

Supplementary table 1. Primers of Real-time PCR

Gene	Forward primer	Reverse primer
GTF3A	5'-AAGGCTGTGGAAGAACCTATAC-3'	5'-CAGGATCATGTACAACAGCATG-3'
CSTA	5'-GAAAATTGGAAGCTGTGCAGTA-3'	5'-ATTTTGTCCGGGAAGACTTTTG-3'
CST1	5'-AGGAGGAGGATAGGATAATCCC-3'	5'-TCTTTGGTGGCCTTGTTATACT-3'
CST4	5'-ATAATCCCAGGTGGCATCTATG-3'	5'-CTGTAGTACTCATCTTCGGTGG-3'

CSTA: cystatin A; CST1: cystatin SN; CST4: cystatin S; GTF3A: Transcriptional factor III A

Supplementary table 2. The sequences of short hairpin of transcriptional factor III A

Name	Sequence
shscramble	5'-TTCTCCGAACGTGTCACGT-3'
shGTF3A#1	5'-GCCTCTCATCTCAGTGGATAT-3'
shGTF3A#4	5'-CGCAAAGATTACCTTAAGCAA-3'

GTF3A: Transcriptional factor III A; shGTF3A: short hairpin of Transcriptional factor III A

Supplementary table 3. The sequences of short hairpin of cystatin A

Name	Sequence
shscramble	5'-TTCTCCGAACGTGTCACGT-3'
shCSTA#1	5'-ACGAGCAGGTGATAATAAATA-3'
shCSTA#2	5'-AGGTACGAGCAGGTGATAATA-3'

shscramble: short hairpin of scramble; shCSTA: short hairpin of cystatin A

Supplementary table 4 RNA-Sequence Data of transcriptional factor III A knockdown and scramble

RNA-Sequence Data of Gtf3a-knockdown and scramble comparison

geneid	baseMean	log2FoldChange	lfcSE	stat	pvalue	padj	gene_name	gene_type
ENSG00000145920	2270.038098	-2.81013597	0.05650748	-49.7303358	0	0	CPLX2	protein_coding
ENSG00000122034	6630.871846	-2.74101873	0.038480807	-71.2308021	0	0	GTF3A	protein_coding
ENSG00000124491	754.3341613	-2.60760811	0.091790134	-28.4083702	1.59E-177	1.84E-174	F13A1	protein_coding
ENSG00000110887	13.77369548	-2.6061169	0.707107492	-3.68560216	0.000228163	0.001140292	DAO	protein_coding
ENSG00000121552	9.455307048	-2.59717189	0.780819892	-3.32621122	0.000880352	0.003848355	CSTA	protein_coding
ENSG00000196090	5.891281137	-2.59501823	0.970047505	-2.67514552	0.007469682	0.025419199	PTPRT	protein_coding
ENSG00000176771	9.544882078	-2.592597	0.783618136	-3.3084954	0.000937987	0.004071054	NCKAP5	protein_coding
ENSG00000009694	18.84566987	-2.57252513	0.540926648	-4.75577445	1.98E-06	1.47E-05	TENM1	protein_coding
ENSG00000204677	6.716737284	-2.45080601	0.884558497	-2.77065453	0.005594375	0.019787628	FAM153C	protein_coding
ENSG00000096996	6.389546061	-2.40655551	0.919704944	-2.61666041	0.008879463	0.029542017	IL12RB1	protein_coding
ENSG00000118113	10.747486	-2.39057009	0.744541996	-3.21079281	0.001323693	0.005547255	MMP8	protein_coding
ENSG00000163982	33.39470477	-2.30747384	0.430726016	-5.35717313	8.45E-08	7.78E-07	OTOP1	protein_coding
ENSG00000103316	16.2842517	-2.30675874	0.570391168	-4.04416981	5.25E-05	0.00030008	CRYM	protein_coding
ENSG00000169933	10.29385442	-2.29691725	0.716155265	-3.20728948	0.001339921	0.005609894	FRMPD4	protein_coding
ENSG00000189280	7.972857712	-2.27317405	0.788714839	-2.88212411	0.003950041	0.014612168	GJB5	protein_coding
ENSG00000102924	10.53851488	-2.26041709	0.697617837	-3.24019393	0.001194484	0.005056073	CBLN1	protein_coding

ENSG00000102760	3171.203675	-2.25884306	0.045890902	-49.2220231	0	0	RGCC	protein_coding
ENSG00000170577	16.60918142	-2.25015738	0.544252419	-4.13440032	3.56E-05	0.000211665	SIX2	protein_coding
ENSG00000120279	24.75787196	-2.22721493	0.465854419	-4.78092477	1.74E-06	1.31E-05	MYCT1	protein_coding
ENSG00000198797	6.539889202	-2.21600334	0.874896244	-2.53287558	0.01131311	0.036421763	BRINP2	protein_coding
ENSG00000176928	14.14241795	-2.20947275	0.592849282	-3.72687091	0.000193872	0.000983046	GCNT4	protein_coding
ENSG00000101074	35.00726318	-2.19224449	0.376058237	-5.82953454	5.56E-09	5.95E-08	R3HDM1	protein_coding
ENSG00000163762	39.32191582	-2.18520964	0.355004429	-6.15544334	7.49E-10	8.88E-09	TM4SF18	protein_coding
ENSG00000242866	10.14053687	-2.16640761	0.70039897	-3.09310507	0.00198074	0.007936365	STRC	protein_coding
ENSG00000156414	6.571271328	-2.15329804	0.880549066	-2.44540381	0.014469004	0.045033181	TDRD9	protein_coding
ENSG00000183908	70.84539048	-2.02718581	0.272394515	-7.44209484	9.91E-14	1.77E-12	LRRC55	protein_coding
ENSG00000275722	9.495554226	-2.0044638	0.722496331	-2.77435844	0.00553107	0.019591744	LYZL6	protein_coding
ENSG00000066032	11.70499255	-1.99878045	0.655863954	-3.04755344	0.002307125	0.009109152	CTNNA2	protein_coding
ENSG00000162989	9.127867774	-1.95119221	0.723151037	-2.69818076	0.006971957	0.02394117	KCNJ3	protein_coding
ENSG00000101441	761.0205831	-1.94147123	0.082698345	-23.4765426	7.08E-122	3.61E-119	CST4	protein_coding
ENSG00000181577	164.8104012	-1.92898888	0.180193145	-10.705118	9.63E-27	3.87E-25	C6orf223	protein_coding
ENSG00000176136	103.7669365	-1.91686363	0.231549126	-8.27843172	1.25E-16	2.74E-15	MC5R	protein_coding
ENSG00000172123	8.718755449	-1.91064917	0.768668898	-2.48565952	0.012931162	0.040856353	SLFN12	protein_coding
ENSG00000179776	40.91158836	-1.90011433	0.336894626	-5.64008502	1.70E-08	1.71E-07	CDH5	protein_coding
ENSG00000185686	10.57792849	-1.87946728	0.692620935	-2.7135583	0.006656486	0.023005124	PRAME	protein_coding
ENSG00000123243	32.05082585	-1.87937469	0.430923965	-4.36126751	1.29E-05	8.40E-05	ITIH5	protein_coding
ENSG00000181781	13.2540422	-1.87550068	0.612508041	-3.06200173	0.002198622	0.008718467	ODF3L2	protein_coding
ENSG00000136286	64.10458619	-1.86371325	0.29018628	-6.42247198	1.34E-10	1.73E-09	MYO1G	protein_coding
ENSG00000080293	22.31640769	-1.79761051	0.473380385	-3.79739121	0.000146227	0.000763552	SCTR	protein_coding
ENSG00000205922	37.33692324	-1.7742785	0.36394285	-4.87515691	1.09E-06	8.43E-06	ONECUT3	protein_coding
ENSG00000205212	11.04879529	-1.75748891	0.689811844	-2.54778014	0.010841077	0.03507219	CCDC144NL	protein_coding
ENSG00000021826	9.384556133	-1.75040673	0.715003252	-2.44811017	0.014360774	0.044721745	CPS1	protein_coding
ENSG00000117009	366.3908139	-1.72202544	0.114833541	-14.9958402	7.82E-51	8.48E-49	KMO	protein_coding
ENSG00000171227	780.6027003	-1.71782831	0.082767776	-20.7547961	1.11E-95	3.74E-93	TMEM37	protein_coding
ENSG00000142224	16.30226254	-1.71333301	0.537348045	-3.18849771	0.001430141	0.005944449	IL19	protein_coding
ENSG00000163295	14.57479316	-1.69743937	0.589709925	-2.87843107	0.003996586	0.014753155	ALPI	protein_coding
ENSG00000140479	2682.290105	-1.68725291	0.047103989	-35.8197456	5.44E-281	1.49E-277	PCSK6	protein_coding
ENSG00000054277	426.3788658	-1.68179735	0.104842214	-16.0412231	6.58E-58	9.13E-56	OPN3	protein_coding
ENSG00000178623	364.9157586	-1.67332756	0.121047775	-13.8236954	1.83E-43	1.49E-41	GPR35	protein_coding
ENSG00000169035	23.87530861	-1.65745322	0.451278123	-3.67279762	0.000239909	0.001193825	KLK7	protein_coding
ENSG00000137225	15.14455297	-1.64489165	0.571564129	-2.87787768	0.004003603	0.014776568	CAPN11	protein_coding
ENSG00000183023	50.63742049	-1.64430113	0.295660054	-5.56145854	2.68E-08	2.64E-07	SLC8A1	protein_coding
ENSG00000117594	79.98391632	-1.64400904	0.237504812	-6.92200309	4.45E-12	6.83E-11	HSD11B1	protein_coding
ENSG00000163792	13.40000388	-1.63428361	0.603965808	-2.70592074	0.00681153	0.023471223	TCF23	protein_coding
ENSG00000137440	32.45072964	-1.62275641	0.383087904	-4.23598968	2.28E-05	0.000141362	FGFBP1	protein_coding
ENSG00000177464	13.01744416	-1.62060522	0.587039947	-2.76063874	0.005768845	0.020306372	GPR4	protein_coding
ENSG00000142619	99.16792324	-1.60097867	0.217858492	-7.34870902	2.00E-13	3.51E-12	PADI3	protein_coding
ENSG00000139117	21.21464943	-1.59992042	0.45246018	-3.53604689	0.000406163	0.001926173	CPNE8	protein_coding
ENSG00000089169	16.96976745	-1.59746491	0.516720654	-3.09154452	0.001991181	0.007973825	RPH3A	protein_coding
ENSG00000089558	26.7476656	-1.58173972	0.436361226	-3.62484021	0.00028914	0.001416599	KCNH4	protein_coding

