ENSG00000168802	CHTF8	0.975371955	0.021188418
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ENSG00000156574	NODAL	0.975437059	0.031408433
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ENSG00000203942	C10orf62	0.975503811	0.031906077
ENSG00000119698	PPP4R4	0.975535114	0.043176599
ENSG00000008735	MAPK8IP2	0.975548343	0.02907396
ENSG00000149295	DRD2	0.975569771	0.002473434
ENSG00000136848	DAB2IP	0.975574493	0.045647156
ENSG00000120279	MYCT1	0.975611526	0.02947098
ENSG00000122145	TBX22	0.975620333	0.039641935
ENSG00000167604	NFKBID	0.975656414	0.038249168
ENSG00000115423	DNAH6	0.975764313	0.000113947
ENSG00000149925	ALDOA	0.975801572	0.006441063
ENSG00000119669	IRF2BPL	0.975856847	0.045509967
ENSG00000184224	C11orf72	0.975858033	0.037517662
ENSG00000133020	MYH8	0.975859549	0.032354514
ENSG00000135973	GPR45	0.97592506	0.038833044
ENSG00000100413	POLR3H	0.975980309	0.008555972
ENSG00000180332	KCTD4	0.976042957	0.007140204
ENSG00000149177	PTPRJ	0.976053827	0.001771905

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ENSG00000186298	PPP1CC	0.976113864	0.015270511
ENSG00000196263	ZNF471	0.976240735	0.008087663
ENSG00000117036	ETV3	0.976262259	0.025530716
ENSG00000170616	SCRT1	0.976279237	0.027041344
ENSG00000068903	SIRT2	0.976287886	0.017883685
ENSG00000120457	KCNJ5	0.976304515	0.039446844
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ENSG00000176177	ENTHD1	1.02778428	0.009201117
ENSG00000136938	ANP32B	1.027829676	0.000635351
ENSG00000214556	C17orf98	1.027840895	0.036678147
ENSG00000168038	ULK4	1.027843121	0.00877677
ENSG00000083807	SLC27A5	1.027870197	0.021478131
ENSG00000067596	DHX8	1.027931945	0.012920622
ENSG00000156603	MED19	1.028000273	0.005084538
ENSG00000185523	C1orf227	1.028063992	0.010298045
ENSG00000081800	SLC13A1	1.028068496	0.016345572
ENSG00000146834	MEPCE	1.028089442	0.039769451
ENSG00000168621	GDNF	1.028100802	0.007056591
ENSG00000172809	RPL38	1.028148695	0.024085363
ENSG00000135097	MSI1	1.028160169	0.040387466
ENSG00000124383	MPHOSPH10	1.028252769	0.018014906
ENSG00000072042	RDH11	1.028272675	0.04878285
ENSG00000127418	FGFRL1	1.028284708	0.045662801
ENSG00000131389	SLC6A6	1.028287086	0.001933368
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ENSG00000134815	DHX34	1.028399006	0.010890435
ENSG00000088247	KHSRP	1.028407738	0.004576138
ENSG00000103599	IQCH	1.028441534	0.004714884
ENSG00000066044	ELAVL1	1.028485262	0.037475526
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ENSG00000163946	FAM208A	1.02855296	0.00157509
ENSG00000116198	CEP104	1.02858011	0.033702956
ENSG00000159199	ATP5G1	1.02861227	0.007584825
ENSG00000138735	PDE5A	1.028617065	0.015266772
ENSG00000160563	MED27	1.028627132	0.019372849
ENSG00000104825	NFKBIB	1.028675927	0.035658931
ENSG00000180626	ZNF594	1.028707632	0.002427484
ENSG00000124216	SNAI1	1.028719668	0.035591343
ENSG00000134490	TMEM241	1.028719963	0.0312841
ENSG00000117691	NENF	1.028782132	0.029213409
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ENSG00000183283	DAZAP2	1.028907072	0.037076602
ENSG00000176274	SLC25A53	1.028913895	0.03438086
ENSG00000174720	LARP7	1.028925374	0.042596899
ENSG00000169432	SCN9A	1.028945866	0.024899614
ENSG00000152683	SLC30A6	1.028981237	0.006986812
ENSG00000162944	RFTN2	1.028984308	0.015409551
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ENSG00000127452	FBXL12	1.029138535	0.000845267
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ENSG00000141499	WRAP53	1.032243802	0.026933299
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ENSG00000181135	ZNF707	1.033218893	0.011309541
ENSG00000161544	CYGB	1.033240008	0.007047824
ENSG00000100802	C14orf93	1.033253843	0.016148068

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ENSG00000157600	TMEM164	1.033650179	0.035369894
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ENSG00000130299	GTPBP3	1.034146535	0.015482433
ENSG00000168273	SMIM4	1.034177291	0.038097398
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ENSG00000181092	ADIPOQ	1.034219324	0.007665586
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ENSG00000168827	GFM1	1.034445877	0.035118543
ENSG00000137218	FRS3	1.034509943	0.01526536
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ENSG00000126217	MCF2L	1.034522591	0.000533935
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ENSG00000136933	RABEPK	1.034611635	0.012381107
ENSG00000143140	GJA5	1.034629503	0.022537022
ENSG00000144224	UBXN4	1.034637297	0.006300844
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ENSG00000125818	PSMF1	1.034835372	0.017179118
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ENSG00000120314	WDR55	1.035920871	0.010965142
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ENSG00000183605	SFXN4	1.035989603	0.012401736
ENSG00000169976	SF3B5	1.035990437	0.030393755
ENSG00000159307	SCUBE1	1.036007622	0.029503521
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ENSG00000184432	COPB2	1.036038074	0.008002741
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ENSG00000068323	TFE3	1.036047333	0.000239793
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ENSG00000163746	PLSCR2	1.036430959	0.016022353
ENSG00000198522	GPN1	1.036448283	0.029682157
ENSG00000154529	CNTNAP3B	1.036456655	0.010810524
ENSG00000148399	DPH7	1.036497701	0.037900544
ENSG00000108784	NAGLU	1.036504938	0.047644595
ENSG00000101182	PSMA7	1.036509788	0.007989978

ENSG00000101160	CTSZ	1.036545049	0.0242735
ENSG00000136827	TOR1A	1.036550256	0.006959816
ENSG00000213077	FAM106A	1.036570945	0.03222158
ENSG00000099331	MYO9B	1.036576827	0.00069474
ENSG00000143933	CALM2	1.036581416	1.35E-06
ENSG00000170959	DCDC1	1.036595271	0.02800388
ENSG00000165084	C8orf34	1.036626452	0.016392542
ENSG00000115042	FAHD2A	1.036637536	0.00092312
ENSG00000196814	MVB12B	1.036646621	0.001099956
ENSG00000120798	NR2C1	1.036648139	0.033524943
ENSG00000051382	PIK3CB	1.036651024	0.038142209
ENSG00000160050	CCDC28B	1.036656307	0.04371847
ENSG00000115339	GALNT3	1.036688375	0.00883468
ENSG00000007047	MARK4	1.036727774	0.004912884
ENSG00000169410	PTPN9	1.036736478	0.003031763
ENSG00000155506	LARP1	1.036760324	0.012988164
ENSG00000138413	IDH1	1.036804134	0.022862437
ENSG00000089053	ANAPC5	1.036808085	0.001747436
ENSG00000065000	AP3D1	1.036827414	0.005782053
ENSG00000122507	BBS9	1.036837061	0.03700622
ENSG00000152022	LIX1L	1.036842514	0.010131761
ENSG00000126733	DACH2	1.036845953	0.023115058
ENSG00000167037	SGSM1	1.03684624	0.017333035
ENSG00000159202	UBE2Z	1.036908708	0.006935438
ENSG00000140718	FTO	1.03703278	0.000603928
ENSG00000107521	HPS1	1.037114818	0.00010792
ENSG00000142556	ZNF614	1.037117825	0.042714836
ENSG00000162267	ITIH3	1.037123518	0.04942509
ENSG00000142330	CAPN10	1.037173427	0.009451255
ENSG00000132254	ARFIP2	1.037210906	0.045205746
ENSG00000174915	PTDSS2	1.037239617	0.029440227
ENSG00000175832	ETV4	1.037288113	0.009409351
ENSG00000189114	BLOC1S3	1.037312969	0.004167259
ENSG00000166295	ANAPC16	1.037329067	0.000624656
ENSG00000176386	CDC26	1.037336773	0.031080295
ENSG00000171148	TADA3	1.037340724	0.003217104
ENSG00000169136	ATF5	1.037342357	0.007570687
ENSG00000136986	DERL1	1.037349136	0.034180782
ENSG00000267855	NDUFA7	1.037418326	0.034955378
ENSG00000061936	SFSWAP	1.037457066	0.005188065
ENSG00000129515	SNX6	1.037468418	0.031139593
ENSG00000163424	C3orf30	1.03754608	0.018034675
ENSG00000163492	CCDC141	1.037573555	0.018344149
ENSG00000128699	ORMDL1	1.037684861	0.016385938
ENSG00000113600	C9	1.037734509	0.022203619
ENSG00000133265	HSPBP1	1.037741661	0.037694711
ENSG00000188107	EYS	1.037765178	0.021608868

ENSG00000150636	CCDC102B	1.037767612	0.028679694
ENSG00000172943	PHF8	1.037831156	0.023926282
ENSG00000110076	NRXN2	1.037843701	0.017528302
ENSG00000154153	FAM134B	1.03786848	0.022957395
ENSG00000008130	NADK	1.037869603	0.003495731
ENSG00000092010	PSME1	1.037878339	0.004654903
ENSG00000241058	NSUN6	1.037915985	0.040709069
ENSG00000141367	CLTC	1.037943276	0.048355581
ENSG00000204669	C9orf57	1.037948443	0.032386738
ENSG00000198874	TYW1	1.037955366	0.042317014
ENSG00000115233	PSMD14	1.037964278	0.00488922
ENSG00000145495	6-Mar	1.038013747	0.004020486
ENSG00000125944	HNRNPR	1.038045027	0.002052674
ENSG00000135454	B4GALNT1	1.038056487	0.0009679
ENSG00000189403	HMGB1	1.038090364	0.000180071
ENSG00000084073	ZMPSTE24	1.038092963	0.01256648
ENSG00000138867	GUCD1	1.038159863	0.037894553
ENSG00000165105	RASEF	1.038186888	0.020291513
ENSG00000116957	TBCE	1.03820543	0.045474013
ENSG00000116521	SCAMP3	1.038221308	0.008758888
ENSG00000150316	CWC15	1.038247463	0.029495332
ENSG00000122420	PTGFR	1.038248674	0.004849149
ENSG00000143751	SDE2	1.038333847	0.027630992
ENSG00000165724	ZMYND19	1.038360576	0.01041295
ENSG00000159216	RUNX1	1.038395804	0.003773657
ENSG00000117020	AKT3	1.038406958	0.008011299
ENSG00000115252	PDE1A	1.038458861	0.001763206
ENSG00000205937	RNPS1	1.038468872	0.030157078
ENSG00000183914	DNAH2	1.038486228	0.034122678
ENSG00000213024	NUP62	1.038494849	0.001124243
ENSG00000132591	ERAL1	1.03851121	0.04500891
ENSG00000181450	ZNF678	1.038550471	0.000473278
ENSG00000186908	ZDHC17	1.038580385	0.029089241
ENSG00000132661	NXT1	1.038591956	0.048953265
ENSG00000185250	PPIL6	1.038593467	0.018494699
ENSG00000135778	NTPCR	1.038611599	0.010467078
ENSG00000124786	SLC35B3	1.038616539	0.001930987
ENSG00000138085	ATRAID	1.038666076	0.001241217
ENSG00000099901	RANBP1	1.038667368	0.005205491
ENSG00000196290	NIF3L1	1.038674501	0.000900091
ENSG00000101363	MANBAL	1.038710104	0.005877925
ENSG00000100591	AHSA1	1.038723461	0.03229419
ENSG00000163608	C3orf17	1.038782414	0.000658461
ENSG00000236624	CCDC163P	1.038807846	0.001470909
ENSG00000041988	THAP3	1.038833705	0.003477421
ENSG00000172500	FIBP	1.038839814	0.012936647
ENSG00000100029	PES1	1.038903581	0.017126532

ENSG00000132879	FBXO44	1.038951787	0.031610204
ENSG00000188428	BLOC1S5	1.038977404	0.004233602
ENSG00000104312	RIPK2	1.038982391	0.01501126
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ENSG00000102871	TRADD	1.039013647	0.002428353
ENSG00000020129	NCDN	1.039025801	2.89E-05
ENSG00000163913	IFT122	1.039025901	0.023469672
ENSG00000167157	PRRX2	1.039051666	0.010823684
ENSG00000178921	PFAS	1.039069579	0.045096771
ENSG00000012061	ERCC1	1.039086175	0.008615301
ENSG00000119121	TRPM6	1.039123206	0.035099467
ENSG00000103540	CCP110	1.03913866	0.009677997
ENSG00000154229	PRKCA	1.039156012	0.016983899
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ENSG00000113328	CCNG1	1.039378897	0.027689187
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ENSG00000132702	HAPLN2	1.039393337	0.002925554
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ENSG00000130520	LSM4	1.039480824	0.045535813
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ENSG00000139641	ESYT1	1.0395729	0.015992862
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ENSG00000162999	DUSP19	1.039619606	0.0034628
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ENSG00000120509	PDZD11	1.039702541	0.01895766
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ENSG00000067369	TP53BP1	1.039776331	0.004633211
ENSG00000181915	ADO	1.03977657	0.022871095
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ENSG00000099985	OSM	1.039859162	0.019547827

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ENSG00000106086	PLEKHA8	1.039912598	0.000215738
ENSG00000070444	MNT	1.039933401	0.001507163
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ENSG00000124193	SRSF6	1.039936387	0.033775826
ENSG00000131174	COX7B	1.039937721	0.033081495
ENSG00000118655	DCLRE1B	1.039943702	0.043432835
ENSG00000166188	ZNF319	1.039951628	0.017397042
ENSG00000151338	MIPOL1	1.0399786	0.014390832
ENSG00000067334	DNTTIP2	1.03998129	0.001378561
ENSG00000124508	BTN2A2	1.039986689	0.002181193
ENSG00000174791	RIN1	1.039990515	0.04224134
ENSG00000156194	PPEF2	1.03999628	0.03065554
ENSG00000177600	RPLP2	1.040056991	0.001975077
ENSG00000104973	MED25	1.040075398	0.035774985
ENSG00000123562	MORF4L2	1.040076449	0.011923019
ENSG00000005421	PON1	1.040092774	0.046389404
ENSG00000144130	NT5DC4	1.040106753	0.03492852
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ENSG00000111231	GPN3	1.040196018	0.040248003
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ENSG00000136937	NCBP1	1.040351073	0.012731074
ENSG00000184924	PTRHD1	1.040379492	0.019021288
ENSG00000077312	SNRPA	1.040383271	0.043086618
ENSG00000213865	C8orf44	1.040390725	0.038370116
ENSG00000137674	MMP20	1.040403432	0.009452658
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ENSG00000159322	ADPGK	1.04043964	0.008004778
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ENSG00000128626	MRPS12	1.040463245	0.000138033
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ENSG00000168264	IRF2BP2	1.04054448	0.000270623
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ENSG00000131115	ZNF227	1.040595221	0.02959889
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ENSG00000138297	TIMM23	1.040648818	0.00291847
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ENSG00000159352	PSMD4	1.04068709	0.004892945
ENSG00000138182	KIF20B	1.040698496	0.045366202
ENSG00000120158	RCL1	1.040700921	0.012123689
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ENSG00000137337	MDC1	1.040727049	0.034843265
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ENSG00000128713	HOXD11	1.040779942	0.005015392
ENSG00000089006	SNX5	1.040802352	0.048589249
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ENSG00000198822	GRM3	1.040817604	0.027548978
ENSG00000167562	ZNF701	1.040848181	0.028556597
ENSG00000132950	ZMYM5	1.040853698	0.034356234
ENSG00000130762	ARHGEF16	1.040878577	0.027859513
ENSG00000129315	CCNT1	1.040878998	0.018350798
ENSG00000153066	TXNDC11	1.040911484	0.044210986
ENSG00000167280	ENGASE	1.040930454	0.028165748
ENSG00000070761	C16orf80	1.040952073	0.000609733
ENSG00000171316	CHD7	1.040959681	0.001453381
ENSG00000254726	MEX3A	1.040965023	0.002671122
ENSG00000112782	CLIC5	1.040986306	0.003349577
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ENSG00000133275	CSNK1G2	1.041024658	0.002476495
ENSG00000138315	OIT3	1.041094918	0.015947834
ENSG00000242612	DECR2	1.041177052	0.049785224
ENSG00000152689	RASGRP3	1.041179207	0.034788199
ENSG00000121741	ZMYM2	1.04118209	0.007348129
ENSG00000079689	SCGN	1.041202114	0.041587129
ENSG00000204308	RNF5	1.041249971	0.008234919
ENSG00000134283	PPHLN1	1.041263617	0.003835826
ENSG00000137474	MYO7A	1.041276616	0.004407285
ENSG00000136152	COG3	1.041279857	0.040477729
ENSG00000065060	UHRF1BP1	1.041303758	0.003622074
ENSG00000125482	TTF1	1.041319679	0.031203184
ENSG00000198171	DDRGK1	1.041321278	0.018639348
ENSG00000171735	CAMTA1	1.04133216	0.001705468
ENSG00000182670	TTC3	1.041344887	0.025837774
ENSG00000019991	HGF	1.041351648	4.46E-06
ENSG00000087087	SRRT	1.041363784	0.016669386
ENSG00000177468	OLIG3	1.041373011	0.00047365
ENSG00000170537	TMC7	1.041442544	0.010483208
ENSG00000114030	KPNA1	1.041449937	0.005730586
ENSG00000139218	SCAF11	1.041451153	0.000995829
ENSG00000116138	DNAJC16	1.041481969	0.000871258
ENSG00000166126	AMN	1.041506175	0.000905834

ENSG00000162949	CAPN13	1.041510058	0.018083898
ENSG00000166710	B2M	1.041547691	0.009031894
ENSG00000164307	ERAP1	1.041561835	0.029678601
ENSG00000165238	WNK2	1.041564066	0.001261459
ENSG00000111605	CPSF6	1.041564862	0.018861373
ENSG00000137547	MRPL15	1.04157015	0.039810531
ENSG00000254901	MEF2BNB	1.041578232	0.002938787
ENSG00000059573	ALDH18A1	1.041581298	0.011033395
ENSG00000147789	ZNF7	1.041590434	1.86E-07
ENSG00000101181	MTG2	1.041614258	0.030640889
ENSG00000100934	SEC23A	1.041623845	0.029541445
ENSG00000111837	MAK	1.041626545	0.003200761
ENSG00000113555	PCDH12	1.041678423	0.000648465
ENSG00000179912	R3HDM2	1.041693237	0.004305636
ENSG00000123737	EXOSC9	1.041729724	0.009684203
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ENSG00000143436	MRPL9	1.041795974	0.022986668
ENSG00000113719	ERGIC1	1.041836559	0.002923907
ENSG00000125827	TMX4	1.041846219	0.028391588
ENSG00000179195	ZNF664	1.041855169	0.007093204
ENSG00000177383	MAGEF1	1.041862558	0.022264887
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ENSG00000167397	VKORC1	1.041920528	0.006140351
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ENSG00000089159	PXN	1.042038439	0.001939225
ENSG00000172889	EGFL7	1.042095501	0.022083055
ENSG00000117481	NSUN4	1.042107944	3.12E-05
ENSG00000129158	SERGEF	1.042109499	0.001339259
ENSG00000124532	MRS2	1.042220657	0.040068436
ENSG00000117569	PTBP2	1.04225613	0.009296946
ENSG00000170906	NDUFA3	1.042298677	0.000472752
ENSG00000181264	TMEM136	1.042328948	0.004985448
ENSG00000177989	ODF3B	1.042340825	0.011251588
ENSG00000066654	THUMPD1	1.042366747	0.008386206
ENSG00000149136	SSRP1	1.042368676	0.001743014
ENSG00000105612	DNASE2	1.042385574	0.019809034
ENSG00000217128	FNIP1	1.042389484	0.003803193
ENSG00000183019	C19orf59	1.042418399	0.021961203
ENSG00000181852	RNF41	1.042441126	0.001287366
ENSG00000076924	XAB2	1.042444439	0.013440844
ENSG00000198626	RYR2	1.042500957	0.007473396
ENSG00000174628	IQCK	1.042507311	0.009198245
ENSG00000079387	SENP1	1.042515149	0.006158097
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ENSG00000106266	SNX8	1.042526126	0.008980496
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ENSG00000124570	SERPINB6	1.042703547	0.02101647
ENSG00000132749	MTL5	1.042703939	0.007024857
ENSG00000124243	BCAS4	1.042705215	0.002320432
ENSG00000135940	COX5B	1.042714254	0.000139716
ENSG00000113407	TARS	1.042757807	0.041831626
ENSG00000179950	PUF60	1.042793864	0.012831831
ENSG00000176204	LRRTM4	1.042803724	0.001324029
ENSG00000166548	TK2	1.042821626	0.02424721
ENSG00000113387	SUB1	1.042824891	0.020345162
ENSG00000126106	TMEM53	1.042825523	0.032225499
ENSG00000116161	CACYBP	1.042842119	0.019356731
ENSG00000168246	UBTD2	1.042904668	0.000929223
ENSG00000159140	SON	1.042915512	1.32E-05
ENSG00000169925	BRD3	1.04293698	0.00156129
ENSG00000115486	GGCX	1.042978647	0.022251451
ENSG00000198912	C1orf174	1.042998809	0.000862871
ENSG00000089057	SLC23A2	1.043015011	0.016837276
ENSG00000130731	C16orf13	1.043045244	7.41E-05
ENSG00000136068	FLNB	1.043045427	0.030817888
ENSG00000135108	FBXO21	1.043045494	0.00218308
ENSG00000187772	LIN28B	1.043053969	0.022302256
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ENSG00000204220	PFDN6	1.043083712	0.018114988
ENSG00000166685	COG1	1.04310276	0.000166677
ENSG00000149541	B3GAT3	1.043107125	0.043377408
ENSG00000115761	NOL10	1.043111175	0.000119338
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ENSG00000111331	OAS3	1.043179546	0.03308927
ENSG00000168758	SEMA4C	1.043189138	0.012268917
ENSG00000176208	ATAD5	1.043190446	0.027121606
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ENSG00000077150	NFKB2	1.043267959	0.018202093
ENSG00000110711	AIP	1.043277286	0.029662836
ENSG00000068654	POLR1A	1.043278292	0.001279735
ENSG00000189306	RRP7A	1.043319425	0.041320097
ENSG00000198301	SDAD1	1.043337175	0.02327037
ENSG00000101276	SLC52A3	1.043357119	0.010388446
ENSG00000188647	PTAR1	1.04336836	0.044901052
ENSG00000204310	AGPAT1	1.043371207	0.016551767
ENSG00000089063	TMEM230	1.043429237	0.012792258
ENSG00000173726	TOMM20	1.043460242	0.000250973
ENSG00000186564	FOXD2	1.043465601	0.029529831
ENSG00000028310	BRD9	1.043473519	0.008460785
ENSG00000169756	LIMS1	1.04347526	0.002763

ENSG00000176853	FAM91A1	1.043493836	0.007081359
ENSG00000204086	RPA4	1.043522285	0.047842274
ENSG00000079134	THOC1	1.04353731	0.01710972
ENSG00000117614	SYF2	1.04353807	0.000185147
ENSG00000205858	LRRC72	1.04354094	0.036654663
ENSG00000117620	SLC35A3	1.043548191	0.021400571
ENSG00000089154	GCN1L1	1.043664938	0.024160063
ENSG00000131386	GALNT15	1.043679611	0.013927519
ENSG00000073803	MAP3K13	1.043717107	0.000654892
ENSG00000120318	ARAP3	1.043731193	0.033758845
ENSG00000158050	DUSP2	1.043751047	0.040542829
ENSG00000148219	ASTN2	1.04377344	0.008395288
ENSG00000159915	ZNF233	1.043859201	0.006755479
ENSG00000108559	NUP88	1.043885829	0.004556861
ENSG00000198369	SPRED2	1.043899054	4.10E-05
ENSG00000109917	ZNF259	1.043901754	0.025447533
ENSG00000091262	ABCC6	1.043932696	0.021249355
ENSG00000172260	NEGR1	1.043957122	0.017415328
ENSG00000110514	MADD	1.043960489	0.005850811
ENSG00000256073	C21orf119	1.043967462	0.010684905
ENSG00000065457	ADAT1	1.043985237	0.040483477
ENSG00000104884	ERCC2	1.044002127	0.000411616
ENSG00000144567	FAM134A	1.044008212	0.000143191
ENSG00000143543	JTB	1.044016398	0.003694475
ENSG00000065882	TBC1D1	1.044045719	0.015388321
ENSG00000166226	CCT2	1.044048372	0.017503007
ENSG00000197785	ATAD3A	1.044091535	0.003839876
ENSG00000123999	INHA	1.044100479	0.021132038
ENSG00000173230	GOLGB1	1.044106596	1.84E-05
ENSG00000172336	POP7	1.044124244	0.04241496
ENSG00000085224	ATRX	1.044132939	0.00416244
ENSG00000188747	NOXA1	1.044164649	0.019301219
ENSG00000145384	FABP2	1.0441738	0.037468366
ENSG00000115944	COX7A2L	1.04418775	0.016878297
ENSG00000198783	ZNF830	1.044189383	0.016663839
ENSG00000071889	FAM3A	1.04427844	0.020390524
ENSG00000165355	FBXO33	1.044344216	0.042971547
ENSG00000172725	CORO1B	1.044348465	0.031903168
ENSG00000232112	TMA7	1.044353073	8.54E-07
ENSG00000110237	ARHGEF17	1.044359105	0.006411396
ENSG00000150403	TMCO3	1.044382271	0.021025638
ENSG00000198131	ZNF544	1.04440807	0.022612032
ENSG00000142751	GPN2	1.044435295	0.013055173
ENSG00000169087	HSPBAP1	1.044466501	0.043749359
ENSG00000164941	INTS8	1.044467263	0.009653279
ENSG00000174231	PRPF8	1.044478218	0.016434164
ENSG00000181192	DHTKD1	1.044486459	0.00538881

ENSG00000010030	ETV7	1.044501703	0.038401347
ENSG00000085998	POMGNT1	1.044509162	0.047706033
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ENSG00000054967	RELT	1.044543314	0.036540004
ENSG00000126653	NSRP1	1.044565643	0.00332281
ENSG00000152404	CWF19L2	1.044590925	0.007721965
ENSG00000123570	RAB9B	1.044631014	0.016958953
ENSG00000182934	SRPR	1.044636431	0.002329776
ENSG00000171853	TRAPPC12	1.044669574	0.012044438
ENSG00000109536	FRG1	1.044678357	0.00678573
ENSG00000197181	PIWIL2	1.044698822	0.032756865
ENSG00000163399	ATP1A1	1.044708733	0.049585843
ENSG00000189180	ZNF33A	1.044712616	0.036179242
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ENSG00000146399	TAAR1	1.044721913	0.047120673
ENSG00000167118	URM1	1.044724748	0.000561612
ENSG00000143379	SETDB1	1.044730384	0.000190452
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ENSG00000196453	ZNF777	1.04478841	4.32E-06
ENSG00000187017	ESPN	1.044799577	0.012010529
ENSG00000166263	STXBP4	1.04480451	1.12E-05
ENSG00000187742	SECISBP2	1.044815259	0.038559118
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ENSG00000164736	SOX17	1.044835763	0.008186259
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ENSG00000242950	ERVW-1	1.044882516	0.001444372
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ENSG00000123810	B9D2	1.044969551	0.001524884
ENSG00000123685	BATF3	1.044990464	0.0051889
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ENSG00000142178	SIK1	1.045100625	0.011352379
ENSG00000101557	USP14	1.04516299	0.004983613
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ENSG00000115604	IL18R1	1.045195702	0.031720366
ENSG00000116754	SRSF11	1.04524402	0.008940508
ENSG00000093217	XYLB	1.045284819	0.002876602
ENSG00000103249	CLCN7	1.045302469	0.025599725
ENSG00000167674	HDGFRP2	1.04536622	4.99E-05
ENSG00000145555	MYO10	1.045371219	0.032952412

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ENSG00000139343	SNRPF	1.045492451	0.004105941
ENSG00000138792	ENPEP	1.045603886	0.004024522
ENSG00000188243	COMMD6	1.045613745	0.006828658
ENSG00000169504	CLIC4	1.0456203	0.021413584
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ENSG00000183542	KLRC4	1.045647449	0.017082229
ENSG00000196504	PRPF40A	1.045658561	0.000148555
ENSG00000174111	SOCS7	1.04566669	0.024548839
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ENSG00000164136	IL15	1.045740101	0.01523524
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ENSG00000167487	KLHL26	1.045757532	0.018214185
ENSG00000108587	GOSR1	1.045812429	0.024116979
ENSG00000113621	TXNDC15	1.045848981	0.006618876
ENSG00000121964	GTDC1	1.045853053	8.37E-05
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ENSG00000159110	IFNAR2	1.045878353	0.019308558
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ENSG00000112514	CUTA	1.045979915	0.010020134
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ENSG00000177764	ZCCHC3	1.046122799	0.000355028
ENSG00000165775	FUNDC2	1.046130567	0.000526476
ENSG00000104320	NBN	1.046152446	0.02139775
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ENSG00000143179	UCK2	1.046312016	0.043608025
ENSG00000175216	CKAP5	1.046326913	0.006193407

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ENSG00000134905	CARS2	1.046402882	0.018462213
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ENSG00000185825	BCAP31	1.04641817	0.006294813
ENSG00000172828	CES3	1.046483916	0.031420216
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ENSG00000117360	PRPF3	1.046514866	0.014596642
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ENSG00000175467	SART1	1.046709663	0.0055644
ENSG00000142687	KIAA0319L	1.046721509	0.001301285
ENSG00000164978	NUDT2	1.046744549	0.032651175
ENSG00000196358	NTNG2	1.046752426	0.009558611
ENSG00000008324	SS18L2	1.046777456	4.91E-05
ENSG00000175354	PTPN2	1.04682529	0.042867516
ENSG00000163002	NUP35	1.046836617	0.016447537
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ENSG00000149633	KIAA1755	1.046853159	0.007113238
ENSG00000140688	C16orf58	1.046927445	0.003231028
ENSG00000163479	SSR2	1.04693082	0.007567889
ENSG00000166391	MOGAT2	1.046980612	0.045710278
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ENSG00000141002	TCF25	1.047022644	0.014576419
ENSG00000107371	EXOSC3	1.047068348	0.0057946
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ENSG00000085978	ATG16L1	1.047120285	0.005061989
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ENSG00000253719	ATXN7L3B	1.047194136	0.021446371
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ENSG00000136877	FPGS	1.047224458	0.00094544
ENSG00000174099	MSRB3	1.047300271	0.021770313
ENSG00000041880	PARP3	1.04730235	0.037222733
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ENSG00000105063	PPP6R1	1.047370172	0.000533588
ENSG00000130511	SSBP4	1.047373545	0.001968396
ENSG00000125877	ITPA	1.047402328	0.006114606
ENSG00000082516	GEMIN5	1.047431622	0.046603838
ENSG00000151348	EXT2	1.047438943	0.024477354
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ENSG00000137672	TRPC6	1.047488174	0.001470497
ENSG00000137731	FXD2	1.047494412	0.023676116
ENSG00000183597	TANGO2	1.0475019	0.001906374
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ENSG00000033867	SLC4A7	1.047508092	0.005594062
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ENSG00000122515	ZMIZ2	1.047514725	0.014305845
ENSG00000126254	RBM42	1.047527517	0.02013967
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ENSG00000130702	LAMA5	1.047603473	0.030830673
ENSG00000112081	SRSF3	1.047608307	0.045670647
ENSG00000121068	TBX2	1.047612371	0.001084212
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ENSG00000177954	RPS27	1.047674053	0.000214386
ENSG00000056661	PCGF2	1.047687752	0.006975066
ENSG00000128829	EIF2AK4	1.047687771	0.047433909
ENSG00000131778	CHD1L	1.047696904	0.020532635
ENSG00000166073	GPR176	1.047708092	0.001425839
ENSG00000010165	METTL13	1.047762142	0.013071665
ENSG00000168701	TMEM208	1.047763249	0.033934288
ENSG00000134864	GGACT	1.04776725	0.000407614
ENSG00000198331	HYLS1	1.047771462	0.023510096
ENSG00000172732	MUS81	1.047775308	0.015144314
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ENSG00000184216	IRAK1	1.047790137	0.043210232
ENSG00000127191	TRAF2	1.047804498	0.005971645
ENSG00000125967	NECAB3	1.047818443	0.000297779
ENSG00000172171	TEFM	1.047825077	0.013491854
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ENSG00000095794	CREM	1.047932309	0.001318019
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ENSG00000067113	PPAP2A	1.04801792	0.038382731
ENSG00000099282	TSPAN15	1.048045124	0.027880847
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ENSG00000147684	NDUFB9	1.048222413	0.002110067
ENSG00000198612	COPS8	1.048227505	0.000364794
ENSG00000064012	CASP8	1.048236638	0.001004735
ENSG00000156531	PHF6	1.048246375	8.77E-05
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ENSG00000090581	GNPTG	1.048273801	0.001478113
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ENSG00000117143	UAP1	1.048330536	0.004746812
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ENSG00000125449	ARMC7	1.048498089	0.000140038
ENSG00000083097	DOPEY1	1.048539835	0.007666092
ENSG00000158402	CDC25C	1.048557395	0.001644177
ENSG00000112511	PHF1	1.048558864	0.000208693
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ENSG0000013523	ANGEL1	1.048703669	0.000449634
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ENSG00000164961	KIAA0196	1.04876114	0.032331982
ENSG00000105738	SIPA1L3	1.048766817	0.004252192
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ENSG00000107186	MPDZ	1.048894112	0.014025714
ENSG00000198055	GRK6	1.048902619	0.001020129
ENSG00000165732	DDX21	1.049021671	0.002187819
ENSG00000196584	XRCC2	1.049068096	0.034741229
ENSG00000127554	GFER	1.049075489	0.000301283
ENSG00000164111	ANXA5	1.049084327	0.004301209
ENSG00000088812	ATRN	1.049089614	0.043814578
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ENSG00000135775	COG2	1.049124824	0.005666503
ENSG00000162385	MAGOH	1.0491397	0.041330698
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ENSG00000108106	UBE2S	1.049225511	0.006154005
ENSG00000110074	FOXRED1	1.049259235	0.006734846
ENSG00000204514	ZNF814	1.049276029	0.008294881
ENSG00000177732	SOX12	1.049279216	0.003567441
ENSG00000132382	MYBBP1A	1.049283459	5.14E-05
ENSG00000178028	DMAP1	1.049286978	0.007212362
ENSG00000103510	KAT8	1.049295974	0.000553876
ENSG00000130332	LSM7	1.04930142	0.048188667
ENSG00000185347	C14orf80	1.049369192	0.001475986
ENSG00000047932	GOPC	1.04937019	0.003756197
ENSG00000111481	COPZ1	1.049383394	0.013561219
ENSG00000117791	2-Mar	1.049406177	0.047999402
ENSG00000170903	MSANTD4	1.049409892	0.018055747
ENSG00000171914	TLN2	1.049439322	0.038416295
ENSG00000179262	RAD23A	1.049446422	0.021415205
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ENSG00000106976	DNM1	1.04947645	0.02341303
ENSG00000117597	DIEXF	1.049496276	0.003127924
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ENSG00000168884	TNIP2	1.049577406	0.001776217
ENSG00000267976	AP000695.1	1.049587797	0.001508828
ENSG00000106460	TMEM106B	1.049593361	0.024536695
ENSG00000165480	SKA3	1.049628035	0.027679031
ENSG00000128536	CDHR3	1.049640779	0.000493314
ENSG00000188486	H2AFX	1.049721305	0.001408267
ENSG00000105229	PIAS4	1.04972891	0.002677886
ENSG00000086232	EIF2AK1	1.049732903	0.016198568
ENSG00000119705	SLIRP	1.049736232	0.009774915
ENSG00000150938	CRIM1	1.049750503	0.011201719
ENSG00000170632	ARMC10	1.049766013	0.004925908
ENSG00000144021	CIAO1	1.049797796	0.000907176
ENSG00000145014	TMEM44	1.049805588	0.017221618
ENSG00000160883	HK3	1.049816323	0.007081319
ENSG00000167291	TBC1D16	1.049819357	1.97E-05
ENSG00000157833	GAREML	1.049823537	0.006734995
ENSG00000140564	FURIN	1.049828404	4.75E-05
ENSG00000113361	CDH6	1.049848368	0.000997493
ENSG00000174021	GNG5	1.049849986	0.000248568
ENSG00000142273	CBLC	1.049865541	0.000888017
ENSG00000144214	LYG1	1.049881159	0.00872949