ENSG00000183019	20.72416594	-1.55477415	0.474796081	-3.27461455	0.001058062	0.004534701	MCERP1	protein_coding
ENSG00000186642	251.8446688	-1.5471831	0.135607623	-11.4092634	3.76E-30	1.78E-28	PDE2A	protein_coding
ENSG00000154764	172.5209299	-1.54609712	0.168987082	-9.14920305	5.74E-20	1.58E-18	WNT7A	protein_coding
ENSG00000005102	26.1602504	-1.54285217	0.420505546	-3.66904119	0.000243462	0.001210127	MEOX1	protein_coding
ENSG00000183287	56.39481431	-1.52292512	0.283053586	-5.38034206	7.43E-08	6.90E-07	CCBE1	protein_coding
ENSG00000157168	42.9209474	-1.52068129	0.334071641	-4.55196164	5.31E-06	3.71E-05	NRG1	protein_coding
ENSG00000176490	134.0882515	-1.52065217	0.201606065	-7.54269058	4.60E-14	8.45E-13	DIRAS1	protein_coding
ENSG00000120051	16.35561954	-1.51672501	0.519418644	-2.92004345	0.003499826	0.013154373	CFAP58	protein_coding
ENSG00000185739	19.82627193	-1.51517449	0.500537516	-3.02709476	0.002469165	0.009679146	SRL	protein_coding
ENSG00000167759	46.31038925	-1.48760801	0.319176619	-4.66076749	3.15E-06	2.27E-05	KLK13	protein_coding
ENSG00000169252	38.10131018	-1.46132934	0.339198378	-4.30818492	1.65E-05	0.000105149	ADRB2	protein_coding
ENSG00000176533	107.3571343	-1.4508051	0.208362269	-6.96289741	3.33E-12	5.18E-11	GNG7	protein_coding
ENSG00000181634	301.045712	-1.45022348	0.125440364	-11.5610593	6.49E-31	3.18E-29	TNFSF15	protein_coding
ENSG00000183813	19.03542302	-1.44903689	0.534723049	-2.70988299	0.006730695	0.023232882	CCR4	protein_coding
ENSG00000169241	669.6574055	-1.44782819	0.08810167	-16.4336066	1.10E-60	1.64E-58	SLC50A1	protein_coding
ENSG00000069812	239.4156315	-1.44751069	0.139299713	-10.3913401	2.72E-25	1.02E-23	HES2	protein_coding
ENSG00000188162	21.07438993	-1.43388254	0.466726673	-3.0722104	0.002124799	0.008457882	OTOG	protein_coding
ENSG00000164283	439.5934998	-1.42968979	0.102910406	-13.8925678	7.03E-44	5.85E-42	ESM1	protein_coding
ENSG00000197614	20.3352383	-1.42685689	0.484413803	-2.9455331	0.003223987	0.012218239	MFAP5	protein_coding
ENSG00000124107	280.9676867	-1.42666013	0.14234684	-10.0224222	1.21E-23	4.22E-22	SLPI	protein_coding
ENSG00000184502	26.91369122	-1.42055982	0.401855835	-3.53499862	0.000407777	0.001932575	GAST	protein_coding
ENSG00000101017	73.81369308	-1.40740774	0.251107023	-5.60481233	2.08E-08	2.08E-07	CD40	protein_coding
ENSG00000013588	1636.532961	-1.39082713	0.05851621	-23.7682365	7.12E-125	4.00E-122	GPRC5A	protein_coding
ENSG00000141449	63.61403203	-1.3897654	0.279192855	-4.97779715	6.43E-07	5.19E-06	GREB1L	protein_coding
ENSG00000174502	34.35083435	-1.38192752	0.380896307	-3.62809376	0.000285522	0.001401378	SLC26A9	protein_coding
ENSG00000159658	4700.163916	-1.3769186	0.040048578	-34.3812103	4.81E-259	1.17E-255	EFCAB14	protein_coding
ENSG00000096088	28.00824911	-1.36909909	0.392562472	-3.48759544	0.000487385	0.002269593	PGC	protein_coding
ENSG00000172867	197.1495812	-1.36883906	0.14822681	-9.23476033	2.59E-20	7.28E-19	KRT2	protein_coding
ENSG00000108576	17.49170276	-1.35900581	0.534014749	-2.54488441	0.010931392	0.035333788	SLC6A4	protein_coding
ENSG00000134531	14193.09162	-1.34477193	0.031526776	-42.6549137	0	0	EMP1	protein_coding
ENSG00000108924	177.1319879	-1.34139835	0.167950772	-7.98685433	1.38E-15	2.82E-14	HLF	protein_coding
ENSG00000169562	1158.055089	-1.33690743	0.066628793	-20.0650104	1.49E-89	4.48E-87	GJB1	protein_coding
ENSG00000237289	230.5648102	-1.33377871	0.138766696	-9.61166295	7.14E-22	2.22E-20	CKMT1B	protein_coding
ENSG00000140937	1174.290301	-1.32395829	0.063189337	-20.9522422	1.79E-97	6.22E-95	CDH11	protein_coding
ENSG00000064300	12336.79682	-1.3202817	0.036387963	-36.2834734	2.95E-288	9.23E-285	NGFR	protein_coding
ENSG00000138449	424.8771117	-1.31355405	0.114703031	-11.4517815	2.30E-30	1.10E-28	SLC40A1	protein_coding
ENSG00000006659	26.61490477	-1.3127363	0.396996827	-3.30666698	0.000944131	0.004095283	LGALS14	protein_coding
ENSG00000132744	218.7810712	-1.30709009	0.140978471	-9.27155811	1.83E-20	5.21E-19	ACY3	protein_coding
ENSG00000170367	437.2208512	-1.2876703	0.105845544	-12.1655598	4.74E-34	2.71E-32	CST5	protein_coding
ENSG00000173269	579.1603862	-1.2782141	0.091278862	-14.0033965	1.49E-44	1.26E-42	MMRN2	protein_coding
ENSG00000164574	3747.368886	-1.27755789	0.043807124	-29.1632449	5.68E-187	8.29E-184	GALNT10	protein_coding
ENSG00000138166	1869.031459	-1.26847426	0.054282276	-23.368111	9.02E-121	4.49E-118	DUSP5	protein_coding
ENSG00000164330	16.64581823	-1.26220045	0.524793225	-2.40513861	0.016166333	0.049624932	EBF1	protein_coding
ENSG00000101425	34.28885619	-1.24944434	0.351504511	-3.55456132	0.00037861	0.001808035	BPI	protein_coding