ENSG00000141141	DDX52	1.049896612	0.033304712
ENSG00000184205	TSPYL2	1.049903557	0.001481642
ENSG00000135622	SEMA4F	1.049908319	0.000159017
ENSG00000120742	SERP1	1.049919609	0.015669594
ENSG00000101901	ALG13	1.04993383	0.000929752
ENSG00000137168	PPIL1	1.049966701	0.049334925
ENSG00000198879	SFMBT2	1.049982529	0.028550911
ENSG0000006025	OSBPL7	1.049991092	0.007014813
ENSG00000085840	ORC1	1.049991237	0.049378269
ENSG00000171307	ZDHHC16	1.050020588	0.001257091
ENSG00000184508	HDCC3	1.050047021	0.002687663
ENSG00000164898	C7orf55	1.050104281	0.01008536
ENSG00000128335	APOL2	1.050104323	0.011452395
ENSG00000110651	CD81	1.050113657	0.022667794
ENSG00000181704	YIPF6	1.050128923	0.000492062
ENSG00000113273	ARSB	1.050169945	0.000635892
ENSG00000106034	CPED1	1.050178198	0.009842916
ENSG00000112319	EYA4	1.050187372	0.029638984
ENSG00000156127	BATF	1.050199516	0.023045232
ENSG00000184408	KCND2	1.050209946	0.003617563
ENSG00000198363	ASPH	1.050304477	0.017301179
ENSG00000164690	SHH	1.050323032	0.005766943
ENSG00000196372	ASB13	1.05032397	0.016949761
ENSG00000062524	LTK	1.050351774	0.009958162
ENSG00000169251	NMD3	1.050418377	0.005382398
ENSG00000224877	C17orf89	1.050434493	4.62E-05
ENSG00000163257	DCAF16	1.05043462	0.04759025
ENSG00000131697	NPHP4	1.050435916	0.000309024
ENSG00000128268	MGAT3	1.050452405	0.000371901
ENSG00000137221	TJAP1	1.050458053	0.000647305
ENSG00000157823	AP3S2	1.050509831	0.002144535
ENSG00000115350	POLE4	1.050511885	0.008409151
ENSG00000156858	PRR14	1.050525268	0.00161473
ENSG00000072274	TFRC	1.050527734	0.000617618
ENSG00000142025	DMRTC2	1.050576825	0.002119625
ENSG00000158158	CNNM4	1.050608286	0.037125396
ENSG00000058262	SEC61A1	1.050619174	0.002662331
ENSG00000128563	PRKRIP1	1.050682799	0.000706183
ENSG00000162241	SLC25A45	1.050694359	0.031772465
ENSG00000137494	ANKRD42	1.050694433	0.011942234
ENSG00000072110	ACTN1	1.050730742	0.009786344
ENSG00000164953	TMEM67	1.050775903	0.000347289
ENSG00000107798	LIPA	1.050776326	0.003298454
ENSG00000124795	DEK	1.050796982	0.00328462
ENSG00000248713	RP11-766F14.2	1.050820193	0.011252853
ENSG00000198917	C9orf114	1.050821015	0.001042602
ENSG00000162576	MXRA8	1.05083857	0.002938547

ENSG00000068878	PSME4	1.050850297	0.022151852
ENSG00000135372	NAT10	1.050857848	0.01727139
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ENSG00000154945	ANKRD40	1.050929199	0.000464112
ENSG00000161671	EMC10	1.050935445	0.001399039
ENSG00000170961	HAS2	1.050945658	0.019480205
ENSG00000170619	COMMD5	1.050978739	0.001839732
ENSG00000170044	ZPLD1	1.050992086	0.001781325
ENSG00000196597	ZNF782	1.050998582	0.024152035
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ENSG00000164946	FREM1	1.051019773	0.04719375
ENSG00000169914	OTUD3	1.051050884	0.038081587
ENSG00000100532	CGRRF1	1.051066726	0.007255868
ENSG00000121940	CLCC1	1.051078675	0.008172244
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ENSG00000152219	ARL14EP	1.051137251	0.013929041
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ENSG00000184634	MED12	1.051167461	0.004994672
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ENSG00000137288	UQCC2	1.051274352	0.019843821
ENSG00000211460	TSN	1.051332488	0.001230131
ENSG00000168434	COG7	1.051339644	0.046156109
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ENSG00000069424	KCNAB2	1.051514498	0.000113833
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ENSG00000154822	PLCL2	1.051582041	0.022263729
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ENSG00000118508	RAB32	1.051691986	0.047149762
ENSG00000214706	IFRD2	1.051705028	0.008128311
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ENSG00000204356	NELFE	1.051788329	0.000191085
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ENSG00000089820	ARHGAP4	1.052049526	0.002468136
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ENSG00000197859	ADAMTSL2	1.052066417	0.031655556
ENSG00000204613	TRIM10	1.05207949	7.50E-05
ENSG00000167978	SRRM2	1.05208639	0.03056636
ENSG00000151388	ADAMTS12	1.052183178	0.004490254
ENSG00000257923	CUX1	1.052189627	0.007937001
ENSG00000170448	NFXL1	1.052191466	0.014312194
ENSG00000116833	NR5A2	1.052225683	0.008871342
ENSG00000162341	TPCN2	1.05225535	0.042909283
ENSG00000138442	WDR12	1.052290673	0.000496618
ENSG00000166261	ZNF202	1.052298295	0.0233222
ENSG00000146386	ABRACL	1.052351735	0.007549239
ENSG00000139637	C12orf10	1.0523623	0.006343603
ENSG00000069275	NUCKS1	1.052366672	3.08E-05
ENSG00000169169	CPT1C	1.052406818	0.041519757
ENSG00000143344	RGL1	1.052414974	0.002156262
ENSG00000108883	EFTUD2	1.052415381	0.00229563
ENSG00000163848	ZNF148	1.052434185	6.96E-05
ENSG00000100219	XBP1	1.052441632	0.011683257
ENSG00000100253	MIOX	1.052451433	0.04663584
ENSG00000116604	MEF2D	1.052453656	0.000464713
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ENSG00000051108	HERPUD1	1.052493566	0.021619809
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ENSG00000135100	HNF1A	1.052564471	0.003418456
ENSG00000136531	SCN2A	1.052598542	0.037524677
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ENSG00000121578	B4GALT4	1.052761451	0.014540978
ENSG00000143702	CEP170	1.052776959	0.039946847
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ENSG00000143183	TMCO1	1.052797935	3.14E-05
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ENSG00000166349	RAG1	1.052869023	0.049143107
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ENSG00000104299	INTS9	1.052903515	0.037811669
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ENSG00000188986	NELFB	1.052996195	0.005880907
ENSG00000171824	EXOSC10	1.053002931	0.00034626
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ENSG00000198208	RPS6KL1	1.053038904	0.031086951
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ENSG00000070610	GBA2	1.053305823	0.004953194
ENSG00000004866	ST7	1.053360278	0.00441412
ENSG00000090273	NUDC	1.053369119	0.025296322
ENSG00000165416	SUGT1	1.053388164	0.002385705
ENSG00000149577	SIDT2	1.053391257	0.030577145
ENSG00000169604	ANTXR1	1.053400504	0.001388812
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ENSG00000125744	RTN2	1.053707855	0.045736603
ENSG00000132432	SEC61G	1.053708664	0.008193379
ENSG00000187456	RDM1	1.053756207	0.01411032
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ENSG00000124743	KLHL31	1.054106297	0.003579676
ENSG00000167862	ICT1	1.054119824	0.018704223
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ENSG00000186409	CCDC30	1.054203156	0.010589526
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ENSG00000144061	NPHP1	1.0542275	0.001095978
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ENSG00000008405	CRY1	1.054302284	0.016904911
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ENSG00000163807	KIAA1143	1.054571451	1.21E-05
ENSG00000136699	SMPD4	1.054636078	0.006974687
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ENSG00000166340	TPP1	1.054675738	0.007468629
ENSG00000120063	GNA13	1.054712274	0.000339468
ENSG00000137504	CREBZF	1.054735395	0.002887234
ENSG00000059377	TBXAS1	1.054759963	0.013855508
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ENSG00000143321	HDGF	1.055001448	0.011439423
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ENSG00000198816	ZNF358	1.055451601	0.000743485
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ENSG00000175193	PARL	1.055636861	0.038908521
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ENSG00000103343	ZNF174	1.055776037	0.00019629
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ENSG00000135269	TES	1.055808437	0.004914559
ENSG00000186166	CCDC84	1.055819698	0.016873289
ENSG00000172007	RAB33B	1.055825214	0.026083409
ENSG00000114656	KIAA1257	1.055851734	0.002105025
ENSG00000152253	SPC25	1.055887416	0.032922629
ENSG00000174353	STAG3L3	1.055887976	0.014170977
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ENSG00000181220	ZNF746	1.056000003	0.000674545
ENSG00000011275	RNF216	1.056033485	8.96E-06
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ENSG00000144619	CNTN4	1.056069638	0.01050321
ENSG00000099308	MAST3	1.056082782	0.020197527
ENSG00000179294	C17orf96	1.056092114	0.005958523
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ENSG00000112149	CD83	1.056144454	0.039534204
ENSG00000113532	ST8SIA4	1.056164055	0.019955978
ENSG00000089692	LAG3	1.056189894	0.00158644
ENSG00000119203	CPSF3	1.056197074	0.00791796
ENSG00000087365	SF3B2	1.056200718	0.001511993
ENSG00000115541	HSPE1	1.056211121	0.003502846
ENSG00000091009	RBM27	1.056258703	0.000272102
ENSG00000115128	SF3B14	1.056314064	0.004591996
ENSG00000152147	GEMIN6	1.056316655	0.01232393
ENSG00000145022	TCTA	1.056332068	0.036141691
ENSG00000062370	ZNF112	1.056343033	0.028344354
ENSG00000071994	PDCD2	1.056349109	0.006140497
ENSG00000168569	TMEM223	1.056355812	0.017062353
ENSG00000162627	SNX7	1.056375426	0.000437176
ENSG00000177565	TBL1XR1	1.056417816	0.000264052
ENSG00000198960	ARMCX6	1.056425775	0.001360637
ENSG00000025796	SEC63	1.056463464	0.000335643
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ENSG00000048991	R3HDM1	1.056529036	0.035981208
ENSG00000166278	C2	1.05653513	0.044837644
ENSG00000242485	MRPL20	1.056551965	0.000390968
ENSG00000034510	TMSB10	1.056561747	0.000260206
ENSG00000124802	EEF1E1	1.05656318	0.045129493
ENSG00000196407	THEM5	1.056567695	0.041000442
ENSG00000213672	NCKIPSD	1.056570123	0.046628842
ENSG00000185267	CDNF	1.056596953	0.002965309
ENSG00000162396	PARS2	1.056598406	7.49E-05
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ENSG00000168653	NDUFS5	1.056656895	7.89E-05
ENSG00000087884	AAMDC	1.056741644	0.005347074
ENSG00000147274	RBMX	1.056758301	0.00061601
ENSG00000106069	CHN2	1.056766869	0.024057827
ENSG00000065183	WDR3	1.056771959	0.035432352
ENSG00000081087	OSTM1	1.05677617	0.047302257

ENSG00000136271	DDX56	1.056785924	0.024787358
ENSG00000122779	TRIM24	1.056827773	0.011564455
ENSG00000214022	REPIN1	1.056843101	0.000160172
ENSG00000171206	TRIM8	1.056874586	0.000222224
ENSG00000138430	OLA1	1.056918057	0.000190732
ENSG00000018699	TTC27	1.056971545	0.018305683
ENSG00000146776	ATXN7L1	1.056985678	1.36E-05
ENSG00000115762	PLEKHB2	1.057017447	0.002519347
ENSG00000089737	DDX24	1.057026167	1.21E-05
ENSG00000040933	INPP4A	1.057061238	0.000247734
ENSG00000134684	YARS	1.057090929	0.009858906
ENSG00000115816	CEBPZ	1.057107914	0.00040349
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ENSG00000169221	TBC1D10B	1.057193785	0.029512336
ENSG00000172262	ZNF131	1.057197455	0.016311621
ENSG00000105127	AKAP8	1.057214481	1.19E-05
ENSG00000088256	GNA11	1.057277743	0.000158887
ENSG00000104899	AMH	1.057295466	0.014054944
ENSG00000131437	KIF3A	1.057356102	0.031670175
ENSG00000099991	CABIN1	1.057392029	2.58E-05
ENSG00000110104	CCDC86	1.057428498	0.004013518
ENSG00000161980	POLR3K	1.05745081	0.003448794
ENSG00000162434	JAK1	1.05749618	0.031129128
ENSG00000214063	TSPAN4	1.057528847	0.004973562
ENSG00000221883	ARIH2OS	1.057539725	0.004773561
ENSG00000166228	PCBD1	1.057612486	0.003796721
ENSG00000114013	CD86	1.05764856	0.034047686
ENSG00000151576	QTRTD1	1.057655837	0.013161642
ENSG00000198948	MFAP3L	1.057664836	0.001617457
ENSG00000159377	PSMB4	1.057678267	0.009008915
ENSG00000115307	AUP1	1.05768996	0.028349073
ENSG00000243927	MRPS6	1.05772384	0.000138544
ENSG00000158636	C11orf30	1.057738333	0.013101368
ENSG00000188493	C19orf54	1.057781669	0.049277227
ENSG00000047648	ARHGAP6	1.057784318	0.045733467
ENSG00000119285	HEATR1	1.057788878	0.033757349
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ENSG00000166974	MAPRE2	1.057816255	0.008123441
ENSG00000009950	MLXIPL	1.057841097	0.000708496
ENSG00000135469	COQ10A	1.057842951	0.002307606
ENSG00000007255	TRAPPC6A	1.057851158	0.00582688
ENSG00000162521	RBBP4	1.057929231	0.016643885
ENSG00000109065	NAT9	1.057956753	0.015790918
ENSG00000065057	NTHL1	1.057994374	0.005532237
ENSG00000213066	FGFR1OP	1.058016844	0.002747147
ENSG00000175455	CCDC14	1.05802257	0.000260502

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ENSG00000011021	CLCN6	1.05809524	0.004783976
ENSG00000244038	DDOST	1.058114131	0.002587319
ENSG00000168005	C11orf84	1.058163856	0.000535832
ENSG00000110455	ACCS	1.058184358	0.024157569
ENSG00000172878	METAP1D	1.058205175	0.005451102
ENSG00000141378	PTRH2	1.058210295	0.002686624
ENSG00000105339	DENND3	1.058218569	0.008282447
ENSG00000173141	MRP63	1.058219502	0.002602223
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ENSG00000064933	PMS1	1.058245144	0.003127754
ENSG00000170801	HTRA3	1.058268856	0.00254852
ENSG00000103202	NME4	1.05827221	0.015638405
ENSG00000171488	LRRC8C	1.058308723	0.009489306
ENSG00000198837	DENND4B	1.058340658	0.018512008
ENSG00000170892	TSEN34	1.058409365	0.000121951
ENSG00000130304	SLC27A1	1.058433962	0.019071392
ENSG00000025772	TOMM34	1.058445371	0.023249804
ENSG00000010539	ZNF200	1.058483005	0.004893364
ENSG00000153898	MCOLN2	1.058493874	0.046829349
ENSG00000100490	CDKL1	1.058496223	0.006681382
ENSG00000114805	PLCH1	1.058503956	1.43E-05
ENSG00000113360	DROSHA	1.058537207	0.019595392
ENSG00000139793	MBNL2	1.058564945	0.003618321
ENSG00000168056	LTBP3	1.058615739	0.037032877
ENSG00000167523	SPATA33	1.058618634	0.008328417
ENSG00000004534	RBM6	1.058656871	0.04039102
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ENSG00000189376	C8orf76	1.058793031	0.006801755
ENSG00000162194	C11orf48	1.058807333	0.011524015
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ENSG00000176679	TGIF2LY	1.05882837	0.019475092
ENSG00000172572	PDE3A	1.058845191	0.000300834
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ENSG00000152484	USP12	1.059086496	0.004699196
ENSG00000087206	UIMC1	1.059095342	1.70E-05

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ENSG00000125846	ZNF133	1.059159086	0.009555705
ENSG00000164045	CDC25A	1.059180053	0.00447471
ENSG00000035664	DAPK2	1.059181879	0.010423732
ENSG00000105778	AVL9	1.059211213	0.012989464
ENSG00000187147	RNF220	1.059284999	0.000370414
ENSG00000121988	ZRANB3	1.059314914	0.000240805
ENSG00000130479	MAP1S	1.059316714	0.015740915
ENSG00000107175	CREB3	1.05933093	0.00573659
ENSG00000167550	RHEBL1	1.059340647	0.000123254
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ENSG00000184374	COLEC10	1.059490186	0.033619984
ENSG00000179832	MROH1	1.059512551	0.005368033
ENSG00000268953	AC020952.1	1.059525459	0.008890406
ENSG00000172172	MRPL13	1.059557931	0.043608949
ENSG00000174579	MSL2	1.0595962	0.023680373
ENSG00000125503	PPP1R12C	1.059613517	0.000633327
ENSG00000064999	ANKS1A	1.059671666	3.86E-05
ENSG00000160606	TLCD1	1.059737886	0.033862972
ENSG00000128591	FLNC	1.059747092	0.011791595
ENSG00000182534	MXRA7	1.059766509	0.001759684
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ENSG00000118894	FAM86A	1.059805247	0.005442029
ENSG00000105438	KDELRL1	1.059810085	0.001285381
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ENSG00000167861	HID1	1.059836247	0.000612042
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ENSG00000153560	UBP1	1.059951778	1.25E-05
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ENSG00000105819	PMPCB	1.059981138	0.000127777
ENSG00000232237	ASCL5	1.059987776	0.002103641
ENSG00000231292	IGKV1OR2-108	1.060020798	0.028211296
ENSG00000179958	DCTPP1	1.060038072	0.001965445
ENSG00000013374	NUB1	1.060044744	1.44E-05
ENSG00000144481	TRPM8	1.060048652	0.003966974

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ENSG00000163607	GTPBP8	1.06011924	0.048066881
ENSG00000197457	STMN3	1.060122272	0.004185443
ENSG00000101680	LAMA1	1.060147435	0.03235964
ENSG00000110344	UBE4A	1.060154084	6.32E-05
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ENSG00000130402	ACTN4	1.060218982	0.001822806
ENSG00000105793	GTPBP10	1.060224688	0.035954397
ENSG00000129654	FOXJ1	1.060271102	0.027047461
ENSG00000116396	KCNC4	1.060311392	0.008834665
ENSG00000127507	EMR2	1.060367001	0.005861508
ENSG00000185813	PCYT2	1.06038058	0.000634881
ENSG00000172115	CYCS	1.060406441	0.030697755
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ENSG00000154803	FLCN	1.060482027	0.010530412
ENSG00000116285	ERRF1	1.060486366	0.021170952
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ENSG00000050748	MAPK9	1.060699705	0.000105015
ENSG00000171433	GLOD5	1.060747883	0.003908559
ENSG00000187773	FAM69C	1.060764372	0.029885127
ENSG00000163950	SLBP	1.060800554	0.003539785
ENSG00000169188	APEX2	1.060802493	0.000804584
ENSG00000128833	MYO5C	1.060849342	0.008426953
ENSG00000214300	SPDYE3	1.060874997	0.019520592
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ENSG00000143190	POU2F1	1.060887773	0.029288617
ENSG00000127603	MACF1	1.060935339	9.81E-05
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ENSG00000106367	AP1S1	1.060945262	0.034847044

ENSG00000138175	ARL3	1.060945934	0.000130766
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ENSG00000168772	CXXC4	1.060960208	0.000908058
ENSG00000204632	HLA-G	1.060977252	0.002195915
ENSG00000160293	VAV2	1.06099144	0.000362042
ENSG00000090863	GLG1	1.061010499	0.001069921
ENSG00000164494	PDSS2	1.061078794	0.011776644
ENSG00000103269	RHBDL1	1.061116977	0.00366444
ENSG00000172671	ZFAND4	1.06111785	0.004533722
ENSG00000180370	PAK2	1.061148812	6.29E-05
ENSG00000168275	COA6	1.061155096	9.66E-06
ENSG00000166526	ZNF3	1.06116317	0.04638653
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ENSG00000090339	ICAM1	1.061227709	0.003794694
ENSG00000131116	ZNF428	1.061234404	3.08E-05
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ENSG00000156140	ADAMTS3	1.061279895	0.011117656
ENSG00000149179	C11orf49	1.061289226	0.005057977
ENSG00000108298	RPL19	1.061324829	1.32E-05
ENSG00000143033	MTF2	1.06135142	0.018491967
ENSG00000163618	CADPS	1.061388256	0.002232664
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ENSG00000113460	BRX1	1.061401551	0.039813378
ENSG00000117650	NEK2	1.061428727	0.011648444
ENSG00000109610	SOD3	1.061434133	0.007005337
ENSG00000244405	ETV5	1.061483599	5.03E-05
ENSG00000132768	DPH2	1.061521677	0.000961818
ENSG00000102384	CENPI	1.061522792	0.002978135
ENSG00000155959	VBP1	1.061526806	0.001177081
ENSG00000060982	BCAT1	1.061555846	0.049438819
ENSG00000196843	ARID5A	1.061596247	0.042251098
ENSG00000135837	CEP350	1.061606627	0.000516798
ENSG00000196981	WDR5B	1.061607907	0.048064171
ENSG00000011478	QPCTL	1.061609875	0.000160166
ENSG00000136243	NUPL2	1.061659368	0.000783287
ENSG00000169733	RFNG	1.06167533	0.002421185
ENSG00000103121	CMC2	1.061759604	0.009910404
ENSG00000164754	RAD21	1.061763817	0.000970112
ENSG00000081059	TCF7	1.061795929	0.004107141
ENSG00000114854	TNNC1	1.061821157	0.002780837
ENSG00000151466	SCLT1	1.061837937	0.001564962
ENSG00000185627	PSMD13	1.061866013	0.006430307
ENSG00000257704	PRR24	1.061876462	0.001392642
ENSG00000104886	PLEKHJ1	1.061912574	0.029706503
ENSG00000129277	CCL4	1.061938896	0.015366327
ENSG00000118420	UBE3D	1.061954988	0.000552835

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ENSG00000206538	VGLL3	1.061979779	0.032209396
ENSG00000128928	IVD	1.06198341	0.001562677
ENSG00000122257	RBBP6	1.062004506	0.000391034
ENSG00000120332	TNN	1.062060882	0.049592986
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ENSG00000204392	LSM2	1.062073092	0.00299855
ENSG00000124155	PIGT	1.062079879	0.008384703
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ENSG00000197043	ANXA6	1.062128163	0.019401551
ENSG00000148337	CIZ1	1.062140251	0.000309021
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ENSG00000174851	YIF1A	1.062217797	0.016843541
ENSG00000167748	KLK1	1.062273306	0.002562147
ENSG00000148459	PDSS1	1.062286227	0.009077425
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ENSG00000165516	KLHDC2	1.062304813	0.000760836
ENSG00000148942	SLC5A12	1.062321286	0.000942522
ENSG00000149932	TMEM219	1.06232239	0.002282697
ENSG00000197771	MCMBP	1.062359736	0.04204686
ENSG00000168936	TMEM129	1.062407535	0.00258167
ENSG00000244005	NFS1	1.062441811	0.029703447
ENSG00000138100	TRIM54	1.062443195	0.012881891
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ENSG00000120800	UTP20	1.062489388	0.019470363
ENSG00000111348	ARHGDI1B	1.0625044	0.024373152
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ENSG00000010810	FYN	1.062531113	0.027740478
ENSG00000110057	UNC93B1	1.062543876	0.008821969
ENSG00000131759	RARA	1.062544306	9.24E-06
ENSG00000109685	WHSC1	1.062545854	0.006745633
ENSG00000115875	SRSF7	1.062618341	0.020105305
ENSG00000138709	LARP1B	1.062681398	0.000985791
ENSG00000171729	TMEM51	1.062721925	0.027361039
ENSG00000006015	C19orf60	1.06272854	0.026177361
ENSG00000130254	SAFB2	1.062779088	0.013245335
ENSG00000104522	TSTA3	1.062788656	0.035567223
ENSG00000166321	NUDT13	1.062820195	0.025693871
ENSG00000171864	PRND	1.062832182	0.019006239
ENSG00000149474	CSRP2BP	1.06285	0.013564031
ENSG00000174684	B3GNT1	1.062858484	0.000933881
ENSG00000130675	MNX1	1.062861093	0.009917444
ENSG00000166860	ZBTB39	1.06287433	0.003938636

ENSG00000041802	LSG1	1.062892931	0.006311908
ENSG00000137507	LRRC32	1.062929012	0.04309658
ENSG00000173137	ADCK5	1.062949704	0.001066446
ENSG00000185875	THNSL1	1.062976556	0.005632247
ENSG00000099330	OCEL1	1.062982743	0.000352559
ENSG00000196187	TMEM63A	1.062993649	0.005043058
ENSG00000111052	LIN7A	1.062994569	0.03950165
ENSG00000055483	USP36	1.06306939	0.021300094
ENSG00000167635	ZNF146	1.06307245	0.001182077
ENSG00000100209	HSCB	1.063110525	0.000754561
ENSG00000115525	ST3GAL5	1.063110863	0.00530925
ENSG00000115415	STAT1	1.063156263	0.037561865
ENSG00000160111	CPAMD8	1.063174405	0.006740396
ENSG00000132780	NASP	1.063178639	0.008013676
ENSG00000111321	LTBR	1.063222828	0.000149535
ENSG00000037042	TUBG2	1.063297485	0.01285657
ENSG00000113319	RASGRF2	1.063301606	0.025656658
ENSG00000162642	C1orf52	1.063326493	0.000131947
ENSG00000135404	CD63	1.063369808	0.000114752
ENSG00000163481	RNF25	1.063371169	0.000242601
ENSG00000096654	ZNF184	1.063385711	0.019633618
ENSG00000164303	ENPP6	1.063397744	0.020139279
ENSG00000213780	GTF2H4	1.063403303	0.005919361
ENSG00000198042	MAK16	1.063412605	0.011758772
ENSG00000104472	CHRAC1	1.063491243	0.001281484
ENSG00000174100	MRPL45	1.063500203	0.008342371
ENSG00000196455	PIK3R4	1.063506293	0.000375309
ENSG00000091651	ORC6	1.063522894	0.033311057
ENSG00000166913	YWHAB	1.063534079	0.020027334
ENSG00000164008	C1orf50	1.063538282	0.000302943
ENSG00000204560	DHX16	1.063557269	0.000215016
ENSG00000123191	ATP7B	1.063575915	0.025644947
ENSG00000175318	GRAMD2	1.063598247	0.024935414
ENSG00000213719	CLIC1	1.063658189	0.002447151
ENSG00000178917	ZNF852	1.063698823	0.008461863
ENSG00000198077	CYP2A7	1.063700164	9.48E-05
ENSG00000165138	ANKS6	1.063749217	0.000267519
ENSG00000141504	SAT2	1.063770703	0.002125968
ENSG00000092020	PPP2R3C	1.063774019	0.001106413
ENSG00000136247	ZDHHC4	1.063785141	4.05E-06
ENSG00000128045	RASL11B	1.063787972	0.017633619
ENSG00000171169	NAIF1	1.063815248	0.000447985
ENSG00000106608	URGCP	1.063861435	0.006625829
ENSG00000225614	ZNF469	1.063894805	0.000101153
ENSG00000187522	HSPA14	1.06389834	3.83E-05
ENSG00000132196	HSD17B7	1.063916559	0.022931394
ENSG00000088882	CPXM1	1.063931953	0.011845418

ENSG00000130813	C19orf66	1.06393938	0.001153519
ENSG00000139890	REM2	1.06399481	0.004958777
ENSG00000158417	EIF5B	1.06401617	0.000161325
ENSG00000187736	NHEJ1	1.064035785	0.001963864
ENSG00000164080	RAD54L2	1.064055321	0.000434088
ENSG00000173744	AGFG1	1.064092439	1.04E-05
ENSG00000164105	SAP30	1.064093157	0.000674674
ENSG00000151287	TEX30	1.064095046	0.008490867
ENSG00000163468	CCT3	1.064101217	0.000865233
ENSG00000033100	CHPF2	1.064102102	0.010469067
ENSG00000151617	EDNRA	1.064140024	0.02845293
ENSG00000110713	NUP98	1.064140379	0.001629532
ENSG00000205323	SARNP	1.064140479	0.000206204
ENSG00000184281	TSSC4	1.06417071	0.000364112
ENSG00000184838	PRR16	1.064215899	0.009074151
ENSG00000116001	TIA1	1.064227595	0.03780834
ENSG00000171860	C3AR1	1.064260433	0.034081887
ENSG00000115392	FANCL	1.064289887	0.00020601
ENSG00000198610	AKR1C4	1.064306599	0.023499834
ENSG00000100105	PATZ1	1.064313951	1.62E-08
ENSG00000115364	MRPL19	1.064317754	0.011945796
ENSG00000027869	SH2D2A	1.064321351	0.016565654
ENSG00000115425	PECR	1.064366403	7.36E-06
ENSG00000181090	EHMT1	1.064399447	7.25E-05
ENSG00000184640	9-Sep	1.064403897	0.004484388
ENSG00000198900	TOP1	1.064407592	4.61E-06
ENSG00000109586	GALNT7	1.064565509	0.001139025
ENSG00000126218	F10	1.064571016	0.012889182
ENSG00000177335	C8orf31	1.064592667	0.014806545
ENSG00000259305	ZHX1-C8ORF76	1.064625309	0.03605933
ENSG00000156398	SFXN2	1.064672087	0.002735575
ENSG00000163006	CCDC138	1.064721872	0.019467869
ENSG00000173214	KIAA1919	1.064734045	0.000499253
ENSG00000126953	TIMM8A	1.064740362	0.016381589
ENSG00000125409	TEKT3	1.064748207	0.000471245
ENSG00000159363	ATP13A2	1.06476163	0.03014189
ENSG00000173557	C2orf70	1.064807874	0.000576704
ENSG00000116213	WRAP73	1.064825191	0.000186061
ENSG00000269858	EGLN2	1.064834413	0.003159019
ENSG00000113811	SELK	1.064836057	1.87E-06
ENSG00000212734	C17orf100	1.064841921	0.003515035
ENSG00000116670	MAD2L2	1.064915815	0.007901922
ENSG00000164087	POC1A	1.064974154	0.000105648
ENSG00000124172	ATP5E	1.064979485	5.92E-10
ENSG00000114026	OGG1	1.065010135	4.35E-06
ENSG00000148396	SEC16A	1.065010702	0.012975207
ENSG00000124664	SPDEF	1.065026651	0.000689524

ENSG00000140990	NDUFB10	1.065053317	0.000317708
ENSG00000170852	KBTBD2	1.065074953	0.029599276
ENSG00000154079	C6orf57	1.065097037	0.003853489
ENSG00000101109	STK4	1.065114168	0.000152894
ENSG00000127586	CHTF18	1.065154211	0.00635092
ENSG00000089775	ZBTB25	1.065158487	0.002934377
ENSG00000115966	ATF2	1.065177154	0.00025639
ENSG00000135451	TROAP	1.065207106	0.000160534
ENSG00000108262	GIT1	1.065230421	5.97E-05
ENSG00000129636	ITFG1	1.065237168	0.001006659
ENSG00000129566	TEP1	1.065294146	0.006759224
ENSG00000006194	ZNF263	1.065300811	0.008000744
ENSG00000126768	TIMM17B	1.065310499	0.0004073
ENSG00000104852	SNRNP70	1.065344689	0.00801794
ENSG00000185115	NDNL2	1.06534503	0.004868725
ENSG00000187145	MRPS21	1.065345679	1.20E-07
ENSG00000106554	CHCHD3	1.065365347	0.024068631
ENSG00000142453	CARM1	1.065393147	2.14E-06
ENSG00000151233	GXYLT1	1.065414339	0.01380872
ENSG00000105323	HNRNPUL1	1.065426379	0.000174665
ENSG00000119138	KLF9	1.065439551	0.000118379
ENSG00000166813	KIF7	1.065524685	0.001675435
ENSG00000148362	C9orf142	1.065582941	0.000139218
ENSG00000075213	SEMA3A	1.065605252	0.031815954
ENSG00000125885	MCM8	1.065620501	0.000287307
ENSG00000156983	BRPF1	1.065635764	1.64E-05
ENSG00000013392	RWDD2A	1.065657068	0.003271009
ENSG00000143314	MRPL24	1.065681585	0.00137509
ENSG00000116649	SRM	1.065723591	0.001024166
ENSG00000049656	CLPTM1L	1.065726859	4.51E-06
ENSG00000015532	XYLT2	1.065735492	0.033693262
ENSG00000101216	GMEB2	1.065751833	1.11E-06
ENSG00000163482	STK36	1.065752109	0.002311764
ENSG00000140577	CRTC3	1.065760521	0.000252001
ENSG00000203896	LIME1	1.065789713	0.007597356
ENSG00000161091	MFSD12	1.06583324	0.006284407
ENSG00000146576	C7orf26	1.065833381	2.35E-07
ENSG00000180628	PCGF5	1.065844231	0.004948321
ENSG00000203711	C6orf99	1.065882593	0.016176844
ENSG00000148290	SURF1	1.065893507	0.000322859
ENSG00000143870	PDIA6	1.065912402	0.025383622
ENSG00000182606	TRAK1	1.065986791	0.043196412
ENSG00000107937	GTPBP4	1.066017402	0.00781015
ENSG00000184557	SOCS3	1.066026178	0.000106697
ENSG00000164683	HEY1	1.066036605	0.022561546
ENSG00000016864	GLT8D1	1.066041432	0.024865654
ENSG00000137522	RNF121	1.066059282	0.003544442

ENSG00000164124	TMEM144	1.066061504	0.001816528
ENSG00000170369	CST2	1.066075891	0.000468544
ENSG00000072135	PTPN18	1.066098818	0.003947405
ENSG00000017260	ATP2C1	1.066112509	0.0090691
ENSG00000156232	WHAMM	1.066116906	0.005328725
ENSG00000198860	TSEN15	1.066137521	0.00431728
ENSG00000222001	AC106876.2	1.066159193	0.00708502
ENSG00000198420	FAM115A	1.066180634	0.001825451
ENSG00000131069	ACSS2	1.066184779	0.003529656
ENSG00000134575	ACP2	1.066191204	0.003584981
ENSG00000152939	MARVELD2	1.066228208	6.84E-05
ENSG00000159674	SPON2	1.06624215	0.01508424
ENSG00000132541	HRSP12	1.066243502	0.003263171
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ENSG00000168393	DTYMK	1.066299483	0.009415201
ENSG00000137462	TLR2	1.066317147	0.012173232
ENSG00000138443	ABI2	1.066323203	3.35E-07
ENSG00000140451	PIF1	1.066340182	0.01413575
ENSG00000102710	SUPT20H	1.066346512	0.001414041
ENSG00000120802	TMPO	1.066395858	0.002102945
ENSG00000089597	GANAB	1.066404217	9.41E-05
ENSG00000137200	CMTR1	1.066421864	9.87E-05
ENSG00000176919	C8G	1.066443325	0.00074198
ENSG00000124214	STAU1	1.066446565	0.030742074
ENSG00000123575	FAM199X	1.066461439	0.00044916
ENSG00000188994	ZNF292	1.066461913	0.007997239
ENSG00000135966	TGFBRAP1	1.066524761	3.63E-07
ENSG00000020426	MNAT1	1.066535698	0.003758204
ENSG00000153201	RANBP2	1.066583027	0.000160165
ENSG00000151176	PLBD2	1.066615372	1.85E-05
ENSG00000173480	ZNF417	1.06663235	0.000300252
ENSG00000120885	CLU	1.066686206	0.046885256
ENSG00000157106	SMG1	1.066688235	0.000256185
ENSG00000168096	ANKS3	1.066716635	2.48E-05
ENSG00000121390	PSPC1	1.066725658	0.023760159
ENSG00000105011	ASF1B	1.066777379	0.009514936
ENSG00000132359	RAP1GAP2	1.066796212	0.013564568
ENSG00000204519	ZNF551	1.066918009	0.012637189
ENSG00000005483	KMT2E	1.06701809	0.000682802
ENSG00000204219	TCEA3	1.067061196	0.005021912
ENSG00000179913	B3GNT3	1.06706469	0.034733244
ENSG00000183207	RUVBL2	1.067154296	0.001196349
ENSG00000101134	DOK5	1.067170018	0.014664683
ENSG00000151883	PARP8	1.06718998	0.024457302
ENSG00000080298	RFX3	1.067228716	0.000587145
ENSG00000164631	ZNF12	1.067228874	0.011044971
ENSG00000051180	RAD51	1.067255633	0.005447201

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ENSG00000122386	ZNF205	1.067337602	0.000836732
ENSG00000143811	PYCR2	1.067410871	0.002604212
ENSG00000128595	CALU	1.067432377	9.58E-05
ENSG00000131871	VIMP	1.067508414	1.52E-05
ENSG00000125817	CENPB	1.06752713	0.002026577
ENSG00000102053	ZC3H12B	1.067558486	0.001787493
ENSG00000133627	ACTR3B	1.067574023	0.01607174
ENSG00000153574	RPIA	1.067585757	0.045590374
ENSG00000119280	C1orf198	1.067592434	2.25E-05
ENSG00000028839	TBPL1	1.067593429	0.00187164
ENSG00000148700	ADD3	1.067661984	0.000218432
ENSG00000113721	PDGFRB	1.067759988	0.010057357
ENSG00000165175	MID1IP1	1.067762151	0.034249742
ENSG00000188677	PARVB	1.067784043	0.000978224
ENSG00000135999	EPC2	1.067797587	0.000285181
ENSG00000106078	COBL	1.067837538	0.001667363
ENSG00000139131	YARS2	1.067840321	0.00515548
ENSG00000122687	FTSJ2	1.067907396	0.005606513
ENSG00000132429	POPDC3	1.067946739	0.046751872
ENSG00000111602	TIMELESS	1.068047121	0.022745861
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ENSG00000107938	EDRF1	1.068144398	0.000248166
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ENSG00000119899	SLC17A5	1.068208559	0.030015648
ENSG00000182240	BACE2	1.068235027	0.021663501
ENSG00000132256	TRIM5	1.068266819	0.006049517
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ENSG00000106246	PTCD1	1.068356539	0.001458849
ENSG00000122550	KLHL7	1.068375157	0.004667791
ENSG00000136098	NEK3	1.068386779	0.032239852
ENSG00000156831	NSMCE2	1.06839871	0.001216026
ENSG00000100393	EP300	1.068402487	0.000474614
ENSG00000162729	IGSF8	1.06841283	3.04E-05
ENSG00000103254	FAM173A	1.068431178	0.038865002
ENSG00000116685	KIAA2013	1.068432845	1.84E-09
ENSG00000012048	BRCA1	1.06844423	0.001254147
ENSG00000123243	ITIH5	1.068456498	0.022039742
ENSG00000118058	KMT2A	1.068458981	5.87E-05
ENSG00000174953	DHX36	1.068460327	7.24E-05
ENSG00000159882	ZNF230	1.06848229	0.02649719
ENSG00000133302	ANKRD32	1.068501851	0.002263043
ENSG00000189409	MMP23B	1.068527551	0.001757277

ENSG00000148842	CNNM2	1.06855139	1.58E-06
ENSG00000084090	STARD7	1.068585536	0.001963319
ENSG00000125826	RBCK1	1.068679152	0.00147593
ENSG00000102738	MRPS31	1.068690608	8.84E-05
ENSG00000121481	RNF2	1.068740432	0.034331306
ENSG00000173705	SUSD5	1.068754254	0.021339759
ENSG00000172315	TP53RK	1.06877849	0.000567405
ENSG00000204922	C11orf83	1.068781874	0.000645294
ENSG00000187514	PTMA	1.068795129	0.006410168
ENSG00000089177	KIF16B	1.06879772	0.01212659
ENSG00000230055	CISD3	1.068805061	0.004584556
ENSG00000103066	PLA2G15	1.068828712	0.007258928
ENSG00000215114	UBXN2B	1.068847904	0.000403434
ENSG00000130816	DNMT1	1.06885007	0.000312923
ENSG00000116906	GNPAT	1.068862347	1.79E-05
ENSG00000105722	ERF	1.068908823	0.004491074
ENSG00000184232	OAF	1.068912316	0.001802678
ENSG00000121644	DESI2	1.068925419	0.000273615
ENSG00000117266	CDK18	1.068928827	0.001535598
ENSG00000101441	CST4	1.068946963	0.008649668
ENSG00000184164	CRELD2	1.06899959	0.003576998
ENSG00000183808	RBM12B	1.06905643	0.000218243
ENSG00000105711	SCN1B	1.069059873	0.003968217
ENSG00000165609	NUDT5	1.069115989	3.45E-06
ENSG00000167985	SDHAF2	1.069126258	0.011338518
ENSG00000136816	TOR1B	1.06917204	0.022883455
ENSG00000115970	THADA	1.069173873	0.003471582
ENSG00000176903	PNMA1	1.069216154	0.008700814
ENSG00000004139	SARM1	1.069223066	0.00341569
ENSG00000132792	CTNBL1	1.069225187	0.042649067
ENSG00000105849	TWISTNB	1.069228118	2.85E-05
ENSG00000100994	PYGB	1.069244535	0.010880536
ENSG00000137513	NARS2	1.069245428	0.005528818
ENSG00000109118	PHF12	1.069318104	7.64E-06
ENSG00000128408	RIBC2	1.069364554	0.021261846
ENSG00000113494	PRLR	1.069365057	0.004627675
ENSG00000138835	RGS3	1.069383025	0.008097338
ENSG00000143977	SNRPG	1.069461023	0.000430481
ENSG00000188130	MAPK12	1.06946468	0.001971614
ENSG00000160695	VPS11	1.06947279	0.000124596
ENSG00000110060	PUS3	1.069473489	0.007824837
ENSG00000163964	PIGX	1.069490839	0.013931109
ENSG00000125872	LRRN4	1.069561249	0.000587186
ENSG00000110002	VWA5A	1.069588157	0.001805982
ENSG00000128284	APOL3	1.069630678	0.012983173
ENSG00000135521	LTV1	1.069648888	0.009166212
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ENSG00000196715	VKORC1L1	1.069728145	1.51E-05
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ENSG00000102531	FNDC3A	1.069747491	1.32E-05
ENSG00000055732	MCOLN3	1.069752651	0.021760749
ENSG00000163909	HEYL	1.06975951	6.50E-05
ENSG00000100031	GGT1	1.069759879	0.003941356
ENSG00000163156	SCNM1	1.069773393	0.000850766
ENSG00000153933	DGKE	1.069776988	6.02E-10
ENSG00000158792	SPATA2L	1.069789532	0.015588601
ENSG00000076928	ARHGEF1	1.069800154	0.000159091
ENSG00000162676	GF11	1.069830642	0.018523016
ENSG00000109854	HTATIP2	1.069862784	0.012480541
ENSG00000197375	SLC22A5	1.06988105	0.023870773
ENSG00000095209	TMEM38B	1.069885417	0.030089014
ENSG00000197183	C2orf112	1.069926427	7.36E-08
ENSG00000078269	SYNJ2	1.069945231	1.61E-08
ENSG00000198056	PRIM1	1.069958782	0.027274972
ENSG00000116668	SWT1	1.069961652	9.85E-06
ENSG00000172578	KLHL6	1.06999786	0.023015903
ENSG00000197982	C1orf122	1.070034537	7.32E-05
ENSG00000136270	TBRG4	1.070038707	0.013448583
ENSG00000137343	ATAT1	1.070041687	0.000307834
ENSG00000126561	STAT5A	1.070048269	0.002451799
ENSG00000135632	SMYD5	1.070065806	4.25E-06
ENSG00000162585	C1orf86	1.070068412	4.26E-06
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ENSG00000170476	MZB1	1.070168119	0.036460383
ENSG00000102241	HTATSF1	1.070208816	0.000843163
ENSG00000123545	NDUFAF4	1.070210702	0.017114117
ENSG00000152464	RPP38	1.070230888	0.000214147
ENSG00000139405	RITA1	1.070233778	0.006246582
ENSG00000100263	RHBDD3	1.070240691	0.00069012
ENSG00000185344	ATP6V0A2	1.070251926	4.56E-05
ENSG00000086475	SEPHS1	1.070274315	0.000184008
ENSG00000145730	PAM	1.070280988	0.000256452
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ENSG00000147687	TATDN1	1.070302876	0.029474884
ENSG00000078808	SDF4	1.070327262	0.000587922
ENSG00000092201	SUPT16H	1.070340868	0.005845351
ENSG00000148606	POLR3A	1.070392422	0.000714622
ENSG00000083099	LYRM2	1.070403295	9.82E-05
ENSG00000051128	HOMER3	1.070462717	0.000265529
ENSG00000133422	MORC2	1.070503311	0.013721608
ENSG00000161914	ZNF653	1.070525977	0.001514589

ENSG00000143333	RGS16	1.070546432	0.000915321
ENSG00000167747	C19orf48	1.070554958	0.000261753
ENSG00000012504	NR1H4	1.070569974	0.007220998
ENSG00000183137	CEP57L1	1.070572611	5.56E-05
ENSG00000152503	TRIM36	1.070578252	0.035225892
ENSG00000161381	PLXDC1	1.070585163	0.014625818
ENSG00000111666	CHPT1	1.070600953	0.015848265
ENSG00000143850	PLEKHA6	1.070608533	0.032988853
ENSG00000175048	ZDHHC14	1.070643126	0.000547728
ENSG00000102897	LYRM1	1.070655773	0.0003597
ENSG00000110619	CARS	1.070681526	0.004813695
ENSG00000131495	NDUFA2	1.070695029	3.22E-05
ENSG00000151413	NUBPL	1.070725099	0.019550078
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ENSG00000100084	HIRA	1.070804036	0.005323617
ENSG00000167904	TMEM68	1.070835736	0.005138907
ENSG00000196793	ZNF239	1.070850342	0.049529548
ENSG00000101311	FERMT1	1.070944866	0.004337334
ENSG00000167088	SNRPD1	1.070971244	0.003315178
ENSG00000111371	SLC38A1	1.07101237	0.000840425
ENSG00000137133	HINT2	1.071120482	0.000274274
ENSG00000196636	ACN9	1.071129329	0.022315446
ENSG00000196911	KPNA5	1.071146608	0.003776987
ENSG00000141012	GALNS	1.07118044	0.010300373
ENSG00000056736	IL17RB	1.07118958	0.021294921
ENSG00000106236	NPTX2	1.071203543	0.014849984
ENSG00000169241	SLC50A1	1.071207386	0.027106323
ENSG00000105258	POLR2I	1.071233783	3.93E-05
ENSG00000120688	WBP4	1.071267669	0.002318126
ENSG00000135829	DHX9	1.071333441	0.00019958
ENSG00000177683	THAP5	1.071424797	0.000244866
ENSG00000262246	CORO7	1.071436459	0.038692458
ENSG00000054282	SDCCAG8	1.071456349	0.000665257
ENSG00000076351	SLC46A1	1.071463857	0.000706412
ENSG00000214078	CPNE1	1.071482029	0.001673511
ENSG00000147162	OGT	1.07153387	0.039908366
ENSG00000174358	SLC6A19	1.071560961	0.001657513
ENSG00000130811	EIF3G	1.071561525	1.24E-07
ENSG00000204116	CHIC1	1.071563777	0.006156854
ENSG00000065548	ZC3H15	1.07156462	2.88E-06
ENSG00000159714	ZDHHC1	1.071574375	8.26E-05
ENSG00000182952	HMGNA4	1.0716153	6.28E-05
ENSG00000198786	MT-ND5	1.071646269	0.026713599
ENSG00000154134	ROBO3	1.071666559	0.006857351
ENSG00000204472	AIF1	1.071686419	0.004560702
ENSG00000163795	ZNF513	1.071688852	0.001302928
ENSG00000123992	DNPEP	1.071715816	0.005616606

ENSG00000160908	ZNF394	1.071734654	0.00368799
ENSG00000170689	HOXB9	1.071770826	2.25E-05
ENSG00000159063	ALG8	1.071774071	0.000212807
ENSG00000105327	BBC3	1.0718206	0.000938794
ENSG00000186198	SLC51B	1.071858195	0.04266888
ENSG00000007908	SELE	1.071869758	0.004192384
ENSG00000170791	CHCHD7	1.071905125	0.000155526
ENSG00000100564	PIGH	1.071914535	3.81E-05
ENSG00000182307	C8orf33	1.071921913	0.002130372
ENSG00000138398	PPIG	1.071939422	3.05E-06
ENSG00000169783	LINGO1	1.071954323	0.000203636
ENSG00000107651	SEC23IP	1.071961531	0.000233214
ENSG00000131153	GINS2	1.071970463	0.001709393
ENSG00000177189	RPS6KA3	1.071974063	0.00090674
ENSG00000116783	TNNI3K	1.071993147	0.000998375
ENSG00000105483	CARD8	1.071994768	0.00019903
ENSG00000180879	SSR4	1.071995545	3.52E-06
ENSG00000153879	CEBPG	1.072013198	7.18E-05
ENSG00000040199	PHLPP2	1.072025089	2.49E-05
ENSG00000136628	EPRS	1.072039525	3.86E-05
ENSG00000211450	C11orf31	1.072088954	5.22E-06
ENSG00000181396	OGFOD3	1.072094807	0.001387487
ENSG00000143368	SF3B4	1.072124801	0.001474488
ENSG00000185565	LSAMP	1.072129486	0.014307864
ENSG00000135314	KHDC1	1.072162037	0.012581663
ENSG00000115520	COQ10B	1.072163953	3.73E-06
ENSG00000151376	ME3	1.07216627	0.02604118
ENSG00000122482	ZNF644	1.072196396	0.000140667
ENSG00000133318	RTN3	1.072203699	0.018123422
ENSG00000172465	TCEAL1	1.072220048	0.026922577
ENSG00000172955	ADH6	1.072258441	0.041045905
ENSG00000174844	DNAH12	1.072281484	0.007272416
ENSG00000169679	BUB1	1.072284535	3.80E-06
ENSG00000204899	MZT1	1.072394054	0.009567094
ENSG00000091129	NRCAM	1.07239696	0.002990501
ENSG00000102393	GLA	1.07240025	0.007694334
ENSG00000177311	ZBTB38	1.07240943	0.000198345
ENSG00000134480	CCNH	1.072450143	0.000255494
ENSG00000106263	EIF3B	1.072480198	0.005398571
ENSG00000129675	ARHGEF6	1.072492076	0.046430495
ENSG00000183513	COA5	1.07250941	2.52E-08
ENSG00000163714	U2SURP	1.072519988	0.045263675
ENSG00000204859	ZBTB48	1.07252489	4.97E-05
ENSG00000135976	ANKRD36	1.072525253	0.029768424
ENSG00000165704	HPRT1	1.072587989	0.024937089
ENSG00000165879	FRAT1	1.072616659	0.012100578
ENSG00000110172	CHORDC1	1.072635434	0.035326635

ENSG00000234769	WASH4P	1.072698158	0.000761163
ENSG00000134291	TMEM106C	1.072701157	0.036000042
ENSG00000029993	HMGB3	1.072704584	0.002429787
ENSG00000116922	C1orf109	1.072708934	0.004004761
ENSG00000148450	MSRB2	1.072727668	0.000184896
ENSG00000127528	KLF2	1.072742064	0.015131402
ENSG00000089685	BIRC5	1.072757155	0.018359231
ENSG00000150990	DHX37	1.072787849	3.64E-05
ENSG00000101986	ABCD1	1.072800091	5.38E-06
ENSG00000175182	FAM131A	1.072850529	6.32E-06
ENSG00000157557	ETS2	1.07285629	0.014711637
ENSG00000148019	CEP78	1.07288294	0.003557434
ENSG00000117877	CD3EAP	1.072890954	0.001304093
ENSG00000164463	CREBRF	1.072899914	0.004094711
ENSG00000176953	NFATC2IP	1.07290134	1.85E-05
ENSG00000161021	MAML1	1.072959145	4.64E-08
ENSG00000106400	ZNHIT1	1.072971609	0.002094233
ENSG00000135625	EGR4	1.073004831	0.045706587
ENSG00000143303	RRNAD1	1.073005928	6.08E-05
ENSG00000124116	WFDC3	1.073008945	0.030791078
ENSG00000135801	TAF5L	1.073061526	2.74E-06
ENSG00000178821	TMEM52	1.07308833	0.011025264
ENSG00000167476	JSRP1	1.073109582	0.012098694
ENSG00000110888	CAPRIN2	1.073128363	0.037342858
ENSG00000150456	N6AMT2	1.073137322	0.001994628
ENSG00000142945	KIF2C	1.073146813	0.012826172
ENSG00000198467	TPM2	1.073156245	5.49E-06
ENSG00000196812	ZSCAN16	1.073189029	0.013257521
ENSG00000214113	LYRM4	1.073213537	0.001132712
ENSG00000117984	CTSD	1.073240899	0.003506222
ENSG00000143799	PARP1	1.073310817	0.006036374
ENSG00000115524	SF3B1	1.073317448	0.028264766
ENSG00000064995	TAF11	1.073338687	0.018856143
ENSG00000135094	SDS	1.073356949	0.006591357
ENSG00000147133	TAF1	1.073423109	0.000101723
ENSG00000111912	NCOA7	1.073484792	5.46E-05
ENSG00000170266	GLB1	1.073501446	0.01562263
ENSG00000089682	RBM41	1.073505156	0.033251082
ENSG00000198824	CHAMP1	1.073557368	0.000716167
ENSG00000139567	ACVRL1	1.073560663	0.003101551
ENSG00000114767	RRP9	1.073563014	6.04E-05
ENSG00000055118	KCNH2	1.073610711	4.26E-05
ENSG00000138092	CENPO	1.073647216	0.002900736
ENSG00000124406	ATP8A1	1.073651012	0.005399851
ENSG00000110090	CPT1A	1.073690215	0.002371769
ENSG00000157212	PAXIP1	1.073703468	0.00442044
ENSG00000174891	RSRC1	1.073754072	6.18E-06

ENSG00000141452	C18orf8	1.073755159	0.01499796
ENSG00000149262	INTS4	1.073757498	0.003944922
ENSG00000173511	VEGFB	1.073773097	0.00111917
ENSG00000127870	RNF6	1.073774318	0.000327457
ENSG00000112029	FBXO5	1.073799474	0.012094793
ENSG00000167384	ZNF180	1.073804984	0.02672818
ENSG00000124226	RNF114	1.073843859	0.022396168
ENSG00000235750	KIAA0040	1.073906328	0.00286148
ENSG00000244291	C7orf13	1.073928484	0.005938024
ENSG00000090097	PCBP4	1.073949992	0.000482209
ENSG00000213930	GALT	1.073973154	0.000543605
ENSG00000144711	IQSEC1	1.073981341	0.000330757
ENSG00000186532	SMYD4	1.074073145	7.02E-05
ENSG00000119523	ALG2	1.074084105	3.13E-07
ENSG00000176894	PXMP2	1.074134269	0.006392354
ENSG00000135749	PCNXL2	1.074138388	0.000475956
ENSG00000100345	MYH9	1.074139773	7.34E-06
ENSG00000183066	WBP2NL	1.0741845	0.017460462
ENSG00000165388	ZNF488	1.074190273	0.000693749
ENSG00000102096	PIM2	1.074242798	0.035425803
ENSG00000243147	MRPL33	1.074291248	2.57E-07
ENSG00000141456	PELP1	1.074298726	2.21E-05
ENSG00000105732	ZNF574	1.07433337	9.78E-06
ENSG00000182504	CEP97	1.074366259	0.002658965
ENSG00000198585	NUDT16	1.074396224	1.04E-05
ENSG00000139579	NABP2	1.074400464	0.022818321
ENSG00000198700	IPO9	1.074430488	0.000146507
ENSG00000106348	IMPDH1	1.074444561	0.001514961
ENSG00000196417	ZNF765	1.074471705	2.26E-07
ENSG00000122376	FAM35A	1.074481547	0.000264015
ENSG00000077044	DGKD	1.074504776	0.001512359
ENSG00000144852	NR1I2	1.074508286	0.046983297
ENSG00000153317	ASAP1	1.074515764	0.000562247
ENSG00000102081	FMR1	1.074547054	0.003289472
ENSG00000119681	LTBP2	1.07457481	0.007609918
ENSG00000133195	SLC39A11	1.07458227	3.09E-05
ENSG00000185339	TCN2	1.074618295	3.74E-05
ENSG00000066697	MSANTD3	1.074618299	0.000841474
ENSG00000116560	SFPQ	1.074620308	0.011992037
ENSG00000117385	LEPRE1	1.074639427	0.010865047
ENSG00000095380	NANS	1.07467209	0.033701361
ENSG00000172216	CEBPB	1.074720657	0.018367535
ENSG00000114904	NEK4	1.074724157	0.002375614
ENSG00000168137	SETD5	1.074750658	0.026801325
ENSG00000112280	COL9A1	1.074819299	7.55E-05
ENSG00000166337	TAF10	1.074859388	1.20E-05
ENSG00000126522	ASL	1.074920433	0.048281508

ENSG00000133119	RFC3	1.074936674	0.003939616
ENSG00000120693	SMAD9	1.074984425	0.007081198
ENSG00000218891	ZNF579	1.074998939	6.15E-05
ENSG00000213341	CHUK	1.074999431	0.001648382
ENSG00000023902	PLEKHO1	1.075004993	0.017248645
ENSG00000124459	ZNF45	1.075015448	0.000350518
ENSG00000112759	SLC29A1	1.075020651	0.004745181
ENSG00000110925	CSRNP2	1.075079295	9.55E-05
ENSG00000168763	CNNM3	1.075093166	0.018564794
ENSG00000221990	C5orf55	1.075114006	0.032067013
ENSG00000171865	RNASEH1	1.075121735	4.01E-05
ENSG00000068912	ERLEC1	1.075131566	9.44E-06
ENSG00000165626	BEND7	1.07513569	0.002952524
ENSG00000164466	SFXN1	1.075137668	0.009238053
ENSG00000184014	DENND5A	1.075151743	0.033483374
ENSG00000143815	LBR	1.075187955	4.63E-05
ENSG00000151414	NEK7	1.075214533	0.002438288
ENSG00000124126	PREX1	1.075271287	0.012291515
ENSG00000166831	RBPMS2	1.075280163	0.049589751
ENSG00000164972	C9orf24	1.075332776	0.002694636
ENSG00000026950	BTN3A1	1.075338404	0.010444211
ENSG00000151790	TDO2	1.075385505	0.0235643
ENSG00000163428	LRRC58	1.075420378	5.00E-06
ENSG00000168903	BTNL3	1.0754327	0.001479276
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ENSG00000172239	PAIP1	1.075450581	0.002529438
ENSG00000120498	TEX11	1.075466355	0.008740925
ENSG00000114455	HHLA2	1.075474464	0.000284981
ENSG00000161653	NAGS	1.075476262	0.003536654
ENSG00000146909	NOM1	1.075481422	0.003563187
ENSG00000121577	POPDC2	1.075515614	0.000837202
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ENSG00000157456	CCNB2	1.0755597	0.015116454
ENSG00000142065	ZFP14	1.075618562	0.01463462
ENSG00000167705	RILP	1.075620942	6.91E-05
ENSG00000174606	ANGEL2	1.075636159	0.001517699
ENSG00000197892	KIF13B	1.075649058	0.001790949
ENSG00000148834	GSTO1	1.075649994	0.006417933
ENSG00000114503	NCBP2	1.075707202	0.030645508
ENSG00000180992	MRPL14	1.075711785	1.23E-06
ENSG00000143036	SLC44A3	1.075716879	0.004124207
ENSG00000254531	AP001816.1	1.075768315	0.002125244
ENSG00000134597	RBMX2	1.075782905	0.043194052
ENSG00000204713	TRIM27	1.075804375	0.001721833
ENSG00000008853	RHOBTB2	1.07580846	7.38E-05
ENSG00000126756	UXT	1.075824126	7.48E-06
ENSG00000097021	ACOT7	1.075849528	0.000236374

ENSG00000182871	COL18A1	1.075887942	0.019095279
ENSG00000143153	ATP1B1	1.075933121	0.007084442
ENSG00000092421	SEMA6A	1.075944818	0.043498753
ENSG00000005189	AC004381.6	1.075945392	0.008613079
ENSG00000180953	ST20	1.076000983	0.015615186
ENSG00000121104	FAM117A	1.076006956	0.033451145
ENSG00000164221	CCDC112	1.07601467	0.001384157
ENSG00000073417	PDE8A	1.07604007	3.50E-05
ENSG00000111335	OAS2	1.076051901	0.047709615
ENSG00000176887	SOX11	1.076113238	0.000777054
ENSG00000094975	SUCO	1.076123245	0.038856955
ENSG00000110031	LPXN	1.076124733	0.019815614
ENSG00000196998	WDR45	1.076127483	0.00167631
ENSG00000182963	GJC1	1.076130688	0.002540767
ENSG00000106591	MRPL32	1.076136976	2.16E-09
ENSG00000142910	TINAGL1	1.076150906	0.000298384
ENSG00000198113	TOR4A	1.076155558	0.000301572
ENSG00000154358	OBSCN	1.076162661	2.34E-05
ENSG00000126453	BCL2L12	1.076201497	0.000146556
ENSG00000139496	NUPL1	1.076216569	0.021063896
ENSG00000164626	KCNK5	1.07623291	0.029487022
ENSG00000179222	MAGED1	1.076235638	0.011267017
ENSG00000261787	TCF24	1.076248976	3.13E-06
ENSG00000103363	TCEB2	1.076316964	6.98E-07
ENSG00000006282	SPATA20	1.076338147	0.029479369
ENSG00000171320	ESCO2	1.076405527	0.00149786
ENSG00000130775	THEMIS2	1.076422164	0.036430196
ENSG00000168944	CEP120	1.076463655	0.000125419
ENSG00000164761	TNFRSF11B	1.076485665	0.013153167
ENSG00000183665	TRMT12	1.076505788	0.015944003
ENSG00000204217	BMPR2	1.07650818	0.004494953
ENSG00000180035	ZNF48	1.07651917	1.65E-06
ENSG00000133315	MACROD1	1.076524114	0.012489655
ENSG00000168242	HIST1H2BI	1.076567397	0.024631914
ENSG00000175279	APITD1	1.076573101	0.002303025
ENSG00000198743	SLC5A3	1.076584904	0.000785003
ENSG00000108384	RAD51C	1.076609202	0.000774637
ENSG00000115687	PASK	1.076648155	0.006153079
ENSG00000135482	ZC3H10	1.076715212	0.000974059
ENSG00000132635	PCED1A	1.07671642	0.000594373
ENSG00000140694	PARN	1.076718374	0.000729021
ENSG00000170584	NUDCD2	1.076728038	0.020524202
ENSG00000258366	RTEL1	1.076737607	4.04E-07
ENSG00000087086	FTL	1.07674906	0.000451693
ENSG00000168887	C2orf68	1.076755692	0.004002452
ENSG00000169398	PTK2	1.076766205	0.042795994
ENSG00000171840	NINJ2	1.076772623	0.017873346

ENSG00000144182	LIPT1	1.076810787	0.001557323
ENSG00000063241	ISOC2	1.076817245	0.000702905
ENSG00000167721	TSR1	1.076829491	0.034063977
ENSG00000143376	SNX27	1.076843329	0.000735218
ENSG00000174943	KCTD13	1.076843705	0.000556193
ENSG00000128340	RAC2	1.076915225	0.014841027
ENSG00000243279	PRAF2	1.07691628	0.01781498
ENSG00000132623	ANKEF1	1.076930675	0.01618127
ENSG00000103005	USB1	1.076969924	5.38E-07
ENSG00000065328	MCM10	1.077003009	0.023817188
ENSG00000182197	EXT1	1.077018597	0.003528979
ENSG00000204271	SPIN3	1.077128034	0.002080921
ENSG00000168918	INPP5D	1.077133373	0.001714531
ENSG00000143319	ISG20L2	1.077203035	2.77E-06
ENSG00000204060	FOXO6	1.07721588	0.005359154
ENSG00000113657	DPYSL3	1.077239037	0.029222666
ENSG00000085662	AKR1B1	1.077403731	0.022088229
ENSG00000105619	TFPT	1.077422893	0.022170675
ENSG00000145020	AMT	1.077460067	0.027301315
ENSG00000127946	HIP1	1.077560878	0.00038389
ENSG00000087095	NLK	1.077569602	0.007312001
ENSG00000114850	SSR3	1.07758987	8.34E-05
ENSG00000117859	OSBPL9	1.077598828	0.042787536
ENSG00000075234	TTC38	1.077647605	0.002932054
ENSG00000138821	SLC39A8	1.077677425	7.97E-09
ENSG00000132481	TRIM47	1.077687623	0.0003678
ENSG00000070047	PHRF1	1.077740213	3.33E-06
ENSG00000204387	C6orf48	1.0777713	0.000332789
ENSG00000111783	RFX4	1.077793368	0.041803929
ENSG00000145681	HAPLN1	1.077793895	0.015099358
ENSG00000122642	FKBP9	1.077828367	0.000877161
ENSG00000083312	TNPO1	1.077888421	0.025317524
ENSG00000175756	AURKAIP1	1.077910317	6.90E-08
ENSG00000087076	HSD17B14	1.07794414	3.42E-05
ENSG00000127337	YEATS4	1.077945505	0.01210649
ENSG00000178449	COX14	1.077977248	3.28E-07
ENSG00000051009	FAM160A2	1.077982749	0.001067434
ENSG00000139734	DIAPH3	1.077995013	0.017364426
ENSG00000111860	CEP85L	1.078024356	0.00127496
ENSG00000135637	CCDC142	1.07803388	0.000118929
ENSG00000125995	ROMO1	1.078049007	2.25E-05
ENSG00000025293	PHF20	1.078052245	2.41E-07
ENSG00000056097	ZFR	1.078052735	0.000118917
ENSG00000168661	ZNF30	1.07811093	0.044964173
ENSG00000118965	WDR35	1.078112303	0.000165806
ENSG00000002822	MAD1L1	1.078174624	0.008079488
ENSG00000004468	CD38	1.078206433	0.005980773