ENSG00000168062	120.0698932	-1.24747788	0.198455529	-6.28593161	3.26E-10	4.05E-09	BATF2	protein_coding
ENSG00000106178	27.30214117	-1.23053409	0.392371649	-3.13614425	0.00171185	0.006969902	CCL24	protein_coding
ENSG00000241644	18.27920894	-1.22579025	0.475494399	-2.57792784	0.009939475	0.032521636	INMT	protein_coding
ENSG00000239900	199.4976336	-1.22470057	0.14948288	-8.19291529	2.55E-16	5.52E-15	ADSL	protein_coding
ENSG00000100196	1534.698431	-1.21818445	0.058021739	-20.9953109	7.24E-98	2.56E-95	KDELRL3	protein_coding
ENSG00000142484	23.25777117	-1.21198158	0.435529334	-2.78277831	0.005389562	0.01915288	TM4SF5	protein_coding
ENSG00000111245	58.77837594	-1.21151991	0.276305242	-4.38471562	1.16E-05	7.64E-05	MYL2	protein_coding
ENSG00000173702	457.4712794	-1.20933624	0.100481211	-12.0354465	2.31E-33	1.28E-31	MUC13	protein_coding
ENSG00000150281	72.16819388	-1.19758339	0.250301673	-4.78456006	1.71E-06	1.29E-05	CTF1	protein_coding
ENSG00000163283	1429.79651	-1.17889972	0.061588515	-19.1415513	1.14E-81	3.00E-79	ALPP	protein_coding
ENSG00000092421	311.2607125	-1.1785614	0.117769393	-10.0073658	1.41E-23	4.89E-22	SEMA6A	protein_coding
ENSG00000197467	1359.999927	-1.17790623	0.064268361	-18.3279332	4.95E-75	1.07E-72	COL13A1	protein_coding
ENSG00000111799	24.64599636	-1.17481876	0.434985821	-2.70082082	0.006916859	0.02377806	COL12A1	protein_coding
ENSG00000152463	17.7832787	-1.17403704	0.483319006	-2.42911417	0.015135765	0.046862041	OLAH	protein_coding
ENSG00000173262	780.3748847	-1.17191725	0.076468014	-15.3255876	5.16E-53	6.21E-51	SLC2A14	protein_coding
ENSG00000166866	33.69815552	-1.14061707	0.357085554	-3.1942403	0.001401994	0.005837421	MYO1A	protein_coding
ENSG00000130052	469.920227	-1.13464373	0.101637221	-11.1636635	6.14E-29	2.72E-27	STARD8	protein_coding
ENSG00000170214	242.7039368	-1.13160619	0.132419893	-8.54559055	1.28E-17	3.01E-16	ADRA1B	protein_coding
ENSG00000143603	34.85125971	-1.12911419	0.35221335	-3.20576771	0.001347027	0.005638567	KCNN3	protein_coding
ENSG00000081052	20.90345726	-1.12559954	0.447771786	-2.5137795	0.011944509	0.038162845	COL4A4	protein_coding
ENSG00000117595	551.2624749	-1.12552475	0.093440879	-12.0453142	2.05E-33	1.15E-31	IRF6	protein_coding
ENSG00000112715	723.530251	-1.12022087	0.077818867	-14.3952349	5.54E-47	5.23E-45	VEGFA	protein_coding
ENSG00000213085	92.67525187	-1.11833008	0.214090121	-5.22364168	1.75E-07	1.54E-06	CFAP45	protein_coding
ENSG00000168785	2794.582077	-1.11583641	0.05041186	-22.1344027	1.47E-108	6.21E-106	TSPAN5	protein_coding
ENSG00000163286	346.7557442	-1.11315697	0.114121487	-9.75414008	1.77E-22	5.76E-21	ALPPL2	protein_coding
ENSG00000162496	248.5833645	-1.10925245	0.135926014	-8.1607076	3.33E-16	7.16E-15	DHRS3	protein_coding
ENSG00000178809	40.24819781	-1.10774692	0.346095966	-3.20069294	0.001370975	0.005726777	TRIM73	protein_coding
ENSG00000163618	87.73349403	-1.106082	0.220151988	-5.02417446	5.06E-07	4.13E-06	CADPS	protein_coding
ENSG00000141968	36.92301818	-1.10566027	0.353387261	-3.12874963	0.001755518	0.007135763	VAV1	protein_coding
ENSG00000160183	86.33496371	-1.10236419	0.222394791	-4.95678964	7.17E-07	5.74E-06	TMPRSS3	protein_coding
ENSG00000188910	589.3801171	-1.09849426	0.087827648	-12.5073856	6.80E-36	4.15E-34	GJB3	protein_coding
ENSG00000167680	812.8987593	-1.09599643	0.085259523	-12.8548272	8.08E-38	5.28E-36	SEMA6B	protein_coding
ENSG00000006756	1176.442327	-1.09059908	0.06939371	-15.7161085	1.17E-55	1.54E-53	ARSD	protein_coding
ENSG00000136928	53.86962025	-1.08682713	0.279530549	-3.88804419	0.000101055	0.000546583	GABBR2	protein_coding
ENSG00000167157	25.39923916	-1.08468251	0.434947856	-2.49382194	0.012637592	0.040067514	PRRX2	protein_coding
ENSG00000196407	30.72562099	-1.08206736	0.375772227	-2.8795831	0.003982013	0.014704316	THEM5	protein_coding
ENSG00000141934	807.7124129	-1.07866339	0.074329524	-14.5119103	1.02E-47	9.96E-46	PLPP2	protein_coding
ENSG00000103355	100.861495	-1.07784204	0.207859285	-5.18544091	2.16E-07	1.88E-06	PRSS33	protein_coding
ENSG00000136002	846.8970334	-1.07688452	0.072459996	-14.8617801	5.84E-50	6.12E-48	ARHGEF4	protein_coding
ENSG00000131620	2773.559746	-1.07474771	0.050808447	-21.1529338	2.59E-99	9.47E-97	ANO1	protein_coding
ENSG00000137491	24.25769672	-1.07381931	0.431573711	-2.48814809	0.012841025	0.040636037	SLC02B1	protein_coding
ENSG00000080031	151.6371685	-1.07267773	0.167370916	-6.40898526	1.46E-10	1.88E-09	PTPRH	protein_coding
ENSG00000158486	179.4782747	-1.07259467	0.160907821	-6.66589516	2.63E-11	3.66E-10	DNAH3	protein_coding
ENSG00000109667	71.17424171	-1.07137505	0.264833354	-4.04546873	5.22E-05	0.000298655	SLC2A9	protein_coding

ENSG00000087495	106.7808209	-1.07043544	0.202754859	-5.27945639	1.30E-07	1.16E-06	PHACTR3	protein_coding
ENSG00000240583	81.01599719	-1.06645975	0.25397176	-4.19912729	2.68E-05	0.000163674	AQP1	protein_coding
ENSG00000170373	32464.87793	-1.063326	0.103701722	-10.2536967	1.14E-24	4.15E-23	CST1	protein_coding
ENSG00000110436	405.3969204	-1.06022417	0.104568806	-10.1390101	3.71E-24	1.33E-22	SLC1A2	protein_coding
ENSG00000163359	1780.063628	-1.05757976	0.055865017	-18.9309842	6.34E-80	1.58E-77	COL6A3	protein_coding
ENSG00000130270	244.4873699	-1.0574603	0.133844509	-7.90066259	2.77E-15	5.56E-14	ATP8B3	protein_coding
ENSG00000172594	136.9846351	-1.05387666	0.21413138	-4.92163577	8.58E-07	6.77E-06	SMPDL3A	protein_coding
ENSG00000110876	168.5461156	-1.04999567	0.158209819	-6.63672887	3.21E-11	4.42E-10	SEPLLG	protein_coding
ENSG00000112972	3423.87081	-1.04838057	0.050056712	-20.943856	2.13E-97	7.31E-95	HMGCS1	protein_coding
ENSG00000164520	282.1132835	-1.04398634	0.129890938	-8.03740703	9.18E-16	1.90E-14	RAET1E	protein_coding
ENSG00000100311	1752.350807	-1.04129628	0.054943522	-18.9521212	4.24E-80	1.07E-77	PDGFB	protein_coding
ENSG00000153162	146.7914545	-1.04118086	0.170099172	-6.12102251	9.30E-10	1.09E-08	BMP6	protein_coding
ENSG00000133067	945.1826935	-1.03784853	0.069567504	-14.9185822	2.50E-50	2.64E-48	LGR6	protein_coding
ENSG00000133083	4875.424969	-1.03683017	0.037646409	-27.5412764	5.63E-167	6.17E-164	DCLK1	protein_coding
ENSG00000129354	105.6531406	-1.03635495	0.205504275	-5.04298489	4.58E-07	3.80E-06	AP1M2	protein_coding
ENSG00000124102	34.75733723	-1.03440979	0.357213288	-2.89577633	0.003782219	0.014049432	PI3	protein_coding
ENSG00000231389	28.55882937	-1.03347756	0.395917556	-2.61033527	0.009045352	0.030025526	HLA-DPA1	protein_coding
ENSG00000124116	71.01104984	-1.02524641	0.247152224	-4.14823867	3.35E-05	0.000200947	WFDC3	protein_coding
ENSG00000129682	60.32097954	-1.02490061	0.263874753	-3.88404195	0.000102734	0.000554967	FGF13	protein_coding
ENSG00000147082	37.89034871	-1.02215262	0.374688649	-2.72800529	0.006371859	0.022175972	CCNB3	protein_coding
ENSG00000186007	103.3540838	-1.02105477	0.203602983	-5.01493032	5.31E-07	4.32E-06	LEMD1	protein_coding
ENSG00000130643	45.16140421	-1.02082414	0.309082729	-3.30275375	0.000957404	0.004147111	CALY	protein_coding
ENSG00000108405	101.0307542	-1.01869814	0.204621373	-4.97845421	6.41E-07	5.17E-06	P2RX1	protein_coding
ENSG00000106991	2076.26412	-1.01596064	0.054775882	-18.5475905	8.53E-77	1.92E-74	ENG	protein_coding
ENSG00000162512	9730.752098	-1.01529389	0.035735353	-28.4114694	1.46E-177	1.78E-174	SDC3	protein_coding
ENSG00000171119	39.93137639	-1.00991952	0.376648938	-2.68132847	0.00733305	0.025000849	NRTN	protein_coding
ENSG00000169105	1215.502004	-1.00585108	0.065382185	-15.3841767	2.09E-53	2.53E-51	CHST14	protein_coding
ENSG00000166501	41.98410354	-1.00572692	0.336472311	-2.98903322	0.002798617	0.010808129	PRKCB	protein_coding
ENSG00000116329	81.34429393	1.000407568	0.231676059	4.318130983	1.57E-05	0.000100875	OPRD1	protein_coding
ENSG00000198756	678.8144858	1.001534027	0.084959287	11.78839956	4.48E-32	2.34E-30	COLGALT2	protein_coding
ENSG00000073067	44.51461453	1.002004623	0.308456942	3.248442444	0.001160387	0.004923469	CYP2W1	protein_coding
ENSG00000267060	84.26619671	1.002129888	0.229484419	4.366875503	1.26E-05	8.21E-05	PTGES3L	protein_coding
ENSG00000180537	216.1773944	1.002436419	0.138285587	7.249030349	4.20E-13	7.12E-12	RNF182	protein_coding
ENSG00000124406	100.3485002	1.003627563	0.203907656	4.92197097	8.57E-07	6.76E-06	ATP8A1	protein_coding
ENSG00000198795	188.782981	1.004485824	0.153682001	6.536131855	6.31E-11	8.45E-10	ZNF521	protein_coding
ENSG00000157613	389.4764947	1.004701107	0.109693851	9.159137846	5.23E-20	1.45E-18	CREB3L1	protein_coding
ENSG00000147488	29.1800682	1.004714545	0.38385203	2.617452735	0.008858876	0.029482478	ST18	protein_coding
ENSG00000165152	748.3418464	1.004985013	0.078549654	12.79426407	1.77E-37	1.15E-35	TMEM246	protein_coding
ENSG00000163638	141.3340046	1.005313941	0.176701278	5.689341663	1.28E-08	1.31E-07	ADAMTS9	protein_coding
ENSG00000182575	116.7294267	1.005332386	0.20129699	4.994274304	5.91E-07	4.78E-06	NXPH3	protein_coding
ENSG00000163694	303.5595696	1.006788593	0.123371216	8.160644177	3.33E-16	7.16E-15	RBM47	protein_coding
ENSG00000132718	36.18837345	1.00925724	0.350072452	2.882995318	0.003939133	0.014580383	SYT11	protein_coding
ENSG00000070182	1115.182822	1.011314384	0.066848687	15.12841055	1.05E-51	1.19E-49	SPTB	protein_coding
ENSG00000215182	38.11795534	1.01171533	0.331594267	3.051064003	0.00228032	0.009009813	MUC5AC	protein_coding