ENSG00000134900	TPP2	1.07821935	6.88E-05
ENSG00000144642	RBMS3	1.078219584	7.48E-05
ENSG00000206503	HLA-A	1.078224347	0.000155413
ENSG00000165185	KIAA1958	1.07822555	0.000458261
ENSG00000225697	SLC26A6	1.078248939	0.044930627
ENSG00000070214	SLC44A1	1.078285749	0.040631676
ENSG00000182500	ORAI1	1.078300903	0.005779528
ENSG00000075292	ZNF638	1.078316088	0.043938753
ENSG00000123064	DDX54	1.078339386	1.30E-07
ENSG00000119333	WDR34	1.078357841	0.000260421
ENSG00000144827	ABHD10	1.078360417	0.004327607
ENSG00000089022	MAPKAPK5	1.078426925	0.04391413
ENSG00000171227	TMEM37	1.078430125	0.001822004
ENSG00000174371	EXO1	1.078431308	0.001850469
ENSG00000171155	C1GALT1C1	1.078451901	0.024450992
ENSG00000151651	ADAM8	1.07845771	1.12E-07
ENSG00000130699	TAF4	1.078510327	5.19E-06
ENSG00000183655	KLHL25	1.078526209	0.000208615
ENSG00000119242	CCDC92	1.078529287	0.001416862
ENSG00000116017	ARID3A	1.078541913	0.004819544
ENSG00000119650	IFT43	1.078552214	3.32E-06
ENSG00000074842	C19orf10	1.078583078	0.000711593
ENSG00000130956	HABP4	1.07862448	5.95E-07
ENSG00000203778	FAM229B	1.078631059	0.002078661
ENSG00000255748	AC226150.4	1.078649855	0.003187635
ENSG00000057663	ATG5	1.078709076	2.90E-05
ENSG00000138185	ENTPD1	1.078716258	0.038332174
ENSG00000064601	CTSA	1.078722164	0.005100194
ENSG00000114126	TFDP2	1.078782537	0.000789214
ENSG00000149269	PAK1	1.078785946	0.013549063
ENSG00000147905	ZCCHC7	1.078792941	0.004085874
ENSG00000162604	TM2D1	1.078906612	5.10E-06
ENSG00000168958	MFF	1.07891383	2.88E-08
ENSG00000182511	FES	1.078944545	8.95E-05
ENSG00000179889	PDXDC1	1.078950894	0.008307382
ENSG00000189057	FAM111B	1.078957177	0.00110798
ENSG00000132963	POMP	1.078967469	7.78E-05
ENSG00000149658	YTHDF1	1.079012648	0.001487631
ENSG00000196976	LAGE3	1.079026853	4.43E-07
ENSG00000178467	P4HTM	1.079036532	0.007724943
ENSG00000161800	RACGAP1	1.079084256	0.003620671
ENSG00000107874	CUEDC2	1.079105788	4.42E-06
ENSG00000111206	FOXMI	1.079119804	0.026216862
ENSG00000196092	PAX5	1.079132869	0.00078853
ENSG00000178177	LCORL	1.079149912	0.001256434
ENSG00000136159	NUDT15	1.079154718	0.000677101
ENSG00000183770	FOXL2	1.079168789	0.042548377

ENSG00000122390	NAA60	1.079185451	7.50E-06
ENSG00000167900	TK1	1.079195161	0.026457231
ENSG00000169957	ZNF768	1.07921521	0.015775148
ENSG00000140836	ZFHX3	1.079242557	7.80E-05
ENSG00000148296	SURF6	1.079247086	2.21E-05
ENSG00000102981	PARD6A	1.079251183	3.70E-07
ENSG00000071564	TCF3	1.07929721	2.18E-08
ENSG00000146828	SLC12A9	1.079338964	0.002771809
ENSG00000158604	TMED4	1.079394885	4.32E-06
ENSG00000079462	PAFAH1B3	1.079420249	0.000184607
ENSG00000036549	ZZZ3	1.079458939	3.69E-05
ENSG00000100368	CSF2RB	1.079466522	0.04706242
ENSG00000228300	C19orf24	1.079490035	8.31E-08
ENSG00000116985	BMP8B	1.079513929	1.01E-07
ENSG00000130517	PGPEP1	1.07953365	2.91E-05
ENSG00000151067	CACNA1C	1.079546244	0.000838714
ENSG00000120533	ENY2	1.079554409	0.021621952
ENSG00000164056	SPRY1	1.079587869	7.03E-06
ENSG00000152443	ZNF776	1.079593964	0.000168586
ENSG00000123485	HJURP	1.07959598	0.028664074
ENSG00000108773	KAT2A	1.079606008	4.43E-05
ENSG00000137103	TMEM8B	1.07960744	0.00124235
ENSG00000188295	ZNF669	1.079608673	0.001195822
ENSG00000065809	FAM107B	1.079628184	0.024037672
ENSG00000149090	PAMR1	1.079635915	0.017175174
ENSG00000160688	FLAD1	1.07966916	2.16E-05
ENSG00000169562	GJB1	1.079714555	0.037131406
ENSG00000198715	C1orf85	1.079822117	0.003801111
ENSG00000142186	SCYL1	1.079841913	2.07E-10
ENSG00000174197	MGA	1.079853345	0.000818263
ENSG00000187288	CIDEC	1.079915582	0.006012374
ENSG00000115760	BIRC6	1.079938234	2.63E-07
ENSG00000008300	CELSR3	1.07999384	0.044156206
ENSG00000169592	INO80E	1.079997827	0.008383995
ENSG00000169519	METTL15	1.080009138	0.005055394
ENSG00000116127	ALMS1	1.080011154	0.004642854
ENSG00000133657	ATP13A3	1.080072703	0.001036796
ENSG00000266208	CTD-2267D19.3	1.080095917	3.29E-05
ENSG00000119865	CNRIP1	1.08010331	0.033006748
ENSG00000173545	ZNF622	1.080193522	5.40E-05
ENSG00000188313	PLSCR1	1.080217361	0.01065401
ENSG00000198865	CCDC152	1.08022484	0.003021059
ENSG00000154928	EPHB1	1.080229583	0.005431554
ENSG00000137124	ALDH1B1	1.080252181	0.000804561
ENSG00000205791	LOH12CR2	1.080255519	3.47E-05
ENSG00000183145	RIPPLY3	1.080261758	0.049100812
ENSG00000161036	LRWD1	1.080337827	2.70E-06

ENSG00000108771	DHX58	1.080344914	0.000863092
ENSG00000180008	SOCS4	1.080420092	0.00023123
ENSG00000108465	CDK5RAP3	1.080470999	0.012647516
ENSG00000105829	BET1	1.080483381	0.042267815
ENSG00000136122	BORA	1.080552974	0.012555125
ENSG00000211455	STK38L	1.08056061	0.009307302
ENSG00000115107	STEAP3	1.080588341	0.002521079
ENSG00000147257	GPC3	1.080618171	0.019250969
ENSG00000157895	C12orf43	1.080620641	1.45E-05
ENSG00000214106	PAXIP1-AS2	1.080634282	0.000237521
ENSG00000149554	CHEK1	1.080645021	0.009642146
ENSG00000146729	GBAS	1.080653966	0.00355993
ENSG00000107745	MICU1	1.08067369	0.006479857
ENSG00000175792	RUVBL1	1.080697824	0.000247824
ENSG00000109323	MANBA	1.080734849	0.004913164
ENSG00000122679	RAMP3	1.080764371	0.011802506
ENSG00000135723	FHOD1	1.080779042	3.64E-07
ENSG00000256771	ZNF253	1.080791952	0.001195734
ENSG00000137804	NUSAP1	1.080792725	0.021398889
ENSG00000133574	GIMAP4	1.080866787	0.030937887
ENSG00000134690	CDCA8	1.080874659	0.023761698
ENSG00000135643	KCNMB4	1.080894478	0.007674197
ENSG00000134013	LOXL2	1.08091685	0.009020168
ENSG00000152527	PLEKHH2	1.080942711	0.000401515
ENSG00000101391	CDK5RAP1	1.081000067	3.59E-08
ENSG00000102226	USP11	1.081011059	0.007165036
ENSG00000101473	ACOT8	1.081011315	0.000527208
ENSG00000132688	NES	1.08105611	0.000499976
ENSG00000241945	PWP2	1.081072734	1.04E-05
ENSG00000122574	WIPF3	1.081084948	0.021832096
ENSG00000140463	BBS4	1.08112528	0.00072864
ENSG00000135002	RFK	1.081192931	0.013952763
ENSG00000188186	LAMTOR4	1.081213659	3.40E-05
ENSG00000131351	HAUS8	1.081241323	2.76E-05
ENSG00000176678	FOXL1	1.081250868	0.000159517
ENSG00000189046	ALKBH2	1.081256258	0.001102191
ENSG00000127314	RAP1B	1.081287058	0.046725339
ENSG00000162972	C2orf47	1.08132178	6.97E-09
ENSG00000086991	NOX4	1.081329426	0.000532752
ENSG00000151503	NCAPD3	1.081364646	5.78E-05
ENSG00000101040	ZMYND8	1.081374479	0.000381241
ENSG00000141349	G6PC3	1.081374853	4.13E-05
ENSG00000198791	CNOT7	1.081379865	0.034628708
ENSG00000183856	IQGAP3	1.081404259	3.29E-05
ENSG00000164970	FAM219A	1.081410119	7.29E-05
ENSG00000090861	AARS	1.081422701	0.02033711
ENSG00000004399	PLXND1	1.081430003	0.008531869

ENSG00000101199	ARFGAP1	1.081435386	0.008523304
ENSG00000180998	GPR137C	1.081473262	0.047688509
ENSG00000134817	APLNR	1.081580308	0.003499052
ENSG00000154144	TBRG1	1.081626462	0.000324372
ENSG00000140262	TCF12	1.081642565	0.000175271
ENSG00000136451	VEZF1	1.08166382	3.09E-05
ENSG00000120697	ALG5	1.081664143	0.004492889
ENSG00000120370	GORAB	1.081713332	0.004888814
ENSG00000180801	ARSJ	1.081737386	0.000321693
ENSG00000131013	PPIL4	1.081751415	0.00331464
ENSG00000168646	AXIN2	1.081767429	0.003896749
ENSG00000184831	APOO	1.081769002	0.002162975
ENSG00000176978	DPP7	1.08180708	3.31E-05
ENSG00000105707	HPN	1.081808552	0.018901151
ENSG00000139645	ANKRD52	1.081809884	6.86E-08
ENSG0000006074	CCL18	1.081810038	0.033525667
ENSG00000112763	BTN2A1	1.081825532	9.86E-07
ENSG00000197020	ZNF100	1.081846452	0.000156604
ENSG00000055163	CYFIP2	1.081884851	0.030435961
ENSG00000148123	LPPR1	1.081891233	0.023647918
ENSG00000131378	RFTN1	1.081912615	1.63E-05
ENSG00000052841	TTC17	1.081929548	1.22E-06
ENSG00000162687	KCNT2	1.082052897	0.011861767
ENSG00000138814	PPP3CA	1.082098975	7.14E-06
ENSG00000204070	SYS1	1.082113994	8.02E-05
ENSG00000139168	ZCRB1	1.082143281	6.66E-08
ENSG00000136718	IMP4	1.082155287	1.34E-06
ENSG00000117834	SLC5A9	1.08218847	0.012505478
ENSG00000115942	ORC2	1.082218243	5.66E-06
ENSG00000130529	TRPM4	1.082234249	0.002010546
ENSG00000171224	C10orf35	1.082284457	0.004999165
ENSG00000156973	PDE6D	1.082355508	1.73E-05
ENSG00000087338	GMCL1	1.082358478	0.000719092
ENSG00000166197	NOLC1	1.082359099	2.32E-05
ENSG00000105223	PLD3	1.082384278	0.001041678
ENSG00000122870	BICC1	1.082422288	0.001007028
ENSG00000204954	C12orf73	1.08242361	9.30E-05
ENSG00000101346	POFUT1	1.08244733	8.59E-10
ENSG00000173272	MZT2A	1.082451979	3.41E-07
ENSG00000120093	HOXB3	1.082502597	0.000309834
ENSG00000153936	HS2ST1	1.082506445	0.002817444
ENSG00000163655	GMPS	1.082518078	0.000438064
ENSG00000186416	NKRF	1.082528596	4.35E-05
ENSG00000182866	LCK	1.082546898	0.023352706
ENSG00000203760	CENPW	1.082573427	0.00671188
ENSG00000079691	LRRC16A	1.082583131	0.049669615
ENSG00000143297	FCRL5	1.08258405	0.045486156

ENSG00000151332	MBIP	1.082585616	0.035145256
ENSG00000119684	MLH3	1.082629178	3.70E-05
ENSG00000081870	HSPB11	1.082725459	5.42E-05
ENSG00000136859	ANGPTL2	1.082742804	0.001824824
ENSG00000138036	DYNC2LI1	1.082773201	0.012301707
ENSG00000131148	EMC8	1.082818787	4.81E-08
ENSG00000164741	DLC1	1.082884092	0.00033612
ENSG00000125844	RRBP1	1.082885404	0.001118306
ENSG00000135315	KIAA1009	1.082948094	0.000524726
ENSG00000065308	TRAM2	1.082983408	0.003508766
ENSG00000117983	MUC5B	1.082992718	0.028774257
ENSG00000080493	SLC4A4	1.082999594	0.009437675
ENSG00000090020	SLC9A1	1.083002597	0.000160282
ENSG00000010626	LRRC23	1.083007212	6.16E-05
ENSG00000167004	PDIA3	1.08311347	0.000983887
ENSG00000244754	N4BP2L2	1.083158132	0.000252977
ENSG00000100228	RAB36	1.08316382	0.002014171
ENSG00000167258	CDK12	1.083180107	0.000362894
ENSG00000088179	PTPN4	1.083187011	5.75E-05
ENSG00000162290	DCP1A	1.083239524	5.88E-07
ENSG00000125629	INSIG2	1.083259024	0.000307792
ENSG00000198952	SMG5	1.083286245	4.91E-08
ENSG00000108829	LRRC59	1.083317715	0.000182101
ENSG00000167315	ACAA2	1.083444033	0.000268765
ENSG00000048828	FAM120A	1.08345809	1.18E-08
ENSG00000138193	PLCE1	1.083473481	0.043483055
ENSG00000169876	MUC17	1.083509349	0.001674697
ENSG00000130309	COLGALT1	1.083574315	0.00115793
ENSG00000149483	TMEM138	1.083575767	7.38E-06
ENSG00000013275	PSMC4	1.083579996	6.86E-06
ENSG00000152778	IFIT5	1.083589732	0.011750246
ENSG00000241127	YAE1D1	1.083611993	0.000286693
ENSG00000106399	RPA3	1.083633866	0.002075766
ENSG00000160190	SLC37A1	1.0836362	0.000638684
ENSG00000136731	UGGT1	1.083644235	0.000952718
ENSG00000107872	FBXL15	1.083660963	0.00029369
ENSG00000106609	TMEM248	1.083742139	0.005294922
ENSG00000162298	SYVN1	1.083742657	5.67E-05
ENSG00000112769	LAMA4	1.083753036	7.33E-07
ENSG00000160741	CRTC2	1.083757235	4.16E-06
ENSG00000204610	TRIM15	1.083778196	0.045268288
ENSG00000143322	ABL2	1.083782171	1.10E-05
ENSG00000105136	ZNF419	1.083799556	0.000552892
ENSG00000169891	REPS2	1.083801156	0.02528336
ENSG00000005436	GCFC2	1.083836459	0.003829605
ENSG00000043143	JADE2	1.0838947	3.28E-07
ENSG00000137812	CASC5	1.083930675	0.000789159

ENSG00000198554	WDHD1	1.083940535	0.042054539
ENSG00000120458	MSANTD2	1.083940654	0.008291448
ENSG00000139132	FGD4	1.083942743	0.001021368
ENSG00000178764	ZHX2	1.083966024	3.52E-05
ENSG00000213563	C8orf82	1.084015419	0.001580996
ENSG00000137962	ARHGAP29	1.084026054	4.18E-05
ENSG00000070950	RAD18	1.084037401	5.84E-08
ENSG00000136897	MRPL50	1.084069615	0.00014813
ENSG00000117480	FAAH	1.084115601	0.01126726
ENSG00000108651	UTP6	1.084128803	0.000132842
ENSG00000111364	DDX55	1.084147759	0.007227224
ENSG00000169598	DFFB	1.084148881	0.01197739
ENSG00000141698	NT5C3B	1.08415057	0.006133815
ENSG00000165895	ARHGAP42	1.08416712	2.20E-05
ENSG00000113552	GNPDA1	1.08419958	0.009253533
ENSG00000166801	FAM111A	1.084243562	0.001295586
ENSG00000160991	ORAI2	1.084309857	1.58E-06
ENSG00000170703	TTLL6	1.0843265	0.020986801
ENSG00000182308	DCAF4L1	1.084369987	0.015229398
ENSG00000182319	SGK223	1.084381384	0.000165757
ENSG00000149328	GLB1L2	1.084425099	0.007798074
ENSG00000126351	THRA	1.084465535	1.31E-05
ENSG00000122033	MTIF3	1.084478636	0.000310405
ENSG00000244462	RBM12	1.08449624	2.92E-05
ENSG00000103056	SMPD3	1.084539741	0.001782058
ENSG00000165730	STOX1	1.084561221	0.004172507
ENSG00000120686	UFM1	1.084678401	0.02190268
ENSG00000198873	GRK5	1.084749802	0.023747639
ENSG00000128039	SRD5A3	1.084765368	0.012146154
ENSG00000101665	SMAD7	1.084775265	0.034015587
ENSG00000178386	ZNF223	1.084803342	0.021631503
ENSG00000100065	CARD10	1.084853832	2.48E-08
ENSG00000179041	RRS1	1.084865334	0.041955398
ENSG00000149346	SLX4IP	1.08486772	0.003441913
ENSG00000206535	LNP1	1.084868642	8.17E-06
ENSG00000130921	C12orf65	1.084869126	4.27E-08
ENSG00000105281	SLC1A5	1.084893679	0.000192092
ENSG00000099381	SETD1A	1.084908954	7.64E-07
ENSG00000111802	TDP2	1.08491884	7.58E-05
ENSG00000140455	USP3	1.084976943	0.0214727
ENSG00000228278	ORM2	1.085096393	0.02458532
ENSG00000256269	HMBS	1.085109073	0.011606371
ENSG00000123143	PKN1	1.085166218	0.002246221
ENSG00000163827	LRRC2	1.085180287	0.00480724
ENSG00000147872	PLIN2	1.085308685	0.025181053
ENSG00000138433	CIR1	1.085325076	0.000190249
ENSG00000168496	FEN1	1.08534378	0.000749362

ENSG00000113456	RAD1	1.085391514	0.00167762
ENSG00000114859	CLCN2	1.085458453	3.33E-05
ENSG00000138639	ARHGAP24	1.085478688	0.000574423
ENSG00000135336	ORC3	1.085490023	0.002133895
ENSG00000188732	FAM221A	1.08550136	0.003762563
ENSG00000128228	SDF2L1	1.08550333	0.000875928
ENSG00000111450	STX2	1.085504225	4.39E-05
ENSG00000102890	ELMO3	1.085525231	0.008878574
ENSG00000147488	ST18	1.085530165	0.047129108
ENSG00000178105	DDX10	1.085539241	0.00323874
ENSG00000105708	ZNF14	1.085568322	0.003252533
ENSG00000062716	VMP1	1.085576684	0.009910685
ENSG00000068438	FTSJ1	1.085586604	0.00037625
ENSG00000168214	RBPJ	1.085593455	0.037327957
ENSG00000108055	SMC3	1.085611605	0.003269818
ENSG00000099998	GGT5	1.085627325	4.16E-05
ENSG00000040487	PQLC2	1.085668379	6.32E-05
ENSG00000136261	BZW2	1.085674828	0.001079943
ENSG00000173207	CKS1B	1.085678477	0.001526931
ENSG00000135317	SNX14	1.085701503	0.000494
ENSG00000073464	CLCN4	1.085755421	5.82E-06
ENSG00000147246	HTR2C	1.085764391	0.021240625
ENSG00000269343	ZNF587B	1.085800498	0.000305385
ENSG00000134253	TRIM45	1.085820412	0.001003811
ENSG00000155438	NIFK	1.085872776	1.21E-05
ENSG00000134470	IL15RA	1.08589274	0.004223057
ENSG00000072786	STK10	1.085899934	0.013881449
ENSG00000108294	PSMB3	1.085905232	0.04029428
ENSG00000173821	RNF213	1.085939949	2.68E-06
ENSG00000104951	IL4I1	1.085953319	0.00015748
ENSG00000162714	ZNF496	1.08600653	6.81E-07
ENSG00000118292	C1orf54	1.086092337	0.000538143
ENSG00000068650	ATP11A	1.086117338	2.42E-09
ENSG00000102755	FLT1	1.086151878	0.027876246
ENSG00000076604	TRAF4	1.086158581	1.37E-05
ENSG00000081320	STK17B	1.086159158	0.003698977
ENSG00000107949	BCCIP	1.086170788	0.000105926
ENSG00000102858	MGRN1	1.086190643	0.003191299
ENSG00000125505	MBOAT7	1.086200997	2.73E-08
ENSG00000104321	TRPA1	1.086219396	0.010379313
ENSG00000075539	FRYL	1.086225386	2.38E-05
ENSG00000145332	KLHL8	1.086266711	0.006092734
ENSG00000100889	PCK2	1.086340692	0.034344655
ENSG00000136147	PHF11	1.086361586	0.021294267
ENSG00000020922	MRE11A	1.086388939	0.000211515
ENSG00000108344	PSMD3	1.086393807	0.005701872
ENSG00000106384	MOGAT3	1.086409326	0.00602796

ENSG00000128513	POT1	1.086443051	2.80E-05
ENSG00000109618	SEPSECS	1.086476905	0.023068908
ENSG00000153774	CFDP1	1.08649681	0.040117119
ENSG00000139946	PELI2	1.086532104	0.017505667
ENSG00000070476	ZXDC	1.086588806	3.27E-05
ENSG00000242013	USP27X	1.086644937	0.002816592
ENSG00000134686	PHC2	1.086675999	0.013200181
ENSG00000147459	DOCK5	1.086717031	0.011721332
ENSG00000162976	PQLC3	1.086759112	0.001349547
ENSG00000198892	SHISA4	1.086794542	6.76E-05
ENSG00000198088	NUP62CL	1.086810216	0.009698569
ENSG00000130202	PVRL2	1.086838476	0.002377607
ENSG00000164684	ZNF704	1.08685859	9.72E-07
ENSG00000035141	FAM136A	1.086917047	0.000618553
ENSG00000181004	BBS12	1.086927663	0.0243177
ENSG00000110628	SLC22A18	1.08701899	0.02794003
ENSG00000071894	CPSF1	1.08712607	1.12E-07
ENSG00000080824	HSP90AA1	1.087173853	0.021203699
ENSG00000181031	RPH3AL	1.087174818	0.012552394
ENSG00000094804	CDC6	1.087202457	0.002838525
ENSG00000158555	GDPD5	1.087232732	0.000659319
ENSG00000167468	GPX4	1.087245292	1.98E-06
ENSG00000104835	SARS2	1.087245556	0.000200344
ENSG00000138495	COX17	1.087278675	0.014467011
ENSG00000149231	CCDC82	1.087292768	0.002343897
ENSG00000034533	ASTE1	1.087332253	2.12E-05
ENSG00000151748	SAV1	1.087400413	5.24E-05
ENSG00000205133	TRIQK	1.087411857	0.000490697
ENSG00000101443	WFDC2	1.087540931	0.000139785
ENSG00000093009	CDC45	1.087609	0.009179749
ENSG00000011258	MBTD1	1.087611631	0.043942329
ENSG00000135953	MFSD9	1.087616037	6.76E-05
ENSG00000129048	ACKR4	1.087643815	0.035206503
ENSG00000154328	NEIL2	1.087648309	0.026217308
ENSG00000137842	TMEM62	1.087650618	0.022464152
ENSG00000169371	SNUPN	1.087653035	3.63E-06
ENSG00000183864	TOB2	1.087666293	0.035542821
ENSG00000151240	DIP2C	1.087710408	5.19E-05
ENSG00000179588	ZFPM1	1.087735118	0.005418107
ENSG00000182154	MRPL41	1.087740388	4.19E-08
ENSG00000112761	WISP3	1.087763484	0.040870038
ENSG00000136811	ODF2	1.087766537	5.21E-06
ENSG00000055332	EIF2AK2	1.087777792	0.0448679
ENSG00000135972	MRPS9	1.087791087	6.84E-07
ENSG00000136868	SLC31A1	1.087795099	0.005508422
ENSG00000142552	RCN3	1.087816952	0.027336269
ENSG00000005471	ABC4	1.087891616	0.005966693

ENSG00000111731	C2CD5	1.087935011	0.028304896
ENSG00000177842	ZNF620	1.088005844	0.00074312
ENSG00000126778	SIX1	1.088059426	0.000107289
ENSG00000135763	URB2	1.088091977	0.000187868
ENSG00000126261	UBA2	1.088133048	2.29E-05
ENSG00000196367	TRRAP	1.088199553	0.001990919
ENSG00000101407	TTI1	1.088226936	0.022417489
ENSG00000203876	RP11-451M19.3	1.08823786	0.007982084
ENSG00000188158	NHS	1.088245406	0.005102441
ENSG00000161638	ITGA5	1.088271501	0.000156056
ENSG00000101049	SGK2	1.088340525	0.0484131
ENSG00000165684	SNAPC4	1.08835797	3.81E-07
ENSG00000166669	ATF7IP2	1.08838606	0.001220053
ENSG00000187569	DPPA3	1.088391717	0.04343286
ENSG00000145685	LHFPL2	1.088444085	0.017932117
ENSG00000078579	FGF20	1.088457179	0.009162142
ENSG00000131373	HACL1	1.088513719	2.88E-05
ENSG00000186871	ERCC6L	1.08852015	0.006802843
ENSG00000060339	CCAR1	1.088523192	3.19E-08
ENSG00000166803	KIAA0101	1.0885301	0.024255367
ENSG00000168890	TMEM150A	1.088611573	3.58E-05
ENSG00000082898	XPO1	1.088611795	0.03025473
ENSG00000103550	KNOP1	1.088657304	3.88E-05
ENSG00000198855	FICD	1.088712541	0.002332785
ENSG00000165752	STK32C	1.088713911	1.71E-05
ENSG00000166004	KIAA1731	1.08871899	9.77E-05
ENSG00000168566	SNRNP48	1.088724709	0.000901861
ENSG00000161013	MGAT4B	1.088762944	0.019318495
ENSG00000196712	NF1	1.088832295	2.66E-07
ENSG00000184162	NR2C2AP	1.088868228	2.78E-06
ENSG00000196507	TCEAL3	1.088870981	0.000671916
ENSG00000136869	TLR4	1.08889462	2.01E-05
ENSG00000170035	UBE2E3	1.088895713	3.97E-08
ENSG00000104218	CSPP1	1.088925293	2.23E-05
ENSG00000156384	SFR1	1.088932863	0.001336724
ENSG00000122729	ACO1	1.088934671	2.74E-05
ENSG00000198908	BHLHB9	1.088939255	0.012153482
ENSG00000129083	COPB1	1.088940954	0.017526659
ENSG00000143889	HNRNPLL	1.088964031	2.66E-05
ENSG00000163882	POLR2H	1.088966979	0.000595922
ENSG00000120659	TNFSF11	1.088972664	0.000291181
ENSG00000143867	OSR1	1.08898815	0.000509928
ENSG00000204386	NEU1	1.08902357	0.049696892
ENSG00000255394	C8orf49	1.089049249	0.007394263
ENSG00000076555	ACACB	1.089123041	0.001975193
ENSG00000169122	FAM110B	1.089129615	0.010164379
ENSG00000183098	GPC6	1.089160048	6.51E-05

ENSG00000153147	SMARCA5	1.089207159	1.04E-05
ENSG00000184979	USP18	1.089218671	0.014717646
ENSG00000198089	SFI1	1.089231322	5.56E-05
ENSG00000112242	E2F3	1.089281419	0.011691633
ENSG00000054793	ATP9A	1.089312939	0.007015028
ENSG00000163902	RPN1	1.089313705	3.98E-05
ENSG00000118900	UBN1	1.089349232	2.08E-09
ENSG00000171843	MLLT3	1.089387972	0.002248274
ENSG00000140525	FANCI	1.089397018	0.011383775
ENSG00000136518	ACTL6A	1.089397178	0.010092043
ENSG00000184545	DUSP8	1.08940888	0.016023301
ENSG00000146592	CREB5	1.089490431	0.000991913
ENSG00000196247	ZNF107	1.089531729	6.74E-05
ENSG00000264324	RP11-287D1.3	1.08957182	0.001532408
ENSG00000108270	AATF	1.08958208	0.000136987
ENSG00000100888	CHD8	1.089588658	0.007035954
ENSG00000181610	MRPS23	1.089598315	2.42E-05
ENSG00000096872	IFT74	1.089608126	0.042409235
ENSG00000104897	SF3A2	1.089666204	0.008619867
ENSG00000099849	RASSF7	1.089693105	1.87E-06
ENSG00000167513	CDT1	1.089696849	0.004871033
ENSG00000124688	MAD2L1BP	1.089699732	5.03E-06
ENSG00000171055	FEZ2	1.089702363	2.30E-06
ENSG00000174485	DENND4A	1.089762723	0.010426693
ENSG00000125901	MRPS26	1.089784916	4.80E-07
ENSG00000184990	SIVA1	1.089791872	1.40E-06
ENSG00000115239	GPR75-ASB3	1.089817734	0.003001727
ENSG00000136010	ALDH1L2	1.089873546	4.24E-05
ENSG00000163781	TOPBP1	1.089906266	0.018192399
ENSG00000125046	SSUH2	1.089982443	0.003996793
ENSG00000144591	GMPPA	1.089999485	0.001746678
ENSG00000061656	SPAG4	1.090012166	0.027183251
ENSG00000109805	NCAPG	1.090033147	0.015946225
ENSG00000169718	DUS1L	1.090053472	1.33E-07
ENSG00000249437	NAIP	1.090091263	0.000882753
ENSG00000063176	SPHK2	1.090198734	4.75E-06
ENSG00000183486	MX2	1.090227934	0.010408026
ENSG00000044574	HSPA5	1.090229969	0.001556224
ENSG00000165661	QSOX2	1.090257416	1.58E-06
ENSG00000076864	RAP1GAP	1.090263496	0.042078378
ENSG00000137871	ZNF280D	1.090295517	0.000174972
ENSG00000115275	MOGS	1.090325385	0.005706228
ENSG00000135070	ISCA1	1.090329098	1.54E-07
ENSG00000138152	BTBD16	1.090365558	0.047648816
ENSG00000166128	RAB8B	1.090373109	3.18E-05
ENSG00000185532	PRKG1	1.090380897	7.80E-06
ENSG00000183971	NPW	1.090407702	0.014474703

ENSG00000174469	CNTNAP2	1.090426077	0.003939661
ENSG00000089123	TASP1	1.090624319	0.000192118
ENSG00000235034	C19orf81	1.09062523	0.029252151
ENSG00000138382	METTL5	1.090649673	5.43E-08
ENSG00000058085	LAMC2	1.09065844	0.002346604
ENSG00000203859	HSD3B2	1.090673312	0.030852519
ENSG00000101126	ADNP	1.090716269	2.91E-09
ENSG00000128050	PAICS	1.090722081	0.000354546
ENSG00000111644	ACRBP	1.090767488	0.001053146
ENSG00000263002	ZNF234	1.090787352	0.011118385
ENSG00000158457	TSPAN33	1.090817876	3.04E-05
ENSG00000117707	PROX1	1.090874628	0.00297099
ENSG00000169967	MAP3K2	1.090881862	1.11E-08
ENSG00000147955	SIGMAR1	1.090896545	7.59E-05
ENSG00000185187	SIGIRR	1.090944369	0.000944068
ENSG00000137574	TGS1	1.090959772	0.012492005
ENSG00000074590	NUAK1	1.090976121	0.008592485
ENSG00000130204	TOMM40	1.091050871	2.77E-05
ENSG00000167588	GPD1	1.091055928	0.000191932
ENSG00000127334	DYRK2	1.091127831	0.023159476
ENSG00000132819	RBM38	1.091129687	0.030037419
ENSG00000109881	CCDC34	1.091130648	1.69E-05
ENSG00000171130	ATP6V0E2	1.09114287	0.028929837
ENSG00000182481	KPNA2	1.091215938	0.005021123
ENSG00000138074	SLC5A6	1.09123946	1.38E-05
ENSG00000157613	CREB3L1	1.091262909	0.002639597
ENSG00000121057	AKAP1	1.091270263	0.008546572
ENSG00000100077	ADRBK2	1.091293473	0.007823137
ENSG00000183475	ASB7	1.091313356	8.89E-06
ENSG00000139974	SLC38A6	1.091404106	0.004786479
ENSG00000198382	UVRAG	1.091404776	0.030646794
ENSG00000165424	ZCCHC24	1.091416554	0.004527735
ENSG00000165973	NELL1	1.091459223	0.020013683
ENSG00000121797	CCRL2	1.091473205	0.002938594
ENSG00000188818	ZDHHC11	1.091473715	0.037220004
ENSG00000122034	GTF3A	1.091506067	0.009871175
ENSG00000135929	CYP27A1	1.091539776	0.002368381
ENSG00000141574	SECTM1	1.091544101	0.013450779
ENSG00000132953	XPO4	1.09161021	8.55E-05
ENSG00000227507	LTB	1.091671466	0.033483278
ENSG00000123989	CHPF	1.091673489	0.002530122
ENSG00000130755	GMFG	1.091673625	0.012068183
ENSG00000115896	PLCL1	1.091813291	6.22E-05
ENSG00000180448	HMHA1	1.091817652	0.043264489
ENSG00000152193	RNF219	1.091841195	0.018815809
ENSG00000203705	TATDN3	1.091893555	3.20E-06
ENSG00000144445	KANSL1L	1.091963729	0.002358324

ENSG00000009413	REV3L	1.091978611	0.000444257
ENSG00000144747	TMF1	1.09197942	2.81E-05
ENSG00000104660	LEPROTL1	1.092039514	0.001622394
ENSG00000198551	ZNF627	1.092057793	3.33E-06
ENSG00000152904	GGPS1	1.092092973	0.000662417
ENSG00000120539	MASTL	1.092108909	0.020654205
ENSG00000177697	CD151	1.092144807	0.010523132
ENSG00000158966	CACHD1	1.092145515	0.023994897
ENSG00000162174	ASRGL1	1.092146665	0.047342888
ENSG00000163840	DTX3L	1.092153134	5.38E-06
ENSG00000163346	PBXIP1	1.092185827	2.41E-05
ENSG00000120725	SIL1	1.092194575	0.001420535
ENSG00000114861	FOXP1	1.092214339	4.10E-07
ENSG00000065150	IPO5	1.092230809	0.000240995
ENSG00000166352	C11orf74	1.092300643	0.00570568
ENSG00000197798	FAM118B	1.092312337	0.000135353
ENSG00000119977	TCTN3	1.09233212	1.31E-06
ENSG00000143498	TAF1A	1.092350401	0.005668042
ENSG00000143740	SNAP47	1.092397979	1.32E-07
ENSG00000197905	TEAD4	1.092401885	0.005067758
ENSG00000112031	MTRF1L	1.092402857	4.77E-07
ENSG00000151849	CENPJ	1.09244175	0.000183248
ENSG00000147457	CHMP7	1.092547406	0.007422642
ENSG00000117419	ERI3	1.092620631	2.68E-05
ENSG00000156171	DRAM2	1.09263472	8.61E-05
ENSG00000090520	DNAJB11	1.092650516	1.57E-06
ENSG00000081237	PTPRC	1.092656522	0.040533036
ENSG00000120675	DNAJC15	1.09266177	0.001214008
ENSG00000165733	BMS1	1.092715983	0.010016971
ENSG00000197165	SULT1A2	1.092742157	0.017791997
ENSG00000167711	SERPINF2	1.092770568	0.000869935
ENSG00000089048	ESF1	1.092784026	0.041840873
ENSG00000130748	TMEM160	1.092791076	0.000380018
ENSG00000104529	EEF1D	1.092829033	0.000118299
ENSG00000169946	ZFPM2	1.09290011	0.02481287
ENSG00000136630	HLX	1.092909718	3.18E-05
ENSG00000105967	TFEC	1.092918565	0.008581843
ENSG00000168081	PNOC	1.093047887	0.03824989
ENSG00000130948	HSD17B3	1.093073787	0.001016471
ENSG00000171150	SOCS5	1.093089823	0.00019376
ENSG00000183718	TRIM52	1.093093488	0.000877426
ENSG00000125257	ABCC4	1.093125258	0.001774621
ENSG00000188636	LDOC1L	1.09312638	9.62E-06
ENSG00000181045	SLC26A11	1.09313228	3.25E-05
ENSG00000144381	HSPD1	1.09314657	0.014082329
ENSG00000168792	ABHD15	1.093188108	0.001234267
ENSG00000118946	PCDH17	1.093300756	0.039393113

ENSG00000110218	PANX1	1.093328436	0.005096087
ENSG00000184661	CDCA2	1.093337009	0.000644925
ENSG00000011465	DCN	1.093337857	0.019138742
ENSG00000181555	SETD2	1.093341387	5.11E-09
ENSG00000170312	CDK1	1.093350964	0.007487606
ENSG00000143643	TTC13	1.093375569	0.002739594
ENSG00000152749	GPR180	1.093396218	2.61E-05
ENSG00000167703	SLC43A2	1.09340082	2.55E-05
ENSG00000196155	PLEKHG4	1.093470084	0.000147834
ENSG00000121691	CAT	1.093479033	0.000134933
ENSG00000169359	SLC33A1	1.093480155	0.034045327
ENSG00000165689	SDCCAG3	1.093519139	0.004472094
ENSG00000197299	BLM	1.093527055	0.008073043
ENSG00000146072	TNFRSF21	1.093665057	0.023174188
ENSG00000110046	ATG2A	1.093673519	2.24E-07
ENSG00000066379	ZNRD1	1.093675315	2.03E-05
ENSG00000143226	FCGR2A	1.093677387	0.028079435
ENSG00000198000	NOL8	1.093814588	0.000696884
ENSG00000162755	KLHDC9	1.09383264	0.001054951
ENSG00000099250	NRP1	1.093860083	5.38E-05
ENSG00000198324	FAM109A	1.093970712	1.55E-05
ENSG00000117724	CENPF	1.094033999	0.010241296
ENSG00000146670	CDCA5	1.094035461	0.000478684
ENSG00000112365	ZBTB24	1.094063223	0.006925903
ENSG00000130413	STK33	1.094078028	0.000348433
ENSG00000242265	PEG10	1.094134372	0.010414928
ENSG00000006740	ARHGAP44	1.094164817	0.006582019
ENSG00000135916	ITM2C	1.094224542	0.045243515
ENSG00000137834	SMAD6	1.094237689	6.46E-07
ENSG00000138686	BBS7	1.094252298	0.000238565
ENSG00000109736	MFSD10	1.094308898	0.002529917
ENSG00000167333	TRIM68	1.094399885	4.37E-05
ENSG00000118600	TMEM5	1.094415168	0.041032708
ENSG00000114446	IFT57	1.094419761	1.05E-05
ENSG00000119004	CYP20A1	1.094515671	1.41E-06
ENSG00000163378	EOGT	1.094553564	0.007593115
ENSG00000239900	ADSL	1.094583204	1.29E-06
ENSG00000163166	IWS1	1.094660313	4.62E-13
ENSG00000152518	ZFP36L2	1.094783489	0.003919232
ENSG00000179456	ZBTB18	1.094793033	7.17E-06
ENSG00000089639	GMIP	1.094886194	0.004504308
ENSG00000105717	PBX4	1.094942277	0.000286461
ENSG00000166012	TAF1D	1.094951677	0.045128851
ENSG00000112294	ALDH5A1	1.094961549	0.00302728
ENSG00000103449	SALL1	1.095000164	1.33E-05
ENSG00000157778	PSMG3	1.095052971	1.16E-07
ENSG00000130768	SMPDL3B	1.095056376	0.049697484

ENSG00000152457	DCLRE1C	1.095147413	0.046246103
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ENSG00000013288	MAN2B2	1.095191033	0.00028057
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ENSG00000105185	PDCD5	1.095260835	1.30E-05
ENSG00000187372	PCDHB13	1.095274886	0.005381199
ENSG00000156265	MAP3K7CL	1.095329157	0.000591648
ENSG00000163864	NMNAT3	1.095373157	0.00066059
ENSG00000114988	LMAN2L	1.095383498	9.76E-08
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ENSG00000166750	SLFN5	1.09557329	0.000195594
ENSG00000120696	KBTBD7	1.09562252	0.000478364
ENSG00000141497	ZMYND15	1.095646018	1.15E-05
ENSG00000140526	ABHD2	1.095697947	0.021446476
ENSG00000119431	HDHD3	1.09579428	0.000441317
ENSG00000169955	ZNF747	1.095873806	4.79E-05
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ENSG00000184489	PTP4A3	1.095909237	0.041376824
ENSG00000105821	DNAJC2	1.09597322	0.009445056
ENSG00000242247	ARFGAP3	1.095974445	4.58E-06
ENSG00000164822	DEFA6	1.095981109	0.03270639
ENSG00000125753	VASP	1.09601651	0.001116444
ENSG00000083444	PLOD1	1.096024753	0.004859573
ENSG00000105518	TMEM205	1.0960607	1.83E-06
ENSG00000179632	MAF1	1.096094208	3.64E-05
ENSG00000179178	TMEM125	1.096124422	0.002265395
ENSG00000162897	FCAMR	1.096173946	0.006074301
ENSG00000122566	HNRNPA2B1	1.096224845	0.004250092
ENSG00000049759	NEDD4L	1.096242112	0.002750655
ENSG00000023171	GRAMD1B	1.096247308	0.012598834
ENSG00000132205	EMILIN2	1.096285855	6.10E-08
ENSG00000182325	FBXL6	1.096296278	3.19E-05
ENSG00000154743	TSEN2	1.096332212	0.00034942
ENSG00000234745	HLA-B	1.096332254	4.07E-05
ENSG00000017483	SLC38A5	1.096348802	0.044399996
ENSG00000125686	MED1	1.096364193	0.000939049
ENSG00000143952	VPS54	1.096430343	0.048675338
ENSG00000189050	RNFT1	1.096503078	0.005934574
ENSG00000112304	ACOT13	1.096523855	0.002600417
ENSG00000223865	HLA-DPB1	1.096618234	0.021401221
ENSG00000176261	ZBTB8OS	1.09662977	3.24E-06
ENSG00000090776	EFNB1	1.096633446	7.23E-05
ENSG00000097007	ABL1	1.096633489	1.01E-06
ENSG00000118482	PHF3	1.096633633	8.75E-08
ENSG00000144120	TMEM177	1.096674669	0.015768818
ENSG00000149600	COMMD7	1.096768516	1.03E-10

ENSG00000163794	UCN	1.096785798	0.00085786
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ENSG00000108821	COL1A1	1.097645834	0.011512105
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ENSG00000183814	LIN9	1.097771514	3.63E-05
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ENSG00000164818	HEATR2	1.097863484	6.48E-06
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ENSG00000177888	ZBTB41	1.097954742	4.45E-07
ENSG00000124541	RRP36	1.097971803	3.96E-05
ENSG00000155304	HSPA13	1.098024805	0.014486997
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ENSG00000165458	INPPL1	1.098166671	0.000312316
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ENSG00000136295	TTYH3	1.098234944	1.55E-06
ENSG00000205352	PRR13	1.098326596	0.00101751
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ENSG00000078237	C12orf5	1.098585419	0.006236639
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ENSG00000108666	C17orf75	1.098924864	0.000426267
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ENSG00000176410	DNAJC30	1.099975749	5.62E-06
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ENSG00000197702	PARVA	1.100568345	1.77E-05
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ENSG00000106346	USP42	1.101424871	7.82E-12
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ENSG00000018610	CXorf56	1.101450362	0.00131947
ENSG00000163956	LRPAP1	1.101471309	1.28E-06
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ENSG00000168303	MPLKIP	1.10159807	2.09E-05
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ENSG00000166260	COX11	1.101903682	0.000129277
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ENSG00000155366	RHOC	1.10232241	0.005857777
ENSG00000166002	SMCO4	1.102380038	0.00694588
ENSG00000120685	PROSER1	1.102445587	9.92E-06
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ENSG00000023608	SNAPC1	1.104264968	0.001517415
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ENSG00000196730	DAPK1	1.104293369	0.00022424
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ENSG00000104856	RELB	1.104343826	0.005666707
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ENSG00000135913	USP37	1.104383439	4.93E-05

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ENSG00000101096	NFATC2	1.104414238	1.28E-06
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ENSG00000033011	ALG1	1.104469168	0.006302269
ENSG00000159899	NPR2	1.104514559	3.60E-05
ENSG00000013375	PGM3	1.10452881	1.34E-05
ENSG00000120526	NUDCD1	1.104551731	1.30E-05
ENSG00000162402	USP24	1.104602743	1.12E-08
ENSG00000146842	TMEM209	1.104769485	1.06E-05
ENSG00000168743	NPNT	1.104837665	0.008036996
ENSG00000103326	CAPN15	1.104874446	0.000274115
ENSG00000133328	HRASLS2	1.104968753	0.01600005
ENSG00000140993	TIGD7	1.105013592	0.017585145
ENSG00000180914	OXTR	1.105027103	0.011763027
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ENSG00000171522	PTGER4	1.105362803	0.021614605
ENSG00000114439	BBX	1.105381933	1.08E-07
ENSG00000137161	CNPY3	1.105395285	7.35E-05
ENSG00000186281	GPAT2	1.105401548	4.30E-05
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ENSG00000171222	SCAND1	1.105426968	3.74E-08
ENSG00000205138	SDHAF1	1.105435113	6.54E-09
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ENSG00000198964	SGMS1	1.10564166	0.001194289
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ENSG00000132646	PCNA	1.10578583	0.005371382
ENSG00000076650	GPATCH1	1.105821741	5.22E-07
ENSG00000102996	MMP15	1.105844974	0.004304215
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ENSG00000138385	SSB	1.106015819	0.026256464
ENSG00000137185	ZSCAN9	1.106044886	3.72E-05
ENSG00000133816	MICAL2	1.10607418	5.47E-05
ENSG00000122884	P4HA1	1.106103964	0.005446091
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ENSG00000160207	HSF2BP	1.106157384	0.002483118
ENSG00000170802	FOXN2	1.106236221	1.90E-07
ENSG00000122707	RECK	1.106265234	0.02028188
ENSG00000214029	ZNF891	1.106276795	0.013961001
ENSG00000149798	CDC42EP2	1.1064454	1.08E-06
ENSG00000162813	BPNT1	1.106486213	2.77E-05
ENSG00000118705	RPN2	1.106490163	0.000719651
ENSG00000128059	PPAT	1.106493599	0.013929197
ENSG00000197594	ENPP1	1.106515344	9.77E-08
ENSG00000160326	SLC2A6	1.106518948	0.001048848
ENSG00000134954	ETS1	1.106560166	5.18E-05
ENSG00000142634	EFHD2	1.106564875	0.000453038
ENSG00000172159	FRMD3	1.106580288	0.000355917
ENSG00000179526	SHARPIN	1.106636547	3.74E-08
ENSG00000089335	ZNF302	1.106691198	0.008512439
ENSG00000165914	TTC7B	1.106776023	0.034202255
ENSG00000239713	APOBEC3G	1.106791949	0.017360599
ENSG00000130193	THEM6	1.106861411	2.67E-05
ENSG00000163611	SPICE1	1.106933008	8.15E-06
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ENSG00000148950	IMMP1L	1.107072223	4.96E-05
ENSG00000119922	IFIT2	1.107097273	0.017587476
ENSG00000105810	CDK6	1.107137148	0.014438377
ENSG00000078967	UBE2D4	1.107139596	1.31E-07
ENSG00000159184	HOXB13	1.107143546	4.45E-06
ENSG00000231925	TAPBP	1.107152185	0.000505195
ENSG00000145919	BOD1	1.107161367	1.89E-07
ENSG00000196646	ZNF136	1.107171572	0.003068754
ENSG00000157181	C1orf27	1.107180217	8.11E-07
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ENSG00000146250	PRSS35	1.107208315	0.010134842
ENSG00000125630	POLR1B	1.107217598	1.85E-05
ENSG00000152952	PLOD2	1.107244599	0.026031684
ENSG00000169016	E2F6	1.107270137	1.33E-07
ENSG00000070814	TCOF1	1.107338151	6.19E-08
ENSG00000136280	CCM2	1.107353744	8.64E-07
ENSG00000143614	GATAD2B	1.107355892	1.38E-07
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ENSG00000111678	C12orf57	1.10762515	2.80E-08
ENSG00000138111	TMEM180	1.107670212	7.63E-06
ENSG00000088298	EDEM2	1.10768543	0.000194656
ENSG00000155016	CYP2U1	1.107778211	0.00028096
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ENSG00000079819	EPB41L2	1.107834587	0.038610853
ENSG00000130305	NSUN5	1.107867167	0.008038772
ENSG00000197959	DNM3	1.107877183	0.0012625
ENSG00000154240	CEP112	1.107904607	0.005224965
ENSG00000156966	B3GNT7	1.107923474	6.56E-05
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ENSG00000173517	PEAK1	1.108021654	3.72E-07
ENSG00000129007	CALML4	1.108049971	0.000137321
ENSG00000117395	EBNA1BP2	1.108052854	0.010665573
ENSG00000106404	CLDN15	1.108054348	0.011937092
ENSG00000261740	RP11-345J4.5	1.108082382	0.005446951
ENSG00000164659	KIAA1324L	1.108142096	0.016381291
ENSG00000198168	SVIP	1.10828627	2.64E-06
ENSG00000116857	TMEM9	1.108362349	5.74E-06
ENSG00000112118	MCM3	1.108396352	0.000666887
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ENSG00000100036	SLC35E4	1.10846082	2.94E-06
ENSG00000132122	SPATA6	1.108571093	5.19E-05
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ENSG00000166508	MCM7	1.108720631	0.001258138
ENSG00000170085	SIMC1	1.108731317	0.000220338
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ENSG00000204764	RANBP17	1.108764755	0.000283785
ENSG00000124479	NDP	1.108835447	0.001870021
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ENSG00000093183	SEC22C	1.108905968	7.49E-08
ENSG00000112578	BYSL	1.108940963	6.31E-06
ENSG00000141577	AZI1	1.108944483	4.02E-08
ENSG00000198169	ZNF251	1.108983817	5.24E-06
ENSG00000180257	ZNF816	1.108989556	1.69E-06
ENSG00000159214	CCDC24	1.109084858	6.14E-05
ENSG00000102743	SLC25A15	1.109098338	1.49E-06
ENSG00000106344	RBM28	1.109249988	0.001043377
ENSG00000136104	RNASEH2B	1.109251947	0.000303072
ENSG00000203965	EFCAB7	1.109279078	0.007455685
ENSG00000134461	ANKRD16	1.109303804	0.000456253
ENSG00000076662	ICAM3	1.109345335	0.014467977

ENSG00000181789	COPG1	1.109392532	4.77E-05
ENSG00000136717	BIN1	1.109409191	0.002168239
ENSG00000107554	DNMBP	1.10941387	0.002431673
ENSG00000184445	KNTC1	1.109434368	0.003163247
ENSG00000198945	L3MBTL3	1.10945233	0.000766813
ENSG00000171067	C11orf24	1.109492063	0.00099616
ENSG00000187513	GJA4	1.109496597	6.15E-05
ENSG00000070882	OSBPL3	1.109515454	0.007035185
ENSG00000007933	FMO3	1.109523484	0.049870631
ENSG00000206530	WDR52	1.109524615	0.006467718
ENSG00000268175	AC117395.1	1.109652516	0.000955148
ENSG00000165501	LRR1	1.109779814	0.000202937
ENSG00000090612	ZNF268	1.109788375	0.011517775
ENSG00000124103	FAM209A	1.109806553	0.003803093
ENSG00000173226	IQCB1	1.109865372	1.16E-06
ENSG00000117862	TXNDC12	1.109866775	1.09E-09
ENSG00000087116	ADAMTS2	1.109875079	4.80E-08
ENSG00000111679	PTPN6	1.109936703	0.003329621
ENSG00000154122	ANKH	1.110048219	0.003485113
ENSG00000115368	WDR75	1.110057964	8.70E-07
ENSG00000081052	COL4A4	1.110073921	0.030308082
ENSG00000174405	LIG4	1.110161343	7.85E-05
ENSG00000121848	RNF115	1.110191391	5.65E-07
ENSG00000105559	PLEKHA4	1.11021443	1.47E-05
ENSG00000141391	SLMO1	1.110221465	0.004452636
ENSG00000147679	UTP23	1.110292963	7.42E-05
ENSG00000149091	DGKZ	1.110303932	0.007856715
ENSG00000125247	TMTC4	1.11031474	0.000134801
ENSG00000047410	TPR	1.110460502	7.52E-05
ENSG00000178700	DHFRL1	1.110511175	0.000431575
ENSG00000108961	RANGRF	1.110593969	9.04E-07
ENSG00000149636	DSN1	1.110683332	0.020351912
ENSG00000137135	ARHGEF39	1.110713447	0.000195627
ENSG00000105643	ARRDC2	1.110757283	3.96E-06
ENSG00000112234	FBXL4	1.110780513	0.00260898
ENSG00000132356	PRKAA1	1.110893092	8.99E-06
ENSG00000162989	KCNJ3	1.11102327	0.000123539
ENSG00000178718	RPP25	1.111028844	0.022305473
ENSG00000173947	PIFO	1.11109053	0.005877498
ENSG00000198556	ZNF789	1.111097476	0.000198314
ENSG00000092607	TBX15	1.111136862	0.000157187
ENSG00000140105	WARS	1.111200911	0.004128545
ENSG00000117280	RAB7L1	1.11120145	0.043215171
ENSG00000167085	PHB	1.111250954	0.00286015
ENSG00000132386	SERPINF1	1.111301744	0.021470801
ENSG00000165392	WRN	1.111328101	4.02E-05
ENSG00000155792	DEPTOR	1.111333192	0.002693085

ENSG00000134508	CABLES1	1.111362084	0.000299594
ENSG00000173889	PHC3	1.111388541	1.49E-06
ENSG00000042980	ADAM28	1.111554593	0.044816701
ENSG00000062822	POLD1	1.111633891	0.000166382
ENSG00000171724	VAT1L	1.111704372	0.000248449
ENSG00000126070	AGO3	1.111766588	3.99E-07
ENSG00000226479	TMEM185B	1.1117831	0.008476323
ENSG00000111674	ENO2	1.111816173	0.018239994
ENSG00000174177	CTU2	1.111842403	1.24E-07
ENSG00000138587	MNS1	1.111854777	0.016227052
ENSG00000241962	C2orf15	1.111914859	8.26E-05
ENSG00000186185	KIF18B	1.111925402	0.000638334
ENSG00000178057	NDUFAF3	1.112006624	8.59E-07
ENSG00000104432	IL7	1.112075579	0.041642762
ENSG00000145623	OSMR	1.112191196	0.000823366
ENSG00000187800	PEAR1	1.112236495	5.95E-07
ENSG00000125843	AP5S1	1.112295334	5.37E-06
ENSG00000038382	TRIO	1.112327793	4.79E-07
ENSG00000020577	SAMD4A	1.112354777	0.017837901
ENSG00000111554	MDM1	1.112356384	0.011956216
ENSG00000157399	ARSE	1.112415141	0.010795503
ENSG00000165943	MOAP1	1.112490592	7.79E-10
ENSG00000165923	AGBL2	1.112504725	0.006151637
ENSG00000197536	C5orf56	1.112524483	0.000424922
ENSG00000071246	VASH1	1.112571229	0.025963615
ENSG00000005075	POLR2J	1.112642641	1.98E-07
ENSG00000120328	PCDHB12	1.11265475	0.023001329
ENSG00000125870	SNRPB2	1.112685655	0.003359931
ENSG00000167840	ZNF232	1.112700603	0.018633441
ENSG00000118407	FILIP1	1.112765598	9.43E-05
ENSG00000169951	ZNF764	1.112816154	0.007475296
ENSG00000156162	DPY19L4	1.112868084	0.047796001
ENSG00000181982	CCDC149	1.112880816	2.18E-05
ENSG00000101577	LPIN2	1.112889996	0.003684021
ENSG00000137207	YIPF3	1.112928404	8.17E-06
ENSG00000139505	MTMR6	1.112956842	0.000180608
ENSG00000198794	SCAMP5	1.113020966	1.15E-05
ENSG00000198108	CHSY3	1.113056393	0.000118622
ENSG00000187051	RPS19BP1	1.113092623	5.71E-08
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ENSG00000248835	AL357673.1	1.113147858	9.82E-06
ENSG00000048052	HDAC9	1.113230695	0.015924012
ENSG00000147601	TERF1	1.113246035	0.041147104
ENSG00000172922	RNASEH2C	1.11325497	1.22E-07
ENSG00000189067	LITAF	1.113373597	0.007301061
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ENSG00000075218	GTSE1	1.113559631	0.006981768
ENSG00000269404	SPIB	1.11357981	0.017739934
ENSG00000155254	MARVELD1	1.113602947	2.40E-05
ENSG00000168061	SAC3D1	1.113661718	0.042507406
ENSG00000141696	LEPREL4	1.113680749	0.011746193
ENSG00000111252	SH2B3	1.113708593	0.001278624
ENSG00000204428	LY6G5C	1.113742499	0.000490663
ENSG00000070087	PFN2	1.113798275	0.003095952
ENSG00000083635	NUFIP1	1.113805801	3.75E-07
ENSG00000123908	AGO2	1.113858567	0.000765349
ENSG00000163874	ZC3H12A	1.113899579	0.009211141
ENSG00000116675	DNAJC6	1.11390088	2.37E-05
ENSG00000163510	CWC22	1.113910122	8.32E-06
ENSG00000172590	MRPL52	1.113943093	2.31E-08
ENSG00000165632	TAF3	1.113946304	2.59E-08
ENSG00000067208	EVI5	1.11400435	8.48E-07
ENSG00000140323	DISP2	1.114011357	0.005833808
ENSG00000006327	TNFRSF12A	1.114022932	0.003098013
ENSG00000075643	MOCOS	1.11403631	0.026995909
ENSG00000064199	SPA17	1.114040694	0.002906614
ENSG00000154310	TNIK	1.114060248	0.00780616
ENSG00000150656	CNDP1	1.114188248	0.028820139
ENSG00000085741	WNT11	1.114210198	0.033109778
ENSG00000133138	TBC1D8B	1.114211373	0.025023658
ENSG00000164379	FOXQ1	1.114237355	3.06E-05
ENSG00000166881	TMEM194A	1.114282873	1.58E-05
ENSG00000115568	ZNF142	1.114294212	2.17E-09
ENSG00000165304	MELK	1.114349266	0.014692932
ENSG00000147475	ERLIN2	1.114356131	0.00588487
ENSG00000120832	MTERFD3	1.114431008	0.000352909
ENSG00000180979	LRRC57	1.114550051	7.43E-06
ENSG00000133121	STARD13	1.114568369	1.29E-06
ENSG00000103264	FBXO31	1.114604341	3.39E-06
ENSG00000143195	ILDR2	1.114865	1.10E-05
ENSG00000177225	PDDC1	1.114882265	2.29E-05
ENSG00000113722	CDX1	1.11490154	0.002846001
ENSG00000101132	PFDN4	1.114970343	2.68E-08
ENSG00000173171	MTX1	1.114999112	1.81E-06
ENSG00000113504	SLC12A7	1.115009541	0.000301516
ENSG00000158163	DZIP1L	1.115157897	0.000454677
ENSG00000164114	MAP9	1.115280797	0.004035215
ENSG00000144485	HES6	1.115283012	1.14E-08
ENSG00000086300	SNX10	1.115301519	0.000602036
ENSG00000124228	DDX27	1.115357776	0.00348952
ENSG00000166927	MS4A7	1.115398644	0.000410077
ENSG00000178665	ZNF713	1.11543889	0.029699305
ENSG00000101773	RBBP8	1.115565942	0.014279519

ENSG00000182667	NTM	1.115585124	0.004107048
ENSG00000106823	ECM2	1.115603013	5.84E-05
ENSG00000057252	SOAT1	1.115610445	0.001028
ENSG00000185730	ZNF696	1.1156719	2.25E-06
ENSG00000147862	NFIB	1.115691198	0.001056264
ENSG00000159167	STC1	1.115726739	0.002661905
ENSG00000013364	MVP	1.115730732	0.000760453
ENSG00000148773	MKI67	1.115794998	0.005482466
ENSG00000072954	TMEM38A	1.115838606	0.002316516
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ENSG00000146521	C6orf123	1.11604318	0.000734212
ENSG00000180938	ZNF572	1.116074851	0.028422324
ENSG00000136144	RCBTB1	1.116125695	1.16E-05
ENSG00000127081	ZNF484	1.116190957	2.54E-07
ENSG00000118473	SGIP1	1.116306362	0.001312585
ENSG00000166797	FAM96A	1.116333513	8.93E-12
ENSG00000143554	SLC27A3	1.116336587	0.001546556
ENSG00000142959	BEST4	1.116343491	0.017001847
ENSG00000186283	TOR3A	1.116405807	0.00195518
ENSG00000119782	FKBP1B	1.116426955	0.00327656
ENSG00000139746	RBM26	1.116503693	0.027696014
ENSG00000016391	CHDH	1.11650719	5.26E-07
ENSG00000178381	ZFAND2A	1.116531036	0.002923478
ENSG00000153558	FBXL2	1.11659228	0.000403984
ENSG00000123131	PRDX4	1.116598136	1.32E-08
ENSG00000095739	BAMBI	1.116636526	0.010577213
ENSG00000141741	MIEN1	1.116658064	0.000600678
ENSG00000102678	FGF9	1.116736176	0.028303984
ENSG00000213020	ZNF611	1.116838956	0.011321622
ENSG00000158427	TMSB15B	1.11686687	0.002176609
ENSG00000168067	MAP4K2	1.116897764	6.46E-05
ENSG00000162430	SEPN1	1.116915965	2.05E-11
ENSG00000105928	DFNA5	1.116976383	0.020120961
ENSG00000160179	ABCG1	1.116984481	0.000383273
ENSG00000170965	PLAC1	1.116990027	0.02953139
ENSG00000114784	EIF1B	1.117067718	2.42E-10
ENSG00000205189	ZBTB10	1.117097278	0.001000489
ENSG00000253251	CTC-534A2.2	1.117098574	0.004080028
ENSG00000170276	HSPB2	1.117110043	0.004671648
ENSG00000154237	LRRK1	1.117134017	7.76E-06
ENSG00000136240	KDEL2	1.117264936	1.16E-05
ENSG00000143401	ANP32E	1.117292798	0.009240446
ENSG00000204525	HLA-C	1.117303197	1.50E-05
ENSG00000138190	EXOC6	1.117327241	1.44E-08
ENSG00000117594	HSD11B1	1.117355408	0.000593628

ENSG00000155256	ZFYVE27	1.117393197	8.80E-09
ENSG00000102763	VWA8	1.117398903	0.000104908
ENSG00000165801	ARHGEF40	1.11741387	1.35E-05
ENSG00000084636	COL16A1	1.117417977	0.001768048
ENSG00000176788	BASP1	1.117475848	0.012129432
ENSG00000109113	RAB34	1.117550059	0.000190505
ENSG00000089472	HEPH	1.117596566	0.025763123
ENSG00000177432	NAP1L5	1.117631315	0.012035531
ENSG00000131773	KHDRBS3	1.117639222	0.009523354
ENSG00000175711	B3GNTL1	1.117659111	1.44E-05
ENSG00000128242	GAL3ST1	1.1177045	1.52E-05
ENSG00000121864	ZNF639	1.117715883	0.000182128
ENSG00000152422	XRCC4	1.117746065	0.007039162
ENSG00000184428	TOP1MT	1.117821565	9.22E-06
ENSG00000107159	CA9	1.11784348	0.028339666
ENSG00000169116	PARM1	1.117850696	0.007001666
ENSG00000196660	SLC30A10	1.117898444	0.003071579
ENSG00000005801	ZNF195	1.117919194	0.01328335
ENSG00000142856	ITGB3BP	1.117962874	5.76E-05
ENSG00000167625	ZNF526	1.118124976	1.10E-05
ENSG00000173530	TNFRSF10D	1.11814659	8.30E-08
ENSG00000118193	KIF14	1.118146673	0.003866573
ENSG00000135541	AHI1	1.118166056	1.00E-06
ENSG00000145431	PDGFC	1.118218743	2.45E-05
ENSG00000087157	PGS1	1.118236873	7.65E-08
ENSG00000204287	HLA-DRA	1.118267999	0.007495283
ENSG00000116641	DOCK7	1.118357977	5.24E-06
ENSG00000185803	SLC52A2	1.118366456	0.001218431
ENSG00000147669	POLR2K	1.118428573	1.25E-08
ENSG00000135047	CTSL	1.118458359	0.013157633
ENSG00000152990	GPR125	1.118491841	2.61E-08
ENSG00000089195	TRMT6	1.118514968	6.01E-06
ENSG00000070961	ATP2B1	1.118540478	0.029213042
ENSG00000135185	TMEM243	1.11856777	0.004808123
ENSG00000142227	EMP3	1.118644742	0.011789764
ENSG00000163507	KIAA1524	1.118648133	0.002537748
ENSG00000174928	C3orf33	1.118649158	4.59E-06
ENSG00000175029	CTBP2	1.118652415	0.001478395
ENSG00000106080	FKBP14	1.118713985	3.30E-07
ENSG00000165983	PTER	1.118727717	1.32E-06
ENSG00000112183	RBM24	1.118778339	0.002029232
ENSG00000139826	ABHD13	1.118781756	0.000581924
ENSG00000120694	HSPH1	1.118859171	3.02E-05
ENSG00000166598	HSP90B1	1.118888478	0.006114263
ENSG00000118217	ATF6	1.118897933	1.35E-08
ENSG00000140280	LYSMD2	1.119005868	3.34E-05
ENSG00000151657	KIN	1.119093358	0.000713864

ENSG00000164104	HMGB2	1.119096549	0.040837581
ENSG00000143106	PSMA5	1.119114632	2.75E-08
ENSG00000177951	BET1L	1.119159836	1.92E-07
ENSG00000113296	THBS4	1.119184169	0.010747827
ENSG00000177706	FAM20C	1.119223284	0.001637601
ENSG00000169919	GUSB	1.119223531	0.000979878
ENSG00000139998	RAB15	1.119247527	0.007904311
ENSG00000178343	SHISA3	1.119279644	0.009535552
ENSG00000162415	ZSWIM5	1.119368023	0.001147064
ENSG00000140853	NLRC5	1.119387663	0.002623438
ENSG00000108551	RASD1	1.119404018	0.000618956
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ENSG00000013810	TACC3	1.119456826	0.01981819
ENSG00000131669	NINJ1	1.119525544	5.55E-07
ENSG00000162775	RBM15	1.119537042	0.001113045
ENSG00000174807	CD248	1.119554307	7.14E-08
ENSG00000184005	ST6GALNAC3	1.119582819	0.028770641
ENSG00000196387	ZNF140	1.119641508	0.002831054
ENSG00000100911	PSME2	1.119685793	0.00073565
ENSG00000152620	NADK2	1.119750002	0.000481311
ENSG00000172602	RND1	1.119757647	0.004377198
ENSG00000111196	MAGOHB	1.119825756	0.000211866
ENSG00000112701	SENP6	1.119928887	2.48E-06
ENSG00000173402	DAG1	1.119954103	3.92E-08
ENSG00000184785	SMIM10	1.119957811	0.001021323
ENSG00000138035	PNPT1	1.119994967	9.70E-06
ENSG00000250317	SMIM20	1.120084049	1.82E-08
ENSG00000182492	BGN	1.120093334	0.00717902
ENSG00000164330	EBF1	1.120106601	0.000974206
ENSG00000112699	GMDS	1.12015707	0.03019351
ENSG00000178074	C2orf69	1.120170281	1.16E-05
ENSG00000186376	ZNF75D	1.120174058	3.40E-05
ENSG00000169245	CXCL10	1.120404625	0.035314043
ENSG00000135114	OASL	1.120434827	0.003883655
ENSG00000131848	ZSCAN5A	1.12055641	0.000789086
ENSG00000068366	ACSL4	1.120576273	0.008362385
ENSG00000106355	LSM5	1.12068718	0.003495131
ENSG00000189042	ZNF567	1.120783252	0.000404245
ENSG00000153207	AHCTF1	1.120812775	1.09E-08
ENSG00000196547	MAN2A2	1.12087917	9.73E-05
ENSG00000162545	CAMK2N1	1.120918313	0.004189728
ENSG00000196526	AFAP1	1.120983135	0.012421259
ENSG00000151090	THRB	1.120990466	0.003319737
ENSG00000125912	NCLN	1.121043829	0.002759734
ENSG00000107242	PIP5K1B	1.121118985	0.00117589
ENSG00000134697	GNL2	1.121161116	1.53E-07