ENSG00000197943	757.0629408	1.014187079	0.082294849	12.32382208	6.74E-35	3.99E-33	PLCG2	protein_coding
ENSG00000167701	31.50216064	1.015539132	0.365988993	2.774780532	0.005523897	0.019579444	GPT	protein_coding
ENSG00000221944	402.5139241	1.015986018	0.104818019	9.69285647	3.23E-22	1.04E-20	TIGD1	protein_coding
ENSG00000123700	26.14972162	1.016171787	0.404928036	2.509512054	0.012089809	0.038569162	KCNJ2	protein_coding
ENSG00000175395	319.7638374	1.018962007	0.119615944	8.518613599	1.61E-17	3.78E-16	ZNF25	protein_coding
ENSG00000126217	441.0040995	1.018972284	0.101167014	10.07217913	7.33E-24	2.58E-22	MCF2L	protein_coding
ENSG00000134339	108.7504845	1.021076393	0.200592583	5.090299835	3.57E-07	3.01E-06	SAA2	protein_coding
ENSG00000075643	96.4139104	1.021807274	0.212027671	4.819216617	1.44E-06	1.10E-05	MOCOS	protein_coding
ENSG00000223802	52.83290916	1.022146592	0.286595377	3.566514581	0.000361761	0.001736277	CERS1	protein_coding
ENSG00000153721	143.0309453	1.022163028	0.17148045	5.960813758	2.51E-09	2.80E-08	CNKSR3	protein_coding
ENSG00000112175	108.463826	1.025383079	0.196282393	5.224019662	1.75E-07	1.54E-06	BMP5	protein_coding
ENSG00000186212	66.99621733	1.025556252	0.249582687	4.109084108	3.97E-05	0.000232843	SOWAHB	protein_coding
ENSG00000074527	84.91169006	1.025874586	0.220579847	4.650808324	3.31E-06	2.37E-05	NTN4	protein_coding
ENSG00000141448	234.1872172	1.027537151	0.134773497	7.624178137	2.46E-14	4.62E-13	GATA6	protein_coding
ENSG00000145700	28.82626766	1.028600767	0.372855851	2.758708935	0.00580302	0.020413545	ANKRD31	protein_coding
ENSG00000101098	226.4246418	1.029944641	0.150407875	6.847677611	7.51E-12	1.12E-10	RIMS4	protein_coding
ENSG00000162645	80.77543022	1.031230937	0.227813034	4.526654682	5.99E-06	4.14E-05	GBP2	protein_coding
ENSG00000081041	62.59431746	1.032931345	0.25692803	4.020313952	5.81E-05	0.000330169	CXCL2	protein_coding
ENSG00000164076	104.8117827	1.034326197	0.204131619	5.066957301	4.04E-07	3.38E-06	CAMKV	protein_coding
ENSG00000125462	64.73875349	1.034979337	0.264943552	3.906414508	9.37E-05	0.000510694	Clorf61	protein_coding
ENSG00000243147	1067.124638	1.036662793	0.068772728	15.07374838	2.41E-51	2.68E-49	MRPL33	protein_coding
ENSG00000145687	130.6748521	1.039684765	0.188015489	5.529782531	3.21E-08	3.14E-07	SSBP2	protein_coding
ENSG00000102934	1768.978296	1.041551402	0.05896743	17.66316418	8.06E-70	1.50E-67	PLLP	protein_coding
ENSG00000009724	122.3908666	1.042092482	0.189754637	5.491789293	3.98E-08	3.84E-07	MASP2	protein_coding
ENSG00000079112	34.32139157	1.047320232	0.355495442	2.946086241	0.003218227	0.012200632	CDH17	protein_coding
ENSG00000169116	156.3841586	1.048160213	0.166929621	6.279054645	3.41E-10	4.23E-09	PARM1	protein_coding
ENSG00000140416	2850.442773	1.049283698	0.04365093	24.03806056	1.11E-127	6.42E-125	TPM1	protein_coding
ENSG00000111674	1231.673297	1.049865557	0.066993642	15.67112238	2.38E-55	3.09E-53	ENO2	protein_coding
ENSG00000180801	51.22288024	1.051599647	0.306458757	3.431455692	0.000600351	0.002722424	ARSJ	protein_coding
ENSG00000188266	128.2304709	1.052497174	0.204062183	5.157727701	2.50E-07	2.16E-06	HYKK	protein_coding
ENSG00000089597	15511.18717	1.053392898	0.034097688	30.89338179	1.47E-209	2.68E-206	GANAB	protein_coding
ENSG00000162981	138.9724046	1.053593772	0.171795302	6.132843919	8.63E-10	1.02E-08	FAM84A	protein_coding
ENSG00000157601	292.6022277	1.062126507	0.126151265	8.419467724	3.78E-17	8.62E-16	MX1	protein_coding
ENSG00000055163	746.1021332	1.062674157	0.082043545	12.95256265	2.27E-38	1.52E-36	CYFIP2	protein_coding
ENSG00000100154	67.39985846	1.063159761	0.259219107	4.101394276	4.11E-05	0.000240269	TTC28	protein_coding
ENSG00000138311	68.29215118	1.065921833	0.250340158	4.257893904	2.06E-05	0.000129309	ZNF365	protein_coding
ENSG00000261115	94.61761594	1.068433549	0.207719703	5.143631218	2.69E-07	2.31E-06	TMEM178B	protein_coding
ENSG00000168918	296.7473552	1.071756173	0.120284706	8.910161635	5.10E-19	1.32E-17	INPP5D	protein_coding
ENSG00000141497	37.98767529	1.074406954	0.329742986	3.258316328	0.001120754	0.004775358	ZMYND15	protein_coding
ENSG00000120594	28.00043628	1.075267246	0.382200026	2.813362569	0.004902634	0.017654479	PLXDC2	protein_coding
ENSG00000137460	350.6470646	1.076059751	0.10945237	9.831306086	8.25E-23	2.75E-21	FHDC1	protein_coding
ENSG00000128298	162.676511	1.078161923	0.169628421	6.356021691	2.07E-10	2.62E-09	BAIAP2L2	protein_coding
ENSG00000137819	388.4249191	1.08092563	0.109229138	9.895945792	4.33E-23	1.46E-21	PAQR5	protein_coding
ENSG00000119508	45.60149638	1.081465009	0.310148973	3.486921139	0.000488615	0.00227484	NR4A3	protein_coding