ENSG00000101670	LIPG	1.121168433	0.018021844
ENSG00000104081	BMF	1.1212133	0.000843771
ENSG00000178538	CA8	1.12123496	5.15E-05
ENSG00000107815	C10orf2	1.121370524	4.27E-06
ENSG00000240583	AQP1	1.121391839	0.005289299
ENSG00000166734	CASC4	1.121445435	1.83E-09
ENSG00000181026	AEN	1.121472502	2.92E-08
ENSG00000170955	PRKCDBP	1.121500991	3.42E-06
ENSG00000116761	CTH	1.121550263	0.032524007
ENSG00000136213	CHST12	1.121582265	8.92E-06
ENSG00000198393	ZNF26	1.121617153	1.36E-06
ENSG00000197345	MRPL21	1.121644243	0.00080736
ENSG00000154380	ENAH	1.121662201	1.35E-06
ENSG00000104518	GSDMD	1.121699043	0.001430552
ENSG00000181038	METTL23	1.121704952	1.13E-09
ENSG00000187867	PALM3	1.121758926	0.031703944
ENSG00000160959	LRRC14	1.121767766	1.14E-07
ENSG00000135535	CD164	1.121799985	0.034213256
ENSG00000169508	GPR183	1.121863979	0.022650774
ENSG00000159459	UBR1	1.121955851	9.84E-08
ENSG00000101911	PRPS2	1.122148317	0.005778963
ENSG00000137478	FCHSD2	1.122168254	0.000107298
ENSG00000198523	PLN	1.12218046	0.041322346
ENSG00000151881	C5orf28	1.122274457	0.043038498
ENSG00000185238	PRMT3	1.122325201	6.59E-05
ENSG00000219438	FAM19A5	1.122326501	7.38E-06
ENSG00000141753	IGFBP4	1.122353635	0.031661567
ENSG00000100665	SERPINA4	1.12237736	0.002638577
ENSG00000186088	GSAP	1.12240232	0.027789844
ENSG00000257727	CNPY2	1.122503502	0.000382744
ENSG00000132763	MMACHC	1.122640706	2.89E-06
ENSG00000171365	CLCN5	1.122643128	2.79E-05
ENSG00000117676	RPS6KA1	1.122695026	0.004112199
ENSG00000187678	SPRY4	1.122815311	0.000370223
ENSG00000101846	STS	1.122822968	0.00564347
ENSG00000100558	PLEK2	1.122917928	0.001138167
ENSG00000169242	EFNA1	1.123000779	0.002357464
ENSG00000150401	DCUN1D2	1.123052217	3.96E-06
ENSG00000118762	PKD2	1.123103457	0.003771585
ENSG00000135722	FBXL8	1.123115612	0.005089646
ENSG00000110330	BIRC2	1.123197806	0.01886255
ENSG00000100625	SIX4	1.123280144	4.89E-09
ENSG00000101470	TNNC2	1.12329053	3.01E-05
ENSG00000112787	FBRSL1	1.123430969	1.97E-09
ENSG00000181754	AMIGO1	1.123446252	4.42E-06
ENSG00000197555	SIPA1L1	1.12353142	7.50E-06
ENSG00000116580	GON4L	1.123542358	8.25E-09

ENSG00000139192	TAPBPL	1.123571385	0.013332454
ENSG00000138758	11-Sep	1.123628999	1.78E-09
ENSG00000167191	GPRC5B	1.123631643	0.011308193
ENSG00000108854	SMURF2	1.123686626	0.03497427
ENSG00000181472	ZBTB2	1.123709446	1.73E-05
ENSG00000104728	ARHGEF10	1.123732719	0.00286485
ENSG00000105854	PON2	1.123786285	0.008762735
ENSG00000253797	UTP14C	1.1238208	1.28E-08
ENSG00000125850	OVOL2	1.123845757	2.65E-05
ENSG00000076003	MCM6	1.12387251	0.000128004
ENSG00000197162	ZNF785	1.123970109	2.77E-05
ENSG00000131943	C19orf12	1.124013363	0.000866138
ENSG00000197279	ZNF165	1.124051274	0.049470984
ENSG00000105989	WNT2	1.124099164	0.000138447
ENSG00000171135	JAGN1	1.124113544	3.48E-11
ENSG00000157765	SLC34A2	1.124155936	0.00331329
ENSG00000125810	CD93	1.124166851	0.008172197
ENSG00000026025	VIM	1.124167528	0.001776537
ENSG00000176022	B3GALT6	1.124228665	7.75E-09
ENSG00000079150	FKBP7	1.124232961	5.50E-07
ENSG00000132680	KIAA0907	1.124258067	0.010463116
ENSG00000255150	EID3	1.124300918	0.001231088
ENSG00000101057	MYBL2	1.124369796	0.013186832
ENSG00000119703	ZC2HC1C	1.124558551	3.99E-05
ENSG00000106009	BRAT1	1.124568281	2.21E-06
ENSG00000168961	LGALS9	1.124594599	0.000334938
ENSG00000101474	APMAP	1.124714074	0.000474326
ENSG00000167618	LAIR2	1.124928022	0.000841206
ENSG00000138434	SSFA2	1.124943277	0.007232885
ENSG00000139540	SLC39A5	1.1249611	3.10E-05
ENSG00000146276	GABRR1	1.12500361	0.026070584
ENSG00000143786	CNIH3	1.125023652	2.06E-05
ENSG00000178033	FAM26E	1.12505456	0.002232564
ENSG00000104998	IL27RA	1.125067999	0.000838536
ENSG00000154813	DPH3	1.125072866	1.31E-05
ENSG00000091127	PUS7	1.12517969	0.02540104
ENSG00000153071	DAB2	1.125225984	0.012138719
ENSG00000157150	TIMP4	1.125280233	0.003131719
ENSG00000104205	SGK3	1.125292453	6.37E-08
ENSG00000162458	FBLIM1	1.125311724	7.11E-06
ENSG00000138363	ATIC	1.125312427	0.00031186
ENSG00000184163	FAM132A	1.125322715	0.000820589
ENSG00000157259	GATAD1	1.125337563	0.001789377
ENSG00000164879	CA3	1.125339484	0.000132439
ENSG00000185885	IFITM1	1.125340181	0.022109305
ENSG00000143158	MPC2	1.125449997	6.76E-06
ENSG00000147649	MTDH	1.125459592	0.025832124

ENSG00000169851	PCDH7	1.12549595	0.012150501
ENSG00000085491	SLC25A24	1.125502988	0.047296259
ENSG00000151490	PTPRO	1.125505922	0.049296867
ENSG00000142185	TRPM2	1.125507004	7.50E-08
ENSG00000108679	LGALS3BP	1.125509391	0.00015186
ENSG00000100290	BIK	1.125513534	2.14E-05
ENSG00000067533	RRP15	1.125536086	2.41E-05
ENSG00000177426	TGIF1	1.125598163	0.00139734
ENSG00000205208	C4orf46	1.125599839	0.001964675
ENSG00000136603	SKIL	1.125601621	0.000115913
ENSG00000165233	C9orf89	1.125724584	5.58E-11
ENSG00000071462	WBSCR22	1.125913602	0.000671241
ENSG00000127838	PNKD	1.125942092	1.73E-09
ENSG00000172935	MRGPRF	1.125994187	0.014375941
ENSG00000116830	TTF2	1.126174008	0.000268281
ENSG00000135931	ARMC9	1.126207265	3.34E-07
ENSG00000027697	IFNGR1	1.126229777	0.022322718
ENSG00000153487	ING1	1.12630682	4.81E-08
ENSG00000172292	CERS6	1.126478754	1.09E-05
ENSG00000198829	SUCNR1	1.12655805	0.010342168
ENSG00000137364	TPMT	1.12662674	4.31E-06
ENSG00000085760	MTIF2	1.126630307	0.029180424
ENSG00000143248	RGS5	1.12664746	0.025652202
ENSG00000126456	IRF3	1.126767315	0.000172297
ENSG00000111665	CDCA3	1.126844029	4.09E-05
ENSG00000197496	SLC2A10	1.126926161	0.015429935
ENSG00000113638	TTC33	1.126980746	0.000361983
ENSG00000164574	GALNT10	1.126982578	0.004405556
ENSG00000177868	CCDC23	1.127044208	3.05E-06
ENSG00000197586	ENTPD6	1.127063984	0.000737036
ENSG00000160191	PDE9A	1.127080141	0.002078458
ENSG00000130958	SLC35D2	1.127188277	0.001254572
ENSG00000107819	SFXN3	1.127231482	0.000418425
ENSG00000119630	PGF	1.127267307	0.000748518
ENSG00000054690	PLEKHH1	1.127317249	2.83E-05
ENSG00000114378	HYAL1	1.12732251	0.043909565
ENSG00000064651	SLC12A2	1.127355785	0.017840685
ENSG00000175899	A2M	1.127366226	0.027351912
ENSG00000122952	ZWINT	1.127381966	0.036973577
ENSG00000143924	EML4	1.12745841	9.88E-11
ENSG00000204128	C2orf72	1.127461346	2.80E-06
ENSG00000141446	ESCO1	1.127501705	1.77E-06
ENSG00000158714	SLAMF8	1.127545489	0.021208728
ENSG00000071539	TRIP13	1.127551371	0.001630961
ENSG00000221869	CEBPD	1.127557886	9.53E-07
ENSG00000064703	DDX20	1.127558485	5.95E-06
ENSG00000121749	TBC1D15	1.127570085	0.028972707

ENSG00000115946	PNO1	1.127650136	2.26E-06
ENSG00000181649	PHLDA2	1.127674436	3.84E-05
ENSG00000163501	IHH	1.127679433	0.000132249
ENSG00000106392	C1GALT1	1.127710191	0.012269351
ENSG00000177192	PUS1	1.1277358	1.17E-06
ENSG00000242802	AP5Z1	1.127744204	0.019848082
ENSG00000117122	MFAP2	1.12778106	0.016515777
ENSG00000061918	GUCY1B3	1.127791367	0.000267412
ENSG00000148297	MED22	1.127805379	1.45E-06
ENSG00000134901	KDELC1	1.127822003	3.39E-06
ENSG00000111863	ADTRP	1.127845903	0.003469481
ENSG00000180855	ZNF443	1.127879195	0.006165016
ENSG00000149531	FRG1B	1.127883771	0.001343058
ENSG00000163463	KRTCAP2	1.127884359	6.57E-17
ENSG00000123136	DDX39A	1.127890343	0.002210699
ENSG00000106524	ANKMY2	1.127940564	0.011545704
ENSG00000050165	DKK3	1.128100717	0.00240651
ENSG00000163512	AZI2	1.128107138	7.96E-06
ENSG00000147642	SYBU	1.128214654	0.031299095
ENSG00000112473	SLC39A7	1.128278004	0.000120473
ENSG00000184451	CCR10	1.128321331	0.001807386
ENSG00000072571	HMMR	1.12833278	0.016520709
ENSG00000159403	C1R	1.128453505	0.028587816
ENSG00000163513	TGFBR2	1.128541917	1.64E-05
ENSG00000125798	FOXA2	1.128701703	0.000755506
ENSG00000163762	TM4SF18	1.128709678	0.006502582
ENSG00000147654	EBAG9	1.128748946	4.10E-08
ENSG00000196569	LAMA2	1.128820051	0.000116063
ENSG00000132781	MUTYH	1.128827485	1.95E-10
ENSG00000101457	DNTTIP1	1.128861955	4.98E-07
ENSG00000088448	ANKRD10	1.128917433	0.008177905
ENSG00000204642	HLA-F	1.128919893	0.000172345
ENSG00000103811	CTSH	1.128925789	0.002967572
ENSG00000129028	THAP10	1.128963672	0.000116802
ENSG00000085721	RRN3	1.128977992	1.37E-05
ENSG00000198205	ZXDA	1.129020371	6.85E-05
ENSG00000144647	POMGNT2	1.12904183	5.60E-05
ENSG00000123095	BHLHE41	1.129046385	0.001102164
ENSG00000154040	CABYR	1.129164937	0.018333136
ENSG00000089327	FXD5	1.129236004	0.000110956
ENSG00000102977	ACD	1.129285745	9.13E-08
ENSG00000073849	ST6GAL1	1.129291792	4.00E-08
ENSG00000112561	TFEB	1.129315225	5.37E-08
ENSG00000204564	C6orf136	1.129373855	4.74E-06
ENSG00000180353	HCLS1	1.129476533	0.022113755
ENSG00000179761	PIPOX	1.129499126	0.012455906
ENSG00000110717	NDUFS8	1.129502791	7.05E-05

ENSG00000120253	NUP43	1.129511855	0.013551962
ENSG00000136193	SCRN1	1.129544427	0.030350118
ENSG00000102034	ELF4	1.129553343	0.000500992
ENSG00000197147	LRRC8B	1.129584763	9.73E-08
ENSG00000162998	FRZB	1.1297701	0.002464761
ENSG00000116095	PLEKHA3	1.129811396	1.69E-11
ENSG00000182141	ZNF708	1.129844078	0.000349205
ENSG00000121152	NCAPH	1.129906762	0.000191686
ENSG00000131043	AAR2	1.130234145	3.86E-13
ENSG00000203791	METTL10	1.130268663	0.000185239
ENSG00000162511	LAPTM5	1.130297573	0.017302112
ENSG00000131791	PRKAB2	1.130337336	1.51E-07
ENSG00000161921	CXCL16	1.130407016	7.43E-06
ENSG00000115756	HPCAL1	1.130464204	0.001167855
ENSG00000155093	PTPRN2	1.13046718	0.001253823
ENSG00000152767	FARP1	1.130489288	0.003243888
ENSG00000108511	HOXB6	1.130590075	0.027698698
ENSG00000164251	F2RL1	1.130622561	4.28E-06
ENSG00000161281	COX7A1	1.130641818	1.21E-05
ENSG00000109861	CTSC	1.130707147	0.023257743
ENSG00000149485	FADS1	1.130775894	0.002405284
ENSG00000148840	PPRC1	1.130799349	2.36E-07
ENSG00000129538	RNASE1	1.13082471	0.026890192
ENSG00000157064	NMNAT2	1.130997583	0.006281981
ENSG00000071575	TRIB2	1.131105086	0.003452481
ENSG00000185201	IFITM2	1.131246913	0.008082115
ENSG00000196214	ZNF766	1.131283223	8.73E-08
ENSG00000148516	ZEB1	1.131346406	2.66E-06
ENSG00000162482	AKR7A3	1.131376936	0.009292254
ENSG00000160447	PKN3	1.131404577	2.50E-07
ENSG00000104219	ZDHHC2	1.131478825	0.013462751
ENSG00000055044	NOP58	1.131611236	2.92E-11
ENSG00000101955	SRPX	1.131641647	0.039133829
ENSG00000240204	SMKR1	1.131747353	0.00178214
ENSG00000081377	CDC14B	1.131960632	0.000887731
ENSG00000115267	IFIH1	1.132059755	0.041138611
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ENSG00000171456	ASXL1	1.132300688	1.22E-14
ENSG00000198901	PRC1	1.132318175	0.014091297
ENSG00000010292	NCAPD2	1.132398822	4.89E-05
ENSG00000145012	LPP	1.132446301	1.91E-09
ENSG00000181019	NQO1	1.132527834	1.49E-05
ENSG00000170962	PDGFD	1.132551107	0.038237627
ENSG00000196639	HRH1	1.132571241	8.88E-05
ENSG00000120162	MOB3B	1.132641536	9.82E-05
ENSG00000149948	HMGA2	1.132647279	0.015127023
ENSG00000138028	CGREF1	1.132669385	0.002029534

ENSG00000146731	CCT6A	1.132688567	0.004432411
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ENSG00000162851	TFB2M	1.132812073	1.77E-06
ENSG00000164414	SLC35A1	1.132849493	0.010621311
ENSG00000173621	LRFN4	1.132999699	3.17E-07
ENSG00000188404	SELL	1.133063059	0.02938128
ENSG00000168916	ZNF608	1.133103666	0.000423872
ENSG00000105866	SP4	1.133136003	9.92E-10
ENSG00000019582	CD74	1.133141275	0.002128027
ENSG00000178752	FAM132B	1.133155783	0.000835466
ENSG00000184060	ADAP2	1.13317972	0.000710358
ENSG00000197405	C5AR1	1.133191815	0.003705589
ENSG00000186310	NAP1L3	1.133246496	0.004746867
ENSG00000173166	RAPH1	1.133475774	1.83E-06
ENSG00000196159	FAT4	1.133482883	0.000210921
ENSG00000133773	CCDC59	1.133625591	0.032174764
ENSG00000144354	CDCA7	1.133648913	0.000435806
ENSG00000106025	TSPAN12	1.133749522	0.000352524
ENSG00000127329	PTPRB	1.133754269	2.36E-08
ENSG00000028137	TNFRSF1B	1.133771394	0.030262106
ENSG00000182916	TCEAL7	1.134027993	0.005212148
ENSG00000164403	SHROOM1	1.134101781	1.81E-06
ENSG00000120662	MTRF1	1.134126401	8.54E-06
ENSG00000070404	FSTL3	1.134173218	1.70E-05
ENSG00000101000	PROCR	1.134221918	0.002395224
ENSG00000106638	TBL2	1.134262314	0.00092239
ENSG00000145220	LYAR	1.134274941	2.82E-06
ENSG00000112977	DAP	1.134275969	0.000183544
ENSG00000175581	MRPL48	1.134334452	1.55E-06
ENSG00000172954	LCLAT1	1.134386394	3.99E-10
ENSG00000179163	FUCA1	1.13440726	0.000568005
ENSG00000183763	TRAIP	1.134421451	9.25E-06
ENSG00000162782	TDRD5	1.134476374	0.004626723
ENSG00000117155	SSX2IP	1.13451393	0.000126462
ENSG00000128245	YWHAH	1.134523041	0.007203859
ENSG00000171757	LRRC34	1.134715462	0.005065454
ENSG00000120738	EGR1	1.13473104	0.001194036
ENSG00000152492	CCDC50	1.134811141	4.57E-07
ENSG00000183160	TMEM119	1.134846667	0.005605365
ENSG00000196787	HIST1H2AG	1.135045921	0.012575637
ENSG00000146243	IRAK1BP1	1.135057976	0.014562814
ENSG00000101639	CEP192	1.135188611	8.12E-05
ENSG00000106070	GRB10	1.135218574	0.000326676
ENSG00000156802	ATAD2	1.135274796	0.000153533
ENSG00000119397	CNTRL	1.135320976	1.18E-06
ENSG00000003393	ALS2	1.135369267	3.46E-08
ENSG00000165244	ZNF367	1.135395678	0.000463692

ENSG00000135750	KCNK1	1.135446245	0.042841962
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ENSG00000188483	IER5L	1.135574284	4.13E-06
ENSG00000143494	VASH2	1.135655896	1.32E-05
ENSG00000066056	TIE1	1.135663656	0.032086551
ENSG00000145864	GABRB2	1.135696186	0.008560868
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ENSG00000140092	FBLN5	1.135762561	0.00054424
ENSG00000006125	AP2B1	1.135765153	0.002963701
ENSG00000184967	NOC4L	1.135891117	1.92E-07
ENSG00000175063	UBE2C	1.135936216	0.007746375
ENSG00000113140	SPARC	1.136114173	0.030576696
ENSG00000138346	DNA2	1.136255741	2.90E-05
ENSG00000163013	FBXO41	1.136335996	4.08E-06
ENSG00000136872	ALDOB	1.136367599	0.007697947
ENSG00000111596	CNOT2	1.136435304	0.010185732
ENSG00000058804	NDC1	1.136560356	1.12E-07
ENSG00000112312	GMNN	1.136580517	0.014014773
ENSG00000106012	IQCE	1.136643667	0.00032281
ENSG00000120889	TNFRSF10B	1.136905925	8.66E-07
ENSG00000165802	NSMF	1.13692916	0.002532529
ENSG00000153214	TMEM87B	1.137031973	2.40E-09
ENSG00000159885	ZNF222	1.137169914	0.000218637
ENSG00000185920	PTCH1	1.137188912	1.76E-05
ENSG00000149679	CABLES2	1.137218301	4.38E-07
ENSG00000100526	CDKN3	1.137221862	0.006768285
ENSG00000061794	MRPS35	1.137292455	0.004255309
ENSG00000198246	SLC29A3	1.137363738	1.18E-07
ENSG00000105963	ADAP1	1.137415761	0.003650861
ENSG00000158186	MRAS	1.137487691	2.60E-05
ENSG00000002834	LASP1	1.137506228	0.005255093
ENSG00000114993	RTKN	1.137797517	0.000238277
ENSG00000123219	CENPK	1.137809997	0.002501924
ENSG00000124145	SDC4	1.137994995	0.003706504
ENSG00000106125	FAM188B	1.13801461	1.76E-05
ENSG00000117010	ZNF684	1.138054731	7.11E-07
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ENSG00000138778	CENPE	1.138248594	0.004200734
ENSG00000131781	FMO5	1.138254971	0.046413313
ENSG00000147535	PPAPDC1B	1.138394085	1.67E-07
ENSG00000143067	ZNF697	1.13841451	2.63E-08
ENSG00000110318	KIAA1377	1.138441844	4.52E-08
ENSG00000156970	BUB1B	1.138481138	0.001991737
ENSG00000143578	CREB3L4	1.138517922	2.51E-05
ENSG00000162337	LRP5	1.138607774	0.000441231
ENSG00000172348	RCAN2	1.138741344	0.0127984

ENSG00000111581	NUP107	1.138770317	0.025213937
ENSG00000116918	TSNAX	1.138821461	0.037414384
ENSG00000146535	GNA12	1.138885601	4.56E-12
ENSG00000164647	STEAP1	1.138962319	0.019925039
ENSG00000105879	CBLL1	1.138967322	4.09E-05
ENSG00000152291	TGOLN2	1.138991694	9.73E-06
ENSG00000204406	MBD5	1.139016004	7.72E-06
ENSG00000165511	C10orf25	1.13920686	4.48E-05
ENSG00000181817	LSM10	1.139237764	1.47E-09
ENSG00000077232	DNAJC10	1.139257936	0.009462527
ENSG00000104093	DMXL2	1.139351096	0.048662112
ENSG00000164151	KIAA0947	1.139362898	1.35E-06
ENSG00000056277	ZNF280C	1.13949738	0.002288638
ENSG00000163069	SGCB	1.139598483	1.80E-06
ENSG00000165915	SLC39A13	1.139624148	1.73E-11
ENSG00000128581	RABL5	1.139639434	7.45E-06
ENSG00000131238	PPT1	1.139765509	1.96E-10
ENSG00000167608	TMC4	1.139864816	0.000166179
ENSG00000167617	CDC42EP5	1.139927261	0.012109348
ENSG00000143324	XPR1	1.139987166	7.69E-08
ENSG00000154309	DISP1	1.140007546	0.004636499
ENSG00000198846	TOX	1.140147036	0.000696084
ENSG00000176401	EID2B	1.140167792	0.00103799
ENSG00000138002	IFT172	1.140623139	6.57E-06
ENSG00000056998	GYG2	1.14063368	2.91E-05
ENSG00000106665	CLIP2	1.140655782	0.004690368
ENSG00000156587	UBE2L6	1.140659078	0.000940581
ENSG00000165322	ARHGAP12	1.140770054	0.020885254
ENSG00000030066	NUP160	1.140790415	9.70E-08
ENSG00000118513	MYB	1.140881298	0.000335675
ENSG00000124766	SOX4	1.140896552	0.002872474
ENSG00000132561	MATN2	1.140995642	0.003647383
ENSG00000132773	TOE1	1.141049476	2.88E-10
ENSG00000143633	C1orf131	1.141093781	3.11E-11
ENSG00000127423	AUNIP	1.141151131	1.81E-05
ENSG00000095539	SEMA4G	1.141337432	0.001183192
ENSG00000143653	SCCPDH	1.141446837	0.00059007
ENSG00000147118	ZNF182	1.141469295	5.52E-07
ENSG00000138448	ITGAV	1.141505472	0.032454802
ENSG00000185684	EP400NL	1.14165876	7.63E-06
ENSG00000175745	NR2F1	1.141670419	4.33E-06
ENSG00000132437	DDC	1.14167304	0.015848901
ENSG00000196284	SUPT3H	1.141699436	5.19E-06
ENSG00000256087	ZNF432	1.141806786	0.016271198
ENSG00000173698	GPR64	1.141864183	0.016749859
ENSG00000165060	FXN	1.141977433	2.21E-05
ENSG00000231389	HLA-DPA1	1.141996926	0.007090616

ENSG00000170190	SLC16A5	1.142191414	4.03E-05
ENSG00000088305	DNMT3B	1.142200125	8.53E-06
ENSG00000120254	MTHFD1L	1.142519511	2.63E-09
ENSG00000197261	C6orf141	1.142522632	0.006856028
ENSG00000047230	CTPS2	1.142527033	2.15E-06
ENSG00000157657	ZNF618	1.142555962	1.79E-05
ENSG00000189227	C15orf61	1.142566114	4.89E-08
ENSG00000101596	SMCHD1	1.142726961	1.50E-06
ENSG00000152763	WDR78	1.142829078	2.33E-05
ENSG00000110917	MLEC	1.14296168	0.005854408
ENSG00000111859	NEDD9	1.143033965	0.002373591
ENSG00000172156	CCL11	1.143102153	0.006385972
ENSG00000136141	LRCH1	1.143123566	1.76E-08
ENSG00000043591	ADRB1	1.143127034	0.000620376
ENSG00000064313	TAF2	1.143153187	0.030105382
ENSG00000185947	ZNF267	1.14321613	0.010145923
ENSG00000185862	EVI2B	1.14321958	0.036311292
ENSG00000086619	ERO1LB	1.143400742	0.000350282
ENSG00000088325	TPX2	1.143516378	0.00605708
ENSG00000107796	ACTA2	1.143534539	0.004951749
ENSG00000173852	DPY19L1	1.143553828	0.003092953
ENSG00000130203	APOE	1.143574079	4.87E-05
ENSG00000049323	LTBP1	1.143611861	0.000919561
ENSG00000179988	PSTK	1.143648622	0.001737353
ENSG00000137166	FOXP4	1.143760285	2.89E-08
ENSG00000130513	GDF15	1.143815143	0.008828347
ENSG00000173193	PARP14	1.143880441	6.28E-07
ENSG00000063322	MED29	1.143939002	1.96E-06
ENSG00000108582	CPD	1.143956997	1.22E-07
ENSG00000030110	BAK1	1.143988226	0.004685392
ENSG00000139178	C1RL	1.14405992	1.76E-12
ENSG00000148935	GAS2	1.144291257	0.000165699
ENSG00000083842	ZNF8	1.144373749	9.89E-07
ENSG00000124839	RAB17	1.144386778	0.001600646
ENSG00000181924	COA4	1.144428085	3.06E-10
ENSG00000171159	C9orf16	1.144472857	0.00038404
ENSG00000160867	FGFR4	1.14460437	0.007752151
ENSG00000084774	CAD	1.144611129	9.26E-07
ENSG00000146433	TMEM181	1.144671033	8.28E-10
ENSG00000187801	ZFP69B	1.144825115	6.16E-05
ENSG00000119969	HELLS	1.144866313	0.019233521
ENSG00000131471	AOC3	1.144871306	0.009392803
ENSG00000173465	SSSCA1	1.144947411	1.32E-09
ENSG00000153064	BANK1	1.144986655	0.001392949
ENSG00000138823	MTTP	1.14508677	0.00235197
ENSG00000147804	SLC39A4	1.145159675	0.001257134
ENSG00000117586	TNFSF4	1.145191968	0.005248748

ENSG00000137486	ARRB1	1.145213151	6.70E-06
ENSG00000162543	UBXN10	1.145239537	2.03E-06
ENSG00000142173	COL6A2	1.145273521	0.000520969
ENSG00000203943	SAMD13	1.145298578	0.007080723
ENSG00000168283	BMI1	1.145362347	0.048807533
ENSG00000197256	KANK2	1.145491457	9.05E-05
ENSG00000198673	FAM19A2	1.145495645	0.014256849
ENSG00000156006	NAT2	1.145602988	0.010711788
ENSG00000147168	IL2RG	1.145673989	0.004978836
ENSG00000198915	RASGEF1A	1.145761799	0.002942133
ENSG00000163520	FBLN2	1.145763756	0.000673563
ENSG00000171492	LRRC8D	1.145853203	0.001052768
ENSG00000117069	ST6GALNAC5	1.146086217	0.000746678
ENSG00000088451	TGDS	1.14611306	6.36E-07
ENSG00000011600	TYROBP	1.14616529	0.025422997
ENSG00000140391	TSPAN3	1.146238356	0.000477479
ENSG00000178104	PDE4DIP	1.146279291	3.09E-10
ENSG00000211598	IGKV4-1	1.146447059	0.008458423
ENSG00000115306	SPTBN1	1.14648749	5.99E-11
ENSG00000117525	F3	1.146524993	5.80E-05
ENSG00000070018	LRP6	1.146604104	1.26E-10
ENSG00000126249	PDCD2L	1.146687246	2.15E-05
ENSG00000128534	NAA38	1.146700741	7.12E-06
ENSG00000204520	MICA	1.146872392	7.14E-06
ENSG00000114547	ROPN1B	1.146892212	0.004984971
ENSG00000102805	CLN5	1.146994262	5.73E-06
ENSG00000110719	TCIRG1	1.147137154	0.001478606
ENSG00000036473	OTC	1.147291765	0.007476839
ENSG00000165757	KIAA1462	1.147337289	9.04E-08
ENSG00000187164	KIAA1598	1.14734028	0.048212683
ENSG00000178927	C17orf62	1.147461402	0.000114213
ENSG00000179598	PLD6	1.147515913	4.35E-05
ENSG00000141934	PPAP2C	1.147517984	0.005948153
ENSG00000110079	MS4A4A	1.147534034	0.000732962
ENSG00000120708	TGFBI	1.147589886	0.006216335
ENSG00000144724	PTPRG	1.147669816	0.003921545
ENSG00000138134	STAMBPL1	1.147731189	1.41E-05
ENSG00000170412	GPRC5C	1.14777752	0.000156998
ENSG00000136522	MRPL47	1.147805141	7.74E-09
ENSG00000107281	NPDC1	1.147806243	0.000265778
ENSG00000073910	FRY	1.147878754	4.91E-06
ENSG00000185686	PRAME	1.147888152	0.015109231
ENSG00000129757	CDKN1C	1.147928916	3.23E-07
ENSG00000198863	RUNDC1	1.148152512	6.13E-11
ENSG00000140832	MARVELD3	1.14836671	1.30E-07
ENSG00000156853	ZNF689	1.148384424	5.23E-06
ENSG00000154589	LY96	1.148416924	0.017074686

ENSG00000214274	ANG	1.148439435	0.024730207
ENSG00000104870	FCGRT	1.148611319	0.001488512
ENSG00000215018	COL28A1	1.148703281	0.005798944
ENSG00000214530	STARD10	1.148748063	3.80E-06
ENSG00000049089	COL9A2	1.148808986	0.000194668
ENSG00000136514	RTP4	1.148826748	0.00173412
ENSG00000217555	CKLF	1.148878736	0.002966083
ENSG00000182118	FAM89A	1.148951979	2.00E-05
ENSG00000106546	AHR	1.149080952	0.006877304
ENSG00000054983	GALC	1.149159035	0.000486525
ENSG00000135968	GCC2	1.149345332	0.035352781
ENSG00000158528	PPP1R9A	1.149424669	0.000323189
ENSG00000166866	MYO1A	1.149494468	0.000756275
ENSG00000180346	TIGD2	1.14973565	9.18E-07
ENSG00000213221	DNLZ	1.149809679	5.85E-07
ENSG00000132744	ACY3	1.149850358	2.96E-05
ENSG00000157224	CLDN12	1.149887417	1.72E-05
ENSG00000050405	LIMA1	1.149909392	0.00129428
ENSG00000198841	KTI12	1.149968837	9.38E-08
ENSG00000066279	ASPM	1.150103879	0.000552494
ENSG00000130300	PLVAP	1.150112471	1.05E-05
ENSG00000171448	ZBTB26	1.15020173	1.91E-06
ENSG00000142871	CYR61	1.150232621	0.000130759
ENSG00000132530	XAF1	1.150294181	0.002839653
ENSG00000171848	RRM2	1.150307202	0.026290656
ENSG00000130706	ADRM1	1.150509274	3.67E-08
ENSG00000128266	GNAZ	1.15073835	0.001662273
ENSG00000156510	HKDC1	1.150819393	7.69E-10
ENSG00000168615	ADAM9	1.150950097	0.045671851
ENSG00000211644	IGLV1-51	1.151122677	0.008987202
ENSG00000167981	ZNF597	1.151167022	0.000968253
ENSG00000128944	KNSTRN	1.151179104	3.12E-05
ENSG00000131910	NR0B2	1.151182937	0.002066467
ENSG00000130508	PXDN	1.151257142	0.003173832
ENSG00000113368	LMNB1	1.151275545	0.012557984
ENSG00000184154	LRTOMT	1.151407399	0.00325081
ENSG00000141542	RAB40B	1.151589345	8.85E-10
ENSG00000110042	DTX4	1.151785493	0.001012857
ENSG00000175548	ALG10B	1.151906706	0.004152335
ENSG00000134569	LRP4	1.152086606	0.014199751
ENSG00000125931	CITED1	1.152196248	0.000130773
ENSG00000112981	NME5	1.152219927	0.003119798
ENSG00000165030	NFIL3	1.152350381	1.96E-05
ENSG00000163521	GLB1L	1.152418105	1.07E-05
ENSG00000124574	ABCC10	1.152691302	3.35E-09
ENSG00000162836	ACP6	1.152775212	4.40E-07
ENSG00000116406	EDEM3	1.152936283	1.01E-05

ENSG00000138075	ABCG5	1.152961039	0.004000741
ENSG00000163918	RFC4	1.15322759	0.001732629
ENSG00000112394	SLC16A10	1.153268345	0.003527528
ENSG00000185499	MUC1	1.15329241	0.02494207
ENSG00000170571	EMB	1.153299216	6.10E-05
ENSG00000107485	GATA3	1.153393423	0.013234373
ENSG00000105976	MET	1.153504269	1.19E-07
ENSG00000185745	IFIT1	1.153568513	0.045752057
ENSG00000137691	C11orf70	1.153578756	8.06E-05
ENSG00000213614	HEXA	1.15360085	3.73E-10
ENSG00000179820	MYADM	1.153628151	6.44E-05
ENSG00000156469	MTERFD1	1.153695164	0.006888903
ENSG00000104524	PYCRL	1.153784259	1.69E-08
ENSG00000168078	PBK	1.153874887	0.025562875
ENSG00000065485	PDIA5	1.154069285	0.000236281
ENSG00000139211	AMIGO2	1.154084106	0.016553261
ENSG00000140749	IGSF6	1.154119061	0.006158719
ENSG00000158164	TMSB15A	1.154167905	0.015242379
ENSG00000117523	PRRC2C	1.154269918	1.92E-10
ENSG00000187815	ZFP69	1.154386584	0.000577497
ENSG00000120820	GLT8D2	1.154590425	0.000106791
ENSG00000097046	CDC7	1.15461181	0.004129282
ENSG00000069712	KIAA1107	1.15473308	5.13E-05
ENSG00000126458	RRAS	1.154767861	1.18E-06
ENSG00000174939	ASPHD1	1.154785767	0.006671009
ENSG00000169696	ASPSR1	1.154860485	7.64E-06
ENSG00000138080	EMILIN1	1.154904637	0.000322519
ENSG00000101224	CDC25B	1.154949924	0.002388131
ENSG00000109689	STIM2	1.155257047	3.15E-09
ENSG00000198380	GFPT1	1.155299935	0.006081214
ENSG00000100523	DDHD1	1.155372894	7.32E-07
ENSG00000182326	C1S	1.155568109	0.012201992
ENSG00000242574	HLA-DMB	1.155649206	0.003925115
ENSG00000165959	CLMN	1.155687526	0.007751395
ENSG00000137492	PRKRIR	1.155723618	0.002349409
ENSG00000107897	ACBD5	1.155948973	2.05E-08
ENSG00000151834	GABRA2	1.155966306	0.020137829
ENSG00000173588	CCDC41	1.155977202	2.19E-06
ENSG00000163535	SGOL2	1.156110913	0.000118977
ENSG00000163697	APBB2	1.15616757	2.69E-06
ENSG00000032742	IFT88	1.156315565	7.45E-10
ENSG00000178462	TUBAL3	1.156486667	0.003180325
ENSG00000047597	XK	1.15656236	0.039821922
ENSG00000118514	ALDH8A1	1.156630398	0.014827217
ENSG00000138755	CXCL9	1.157021139	0.012968936
ENSG00000187210	GCNT1	1.157058356	0.022994115
ENSG00000102038	SMARCA1	1.157126022	0.000912494

ENSG00000091409	ITGA6	1.157150347	0.007726864
ENSG00000172915	NBEA	1.157223369	0.000773739
ENSG00000108753	HNFB1B	1.157387915	0.006139763
ENSG00000144426	NBEAL1	1.157411098	5.27E-05
ENSG00000183779	ZNF703	1.157420582	1.16E-06
ENSG00000111801	BTN3A3	1.157465486	0.015338371
ENSG00000196418	ZNF124	1.157498932	3.15E-06
ENSG00000214290	COLCA2	1.157644027	0.002028218
ENSG00000186340	THBS2	1.157688315	0.024438062
ENSG00000135318	NT5E	1.157743592	0.011280944
ENSG00000107863	ARHGAP21	1.157744455	1.50E-08
ENSG00000170458	CD14	1.157762752	0.00651957
ENSG00000156170	NDUFAF6	1.157777757	2.03E-06
ENSG00000151229	SLC2A13	1.157852917	2.07E-09
ENSG00000139318	DUSP6	1.157915511	9.58E-05
ENSG00000162745	OLFML2B	1.157924341	0.014644541
ENSG00000130222	GADD45G	1.158184573	0.000138134
ENSG00000117479	SLC19A2	1.158192163	7.83E-07
ENSG00000103494	RPGRIP1L	1.158266015	0.000109807
ENSG00000004864	SLC25A13	1.158280094	0.001636462
ENSG00000129009	ISLR	1.158283833	0.000263896
ENSG00000073712	FERMT2	1.158469933	3.94E-05
ENSG00000170088	TMEM192	1.158658257	1.02E-05
ENSG00000204264	PSMB8	1.158719201	0.0007693
ENSG00000113209	PCDHB5	1.158748938	0.026724302
ENSG00000059804	SLC2A3	1.158812061	1.78E-06
ENSG00000135480	KRT7	1.158925014	2.74E-05
ENSG00000154734	ADAMTS1	1.158975134	1.16E-05
ENSG00000172985	SH3RF3	1.159174089	2.32E-05
ENSG00000153233	PTPRR	1.159278406	0.034295112
ENSG00000025434	NR1H3	1.159581746	0.003028558
ENSG00000116793	PHTF1	1.159780992	3.02E-06
ENSG00000143416	SELENBP1	1.159843059	1.51E-06
ENSG00000124785	NRN1	1.159867769	0.026552911
ENSG00000015475	BID	1.159971621	0.000316749
ENSG00000134321	RSAD2	1.16010434	0.028690671
ENSG00000158869	FCER1G	1.16011638	0.00399238
ENSG00000189058	APOD	1.160150759	0.000450848
ENSG00000178409	BEND3	1.16034684	2.00E-07
ENSG00000173546	CSPG4	1.160449985	6.26E-06
ENSG00000198087	CD2AP	1.160590792	0.012625067
ENSG00000101189	MRGBP	1.160694354	0.003153186
ENSG00000153944	MSI2	1.16097602	8.43E-09
ENSG00000187123	LYPD6	1.160981274	2.96E-06
ENSG00000087448	KLHL42	1.16104516	4.22E-06
ENSG00000164933	SLC25A32	1.161090362	0.009918474
ENSG00000118503	TNFAIP3	1.161125883	0.03645556

ENSG00000088727	KIF9	1.16113621	8.58E-10
ENSG00000102172	SMS	1.161143891	0.008007499
ENSG00000157873	TNFRSF14	1.161248999	0.007004903
ENSG00000151065	DCP1B	1.161249094	6.07E-09
ENSG00000151012	SLC7A11	1.161252239	0.002154332
ENSG00000214413	BBIP1	1.1613526	2.56E-08
ENSG00000147382	FAM58A	1.161443717	1.82E-11
ENSG00000111452	GPR133	1.161575214	0.039294275
ENSG00000131203	IDO1	1.161601231	0.041915791
ENSG00000173334	TRIB1	1.161646398	0.001005896
ENSG00000115468	EFHD1	1.161690971	0.001699199
ENSG00000122778	KIAA1549	1.161799076	4.84E-09
ENSG00000165556	CDX2	1.161833192	0.000108124
ENSG00000184207	PGP	1.161897612	6.57E-11
ENSG00000073756	PTGS2	1.161927434	0.031456178
ENSG00000168394	TAP1	1.161992752	0.007715873
ENSG00000076706	MCAM	1.162098168	2.88E-07
ENSG00000226887	ERVMER34-1	1.162356622	0.000862202
ENSG00000005108	THSD7A	1.16238491	0.000387716
ENSG00000102760	RGCC	1.162407663	5.17E-07
ENSG00000184307	ZDHHC23	1.162475622	1.29E-06
ENSG00000189184	PCDH18	1.162530941	4.79E-05
ENSG00000157800	SLC37A3	1.162559057	1.58E-09
ENSG00000129295	LRRC6	1.16277834	0.005805452
ENSG00000109205	ODAM	1.162930971	0.011294599
ENSG00000144837	PLA1A	1.16303691	0.019705911
ENSG00000101882	NKAP	1.163085991	5.09E-07
ENSG00000173372	C1QA	1.163205455	0.008250353
ENSG00000136960	ENPP2	1.163339217	0.047779349
ENSG00000146039	SLC17A4	1.16338819	0.004879802
ENSG00000015413	DPEP1	1.16345366	0.034440608
ENSG00000214050	FBXO16	1.163470828	5.78E-05
ENSG00000115165	CYTIP	1.16358531	0.02957533
ENSG00000233493	TMEM238	1.163600561	6.26E-07
ENSG00000090971	NAT14	1.163753329	1.90E-05
ENSG00000160469	BRSK1	1.163757278	0.000887948
ENSG00000166130	IKBIP	1.163781614	1.75E-06
ENSG00000135596	MICAL1	1.16378417	0.002510003
ENSG00000184007	PTP4A2	1.163908582	0.001176045
ENSG00000111247	RAD51AP1	1.164115226	0.016702758
ENSG00000167543	TP53I13	1.164152082	6.38E-12
ENSG00000100575	TIMM9	1.164346913	5.27E-08
ENSG00000146859	TMEM140	1.164585609	4.79E-06
ENSG00000211895	IGHA1	1.16464943	0.039914098
ENSG00000130707	ASS1	1.164660021	0.008851559
ENSG00000070269	TMEM260	1.164741131	6.33E-07
ENSG00000100749	VRK1	1.164757183	0.007872732

ENSG00000124875	CXCL6	1.164822933	0.047034134
ENSG00000070669	ASNS	1.164914913	0.003311281
ENSG00000169439	SDC2	1.164944717	8.53E-05
ENSG00000125895	TMEM74B	1.164988254	0.001021103
ENSG00000135124	P2RX4	1.165001053	0.000288541
ENSG00000068097	HEATR6	1.165245364	4.57E-07
ENSG00000153922	CHD1	1.165450931	2.58E-09
ENSG00000080823	MOK	1.165558922	3.30E-05
ENSG00000142611	PRDM16	1.165597502	0.003365501
ENSG00000163453	IGFBP7	1.165623799	0.027420554
ENSG00000146070	PLA2G7	1.165892006	0.026635161
ENSG00000162618	ELTD1	1.16634264	0.000481681
ENSG00000131711	MAP1B	1.166514074	6.66E-05
ENSG00000077585	GPR137B	1.166586047	0.001152557
ENSG00000170231	FABP6	1.166768848	0.002673201
ENSG00000133114	GPALPP1	1.166891602	3.34E-06
ENSG00000138696	BMPR1B	1.167038833	0.001859175
ENSG00000178623	GPR35	1.167201556	0.000476287
ENSG00000132952	USPL1	1.167217919	6.03E-08
ENSG00000169740	ZNF32	1.167253308	5.08E-07
ENSG00000169826	CSGALNACT2	1.167282239	7.72E-07
ENSG00000158480	SPATA2	1.167331046	3.33E-08
ENSG00000121211	MND1	1.16748701	0.000441271
ENSG00000109743	BST1	1.167583867	7.77E-06
ENSG00000122786	CALD1	1.167614174	8.68E-07
ENSG00000116984	MTR	1.167690064	2.98E-10
ENSG00000183831	ANKRD45	1.167898203	0.003392322
ENSG00000039560	RAI14	1.167976518	0.021079395
ENSG00000179085	DPM3	1.167995609	3.65E-09
ENSG00000101605	MYOM1	1.168004509	7.02E-05
ENSG00000090376	IRAK3	1.1680292	0.006198488
ENSG00000164713	BRI3	1.168183561	3.36E-09
ENSG00000166959	MS4A8	1.168269451	0.002067142
ENSG00000163251	FZD5	1.168353604	0.002239519
ENSG00000119729	RHOQ	1.168357693	8.62E-09
ENSG00000165115	KIF27	1.168463455	1.20E-06
ENSG00000054965	FAM168A	1.168595929	6.17E-07
ENSG00000169429	IL8	1.168734798	0.037938076
ENSG00000167925	GHDC	1.168872672	6.42E-05
ENSG00000152669	CCNO	1.168876573	2.73E-06
ENSG00000153982	GDPD1	1.168928528	0.000452906
ENSG00000130147	SH3BP4	1.168984769	0.001800503
ENSG00000164078	MST1R	1.16904581	0.000298665
ENSG00000170540	ARL6IP1	1.169057377	0.000136935
ENSG00000154447	SH3RF1	1.169250993	2.71E-07
ENSG00000138061	CYP1B1	1.169277984	0.034242388
ENSG00000035499	DEPDC1B	1.169388878	0.001499908

ENSG00000107551	RASSF4	1.169410646	2.23E-05
ENSG00000104324	CPQ	1.169420586	4.14E-06
ENSG00000162694	EXTL2	1.169453575	4.52E-06
ENSG00000087495	PHACTR3	1.169464431	0.007513957
ENSG00000222017	AC011997.1	1.169490541	0.000370276
ENSG00000115758	ODC1	1.169575307	0.013573286
ENSG00000058091	CDK14	1.169614539	6.08E-05
ENSG00000042317	SPATA7	1.169817511	3.83E-08
ENSG00000257335	MGAM	1.170140058	0.001546966
ENSG00000153790	C7orf31	1.17023691	1.21E-06
ENSG00000128203	ASPHD2	1.170251802	0.000704901
ENSG00000117477	CCDC181	1.170275257	0.00471971
ENSG00000139146	FAM60A	1.170342539	7.23E-06
ENSG00000198443	KRTAP4-1	1.170669776	0.015909951
ENSG00000117643	MAN1C1	1.170788074	0.000216894
ENSG00000196549	MME	1.171045875	0.004499823
ENSG00000198682	PAPSS2	1.171055422	0.000887012
ENSG00000121380	BCL2L14	1.171254949	0.008373243
ENSG00000173041	ZNF680	1.171328015	9.93E-06
ENSG00000104369	JPH1	1.171423285	1.34E-06
ENSG00000170417	TMEM182	1.171470574	1.65E-08
ENSG00000181143	MUC16	1.171485782	0.011111777
ENSG00000103175	WFDC1	1.171781557	0.0001964
ENSG00000168917	SLC35G2	1.171840333	0.003904828
ENSG00000196511	TPK1	1.171854702	0.033612319
ENSG00000172986	GXYLT2	1.171985064	0.000433388
ENSG00000163975	MF12	1.172052931	5.55E-05
ENSG00000064270	ATP2C2	1.172071598	0.000808608
ENSG00000115641	FHL2	1.172078872	2.24E-08
ENSG00000165512	ZNF22	1.172183445	1.57E-07
ENSG00000113583	C5orf15	1.172266034	0.000505507
ENSG00000007372	PAX6	1.172438658	0.001388803
ENSG00000104213	PDGFRL	1.172506767	0.00146136
ENSG00000102048	ASB9	1.172554626	1.38E-05
ENSG00000157985	AGAP1	1.172677722	2.71E-09
ENSG00000158985	CDC42SE2	1.172758101	2.32E-08
ENSG00000177570	SAMD12	1.172850592	1.43E-09
ENSG00000123689	G0S2	1.172957904	0.000866357
ENSG00000052795	FNIP2	1.173506492	3.27E-10
ENSG00000188707	ZBED6CL	1.173545157	9.59E-08
ENSG00000155380	SLC16A1	1.17364929	0.001254252
ENSG00000150471	LPHN3	1.173715084	7.35E-05
ENSG00000006042	TMEM98	1.173898243	9.34E-10
ENSG00000127561	SYNGR3	1.174108888	0.011006925
ENSG00000267795	SMIM22	1.174154744	4.30E-06
ENSG00000159713	TPPP3	1.174154746	0.000629093
ENSG00000143570	SLC39A1	1.174295431	1.91E-08

ENSG00000116774	OLFML3	1.174305727	0.00048519
ENSG00000125676	THOC2	1.174334081	4.00E-11
ENSG00000232671	RP11-126K1.2	1.174424197	3.40E-07
ENSG00000123975	CKS2	1.174592419	0.011255945
ENSG00000155660	PDIA4	1.174626167	0.000309437
ENSG00000196659	TTC30B	1.174693847	4.20E-06
ENSG00000157992	KRTCAP3	1.174701362	3.42E-09
ENSG00000186417	GLDN	1.174911979	0.000960626
ENSG00000127328	RAB3IP	1.174941988	4.84E-05
ENSG00000183150	GPR19	1.175032462	0.000580471
ENSG00000204991	SPIRE2	1.175158125	3.94E-06
ENSG00000170989	S1PR1	1.175394784	0.000540231
ENSG00000107537	PHYH	1.175435482	0.022177705
ENSG00000109501	WFS1	1.175461321	1.02E-07
ENSG00000146678	IGFBP1	1.175563103	0.046943997
ENSG00000082512	TRAF5	1.175575856	0.006225319
ENSG00000117399	CDC20	1.175665964	0.003877864
ENSG00000166510	CCDC68	1.175776701	0.039854296
ENSG00000106366	SERPINE1	1.175787403	0.005710576
ENSG00000172366	FAM195A	1.175908122	2.95E-09
ENSG00000115828	QPCT	1.17610201	0.048225384
ENSG00000051523	CYBA	1.17631923	0.000201445
ENSG00000127928	GNGT1	1.176491306	0.009110492
ENSG00000179344	HLA-DQB1	1.176547931	0.01167143
ENSG00000126787	DLGAP5	1.176579401	0.000408315
ENSG00000169347	GP2	1.176598181	0.018643176
ENSG00000047634	SCML1	1.176619981	1.82E-05
ENSG00000147224	PRPS1	1.176669338	8.38E-07
ENSG00000148655	C10orf11	1.17670833	5.90E-05
ENSG00000128567	PODXL	1.176843794	0.000693745
ENSG00000175445	LPL	1.176980759	4.45E-05
ENSG00000151746	BICD1	1.177378542	5.84E-08
ENSG00000137745	MMP13	1.177481121	0.020474353
ENSG00000163131	CTSS	1.17750445	0.004081789
ENSG00000204335	SP5	1.177895409	0.000897204
ENSG00000150961	SEC24D	1.178068138	2.12E-07
ENSG00000171121	KCNMB3	1.178094329	3.19E-08
ENSG00000183963	SMTN	1.178140646	1.78E-06
ENSG00000154274	C4orf19	1.178282387	0.0030999
ENSG00000073060	SCARB1	1.178289645	1.08E-08
ENSG00000137285	TUBB2B	1.178293468	0.003446592
ENSG00000127920	GNG11	1.178306339	9.82E-06
ENSG00000187049	TMEM216	1.178419465	7.28E-13
ENSG00000134285	FKBP11	1.17845403	0.00118418
ENSG00000205084	TMEM231	1.178473236	1.23E-05
ENSG00000135773	CAPN9	1.178579509	0.046330783
ENSG00000166068	SPRED1	1.178608631	6.53E-08

ENSG00000133111	RFXAP	1.178939793	1.32E-07
ENSG00000205047	FLJ00104	1.178969257	0.000444065
ENSG00000188487	INSC	1.179008223	0.001624949
ENSG00000144407	PTH2R	1.179118853	0.044166235
ENSG00000137825	ITPKA	1.179142755	2.04E-05
ENSG00000109193	SULT1E1	1.179170743	0.007853499
ENSG00000165949	IFI27	1.179378894	0.000413127
ENSG00000005884	ITGA3	1.179444085	0.001282585
ENSG00000106443	PHF14	1.179542425	4.63E-10
ENSG00000149257	SERPINH1	1.179824421	0.000661148
ENSG00000203668	CHML	1.179903191	4.09E-06
ENSG00000169507	SLC38A11	1.180096591	0.008408119
ENSG00000128656	CHN1	1.180408544	6.94E-06
ENSG00000106948	AKNA	1.180749891	1.15E-06
ENSG00000005448	WDR54	1.180895334	1.06E-07
ENSG00000137573	SULF1	1.180924241	0.034429118
ENSG00000110721	CHKA	1.18098043	0.002959005
ENSG00000104341	LAPTM4B	1.181189164	1.08E-05
ENSG00000078401	EDN1	1.181406053	3.93E-06
ENSG00000065911	MTHFD2	1.181578436	0.00049007
ENSG00000124201	ZNFX1	1.181606783	1.91E-12
ENSG00000197142	ACSL5	1.181736506	0.012835642
ENSG00000117226	GBP3	1.181773378	0.004801653
ENSG00000165806	CASP7	1.182010137	0.006763112
ENSG00000163083	INHBB	1.182075156	0.010388708
ENSG00000187498	COL4A1	1.182139849	0.006507991
ENSG00000171617	ENC1	1.182251768	0.002565273
ENSG00000123843	C4BPB	1.182274393	0.001352801
ENSG00000196878	LAMB3	1.18236058	0.005489772
ENSG00000014914	MTMR11	1.182361809	0.001674429
ENSG00000172301	COPRS	1.182558528	6.53E-11
ENSG00000256980	KHDC1L	1.182613654	0.021842063
ENSG00000083642	PDS5B	1.182671556	9.63E-08
ENSG00000105499	PLA2G4C	1.182787218	0.000364159
ENSG00000111671	SPSB2	1.182921778	1.32E-06
ENSG00000123496	IL13RA2	1.183037884	0.000997694
ENSG00000106333	PCOLCE	1.183191147	2.40E-07
ENSG00000091436	MLTK	1.183191693	1.13E-08
ENSG00000198758	EPS8L3	1.183218485	0.005303624
ENSG00000116299	KIAA1324	1.183591941	3.64E-05
ENSG00000106077	ABHD11	1.183631228	0.006868646
ENSG00000106537	TSPAN13	1.183701237	0.00058889
ENSG00000152377	SPOCK1	1.183958858	8.10E-05
ENSG00000184988	TMEM106A	1.183986166	4.64E-06
ENSG00000153904	DDAH1	1.18412376	0.002738503
ENSG00000163435	ELF3	1.184231661	0.003460621
ENSG00000154736	ADAMTS5	1.184306292	1.11E-06

ENSG00000156876	SASS6	1.184323094	2.31E-06
ENSG00000109452	INPP4B	1.18447097	0.007735091
ENSG00000173926	3-Mar	1.184535409	0.025692246
ENSG00000145088	EAF2	1.184611357	2.26E-07
ENSG00000166575	TMEM135	1.184737623	0.005564457
ENSG00000165113	GKAP1	1.185020321	5.12E-08
ENSG00000188811	NHLRC3	1.18535394	2.27E-09
ENSG00000198546	ZNF511	1.185523076	3.27E-11
ENSG00000103429	BFAR	1.185646814	0.000117775
ENSG00000261652	C15orf65	1.185653739	5.55E-05
ENSG00000146232	NFKBIE	1.185687943	5.84E-05
ENSG00000105523	FAM83E	1.185900289	0.01117723
ENSG00000170456	DENND5B	1.186048438	3.94E-05
ENSG00000077152	UBE2T	1.186228733	9.25E-06
ENSG00000164610	RP9	1.186838606	3.78E-10
ENSG00000130988	RGN	1.186906178	0.001955276
ENSG00000002933	TMEM176A	1.186985143	0.00094619
ENSG00000137821	LRRC49	1.186991218	5.98E-06
ENSG00000170017	ALCAM	1.187024064	0.023243821
ENSG00000164116	GUCY1A3	1.187039595	0.001206186
ENSG00000105699	LSR	1.18706472	0.009990938
ENSG00000161179	YDJC	1.187107925	1.56E-12
ENSG00000168952	STXBP6	1.187180202	0.000102554
ENSG00000100068	LRP5L	1.187231129	1.39E-08
ENSG00000011422	PLAUR	1.187240269	0.000157095
ENSG00000179299	NSUN7	1.187506433	0.000168476
ENSG00000123610	TNFAIP6	1.18758978	0.014817158
ENSG00000142686	C1orf216	1.188140789	9.87E-07
ENSG00000100342	APOL1	1.188199007	0.011908325
ENSG00000137860	SLC28A2	1.18834833	0.036314169
ENSG00000083857	FAT1	1.188367732	4.94E-05
ENSG00000163359	COL6A3	1.188432808	0.007541331
ENSG00000108846	ABCC3	1.188483812	4.52E-05
ENSG00000135362	PRR5L	1.188745659	6.03E-05
ENSG00000176731	C8orf59	1.188937171	9.25E-10
ENSG00000117461	PIK3R3	1.188982132	1.84E-07
ENSG00000120334	CENPL	1.188988045	1.60E-07
ENSG00000123473	STIL	1.189053386	0.006426431
ENSG00000172638	EFEMP2	1.189099445	4.42E-09
ENSG00000197008	ZNF138	1.189202578	3.19E-05
ENSG00000177363	LRRN4CL	1.189207734	9.07E-05
ENSG00000179918	SEPHS2	1.189255639	0.000598145
ENSG00000049860	HEXB	1.189278775	0.001568805
ENSG00000133739	LRRCC1	1.189365265	3.79E-06
ENSG00000148702	HABP2	1.189416983	0.00177007
ENSG00000121966	CXCR4	1.189521709	0.006466051
ENSG00000078098	FAP	1.189665974	0.001037533

ENSG00000148735	PLEKHS1	1.18968093	0.035568803
ENSG00000219545	RPA3-AS1	1.189754883	3.07E-09
ENSG00000112877	CEP72	1.18980033	7.07E-05
ENSG00000196126	HLA-DRB1	1.189909959	0.000425373
ENSG00000167600	CYP2S1	1.189938458	3.06E-05
ENSG00000198780	FAM169A	1.189956467	0.000441765
ENSG00000076716	GPC4	1.190111564	1.87E-09
ENSG00000186470	BTN3A2	1.190337466	0.006004427
ENSG00000101974	ATP11C	1.190587067	1.24E-06
ENSG00000064763	FAR2	1.190623361	0.007486324
ENSG00000050820	BCAR1	1.19074166	7.70E-09
ENSG00000133216	EPHB2	1.190776425	4.57E-07
ENSG00000213626	LBH	1.19088877	0.018744631
ENSG00000065534	MYLK	1.191037046	0.000467938
ENSG00000197557	TTC30A	1.191190976	0.000100887
ENSG00000205220	PSMB10	1.191444819	0.000566832
ENSG00000183734	ASCL2	1.191502828	0.000520261
ENSG00000156313	RPGR	1.191556273	2.73E-06
ENSG00000124191	TOX2	1.191628971	0.000279047
ENSG00000163923	RPL39L	1.191665948	5.14E-07
ENSG00000125730	C3	1.191934692	0.018310728
ENSG00000198959	TGM2	1.191950132	2.33E-08
ENSG00000147121	KRBOX4	1.192302691	4.07E-09
ENSG00000080986	NDC80	1.192417896	0.015591821
ENSG00000147027	TMEM47	1.192424981	0.001751618
ENSG00000155629	PIK3AP1	1.192522289	2.02E-07
ENSG00000196074	SYCP2	1.192595418	0.022260234
ENSG00000147251	DOCK11	1.192635084	0.001577871
ENSG00000135697	BCMO1	1.192902035	0.001396221
ENSG00000008952	SEC62	1.192956854	2.22E-14
ENSG00000136205	TNS3	1.193298123	0.001332152
ENSG00000176273	SLC35G1	1.193336619	1.57E-07
ENSG00000137251	TINAG	1.193377134	0.000100273
ENSG00000102935	ZNF423	1.193414697	0.000361461
ENSG00000135119	RNFT2	1.193775269	4.32E-08
ENSG00000125845	BMP2	1.193951037	0.005777813
ENSG00000175567	UCP2	1.193959859	0.00054613
ENSG00000203666	EFCAB2	1.194009918	4.86E-05
ENSG00000125378	BMP4	1.194052733	0.000221001
ENSG00000001036	FUCA2	1.194301535	2.55E-12
ENSG00000139832	RAB20	1.194329242	3.90E-05
ENSG00000092964	DPYSL2	1.194434559	2.69E-07
ENSG00000132640	BTBD3	1.19446773	0.016432627
ENSG00000198431	TXNRD1	1.194568715	0.001515917
ENSG00000147408	CSGALNACT1	1.194718232	0.000364966
ENSG00000050344	NFE2L3	1.194928387	0.014480669
ENSG00000196975	ANXA4	1.195018606	0.000415353

ENSG00000069122	GPR116	1.195027998	6.37E-07
ENSG00000079257	LXN	1.195118389	5.98E-08
ENSG00000169047	IRS1	1.195256894	7.92E-08
ENSG00000086289	EPDR1	1.195314762	0.014524987
ENSG00000164109	MAD2L1	1.195697875	0.002063765
ENSG00000174607	UGT8	1.195769825	9.94E-05
ENSG00000177707	PVRL3	1.19588364	0.006028666
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ENSG00000187118	CMC1	1.195932787	1.01E-13
ENSG00000185507	IRF7	1.19605564	2.33E-07
ENSG00000087586	AURKA	1.196085686	0.009845584
ENSG00000171612	SLC25A33	1.196203999	1.43E-12
ENSG00000188706	ZDHHC9	1.196610003	3.59E-12
ENSG00000135677	GNS	1.196613505	2.96E-11
ENSG00000071967	CYBRD1	1.196621741	0.000269958
ENSG00000117318	ID3	1.196776504	1.65E-06
ENSG00000104290	FZD3	1.196799301	3.21E-07
ENSG00000172379	ARNT2	1.197051378	0.001932299
ENSG00000108176	DNAJC12	1.197519981	6.98E-06
ENSG00000144401	METTL21A	1.197811238	5.86E-07
ENSG00000164465	DCBLD1	1.197915929	1.07E-09
ENSG00000164162	ANAPC10	1.198193508	9.53E-07
ENSG00000171502	COL24A1	1.198697423	0.001587896
ENSG00000099812	MISP	1.19875137	0.000997343
ENSG00000197208	SLC22A4	1.198774778	3.22E-05
ENSG00000123609	NMI	1.198792274	0.004858174
ENSG00000153179	RASSF3	1.198836699	4.22E-08
ENSG00000101003	GINS1	1.198962239	0.007564966
ENSG00000165092	ALDH1A1	1.199015416	0.024498007
ENSG00000132170	PPARG	1.199219077	0.003377526
ENSG00000176485	PLA2G16	1.19932773	0.006676073
ENSG00000175329	ISX	1.199397626	0.021417957
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ENSG00000095203	EPB41L4B	1.1995675	0.002198425
ENSG00000131620	ANO1	1.19970833	0.00222344
ENSG00000215790	SLC35E2	1.199814161	5.65E-05
ENSG00000184220	CMSS1	1.200059702	3.31E-09
ENSG00000249992	TMEM158	1.200508633	4.14E-06
ENSG00000164877	MICALL2	1.200526378	0.000177875
ENSG00000137801	THBS1	1.200541552	7.71E-06
ENSG00000114529	C3orf52	1.200783523	0.019962932
ENSG00000240694	PNMA2	1.200999694	3.53E-06
ENSG00000169330	KIAA1024	1.201565232	1.43E-05
ENSG00000134871	COL4A2	1.201618937	0.019402258
ENSG00000150687	PRSS23	1.201832995	0.013077467
ENSG00000176153	GPX2	1.201910337	0.000635339

ENSG00000154096	THY1	1.201915769	0.002386703
ENSG00000204291	COL15A1	1.202078146	0.046842066
ENSG00000121361	KCNJ8	1.202113705	2.93E-07
ENSG00000039600	SOX30	1.202611123	4.33E-05
ENSG00000160972	PPP1R16A	1.202638419	3.34E-07
ENSG00000128342	LIF	1.202648993	5.25E-13
ENSG00000162065	TBC1D24	1.202915903	1.25E-10
ENSG00000174514	MFSD4	1.203069396	0.024254234
ENSG00000135862	LAMC1	1.203087218	2.89E-12
ENSG00000106688	SLC1A1	1.203285331	1.26E-05
ENSG00000131016	AKAP12	1.203390576	0.000168014
ENSG00000157593	SLC35B2	1.203589904	1.13E-11
ENSG00000108187	PBLD	1.203733279	0.036207308
ENSG00000139618	BRCA2	1.203742609	5.45E-05
ENSG00000116741	RGS2	1.20384656	1.33E-06
ENSG00000213337	ANKRD39	1.203910619	5.10E-09
ENSG00000196352	CD55	1.204145115	0.000563078
ENSG00000174899	C3orf55	1.204221394	0.000864587
ENSG00000060718	COL11A1	1.204330392	0.002885745
ENSG00000071794	HLTF	1.204594045	4.07E-08
ENSG00000123146	CD97	1.204894809	8.84E-05
ENSG00000118849	RARRES1	1.204927649	0.01369046
ENSG00000143674	MLK4	1.20508543	1.37E-07
ENSG00000148468	FAM171A1	1.205205902	0.012863421
ENSG00000144362	PHOSPHO2	1.205280056	4.59E-06
ENSG00000102401	ARMCX3	1.205408307	0.011905818
ENSG00000162814	SPATA17	1.205415913	0.000846769
ENSG00000163171	CDC42EP3	1.205557726	7.63E-08
ENSG00000080007	DDX43	1.205630253	0.012341814
ENSG00000186007	LEMD1	1.205638312	0.006282999
ENSG00000182853	VMO1	1.205830552	0.000926237
ENSG00000057294	PKP2	1.20590636	3.44E-12
ENSG00000140743	CDR2	1.205934743	0.009584748
ENSG00000123096	SSPN	1.206088867	0.005452123
ENSG00000183801	OLFML1	1.206301264	2.64E-05
ENSG00000169495	HTRA4	1.206301994	0.00016149
ENSG00000071073	MGAT4A	1.206837733	3.77E-06
ENSG00000160813	PPP1R35	1.207269504	3.46E-09
ENSG00000158122	AAED1	1.207432964	1.03E-07
ENSG00000132718	SYT11	1.207468471	0.000458584
ENSG00000006611	USH1C	1.207677189	0.003037702
ENSG00000128683	GAD1	1.207795943	0.000708851
ENSG00000110492	MDK	1.207931221	0.001150689
ENSG00000162817	C1orf115	1.208242732	0.001769557
ENSG00000147592	LACTB2	1.208243281	0.02620633
ENSG00000205560	CPT1B	1.208464374	0.04045962
ENSG00000169174	PCSK9	1.20854811	3.95E-05

ENSG00000021300	PLEKHB1	1.208729902	0.021968273
ENSG00000166670	MMP10	1.208937892	0.000198065
ENSG00000122176	FMOD	1.209062022	1.01E-05
ENSG00000010270	STARD3NL	1.209098157	2.67E-08
ENSG00000164181	ELOVL7	1.209998719	5.77E-08
ENSG00000138180	CEP55	1.210015331	0.00298047
ENSG00000241399	CD302	1.210114179	0.037052205
ENSG00000068489	PRR11	1.210423988	0.000412283
ENSG00000183891	TTC32	1.210563743	3.59E-07
ENSG00000168542	COL3A1	1.210781355	0.007799313
ENSG00000111110	PPM1H	1.21081096	2.49E-05
ENSG00000144959	NCEH1	1.210923972	2.98E-05
ENSG00000152894	PTPRK	1.211291446	0.001046531
ENSG00000153395	LPCAT1	1.211551616	0.000834935
ENSG00000185950	IRS2	1.21161783	9.21E-06
ENSG00000006634	DBF4	1.211863415	0.004726245
ENSG00000198734	F5	1.211897996	0.044461929
ENSG00000138794	CASP6	1.211924982	1.03E-11
ENSG00000106049	HIBADH	1.212223485	1.12E-07
ENSG00000004799	PDK4	1.212474171	2.32E-07
ENSG00000125266	EFNB2	1.21279594	0.002397493
ENSG00000130635	COL5A1	1.212947127	0.009968353
ENSG00000145247	OCIAD2	1.213648245	3.71E-11
ENSG00000168993	CPLX1	1.213670879	0.001227929
ENSG00000155099	TMEM55A	1.213681022	1.23E-06
ENSG00000131747	TOP2A	1.213762238	0.005705324
ENSG00000125740	FOSB	1.214102093	0.000559904
ENSG00000227184	EPPK1	1.214186062	9.37E-07
ENSG00000188761	BCL2L15	1.214196843	2.53E-06
ENSG00000181634	TNFSF15	1.214277888	7.15E-07
ENSG00000188242	CTD-2228K2.5	1.214298985	0.014806323
ENSG00000150977	RILPL2	1.21430207	3.16E-09
ENSG00000185404	SP140L	1.21477604	0.009882105
ENSG00000101825	MXRA5	1.215022408	0.000315903
ENSG00000135220	UGT2A3	1.215080323	0.00530031
ENSG00000022567	SLC45A4	1.215113863	1.39E-09
ENSG00000268172	AL590452.1	1.21522535	7.39E-06
ENSG00000133019	CHRM3	1.215370567	6.04E-05
ENSG00000106701	FSD1L	1.215613764	4.38E-06
ENSG00000169744	LDB2	1.215747953	2.80E-05
ENSG00000205269	TMEM170B	1.215847199	9.91E-05
ENSG00000243955	GSTA1	1.216292984	0.020300645
ENSG00000123684	LPGAT1	1.216335159	0.002706175
ENSG00000107165	TYRP1	1.216365961	0.0223806
ENSG00000119408	NEK6	1.216386565	1.80E-14
ENSG00000149131	SERPING1	1.216426049	4.64E-05
ENSG00000167641	PPP1R14A	1.216672396	4.71E-05