ENSG00000062038	75.05148697	1.082409762	0.250228465	4.325685978	1.52E-05	9.76E-05	CDH3	protein_coding
ENSG00000152527	424.3456237	1.082470896	0.104773068	10.33157587	5.07E-25	1.88E-23	PLEKHH2	protein_coding
ENSG00000185565	54.44680894	1.082683349	0.279147048	3.878541275	0.000105085	0.000566268	LSAMP	protein_coding
ENSG00000112414	275.1576972	1.083664385	0.123468538	8.776846329	1.68E-18	4.21E-17	ADGRG6	protein_coding
ENSG00000165023	84.01835804	1.08577912	0.226129996	4.801570518	1.57E-06	1.19E-05	DIRAS2	protein_coding
ENSG00000107105	470.5036716	1.087106583	0.096804574	11.22990928	2.91E-29	1.31E-27	ELAVL2	protein_coding
ENSG00000198342	123.0550567	1.087691367	0.190282414	5.716194917	1.09E-08	1.12E-07	ZNF442	protein_coding
ENSG00000164651	32.57968588	1.088254115	0.360135256	3.021792773	0.002512825	0.00983621	SP8	protein_coding
ENSG00000128918	51.81276246	1.090513877	0.281701196	3.871172341	0.000108313	0.000581948	ALDH1A2	protein_coding
ENSG00000196549	596.233472	1.091696093	0.085659423	12.74461181	3.34E-37	2.14E-35	MME	protein_coding
ENSG00000144476	870.0454815	1.094697741	0.07905641	13.84704592	1.33E-43	1.09E-41	ACKR3	protein_coding
ENSG00000165449	163.8292077	1.097496898	0.174953978	6.273060566	3.54E-10	4.38E-09	SLC16A9	protein_coding
ENSG00000077063	186.6787758	1.098612414	0.152267864	7.214998515	5.39E-13	9.02E-12	CTTNBP2	protein_coding
ENSG00000102931	1744.95374	1.09997151	0.059507653	18.48453848	2.75E-76	6.02E-74	ARL2BP	protein_coding
ENSG00000107147	92.439788	1.101776203	0.228709711	4.817356448	1.45E-06	1.10E-05	KCNT1	protein_coding
ENSG00000101210	2652.788094	1.104561526	0.058025354	19.03584284	8.61E-81	2.19E-78	EEF1A2	protein_coding
ENSG00000187134	47.83861745	1.104855853	0.318648153	3.467322323	0.000525671	0.002423154	AKR1C1	protein_coding
ENSG00000085276	27.66438873	1.105271127	0.384644161	2.873489942	0.00405964	0.014948128	MECOM	protein_coding
ENSG00000188868	122.3754558	1.11429748	0.190245769	5.857147247	4.71E-09	5.08E-08	ZNF563	protein_coding
ENSG00000128285	164.5049886	1.115090633	0.166816579	6.684531218	2.32E-11	3.25E-10	MCHR1	protein_coding
ENSG00000134802	270.2487161	1.11514436	0.126014074	8.849363588	8.80E-19	2.24E-17	SLC43A3	protein_coding
ENSG00000125726	53.56822568	1.11522228	0.281637555	3.959778305	7.50E-05	0.000416236	CD70	protein_coding
ENSG00000114200	38.52546098	1.11832212	0.330858397	3.380062676	0.000724693	0.003233734	BCHE	protein_coding
ENSG00000149418	427.0757344	1.127851481	0.103661054	10.88018531	1.43E-27	5.99E-26	ST14	protein_coding
ENSG00000165272	170.080008	1.129091171	0.15659163	7.210418412	5.58E-13	9.29E-12	AQP3	protein_coding
ENSG00000066230	796.6307834	1.13011713	0.078270898	14.43853545	2.96E-47	2.83E-45	SLC9A3	protein_coding
ENSG00000154645	37.92967956	1.130176913	0.348064871	3.247029522	0.001166163	0.004942879	CHODL	protein_coding
ENSG00000108176	85.1497681	1.132714868	0.239773492	4.724103807	2.31E-06	1.70E-05	DNAJC12	protein_coding
ENSG00000101335	4748.903049	1.136228925	0.044878744	25.31775227	2.04E-141	1.54E-138	MYL9	protein_coding
ENSG00000114948	195.5432084	1.13631198	0.152206369	7.465600743	8.29E-14	1.49E-12	ADAM23	protein_coding
ENSG00000106006	118.8720176	1.142507162	0.206223593	5.54013798	3.02E-08	2.96E-07	HOXA6	protein_coding
ENSG00000107201	1519.807059	1.145031683	0.05799093	19.74501318	8.85E-87	2.55E-84	DDX58	protein_coding
ENSG00000043462	56.8828207	1.145478499	0.280061481	4.090096551	4.31E-05	0.000251138	LCP2	protein_coding
ENSG00000107796	113.9205862	1.148747516	0.203643023	5.640986357	1.69E-08	1.71E-07	ACTA2	protein_coding
ENSG00000176153	341.9226043	1.14930169	0.115006612	9.993353127	1.63E-23	5.61E-22	GPX2	protein_coding
ENSG00000171817	67.42970978	1.151777312	0.256400693	4.492099058	7.05E-06	4.81E-05	ZNF540	protein_coding
ENSG00000128849	298.5310169	1.152968464	0.128990547	8.938395064	3.95E-19	1.03E-17	CGNL1	protein_coding
ENSG00000214189	35.66504773	1.155026662	0.34832394	3.315955437	0.000913304	0.003971793	ZNF788	protein_coding
ENSG00000173947	20.60009598	1.155481996	0.45509344	2.538999454	0.011117	0.035853633	PIFO	protein_coding
ENSG00000105996	32.79984026	1.156316715	0.364774117	3.169952753	0.001524637	0.006294229	HOXA2	protein_coding
ENSG00000072133	88.97100184	1.157646735	0.229888005	5.035698726	4.76E-07	3.92E-06	RPS6KA6	protein_coding
ENSG00000161133	25.44575522	1.160865909	0.405142089	2.865330316	0.004165745	0.015295112	USP41	protein_coding
ENSG00000204889	78.18733331	1.1623853	0.247757411	4.691626762	2.71E-06	1.97E-05	KRT40	protein_coding
ENSG00000105642	28.44748113	1.166123713	0.393067674	2.966725045	0.0030099	0.011502418	KCNN1	protein_coding

ENSG00000134321	687.0381224	1.167628962	0.081595609	14.30994846	1.90E-46	1.73E-44	RSAD2	protein_coding
ENSG00000139209	26.83168917	1.168179638	0.400634051	2.915827137	0.00354747	0.013306049	SLC38A4	protein_coding
ENSG00000162777	64.70759297	1.169699581	0.253045918	4.622479546	3.79E-06	2.70E-05	DENND2D	protein_coding
ENSG00000215009	26.75126812	1.172003962	0.43514944	2.693336714	0.007074079	0.024246236	ACSM4	protein_coding
ENSG00000163121	39.33337432	1.178693792	0.351033061	3.3577857	0.000785695	0.003476899	NEURL3	protein_coding
ENSG00000184012	123.1778716	1.179314646	0.187449295	6.291379481	3.15E-10	3.93E-09	TMPRSS2	protein_coding
ENSG00000159173	272.4161429	1.180558762	0.127610606	9.25125892	2.22E-20	6.27E-19	TNNI1	protein_coding
ENSG00000151882	66.58475179	1.181916563	0.258600942	4.570426364	4.87E-06	3.42E-05	CCL28	protein_coding
ENSG00000198121	50.35599201	1.182343203	0.286959429	4.120245178	3.78E-05	0.000223339	LPAR1	protein_coding
ENSG00000166664	22.19586185	1.184544202	0.429144103	2.760248112	0.005775748	0.020327403	CHRFAM7A	protein_coding
ENSG00000164749	55.12241764	1.186024652	0.281167599	4.218212396	2.46E-05	0.000151731	HNF4G	protein_coding
ENSG00000123191	1061.162588	1.186492825	0.071260203	16.65014647	3.02E-62	4.76E-60	ATP7B	protein_coding
ENSG00000115267	1078.603049	1.186839168	0.066071078	17.96306659	3.79E-72	7.62E-70	IFIH1	protein_coding
ENSG00000105963	204.5666231	1.196137864	0.147934411	8.085595874	6.19E-16	1.30E-14	ADAP1	protein_coding
ENSG00000085662	164.0870988	1.202195336	0.164255815	7.319042795	2.50E-13	4.33E-12	AKR1B1	protein_coding
ENSG00000185697	1102.869852	1.206002045	0.069057246	17.4638015	2.70E-68	4.78E-66	MYBL1	protein_coding
ENSG00000146477	128.8690171	1.206036817	0.183119276	6.586072428	4.52E-11	6.13E-10	SLC22A3	protein_coding
ENSG00000183971	79.0565332	1.214094106	0.237116803	5.120236492	3.05E-07	2.60E-06	NPW	protein_coding
ENSG00000170681	34.15076488	1.216463321	0.353705748	3.439195794	0.000583445	0.002657593	CAVIN4	protein_coding
ENSG00000144810	185.5345573	1.21823599	0.166296154	7.325701541	2.38E-13	4.13E-12	COL8A1	protein_coding
ENSG00000164181	201.3348151	1.218645668	0.150932474	8.074111817	6.80E-16	1.42E-14	ELOVL7	protein_coding
ENSG00000132329	123.1275422	1.218955882	0.196412474	6.206102185	5.43E-10	6.56E-09	RAMP1	protein_coding
ENSG00000175329	23.76151196	1.225781759	0.473507469	2.588727401	0.009633132	0.031702788	ISX	protein_coding
ENSG00000075213	1435.75167	1.238830608	0.060632138	20.4319138	8.70E-93	2.85E-90	SEMA3A	protein_coding
ENSG00000159714	19.60987788	1.239908001	0.503400125	2.463066532	0.013775435	0.043125755	ZDHHC1	protein_coding
ENSG00000142677	32.40412151	1.244421291	0.359907714	3.45761217	0.000544985	0.002496947	IL22RA1	protein_coding
ENSG00000182866	810.047291	1.249280607	0.07414936	16.84816429	1.08E-63	1.74E-61	LCK	protein_coding
ENSG00000135116	33.35588428	1.252331883	0.377151646	3.32049958	0.000898565	0.003918588	HRK	protein_coding
ENSG00000197380	201.4556688	1.253498552	0.148391929	8.44721518	2.98E-17	6.84E-16	DACT3	protein_coding
ENSG00000171033	38.67230527	1.255063124	0.334987702	3.746594626	0.000179251	0.000918051	PKIA	protein_coding
ENSG00000182393	101.641462	1.261050983	0.209914438	6.007452347	1.88E-09	2.13E-08	IFNL1	protein_coding
ENSG00000155918	55.84374917	1.264711717	0.281380185	4.49467227	6.97E-06	4.76E-05	RAET1L	protein_coding
ENSG00000158220	55.27667684	1.266773922	0.291269266	4.349150671	1.37E-05	8.85E-05	ESYT3	protein_coding
ENSG00000227268	29.66536402	1.267440954	0.415072593	3.053540455	0.002261582	0.008942231	KLLN	protein_coding
ENSG00000204219	44.3890888	1.267519822	0.318722033	3.976881702	6.98E-05	0.00039088	TCEA3	protein_coding
ENSG00000006071	57.3947312	1.273311581	0.32019368	3.976691803	6.99E-05	0.000391092	ABCC8	protein_coding
ENSG00000184349	38.84549217	1.276859435	0.376376408	3.392506561	0.000692563	0.003102369	EFNA5	protein_coding
ENSG00000130294	1549.586946	1.284892616	0.067422862	19.05722448	5.72E-81	1.47E-78	KIF1A	protein_coding
ENSG00000100060	434.6387472	1.290729333	0.104093877	12.39966628	2.62E-35	1.57E-33	MFNG	protein_coding
ENSG00000130545	34.65584185	1.29140194	0.348427118	3.706376095	0.000210246	0.001059209	CRB3	protein_coding
ENSG00000183072	85.77454261	1.292696417	0.228155203	5.665864288	1.46E-08	1.49E-07	NKX2-5	protein_coding
ENSG00000105997	324.5314116	1.293969202	0.118416877	10.92723638	8.54E-28	3.61E-26	HOXA3	protein_coding
ENSG00000184979	100.6835519	1.294575836	0.228898735	5.65567056	1.55E-08	1.58E-07	USP18	protein_coding
ENSG00000119866	86.15768562	1.295144189	0.218949763	5.91525732	3.31E-09	3.64E-08	BCL11A	protein_coding

ENSG00000113924	46.18079489	1.298787109	0.31134732	4.171505667	3.03E-05	0.000183305	HGD	protein_coding
ENSG00000115221	39.43769963	1.303718388	0.333938811	3.904063689	9.46E-05	0.000515042	ITGB6	protein_coding
ENSG00000130203	2469.037055	1.305266905	0.057102201	22.85843432	1.20E-115	5.86E-113	APOE	protein_coding
ENSG00000100557	48.64865638	1.308658415	0.31207242	4.193444639	2.75E-05	0.000167364	CCDC198	protein_coding
ENSG00000169245	151.7224044	1.316721819	0.182577225	7.211862387	5.52E-13	9.21E-12	CXCL10	protein_coding
ENSG00000122574	37.94198085	1.318735617	0.356054239	3.703749239	0.000212436	0.001069505	WIPF3	protein_coding
ENSG00000139292	416.4573637	1.320273918	0.108219647	12.19994659	3.11E-34	1.80E-32	LGR5	protein_coding
ENSG00000152078	195.0417645	1.321028952	0.158905649	8.313291329	9.31E-17	2.06E-15	TMEM56	protein_coding
ENSG00000065621	176.1370728	1.321963078	0.158760967	8.326751234	8.31E-17	1.85E-15	GSTO2	protein_coding
ENSG00000119917	1925.527589	1.32344516	0.052740538	25.09350876	5.85E-139	4.27E-136	IFIT3	protein_coding
ENSG00000163739	256.4176976	1.323462309	0.131171242	10.08957669	6.14E-24	2.17E-22	CXCL1	protein_coding
ENSG00000143178	40.97570253	1.324753094	0.354598074	3.735928616	0.000187024	0.000953	TBX19	protein_coding
ENSG00000109255	29.24584231	1.325362693	0.396553079	3.342207546	0.000831149	0.003659561	NMU	protein_coding
ENSG00000055813	41.41939476	1.325464611	0.330627624	4.008934866	6.10E-05	0.000345681	CCDC85A	protein_coding
ENSG00000165731	19.77599066	1.325963863	0.489688611	2.707769454	0.006773706	0.023348234	RET	protein_coding
ENSG00000146013	61.16447051	1.326549148	0.266856081	4.971028372	6.66E-07	5.36E-06	GFRA3	protein_coding
ENSG00000140832	99.84113384	1.326974031	0.211529626	6.273230162	3.54E-10	4.38E-09	MARVELD3	protein_coding
ENSG00000007062	223.0415109	1.327581709	0.141028825	9.413548704	4.80E-21	1.42E-19	PROM1	protein_coding
ENSG00000113319	345.9094162	1.327734908	0.123982944	10.70901263	9.23E-27	3.72E-25	RASGRF2	protein_coding
ENSG00000159618	116.1423031	1.333957677	0.191185719	6.977287249	3.01E-12	4.71E-11	ADGRG5	protein_coding
ENSG00000138395	134.8133542	1.336275812	0.182675495	7.315024979	2.57E-13	4.45E-12	CDK15	protein_coding
ENSG00000121858	293.4694626	1.34070832	0.121534221	11.03152927	2.69E-28	1.16E-26	TNFSF10	protein_coding
ENSG00000111816	140.147127	1.343611956	0.182949484	7.344169127	2.07E-13	3.63E-12	FRK	protein_coding
ENSG00000071794	154.6871268	1.352559422	0.171667755	7.878936966	3.30E-15	6.58E-14	HLTF	protein_coding
ENSG00000203727	71.39802013	1.353624025	0.273162566	4.955378929	7.22E-07	5.78E-06	SAMD5	protein_coding
ENSG00000182747	37.42811479	1.361685607	0.348982993	3.901868098	9.55E-05	0.000519479	SLC35D3	protein_coding
ENSG00000109321	81.40907873	1.365925479	0.228315059	5.982634185	2.20E-09	2.46E-08	AREG	protein_coding
ENSG00000136167	2945.629916	1.366963797	0.05014625	27.25954182	1.28E-163	1.28E-160	LCP1	protein_coding
ENSG00000196381	20.21116899	1.37064131	0.454084023	3.018475085	0.002540503	0.009932129	ZNF781	protein_coding
ENSG00000152784	29.48583583	1.37789237	0.376321157	3.661479947	0.000250762	0.001243031	PRDM8	protein_coding
ENSG00000106004	307.7754277	1.379927383	0.119636243	11.53435901	8.85E-31	4.31E-29	HOXA5	protein_coding
ENSG00000259803	53.05402623	1.384648538	0.279955135	4.945965861	7.58E-07	6.04E-06	SLC22A31	protein_coding
ENSG00000132530	35.91509012	1.388375873	0.341883365	4.060963524	4.89E-05	0.000281565	XAF1	protein_coding
ENSG00000134717	2067.024908	1.388998074	0.052242331	26.58759755	9.44E-156	8.62E-153	BTF3L4	protein_coding
ENSG00000177875	16.79612898	1.389387516	0.507468548	2.737879068	0.006183681	0.021591182	CCDC184	protein_coding
ENSG00000124882	52.16509744	1.390888277	0.30501864	4.560010758	5.12E-06	3.58E-05	EREG	protein_coding
ENSG00000133328	27.03005728	1.391006454	0.405900294	3.426965875	0.000610366	0.002763552	HRASLS2	protein_coding
ENSG00000159166	879.4393835	1.391262585	0.080132707	17.36198166	1.60E-67	2.74E-65	LAD1	protein_coding
ENSG00000121904	121.5503223	1.39461513	0.190368823	7.325858865	2.37E-13	4.13E-12	CSMD2	protein_coding
ENSG00000117519	508.0725086	1.395131742	0.095231628	14.64987814	1.35E-48	1.36E-46	CNN3	protein_coding
ENSG00000158815	21.29513255	1.395786834	0.456237333	3.05934375	0.002218225	0.008789836	FGF17	protein_coding
ENSG00000196139	88.88682536	1.396573039	0.226020091	6.178977413	6.45E-10	7.73E-09	AKR1C3	protein_coding
ENSG00000169908	1023.875857	1.397413471	0.07524594	18.5712807	5.49E-77	1.25E-74	TM4SF1	protein_coding
ENSG00000114405	37.25833574	1.401535058	0.337742107	4.149719648	3.33E-05	0.000199721	C3orf14	protein_coding

ENSG00000186469	193.1795321	1.407520236	0.152790265	9.212106791	3.20E-20	8.96E-19	GNG2	protein_coding
ENSG00000179715	64.50281029	1.409571808	0.261519592	5.389928144	7.05E-08	6.56E-07	PCED1B	protein_coding
ENSG00000214491	75.80128447	1.417243744	0.24019068	5.90049432	3.62E-09	3.96E-08	SEC14L6	protein_coding
ENSG00000125266	1564.922294	1.42074525	0.057549258	24.68746433	1.46E-134	9.68E-132	EFNB2	protein_coding
ENSG00000153253	44.47336522	1.421054699	0.330295983	4.30236749	1.69E-05	0.00010776	SCN3A	protein_coding
ENSG00000103089	37.12256446	1.421745599	0.361874869	3.928832093	8.54E-05	0.000468504	FA2H	protein_coding
ENSG00000019505	314.5547816	1.432620394	0.124144664	11.53992724	8.30E-31	4.06E-29	SYT13	protein_coding
ENSG00000138646	182.7042017	1.436076602	0.156979511	9.148178582	5.79E-20	1.60E-18	HERC5	protein_coding
ENSG00000185432	136.8601783	1.438683265	0.182226576	7.895024401	2.90E-15	5.81E-14	METTL7A	protein_coding
ENSG00000183742	563.4156443	1.439869851	0.092535801	15.56013814	1.36E-54	1.69E-52	MACC1	protein_coding
ENSG00000147676	84.43680994	1.440606516	0.227077551	6.34411683	2.24E-10	2.83E-09	MAL2	protein_coding
ENSG00000135097	77.67800059	1.445064175	0.250847068	5.760737757	8.37E-09	8.77E-08	MSI1	protein_coding
ENSG00000128242	21.82541572	1.445474115	0.484241443	2.985027688	0.002835527	0.010933323	GAL3ST1	protein_coding
ENSG00000169248	57.85215066	1.454661917	0.280368232	5.188397796	2.12E-07	1.85E-06	CXCL11	protein_coding
ENSG00000178662	27.23787738	1.460677219	0.427466452	3.417056968	0.00063302	0.002857855	CSRNP3	protein_coding
ENSG00000115339	39.6139356	1.463378857	0.347931366	4.205941177	2.60E-05	0.000159486	GALNT3	protein_coding
ENSG00000212900	33.42855334	1.465467317	0.356478895	4.110951135	3.94E-05	0.000231278	KRTAP3-2	protein_coding
ENSG00000275896	587.0718665	1.466828151	0.098811164	14.84476135	7.52E-50	7.85E-48	PRSS2	protein_coding
ENSG00000023839	306.3119968	1.472100436	0.121335001	12.13252915	7.10E-34	4.00E-32	ABCC2	protein_coding
ENSG00000153093	36.91076939	1.473729222	0.344635761	4.276193564	1.90E-05	0.000119945	ACOXL	protein_coding
ENSG00000077522	56.68226735	1.474650237	0.280657632	5.254267362	1.49E-07	1.32E-06	ACTN2	protein_coding
ENSG00000127990	70.47006977	1.474901262	0.253909052	5.808777783	6.29E-09	6.71E-08	SGCE	protein_coding
ENSG00000133863	41.3777048	1.47515532	0.338010807	4.364225313	1.28E-05	8.30E-05	TEX15	protein_coding
ENSG00000165863	12.19920152	1.475332177	0.611080858	2.414299444	0.0157655	0.048578319	C10orf82	protein_coding
ENSG00000127472	16.54902662	1.477311385	0.51304714	2.87948469	0.003983256	0.014706427	PLA2G5	protein_coding
ENSG00000139211	505.6970153	1.47786532	0.095013227	15.55431135	1.49E-54	1.84E-52	AMIGO2	protein_coding
ENSG00000135114	2404.345564	1.479510237	0.047286513	31.28820755	6.75E-215	1.34E-211	OASL	protein_coding
ENSG00000184226	38.61393228	1.483397207	0.335488005	4.421610272	9.80E-06	6.53E-05	PCDH9	protein_coding
ENSG00000242265	1964.513213	1.485174744	0.060508944	24.54471428	4.93E-133	3.08E-130	PEG10	protein_coding
ENSG00000164484	45.33454092	1.487483699	0.319777845	4.651615871	3.29E-06	2.37E-05	TMEM200A	protein_coding
ENSG00000138769	26.97853934	1.489914463	0.438522723	3.397576422	0.000679856	0.003052315	CDKL2	protein_coding
ENSG00000143184	13.88298766	1.490351263	0.596916527	2.496749872	0.012533733	0.039772769	XCL1	protein_coding
ENSG00000100626	25.57356576	1.490984232	0.442666329	3.36818984	0.000756635	0.003361202	GALNT16	protein_coding
ENSG00000004799	26.15271458	1.491105776	0.413301846	3.607788817	0.000308818	0.001504259	PKD4	protein_coding
ENSG00000104327	468.4901104	1.493843786	0.097661684	15.29610916	8.12E-53	9.56E-51	CALB1	protein_coding
ENSG00000119922	2411.512307	1.494271143	0.047236152	31.63405733	1.26E-219	2.75E-216	IFIT2	protein_coding
ENSG00000182985	4491.771925	1.5046234	0.037781614	39.82422233	0	0	CADM1	protein_coding
ENSG00000153993	79.10238018	1.505484209	0.265036364	5.680293019	1.34E-08	1.37E-07	SEMA3D	protein_coding
ENSG00000163623	59.31364379	1.508589321	0.272746173	5.531110865	3.18E-08	3.11E-07	NKX6-1	protein_coding
ENSG00000150782	45.60923061	1.510094241	0.328362842	4.598858476	4.25E-06	3.01E-05	IL18	protein_coding
ENSG00000132170	126.5559543	1.521213578	0.18899453	8.048982045	8.35E-16	1.74E-14	PPARG	protein_coding
ENSG00000154274	39.51901249	1.523660828	0.335181613	4.54577689	5.47E-06	3.81E-05	C4orf19	protein_coding
ENSG00000118777	25.60848299	1.525219929	0.439487278	3.470452971	0.000519581	0.002400639	ABCG2	protein_coding
ENSG00000017483	702.518793	1.528735194	0.08242455	18.54708576	8.61E-77	1.92E-74	SLC38A5	protein_coding