ENSG0000001631	KRIT1	1.21696361	0.011245976
ENSG00000120322	PCDHB8	1.217013493	0.004664204
ENSG00000180884	ZNF792	1.217100388	8.93E-07
ENSG00000115738	ID2	1.217452006	0.005332322
ENSG00000142102	ATHL1	1.218130432	0.015480157
ENSG00000158079	PTPDC1	1.218192099	1.14E-08
ENSG00000197483	ZNF628	1.218198291	5.43E-07
ENSG00000112773	FAM46A	1.218312522	0.000271713
ENSG00000139410	SDSL	1.218430879	2.58E-07
ENSG00000204516	MICB	1.21857743	0.000902231
ENSG00000164692	COL1A2	1.218937856	0.008357701
ENSG00000109089	CDR2L	1.219214935	0.012363829
ENSG00000131831	RAI2	1.219822629	0.002022731
ENSG00000196950	SLC39A10	1.219977565	1.85E-05
ENSG00000162105	SHANK2	1.220407897	4.94E-07
ENSG00000166869	CHP2	1.220452329	0.002472858
ENSG00000111799	COL12A1	1.220882511	1.28E-09
ENSG00000161048	NAPEPLD	1.221554581	6.97E-10
ENSG00000164308	ERAP2	1.221834789	0.017295047
ENSG00000181722	ZBTB20	1.221989465	3.75E-09
ENSG00000162614	NEXN	1.222197961	0.0030862
ENSG00000137965	IFI44	1.222568968	0.034137723
ENSG00000146410	MTFR2	1.222680039	4.07E-07
ENSG00000074527	NTN4	1.222883744	0.000123353
ENSG00000187699	C2orf88	1.222936099	0.000342967
ENSG00000078081	LAMP3	1.223184969	0.018268468
ENSG00000101115	SALL4	1.223461439	5.30E-06
ENSG00000139354	GAS2L3	1.223721591	5.74E-05
ENSG00000048462	TNFRSF17	1.223861335	0.015157631
ENSG00000111057	KRT18	1.223861712	0.00069282
ENSG00000123130	ACOT9	1.224226445	3.30E-10
ENSG00000157388	CACNA1D	1.224236736	7.16E-09
ENSG00000143375	CGN	1.224716288	9.86E-08
ENSG00000107789	MINPP1	1.224969643	0.001794594
ENSG00000118707	TGIF2	1.225094723	1.54E-07
ENSG00000154511	FAM69A	1.225227876	3.27E-08
ENSG00000103089	FA2H	1.225353638	0.000299838
ENSG00000013588	GPRC5A	1.225391369	0.000693688
ENSG00000188343	FAM92A1	1.225438748	4.47E-06
ENSG00000163430	FSTL1	1.225471029	2.37E-08
ENSG00000248487	ABHD14A	1.225521358	9.80E-10
ENSG00000112852	PCDHB2	1.225686438	0.0085754
ENSG00000147202	DIAPH2	1.22640812	1.65E-10
ENSG00000173482	PTPRM	1.226574146	2.63E-07
ENSG00000136048	DRAM1	1.226795275	0.000135056
ENSG00000152359	POC5	1.22731428	3.57E-13
ENSG00000181392	SYNE4	1.227411791	2.45E-06

ENSG00000173221	GLRX	1.227469213	0.007717551
ENSG00000053747	LAMA3	1.227926542	0.005931912
ENSG00000147381	MAGEA4	1.227964483	0.047309962
ENSG00000153234	NR4A2	1.228118981	0.015980528
ENSG00000137942	FNBP1L	1.228205993	0.00035394
ENSG00000148584	A1CF	1.228271145	0.000205864
ENSG00000185905	C16orf54	1.22839865	0.03518676
ENSG00000102524	TNFSF13B	1.229060492	0.000269623
ENSG00000122862	SRGN	1.230086575	0.00981771
ENSG00000147454	SLC25A37	1.230308873	0.003579751
ENSG00000239382	ALKBH6	1.230530655	1.83E-13
ENSG00000180818	HOXC10	1.231091283	0.037905923
ENSG00000120875	DUSP4	1.231510637	0.031651
ENSG00000162692	VCAM1	1.231588721	0.000206933
ENSG00000110195	FOLR1	1.231594896	0.011340676
ENSG00000161570	CCL5	1.231654042	0.045649348
ENSG00000168502	SOGA2	1.232432748	5.18E-05
ENSG00000165376	CLDN2	1.232562839	0.000820723
ENSG00000123612	ACVR1C	1.232647055	4.57E-05
ENSG00000165140	FBP1	1.232829765	0.000944231
ENSG00000183508	FAM46C	1.232966635	0.001527783
ENSG00000120149	MSX2	1.233553985	4.26E-05
ENSG00000196139	AKR1C3	1.233606611	3.83E-09
ENSG00000072422	RHOBTB1	1.233618061	0.000563275
ENSG00000106397	PLOD3	1.233654387	7.49E-05
ENSG00000163710	PCOLCE2	1.233681937	0.002864876
ENSG00000115170	ACVR1	1.23371103	2.63E-11
ENSG00000187068	C3orf70	1.234117757	8.59E-05
ENSG00000083535	PIBF1	1.234533788	2.06E-06
ENSG00000163735	CXCL5	1.234758778	0.011113042
ENSG00000090889	KIF4A	1.234928237	0.000788975
ENSG00000100985	MMP9	1.23522471	0.000504086
ENSG00000198466	ZNF587	1.235230065	2.35E-07
ENSG00000103742	IGDCC4	1.235436629	0.000142666
ENSG00000167105	TMEM92	1.235501359	5.30E-09
ENSG00000115648	MLPH	1.235728365	0.000457985
ENSG00000173369	C1QB	1.236559194	0.00358773
ENSG00000204604	ZNF468	1.236690079	0.002975581
ENSG00000239887	C1orf226	1.236880353	6.36E-10
ENSG00000140968	IRF8	1.236968309	0.002717425
ENSG00000171428	NAT1	1.237024365	0.00924138
ENSG00000154760	SLFN13	1.237058576	4.57E-05
ENSG00000140937	CDH11	1.237404827	0.003435284
ENSG00000117228	GBP1	1.237595172	0.008794519
ENSG00000260027	HOXB7	1.237728355	1.10E-05
ENSG00000168386	FILIP1L	1.237860057	1.06E-10
ENSG00000197408	CYP2B6	1.237925059	0.00038943

ENSG00000260916	CCPG1	1.238008986	2.17E-10
ENSG00000101104	PABPC1L	1.23807995	1.49E-06
ENSG00000145414	NAF1	1.238085287	1.02E-06
ENSG00000198681	MAGEA1	1.238883957	0.009374697
ENSG00000120756	PLS1	1.238934986	0.003873058
ENSG00000136059	VILL	1.239186889	0.001880633
ENSG00000166341	DCHS1	1.239218961	4.43E-06
ENSG00000168675	LDLRAD4	1.239348387	9.40E-07
ENSG00000111012	CYP27B1	1.239677153	8.36E-07
ENSG00000168062	BATF2	1.240031069	2.65E-07
ENSG00000021826	CPS1	1.240234411	0.040422324
ENSG00000134258	VTCN1	1.240408594	0.003455342
ENSG00000033170	FUT8	1.24065679	0.000455192
ENSG00000119917	IFIT3	1.240956611	0.001324669
ENSG00000063587	ZNF275	1.241077401	2.08E-07
ENSG00000119125	GDA	1.241747587	1.07E-06
ENSG00000105808	RASA4	1.242192203	3.21E-06
ENSG00000182134	TDRKH	1.242263809	7.44E-07
ENSG00000143387	CTSK	1.242753676	1.37E-05
ENSG00000073605	GSDMB	1.242758453	0.002598874
ENSG00000185420	SMYD3	1.2432146	2.39E-12
ENSG00000110777	POU2AF1	1.243217365	0.012847233
ENSG00000187231	SESTD1	1.243314394	8.51E-07
ENSG00000177575	CD163	1.243408262	6.26E-05
ENSG00000106484	MEST	1.243504367	0.000108315
ENSG00000170373	CST1	1.243568191	0.046267322
ENSG00000135744	AGT	1.243819937	0.011397339
ENSG00000139163	ETNK1	1.243838537	0.024429691
ENSG00000139508	SLC46A3	1.244168747	0.003799437
ENSG00000142484	TM4SF5	1.245025353	0.006233816
ENSG00000089351	GRAMD1A	1.245094568	2.22E-11
ENSG00000164484	TMEM200A	1.245346165	0.000929767
ENSG00000137628	DDX60	1.245505919	0.011459818
ENSG00000046604	DSG2	1.245594372	0.002515846
ENSG00000129003	VPS13C	1.246018441	0.007649572
ENSG00000164758	MED30	1.246341828	8.01E-09
ENSG00000179715	PCED1B	1.24653126	1.60E-05
ENSG00000125207	PIWIL1	1.246620199	0.000235637
ENSG00000198788	MUC2	1.247144168	0.001638066
ENSG00000147324	MFHAS1	1.247173853	0.003612086
ENSG00000106868	SUSD1	1.247287687	7.94E-12
ENSG00000146674	IGFBP3	1.247318238	0.00012454
ENSG00000106624	AEBP1	1.248157281	1.47E-07
ENSG00000157827	FMNL2	1.248419642	5.02E-13
ENSG00000173905	GOLIM4	1.248879885	3.73E-09
ENSG00000115271	GCA	1.249109224	0.001887327
ENSG00000038427	VCAN	1.249191295	0.003757992

ENSG00000135914	HTR2B	1.249312465	0.027845164
ENSG00000115718	PROC	1.250268262	9.30E-08
ENSG00000149557	FEZ1	1.250329814	3.66E-06
ENSG00000132846	ZBED3	1.250403915	9.72E-10
ENSG00000124074	ENKD1	1.25047537	9.31E-11
ENSG00000005187	ACSM3	1.250749789	0.000882669
ENSG00000137960	GIPC2	1.250808706	0.003455141
ENSG00000154978	VOPP1	1.25100831	0.000854547
ENSG00000090104	RGS1	1.251138672	0.034912928
ENSG00000106819	ASPN	1.253110783	0.019807314
ENSG00000175928	LRRN1	1.253825823	0.014006988
ENSG00000102265	TIMP1	1.254428363	0.000196396
ENSG00000181104	F2R	1.254648982	0.016848613
ENSG00000171877	FRMD5	1.254739457	2.33E-08
ENSG00000130208	APOC1	1.256557092	0.009221829
ENSG00000172023	REG1B	1.257660942	0.03281041
ENSG00000005073	HOXA11	1.258316577	7.12E-07
ENSG00000112208	BAG2	1.25870129	2.29E-06
ENSG00000144136	SLC20A1	1.25952994	0.000104848
ENSG00000164649	CDCA7L	1.259793138	9.84E-16
ENSG00000116962	NID1	1.260566919	1.36E-05
ENSG00000182986	ZNF320	1.260846014	1.94E-12
ENSG00000126603	GLIS2	1.261332909	8.07E-09
ENSG00000143228	NUF2	1.262622377	5.55E-06
ENSG00000100097	LGALS1	1.263588671	1.57E-09
ENSG00000162695	SLC30A7	1.26643241	1.71E-14
ENSG00000180525	PRR26	1.266834515	5.57E-11
ENSG00000187715	KBTD12	1.267895629	0.000735078
ENSG00000204442	FAM155A	1.268519875	0.001039663
ENSG00000229689	AC009237.8	1.269098322	2.09E-09
ENSG00000166741	NNMT	1.269484632	0.003092201
ENSG00000111700	SLCO1B3	1.270006867	0.003846315
ENSG00000137198	GMPR	1.270220574	2.69E-05
ENSG00000179388	EGR3	1.270407307	0.000395941
ENSG00000157870	FAM213B	1.270587585	3.16E-12
ENSG00000197888	UGT2B17	1.27136291	0.042713436
ENSG00000125848	FLRT3	1.271870639	0.041150409
ENSG00000163297	ANTXR2	1.272150358	8.88E-07
ENSG00000123500	COL10A1	1.272167505	0.000282734
ENSG00000007038	PRSS21	1.272432337	4.73E-05
ENSG00000166147	FBN1	1.273033747	1.09E-06
ENSG00000172458	IL17D	1.27316409	6.06E-08
ENSG00000254087	LYN	1.273585034	0.001305962
ENSG00000196136	SERPINA3	1.273913903	0.010638369
ENSG00000112742	TTK	1.274765601	0.004164503
ENSG00000059378	PARP12	1.275374707	0.000497674
ENSG00000085276	MECOM	1.275741663	0.001231877

ENSG00000160181	TFF2	1.276315731	0.017841861
ENSG00000167183	PRR15L	1.276420815	0.000470719
ENSG00000134240	HMGCS2	1.27683939	0.001096252
ENSG00000113212	PCDHB7	1.276849839	0.000422113
ENSG00000126709	IFI6	1.276945967	0.007445835
ENSG00000136160	EDNRB	1.277034543	3.80E-07
ENSG00000159445	THEM4	1.27754214	1.01E-12
ENSG00000185864	NPIP4	1.277574574	3.59E-05
ENSG00000008517	IL32	1.278182997	0.000155971
ENSG00000139329	LUM	1.278277646	0.00466463
ENSG00000109099	PMP22	1.278528132	3.18E-07
ENSG00000130303	BST2	1.279831343	0.000472217
ENSG00000151882	CCL28	1.280335021	1.17E-05
ENSG00000054219	LY75	1.280342859	0.007656409
ENSG00000125398	SOX9	1.28040445	0.000884148
ENSG00000163737	PF4	1.281203086	0.001307339
ENSG00000172244	C5orf34	1.281741256	4.05E-05
ENSG00000075420	FNDC3B	1.281784377	0.000926375
ENSG00000166415	WDR72	1.282859056	3.26E-06
ENSG00000188488	SERPINA5	1.283057127	0.0030574
ENSG00000162772	ATF3	1.283792699	0.015361036
ENSG00000163739	CXCL1	1.284271159	0.003363695
ENSG00000145569	FAM105A	1.284757507	1.03E-05
ENSG00000109084	TMEM97	1.285665392	0.000377182
ENSG00000143476	DTL	1.285946382	0.003878009
ENSG00000196371	FUT4	1.287008628	0.002761494
ENSG00000132031	MATN3	1.288228702	1.15E-05
ENSG00000138449	SLC40A1	1.288262239	9.36E-11
ENSG00000164694	FNDC1	1.28826532	0.000438118
ENSG00000177685	EFCAB4A	1.288411128	7.88E-07
ENSG00000204257	HLA-DMA	1.288953199	0.000213956
ENSG00000137726	FXD6	1.288961502	0.000234304
ENSG00000163001	CCDC104	1.289504832	5.92E-14
ENSG00000115616	SLC9A2	1.28965153	5.09E-05
ENSG00000078399	HOXA9	1.289808495	0.002897992
ENSG00000068079	IFI35	1.29030096	0.000196665
ENSG00000165659	DACH1	1.290370207	0.000725006
ENSG00000196620	UGT2B15	1.29056401	0.002670173
ENSG00000009765	IYD	1.291364511	5.83E-06
ENSG00000196091	MYBPC1	1.292045883	0.007819174
ENSG00000069764	PLA2G10	1.292340612	0.002297321
ENSG00000101350	KIF3B	1.292837967	3.58E-05
ENSG00000081923	ATP8B1	1.292908431	0.00064712
ENSG00000139629	GALNT6	1.293467873	0.000167804
ENSG00000143891	GALM	1.293546583	6.49E-11
ENSG00000240065	PSMB9	1.294605979	0.00030339
ENSG00000151612	ZNF827	1.296531598	8.74E-11

ENSG00000165807	PPP1R36	1.296920317	2.62E-07
ENSG00000174938	SEZ6L2	1.297102934	0.000523428
ENSG00000151491	EPS8	1.29729272	0.002966293
ENSG00000137273	FOXF2	1.298426895	2.37E-06
ENSG00000021488	SLC7A9	1.298771444	0.000453467
ENSG00000120324	PCDHB10	1.298974316	9.51E-05
ENSG00000138646	HERC5	1.299477758	0.000441897
ENSG00000103485	QPRT	1.299677088	5.68E-05
ENSG00000072657	TRHDE	1.300473953	0.001049527
ENSG00000130429	ARPC1B	1.300560711	4.82E-06
ENSG00000116771	AGMAT	1.300696468	1.05E-09
ENSG00000183960	KCNH8	1.30237207	3.85E-05
ENSG00000178301	AQP11	1.304190893	3.00E-08
ENSG00000162702	ZNF281	1.304208522	2.37E-14
ENSG00000080031	PTPRH	1.304571361	3.74E-05
ENSG00000179750	APOBEC3B	1.304622094	0.001349795
ENSG00000129038	LOXL1	1.305675976	3.55E-09
ENSG00000134326	CMPK2	1.306111481	7.25E-06
ENSG00000047457	CP	1.306739277	0.001685506
ENSG00000119547	ONECUT2	1.306886293	8.78E-06
ENSG00000204262	COL5A2	1.30716659	0.002576665
ENSG00000103241	FOXF1	1.307726061	3.23E-06
ENSG00000164125	FAM198B	1.307948547	8.22E-09
ENSG00000166173	LARP6	1.308213179	3.74E-06
ENSG00000241186	TDGF1	1.308922308	0.001261928
ENSG00000253293	HOXA10	1.309264302	0.00437809
ENSG00000105852	PON3	1.309651989	1.38E-06
ENSG00000133321	RARRES3	1.309932727	0.000458217
ENSG00000187608	ISG15	1.31051311	0.00035976
ENSG00000182957	SPATA13	1.31063591	3.14E-11
ENSG00000102854	MSLN	1.310679837	0.013742581
ENSG00000164949	GEM	1.311101019	3.11E-07
ENSG00000016082	ISL1	1.311490137	0.003320943
ENSG00000174567	GOLT1A	1.312285684	1.66E-08
ENSG00000129824	RPS4Y1	1.313528785	0.003141633
ENSG00000106565	TMEM176B	1.313908982	0.000449983
ENSG00000181350	FAM211A	1.314613121	1.73E-07
ENSG00000133962	CATSPERB	1.314675012	0.000110689
ENSG00000108960	MMD	1.315138975	5.55E-14
ENSG00000111490	TBC1D30	1.316822435	1.25E-08
ENSG00000122691	TWIST1	1.31787706	3.11E-07
ENSG00000170421	KRT8	1.318145575	2.64E-06
ENSG00000196963	PCDHB16	1.318509268	0.000196659
ENSG00000185551	NR2F2	1.318645543	6.67E-09
ENSG00000176907	C8orf4	1.318876755	0.014447066
ENSG00000147010	SH3KBP1	1.319021347	7.39E-12
ENSG00000067715	SYT1	1.319236972	0.00108889

ENSG00000180806	HOXC9	1.319826563	3.42E-06
ENSG00000181381	DDX60L	1.319958107	9.17E-08
ENSG00000137673	MMP7	1.320852007	0.008849023
ENSG00000150556	LYPD6B	1.321535896	5.85E-06
ENSG00000176387	HSD11B2	1.321577098	5.99E-05
ENSG00000076641	PAG1	1.321593364	4.89E-11
ENSG00000163817	SLC6A20	1.321957282	9.68E-05
ENSG00000156234	CXCL13	1.322266079	0.018340034
ENSG00000243449	C4orf48	1.322513402	2.67E-07
ENSG00000196502	SULT1A1	1.322952392	0.000319468
ENSG00000135747	ZNF670	1.324568184	1.84E-10
ENSG00000165862	PNLIPRP2	1.324839864	0.018824859
ENSG00000023445	BIRC3	1.325369001	0.007210663
ENSG00000129682	FGF13	1.325734344	0.000726857
ENSG00000122877	EGR2	1.325978768	0.014832331
ENSG00000112303	VNN2	1.327012285	0.004872952
ENSG00000163879	DNALI1	1.327155812	1.02E-06
ENSG00000183091	NEB	1.327454115	0.000200827
ENSG00000213160	KLHL23	1.328023911	7.71E-12
ENSG00000243709	LEFTY1	1.328204532	0.00268052
ENSG00000119042	SATB2	1.32874791	9.12E-07
ENSG00000153551	CMTM7	1.329307051	1.03E-11
ENSG00000136158	SPRY2	1.329870357	6.89E-08
ENSG00000233041	PHGR1	1.330981737	0.002339203
ENSG00000162639	HENMT1	1.331152896	2.29E-12
ENSG00000106538	RARRES2	1.332150436	4.56E-09
ENSG00000178826	TMEM139	1.3335761	2.72E-08
ENSG00000160862	AZGP1	1.333705593	6.76E-06
ENSG00000143341	HMCN1	1.33372749	0.000309472
ENSG00000187479	C11orf96	1.334129662	2.54E-14
ENSG00000120327	PCDHB14	1.33494751	1.08E-05
ENSG00000178882	FAM101A	1.335243233	1.24E-05
ENSG00000204616	TRIM31	1.337674938	0.007417474
ENSG00000170345	FOS	1.337853687	1.77E-05
ENSG00000087245	MMP2	1.338515184	9.47E-09
ENSG00000140297	GCNT3	1.339177909	0.001844349
ENSG00000112796	ENPP5	1.33953224	0.00053817
ENSG00000116574	RHOU	1.33964273	2.49E-10
ENSG00000132329	RAMP1	1.340828817	1.06E-07
ENSG00000146376	ARHGAP18	1.341445254	1.71E-13
ENSG00000081041	CXCL2	1.34170387	0.001687456
ENSG00000134028	ADAMDEC1	1.341864733	9.52E-05
ENSG00000092758	COL9A3	1.343131952	1.48E-05
ENSG00000115290	GRB14	1.343595658	4.37E-05
ENSG00000117472	TSPAN1	1.344190582	0.00076241
ENSG00000178828	RNF186	1.344996721	8.47E-08
ENSG00000125384	PTGER2	1.345241277	4.63E-05

ENSG00000155893	ACPL2	1.345466367	2.10E-12
ENSG00000152078	TMEM56	1.345556588	1.82E-07
ENSG00000086696	HSD17B2	1.345637596	0.013930698
ENSG00000198542	ITGBL1	1.34625627	6.92E-05
ENSG00000103187	COTL1	1.346614726	0.000161439
ENSG00000186314	PRELID2	1.3472137	2.99E-14
ENSG00000111701	APOBEC1	1.347585658	4.26E-05
ENSG00000186603	HPDL	1.348974919	1.21E-09
ENSG00000149150	SLC43A1	1.349567878	9.48E-07
ENSG00000164294	GPX8	1.349707998	3.40E-07
ENSG00000115414	FN1	1.349773448	9.12E-08
ENSG00000135048	TMEM2	1.350887722	6.42E-06
ENSG00000172264	MACROD2	1.351044911	0.000201589
ENSG00000159556	ISL2	1.351476717	5.17E-08
ENSG00000176595	KBTBD11	1.351546215	2.52E-05
ENSG00000103021	CCDC113	1.352077094	3.39E-05
ENSG00000172716	SLFN11	1.352421963	5.49E-08
ENSG00000123838	C4BPA	1.352432351	0.000370275
ENSG00000163577	EIF5A2	1.35364986	8.85E-06
ENSG00000258818	RNASE4	1.353865213	1.78E-08
ENSG00000177459	C8orf47	1.354128851	9.79E-05
ENSG00000088992	TESC	1.354622279	0.000479251
ENSG00000159212	CLIC6	1.354866482	1.10E-05
ENSG00000140416	TPM1	1.356617959	1.40E-09
ENSG00000149968	MMP3	1.356828428	0.035468636
ENSG00000162769	FLVCR1	1.357005346	2.54E-12
ENSG00000146166	LGSN	1.35705805	0.002298776
ENSG00000133135	RNF128	1.357813537	0.000596812
ENSG00000127831	VIL1	1.358163065	0.006009757
ENSG00000160188	RSPH1	1.358355122	5.01E-10
ENSG00000043355	ZIC2	1.358461543	0.003863428
ENSG00000124233	SEMG1	1.359875879	0.003371031
ENSG00000186854	TRABD2A	1.360660537	3.23E-07
ENSG00000165215	CLDN3	1.361053673	0.0255254
ENSG00000113924	HGD	1.362448711	7.02E-09
ENSG00000179674	ARL14	1.364537219	0.006078635
ENSG00000111885	MAN1A1	1.36582484	7.83E-12
ENSG00000145703	IQGAP2	1.365949166	0.002279117
ENSG00000184434	LRRC19	1.366486974	0.002918318
ENSG00000114346	ECT2	1.367296184	0.001396667
ENSG00000211899	IGHM	1.367338913	0.00508573
ENSG00000213949	ITGA1	1.36749758	5.53E-08
ENSG00000164749	HNF4G	1.36840844	2.67E-09
ENSG00000182747	SLC35D3	1.368542906	0.004653272
ENSG00000166143	PPP1R14D	1.368807925	4.78E-07
ENSG00000253958	CLDN23	1.369904341	1.07E-07
ENSG00000073792	IGF2BP2	1.370482851	1.14E-05

ENSG00000091136	LAMB1	1.370846438	3.13E-11
ENSG00000151623	NR3C2	1.371210535	6.16E-06
ENSG00000180340	FZD2	1.371374571	1.50E-06
ENSG00000106483	SFRP4	1.372329573	0.000327274
ENSG00000049449	RCN1	1.372532608	1.56E-05
ENSG00000256061	DYX1C1	1.372723784	2.80E-06
ENSG00000096088	PGC	1.373354823	0.039319945
ENSG00000019505	SYT13	1.374228926	6.10E-07
ENSG00000151135	C12orf23	1.374467702	9.04E-14
ENSG00000175130	MARCKSL1	1.376538825	4.49E-06
ENSG00000118523	CTGF	1.376961507	2.15E-08
ENSG00000168734	PKIG	1.377352762	1.02E-10
ENSG00000075223	SEMA3C	1.377414738	2.38E-06
ENSG00000162078	ZG16B	1.378688514	1.19E-05
ENSG00000188959	C9orf152	1.380079839	3.83E-08
ENSG00000197635	DPP4	1.381011541	1.37E-06
ENSG00000170293	CMTM8	1.38125723	3.56E-12
ENSG00000100079	LGALS2	1.382488131	0.040505179
ENSG00000221944	TIGD1	1.383904472	4.36E-08
ENSG00000133110	POSTN	1.383934265	0.003339943
ENSG00000133106	EPST11	1.384215869	2.26E-08
ENSG00000101842	VSIG1	1.38474417	0.001494802
ENSG00000144810	COL8A1	1.385969537	1.68E-05
ENSG00000122711	SPINK4	1.386040904	0.000300459
ENSG00000157214	STEAP2	1.389625667	1.50E-09
ENSG00000132465	IGJ	1.390544243	0.02165097
ENSG00000171714	ANO5	1.391763921	7.26E-06
ENSG00000137959	IFI44L	1.392949159	0.000725967
ENSG00000187908	DMBT1	1.393280774	0.014338493
ENSG00000175538	KCNE3	1.393916353	3.36E-08
ENSG00000178878	APOLD1	1.394219919	7.81E-13
ENSG00000120306	CYSTM1	1.394471611	1.96E-10
ENSG00000198944	SOWAHA	1.394620751	1.37E-07
ENSG00000106560	GIMAP2	1.394873454	2.44E-08
ENSG00000139292	LGR5	1.396120245	0.000221187
ENSG00000164542	KIAA0895	1.396303013	5.99E-07
ENSG00000165617	DACT1	1.397225223	1.65E-08
ENSG00000091490	SEL1L3	1.397780261	2.24E-05
ENSG00000139737	SLAIN1	1.401453409	1.69E-05
ENSG00000146038	DCDC2	1.401472578	3.38E-07
ENSG00000198189	HSD17B11	1.40358092	0.000138482
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ENSG00000118785	SPP1	1.409937744	0.000425024
ENSG00000107249	GLIS3	1.410497517	1.32E-08
ENSG00000090382	LYZ	1.410781302	0.001083768
ENSG00000125999	BPIFB1	1.412372579	0.000763536
ENSG00000150893	FREM2	1.415944354	0.000503134

ENSG00000169435	RASSF6	1.417737285	1.27E-09
ENSG00000104635	SLC39A14	1.419490681	6.33E-05
ENSG00000198832	SELM	1.420459363	2.70E-08
ENSG00000188993	LRRC66	1.423335876	6.98E-06
ENSG00000143167	GPA33	1.425283038	0.000103547
ENSG00000104783	KCNN4	1.425284176	1.42E-06
ENSG00000164292	RHOBTB3	1.42986232	1.92E-08
ENSG00000140682	TGFB111	1.432120438	9.06E-09
ENSG00000169903	TM4SF4	1.432765867	0.000394942
ENSG00000137501	SYTL2	1.433827457	8.21E-10
ENSG00000163586	FABP1	1.434975567	0.030769399
ENSG00000151025	GPR158	1.435119045	2.26E-06
ENSG00000124253	PCK1	1.438706177	0.002514533
ENSG00000091138	SLC26A3	1.440149833	0.008155473
ENSG00000168955	TM4SF20	1.441202838	0.014566098
ENSG00000168679	SLC16A4	1.441868013	1.56E-05
ENSG00000115386	REG1A	1.441973705	0.000349759
ENSG00000007062	PROM1	1.443101903	0.012343007
ENSG00000138294	MSMB	1.444790036	0.004139819
ENSG00000196335	STK31	1.446344865	1.05E-10
ENSG00000188175	HEPACAM2	1.4480741	0.000992611
ENSG00000081803	CADPS2	1.448313096	2.29E-15
ENSG00000171431	KRT20	1.449373365	0.047511996
ENSG00000165434	PGM2L1	1.452661436	1.07E-10
ENSG00000166825	ANPEP	1.452875008	0.030646717
ENSG00000104537	ANXA13	1.452890353	1.19E-05
ENSG00000172031	EPHX4	1.454161919	7.23E-05
ENSG00000175556	LONRF3	1.455080221	3.17E-12
ENSG00000112379	KIAA1244	1.456848009	6.16E-13
ENSG00000134193	REG4	1.457595205	8.60E-06
ENSG00000160183	TMPRSS3	1.461153515	0.000378933
ENSG00000166923	GREM1	1.468013193	0.000810681
ENSG00000079112	CDH17	1.479255899	0.004384715
ENSG00000173890	GPR160	1.48082616	1.63E-09
ENSG00000170647	TMEM133	1.483364467	1.75E-13
ENSG00000174827	PDZK1	1.483373738	0.00020915
ENSG00000157315	TMED6	1.483470023	8.94E-06
ENSG00000001561	ENPP4	1.486296943	3.44E-13
ENSG00000070019	GUCY2C	1.487512875	0.0002377
ENSG00000235162	C12orf75	1.487548023	2.42E-19
ENSG00000164920	OSR2	1.487615373	2.28E-11
ENSG00000066405	CLDN18	1.490966083	0.004589062
ENSG00000183840	GPR39	1.492520461	2.18E-13
ENSG00000163072	NOSTRIN	1.494365223	7.22E-10
ENSG00000106031	HOXA13	1.494668902	9.67E-06
ENSG00000162896	PIGR	1.496975564	9.37E-09
ENSG00000153714	LURAP1L	1.499594432	1.39E-14

ENSG00000166582	CENPV	1.504475276	2.21E-12
ENSG00000170439	METTL7B	1.504865849	1.02E-10
ENSG00000115009	CCL20	1.505993862	0.003668454
ENSG00000198535	C2CD4A	1.507274107	3.81E-07
ENSG00000101333	PLCB4	1.508120063	2.25E-08
ENSG00000178401	DNAJC22	1.508260249	1.52E-11
ENSG00000124602	UNC5CL	1.509220017	3.20E-09
ENSG00000179914	ITLN1	1.511817192	0.000572706
ENSG00000095932	C19orf77	1.512319287	8.58E-08
ENSG00000134627	PIWIL4	1.517457533	1.12E-13
ENSG00000196188	CTSE	1.517545112	8.56E-05
ENSG00000203697	CAPN8	1.518985973	1.89E-06
ENSG00000164283	ESM1	1.525153199	7.52E-07
ENSG00000112299	VNN1	1.529372118	0.019615593
ENSG00000131771	PPP1R1B	1.530704991	2.12E-05
ENSG00000163734	CXCL3	1.536846229	0.003876808
ENSG00000127990	SGCE	1.538297998	8.57E-09
ENSG00000144820	GPR128	1.538412882	5.98E-05
ENSG00000124249	KCNK15	1.540922546	1.25E-05
ENSG00000100473	COCH	1.541114217	1.69E-07
ENSG00000109511	ANXA10	1.543586616	0.004057694
ENSG00000164237	CMBL	1.544405445	1.27E-16
ENSG00000166922	SCG5	1.545362695	8.92E-07
ENSG00000087916	SLC6A14	1.546000144	0.005208719
ENSG00000114248	LRRC31	1.547420413	1.94E-07
ENSG00000162878	PKDCC	1.548244818	1.16E-14
ENSG00000002726	AOC1	1.566633344	0.001285873
ENSG00000103460	TOX3	1.568218178	0.001960232
ENSG00000204385	SLC44A4	1.572019788	5.12E-05
ENSG00000152128	TMEM163	1.575399315	7.18E-10
ENSG00000213401	MAGEA12	1.577531378	0.001173873
ENSG00000111341	MGP	1.578045629	3.58E-08
ENSG00000087303	NID2	1.581959006	3.88E-10
ENSG00000160180	TFF3	1.583737023	1.95E-08
ENSG00000122641	INHBA	1.585667999	5.96E-10
ENSG00000124225	PMEPA1	1.586002198	5.38E-11
ENSG00000135052	GOLM1	1.593707194	5.02E-05
ENSG00000112818	MEP1A	1.606814263	0.000230657
ENSG00000176532	PRR15	1.613018077	8.12E-16
ENSG00000197249	SERPINA1	1.619796257	0.000740395
ENSG00000180730	SHISA2	1.634245738	5.02E-05
ENSG00000170608	FOXA3	1.635758163	1.62E-10
ENSG00000136052	SLC41A2	1.649763006	3.03E-12
ENSG00000119888	EPCAM	1.663107456	3.05E-06
ENSG00000141448	GATA6	1.664627345	0.000210284
ENSG00000198203	SULT1C2	1.664996657	5.24E-06
ENSG00000106541	AGR2	1.666835876	9.46E-05

ENSG00000160182	TFF1	1.672918084	0.000106474
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ENSG00000204019	CT83	1.776247147	4.96E-05
ENSG00000171747	LGALS4	1.822002262	1.25E-06
ENSG00000103534	TMC5	1.860342136	0.000107488
ENSG00000164266	SPINK1	1.861006549	0.000717333
ENSG00000196611	MMP1	1.86176897	0.001563124
ENSG00000099256	PRTFDC1	1.872815034	6.17E-17
ENSG00000127324	TSPAN8	1.925507161	0.00011473
ENSG00000131941	RHPN2	2.034798271	1.12E-15
ENSG00000164932	CTHRC1	2.060930722	5.91E-16
ENSG00000173467	AGR3	2.139381528	7.66E-12
ENSG00000102837	OLFM4	2.14332129	0.001160082
ENSG00000180745	CLRN3	2.375464641	6.52E-12