ENSG00000145721	76.9043351	1.531950771	0.239767483	6.389318321	1.67E-10	2.13E-09	LIX1	protein_coding
ENSG00000188959	90.37663712	1.532169136	0.221931834	6.903782605	5.06E-12	7.71E-11	C9orf152	protein_coding
ENSG00000148541	117.815356	1.536205219	0.197409087	7.781836395	7.15E-15	1.38E-13	FAM13C	protein_coding
ENSG00000186912	12.50598806	1.538000045	0.60305981	2.550327544	0.010762175	0.03486843	P2RY4	protein_coding
ENSG00000166035	27.61389263	1.538633308	0.40428118	3.805849453	0.000141318	0.000739861	LIPC	protein_coding
ENSG00000136960	52.30540986	1.540486478	0.306806853	5.021030219	5.14E-07	4.20E-06	ENPP2	protein_coding
ENSG00000135549	94.07966335	1.544049635	0.21777119	7.090238331	1.34E-12	2.16E-11	PKIB	protein_coding
ENSG00000115590	24.4898792	1.545157797	0.433689713	3.562818644	0.000366894	0.001758218	IL1R2	protein_coding
ENSG00000179314	127.9241372	1.55306788	0.208254285	7.457555472	8.81E-14	1.58E-12	WSCD1	protein_coding
ENSG00000165194	30.52221831	1.55508659	0.412529307	3.769639062	0.000163484	0.000842615	PCDH19	protein_coding
ENSG00000005249	203.3795661	1.572435246	0.151710065	10.3647391	3.59E-25	1.34E-23	PRKAR2B	protein_coding
ENSG00000164418	69.28017111	1.579151126	0.260856929	6.053705882	1.42E-09	1.63E-08	GRIK2	protein_coding
ENSG00000185008	26.07553982	1.580748425	0.415836379	3.801371176	0.000143898	0.000752645	ROBO2	protein_coding
ENSG00000204899	974.6450761	1.587060301	0.08124379	19.5345429	5.58E-85	1.57E-82	MZT1	protein_coding
ENSG00000016402	212.2150689	1.591197726	0.156173916	10.18862666	2.23E-24	8.03E-23	IL20RA	protein_coding
ENSG00000143125	19.92631682	1.591886496	0.474432434	3.355349218	0.000792649	0.00350413	PROK1	protein_coding
ENSG00000124875	22.01929353	1.592854532	0.443436526	3.592068849	0.000328063	0.001589766	CXCL6	protein_coding
ENSG00000268182	10.40430448	1.596221682	0.651723995	2.449229572	0.014316217	0.044623229	SMIM17	protein_coding
ENSG00000175707	30.05498753	1.600314064	0.402371518	3.977205122	6.97E-05	0.000390449	KDF1	protein_coding
ENSG00000081803	165.9121681	1.606380963	0.177962799	9.026498639	1.77E-19	4.75E-18	CADPS2	protein_coding
ENSG00000165443	275.0103593	1.606444634	0.127387393	12.61070348	1.84E-36	1.14E-34	PHYHIP1L	protein_coding
ENSG00000271503	1509.791349	1.607827159	0.068482011	23.47809493	6.83E-122	3.56E-119	CCL5	protein_coding
ENSG00000151090	50.44461842	1.607938376	0.296146374	5.429539294	5.65E-08	5.34E-07	THRB	protein_coding
ENSG00000273274	32.24685714	1.608822701	0.370408056	4.343379352	1.40E-05	9.05E-05	ZBTB8B	protein_coding
ENSG00000134049	434.9087313	1.610682369	0.103270007	15.59680696	7.65E-55	9.58E-53	IER3IP1	protein_coding
ENSG00000243978	133.825095	1.613953315	0.18334746	8.802703451	1.34E-18	3.37E-17	RTL9	protein_coding
ENSG00000164125	12.39053404	1.614605012	0.612317111	2.636877172	0.008367312	0.028089805	FAM198B	protein_coding
ENSG00000101938	81.46225136	1.61942731	0.241177915	6.714658377	1.89E-11	2.67E-10	CHRD1L	protein_coding
ENSG00000253313	38.87113254	1.622444637	0.346348703	4.684425333	2.81E-06	2.03E-05	C1orf210	protein_coding
ENSG00000109819	150.3915147	1.635016904	0.178361709	9.166860511	4.87E-20	1.35E-18	PPARGC1A	protein_coding
ENSG00000054219	30.15354715	1.638468891	0.397674849	4.120121993	3.79E-05	0.000223339	LY75	protein_coding
ENSG00000162817	55.68577754	1.649204994	0.283447366	5.818381787	5.94E-09	6.34E-08	C1orf115	protein_coding
ENSG00000185745	1549.211466	1.654892394	0.063962633	25.87279957	1.35E-147	1.09E-144	IFIT1	protein_coding
ENSG00000148584	42.40294295	1.658336994	0.335997147	4.935568676	7.99E-07	6.35E-06	A1CF	protein_coding
ENSG00000204291	41.73981618	1.66313111	0.330561533	5.031230025	4.87E-07	4.01E-06	COL15A1	protein_coding
ENSG00000133321	153.6991097	1.664672582	0.172429627	9.654214381	4.72E-22	1.50E-20	RARRES3	protein_coding
ENSG00000103460	226.483122	1.668103484	0.141475912	11.79072437	4.36E-32	2.29E-30	TOX3	protein_coding
ENSG00000137628	1428.560773	1.670761179	0.061112736	27.33900154	1.46E-164	1.52E-161	DDX60	protein_coding
ENSG00000162745	11.52794793	1.6730175	0.622383517	2.688081312	0.007186389	0.02457734	OLFML2B	protein_coding
ENSG00000115935	141.6990133	1.685831217	0.184730958	9.125872762	7.12E-20	1.95E-18	WIPF1	protein_coding
ENSG00000232237	16.98645035	1.690264741	0.572519357	2.952327673	0.003153881	0.011989891	ASCL5	protein_coding
ENSG00000185272	15.60453179	1.691794652	0.544725414	3.105775147	0.00189781	0.007640419	RBM11	protein_coding
ENSG00000275302	18.44717265	1.702705217	0.503910356	3.378984372	0.000727541	0.003244462	CCL4	protein_coding
ENSG00000169435	313.0246826	1.71749563	0.121823779	14.09819689	3.90E-45	3.40E-43	RASSF6	protein_coding

ENSG00000105696	13.82518712	1.723024621	0.581225142	2.964470214	0.003032046	0.011572916	TMEM59L	protein_coding
ENSG00000157404	54.33648649	1.727118583	0.300324054	5.750849982	8.88E-09	9.26E-08	KIT	protein_coding
ENSG00000170891	57.48404364	1.734127971	0.294335976	5.891661614	3.82E-09	4.17E-08	CYTL1	protein_coding
ENSG00000137965	496.2103868	1.735148631	0.0969939	17.8892552	1.43E-71	2.77E-69	IFI44	protein_coding
ENSG00000162654	53.72906553	1.737095667	0.299116283	5.807425955	6.34E-09	6.76E-08	GBP4	protein_coding
ENSG00000156113	297.5123676	1.739295523	0.124198221	14.00419033	1.47E-44	1.25E-42	KCNMA1	protein_coding
ENSG00000117114	220.2132639	1.740917717	0.155150481	11.2208335	3.22E-29	1.45E-27	ADGRL2	protein_coding
ENSG00000154252	28.85691515	1.744526627	0.42898789	4.066610433	4.77E-05	0.000275629	GAL3ST2	protein_coding
ENSG00000173175	27.6282787	1.755779671	0.401384035	4.374313675	1.22E-05	7.97E-05	ADCY5	protein_coding
ENSG00000197408	38.04693571	1.758485301	0.36350162	4.837627133	1.31E-06	1.00E-05	CYP2B6	protein_coding
ENSG00000254598	64.61802272	1.764854541	0.266823295	6.614319568	3.73E-11	5.11E-10	CSNK2A3	protein_coding
ENSG00000151224	20.27005144	1.775976741	0.486114246	3.653414307	0.000258776	0.001279858	MAT1A	protein_coding
ENSG00000215218	32.06536219	1.780531733	0.393253258	4.527697344	5.96E-06	4.13E-05	UBE2QL1	protein_coding
ENSG00000172116	30.34458728	1.781301117	0.442388601	4.026552926	5.66E-05	0.000322202	CD8B	protein_coding
ENSG00000188596	25.09871191	1.781778032	0.423732917	4.204955436	2.61E-05	0.000160093	CFAP54	protein_coding
ENSG00000272398	530.0840989	1.784381481	0.097413856	18.31753263	6.00E-75	1.29E-72	CD24	protein_coding
ENSG00000188282	10.543737	1.785770062	0.67871411	2.631107909	0.008510701	0.028496928	RUFY4	protein_coding
ENSG00000175445	146.5197943	1.791028916	0.181817927	9.850672855	6.81E-23	2.28E-21	LPL	protein_coding
ENSG00000139737	89.94354615	1.803314515	0.224399455	8.036180443	9.27E-16	1.92E-14	SLAIN1	protein_coding
ENSG00000268916	17.2385934	1.808017559	0.513168729	3.523241881	0.000426302	0.002011231	CSAG3	protein_coding
ENSG00000134668	43.60503955	1.808642765	0.327119355	5.528999553	3.22E-08	3.15E-07	SPOCD1	protein_coding
ENSG00000039068	438.5958602	1.814025655	0.113063551	16.04430112	6.27E-58	8.74E-56	CDH1	protein_coding
ENSG00000139874	48.11566369	1.820294872	0.316629161	5.74898049	8.98E-09	9.36E-08	SSTR1	protein_coding
ENSG00000171855	8.687627279	1.82248911	0.719488153	2.533035606	0.011307947	0.036412761	IFNB1	protein_coding
ENSG00000145287	24.9386017	1.837023452	0.431880387	4.253546834	2.10E-05	0.000131574	PLAC8	protein_coding
ENSG00000197705	19.64971059	1.840327521	0.494385112	3.722457401	0.000197293	0.000999239	KLHL14	protein_coding
ENSG00000173391	227.3817259	1.841523901	0.144542781	12.74033808	3.53E-37	2.25E-35	OLR1	protein_coding
ENSG00000176171	63.18289746	1.841615008	0.273710957	6.728320367	1.72E-11	2.44E-10	BNIP3	protein_coding
ENSG00000138152	32.5103986	1.852882121	0.383107114	4.836459709	1.32E-06	1.01E-05	BTBD16	protein_coding
ENSG00000183145	11.11561903	1.86873191	0.695045638	2.688646338	0.007174238	0.02454728	RIPPLY3	protein_coding
ENSG00000073756	12.05639405	1.881986417	0.621290084	3.029158946	0.002452356	0.009630488	PTGS2	protein_coding
ENSG00000005421	25.87483866	1.899012029	0.418250425	4.540370828	5.62E-06	3.90E-05	PON1	protein_coding
ENSG00000175311	59.4570329	1.913756804	0.280770559	6.81608789	9.36E-12	1.38E-10	ANKS4B	protein_coding
ENSG00000140279	28.99566772	1.914992959	0.407843039	4.695416559	2.66E-06	1.94E-05	DUOX2	protein_coding
ENSG00000115594	12.06545054	1.936761774	0.647323377	2.991954012	0.00277198	0.010724166	IL1R1	protein_coding
ENSG00000162882	12.66977198	1.939907793	0.613057885	3.164314238	0.001554489	0.006402985	HAAO	protein_coding
ENSG00000081479	67.7130594	1.948728558	0.26304219	7.408425856	1.28E-13	2.28E-12	LRP2	protein_coding
ENSG00000150556	16.60132746	1.953480044	0.529595964	3.688623362	0.000225471	0.0011289	LYPD6B	protein_coding
ENSG00000186810	11.75407961	1.954074696	0.621930467	3.141950425	0.001678264	0.006847157	CXCR3	protein_coding
ENSG00000111348	136.3898576	1.960952635	0.188641011	10.39515545	2.61E-25	9.80E-24	ARHGD1B	protein_coding
ENSG00000135697	38.13035213	1.961459047	0.356509564	5.501841305	3.76E-08	3.64E-07	BCO1	protein_coding
ENSG00000178538	42.38076419	1.96302495	0.334137204	5.874906851	4.23E-09	4.59E-08	CA8	protein_coding
ENSG00000116132	39.96061762	1.990394532	0.340163412	5.851289289	4.88E-09	5.26E-08	PRRX1	protein_coding
ENSG00000249693	7.20278594	1.991180678	0.80272699	2.480520403	0.013119076	0.041354634	THEGL	protein_coding

ENSG00000005981	85.86897161	1.991593413	0.238182348	8.361633148	6.19E-17	1.39E-15	ASB4	protein_coding
ENSG00000165621	39.3620903	1.99548652	0.351364306	5.679252231	1.35E-08	1.38E-07	OXGR1	protein_coding
ENSG00000104537	12.17970491	2.001084919	0.639767995	3.127829046	0.001761026	0.007155201	ANXA13	protein_coding
ENSG00000119411	12.05239872	2.007604871	0.619829483	3.238963178	0.001199651	0.005072202	BSPRY	protein_coding
ENSG00000160180	14.09834708	2.027353379	0.581856644	3.484283287	0.000493457	0.002294941	TFF3	protein_coding
ENSG00000168497	22.83638084	2.033680358	0.458141514	4.438978556	9.04E-06	6.05E-05	CAVIN2	protein_coding
ENSG00000136352	23.04710642	2.035921992	0.452517001	4.499106085	6.82E-06	4.67E-05	NKX2-1	protein_coding
ENSG00000132437	17.70426795	2.049699106	0.524333075	3.909154705	9.26E-05	0.000505062	DDC	protein_coding
ENSG00000205755	7.506801662	2.056626708	0.814934878	2.523670006	0.011613689	0.037219877	CRLF2	protein_coding
ENSG00000140873	29.82571469	2.161353935	0.429382502	5.033633012	4.81E-07	3.96E-06	ADAMTS18	protein_coding
ENSG00000102271	10.60833005	2.171921062	0.70891357	3.063731818	0.002185948	0.008671348	KLHL4	protein_coding
ENSG00000117228	48.54923446	2.179931653	0.319489139	6.823179208	8.90E-12	1.32E-10	GBP1	protein_coding
ENSG00000150594	14.54408204	2.182212148	0.59436626	3.671493981	0.000241137	0.001199387	ADRA2A	protein_coding
ENSG00000198734	150.3964063	2.206140013	0.195552758	11.28155917	1.62E-29	7.40E-28	F5	protein_coding
ENSG00000133048	392.9496282	2.232793732	0.116070699	19.23649768	1.83E-82	4.89E-80	CHI3L1	protein_coding
ENSG00000163017	12.05954775	2.237500834	0.714510821	3.131514272	0.001739073	0.007075483	ACTG2	protein_coding
ENSG00000198610	9.340092097	2.274963634	0.733449993	3.101729708	0.001923935	0.00773139	AKR1C4	protein_coding
ENSG00000106541	32.0125391	2.310969747	0.408885676	5.651872593	1.59E-08	1.61E-07	AGR2	protein_coding
ENSG00000139679	5.95588311	2.314119577	0.933583071	2.47875058	0.013184347	0.041524531	LPAR6	protein_coding
ENSG00000173068	80.7160857	2.376931695	0.259372074	9.164177404	4.99E-20	1.38E-18	BNC2	protein_coding
ENSG00000091129	195.618245	2.402732329	0.166816041	14.4034849	4.92E-47	4.69E-45	NRCAM	protein_coding
ENSG00000177599	25.52252053	2.412876357	0.445755591	5.413003019	6.20E-08	5.82E-07	ZNF491	protein_coding
ENSG00000276070	44.92744454	2.450673761	0.345505026	7.093019141	1.31E-12	2.12E-11	CCL4L2	protein_coding
ENSG00000149591	3416.685556	2.532917545	0.048782993	51.9221436	0	0	TAGLN	protein_coding
ENSG00000250799	11.43301103	2.56220688	0.708648336	3.615625338	0.000299623	0.001463378	PRODH2	protein_coding
ENSG00000079263	6.902272995	2.608579025	0.894034976	2.917759477	0.003525562	0.013230672	SP140	protein_coding
ENSG00000204099	25.33897851	2.621709689	0.474928878	5.520215369	3.39E-08	3.30E-07	NEU4	protein_coding
ENSG00000159167	33.25561417	2.718525784	0.417493065	6.511547169	7.44E-11	9.87E-10	STC1	protein_coding
ENSG00000106631	14.85284021	2.756308856	0.625684693	4.405268157	1.06E-05	6.99E-05	MYL7	protein_coding
ENSG00000283599	9.442680221	2.86073891	0.805321328	3.552294979	0.000381886	0.001821298	BX276092.9	protein_coding
ENSG00000124253	8.307059409	2.917662637	0.859224167	3.395694336	0.000684548	0.003070861	PCK1	protein_coding
ENSG00000172752	10.17106444	3.232041994	0.819652968	3.943183422	8.04E-05	0.00044388	COL6A5	protein_coding
ENSG00000105251	6.615105954	3.659682483	1.074885595	3.40471814	0.000662324	0.002978485	SHD	protein_coding