

Differential Gene Expression Analysis

ensembl_gene_id	baseMean	log2FoldChange	lfcSE	stat	pvalue	padj	external_gene_name
ENSG00000261992	101.797418905274	-10.1878791759499	3.90722486951341	-2.60744633753793	0.0091220367503452	0.0209696253494443	GATAD2B
ENSG00000205022	49.7885560966386	-9.15455048545347	1.22889129914088	-7.4494387679801	9.37381336499783e-14	6.1517612533819e-13	PABPN1L
ENSG00000198169	30.7042649597326	-8.46165930312887	1.31222717585125	-6.44831890304341	1.13097595919738e-10	6.20330639641886e-10	ZNF251
ENSG00000241863	17.1730373468367	-7.61271385573097	1.40750896612564	-5.40864324060826	6.3503986156984e-08	2.79677645327736e-07	RPP21
ENSG00000248871	13.1770910811921	-7.23644067072264	1.39523295276537	-5.18654655939707	2.1422948357464e-07	8.95619419951448e-07	TNFSF12-TNFSF13
ENSG00000152910	11.6516797255505	-7.06221664170938	1.36223292065773	-5.18429450251395	2.16834074435345e-07	9.05435015058697e-07	CNTNAP4
ENSG00000141052	19.6069362136876	-6.98366982065585	1.29920963901235	-5.37532174250553	7.64460497805297e-08	3.33593081373388e-07	MYOCD
ENSG00000064218	10.0245805073766	-6.84351168574327	1.38094326747961	-4.95567909768915	7.20780937324661e-07	2.86202455500632e-06	DMRT3
ENSG00000197888	18.566240901308	-6.75939008948528	1.28727926520682	-5.25091195996176	1.51348010114376e-07	6.43256401628563e-07	UGT2B17
ENSG00000168135	7.91890887672597	-6.5032424584815	1.43269133330512	-4.53917903131231	5.64736724494206e-06	2.05500771764978e-05	KCNJ4
ENSG00000187922	180.93305654795	-6.47370159249368	0.442924706858648	-14.6158060100261	2.22703096277057e-48	4.33938828701617e-47	LCN10
ENSG00000181085	18.2676710712446	-6.41545049566801	1.16411629708464	-5.51100479542687	3.56791001373876e-08	1.61076613369865e-07	MAPK15
ENSG00000182759	971.220846627632	-6.26600685189984	0.183447338468796	-34.156978804932	1.0533595290566e-255	2.35125847283343e-253	MAFA
ENSG00000169860	31.5825200395003	-6.05053292044313	0.937458536801794	-6.45418723380017	1.08801228346826e-10	5.97694972170694e-10	P2RY1
ENSG00000144339	110.83008437047	-5.84757487745418	0.467337184436601	-12.5125392803993	6.37531069018109e-36	9.51924036500028e-35	TMEFF2
ENSG00000281289	4.3490701039999	-5.6416066207025	2.48664881930193	-2.26875889225333	0.0232829920702807	0.0487103730453522	LSS
ENSG00000275918	4.31254035051739	-5.62796106419801	2.49311196209252	-2.25740405957314	0.023982838289796	0.0499661354445017	KIR3DX1
ENSG00000285132	3.90600185691709	-5.48738661665312	2.04192427445299	-2.68736048897951	0.00720191803687013	0.0168948546843379	CTSB
ENSG00000197921	3.73287587912525	-5.42210330408829	2.06224756413704	-2.62922037023095	0.00855808825922399	0.0197763501982906	HES5
ENSG00000140368	27.8523754857102	-5.29157032142037	0.788788993126728	-6.70847383461171	1.96670425313273e-11	1.13336152940335e-10	PSTPIP1
ENSG00000205457	3.35060317219751	-5.2622540588823	1.81732082611952	-2.89561093630267	0.0037842124744113	0.0093565343204948	TP53TG3C
ENSG00000187848	3.32791043983941	-5.26011620267872	1.77501391332017	-2.96342251922953	0.00304238643507912	0.00764999891575435	P2RX2
ENSG00000135902	7.47805570995783	-5.20155880305394	1.43923410985945	-3.61411584635241	0.000301374296659091	0.000888255782598431	CHRNA
ENSG00000181201	6.15930311236693	-5.13740116999978	1.4782582211232	-3.47530701780662	0.000510268987240463	0.00145529408393956	H2BC27P
ENSG00000188916	3.05404571225367	-5.12399885527191	1.78721315750328	-2.86703286273367	0.00414339985636649	0.0101676472400733	INSYNA
ENSG00000283297	3.01344034218644	-5.10800635748539	1.7876835453686	-2.85733253557031	0.00427218002549046	0.0104560197875779	TEX52
ENSG00000115252	128.332075181797	-5.04759964267406	0.361863263820272	-13.9489142649779	3.19431101073212e-44	5.74194499115701e-43	PDE1A
ENSG00000150361	27.1069788912175	-5.01199626929971	0.791008353526994	-6.33621155446959	2.3548340349305e-10	1.26446843398186e-09	KLHL1
ENSG00000103742	340.623760530767	-4.96772257865404	0.223495581788782	-22.2273860578992	1.86693723789667e-109	1.21035188430404e-107	IGDCC4
ENSG00000152207	24.7646662817798	-4.95126795196386	0.789695382049824	-6.26984539166454	3.61406776008542e-10	1.91440285014558e-09	CYSLTR2
ENSG00000124568	5.24272045332168	-4.9041910747795	1.61254833594609	-3.04126764169347	0.00235584318896928	0.00604436764066408	SLC17A1
ENSG00000144227	2.60788464366744	-4.90294550498812	1.88962378396769	-2.59466754524718	0.00946824535356032	0.02169196291603	NXP
ENSG00000204539	2.53726097216084	-4.85658225049447	1.97392157118436	-2.4603724491346	0.0138792897238038	0.030604901211649	CDSN
ENSG00000273808	40.6845518674824	-4.83363903925974	1.46181611140308	-3.30659855337094	0.000944361241437441	0.00258023956174587	ABCC6P2
ENSG00000171551	1346.23371107969	-4.83336517268824	0.106904627429863	-45.2119359927543	0	0	ECEL1
ENSG00000276429	115.583692203742	-4.82544362659467	0.393808492251434	-12.253274679292	1.61346734725876e-34	2.31504338499275e-33	PLCH2
ENSG00000168497	2.42434113588594	-4.79842241214167	1.95722773838206	-2.45164235006616	0.014220592657042	0.0312675724332018	CAVIN2
ENSG00000166763	2.41946821219928	-4.79589787143668	1.94421500297694	-2.46675283551115	0.0136344434072187	0.0301403754598087	STRCP1
ENSG00000187135	4.71000744615174	-4.74662559727032	1.55710369820532	-3.04836832816026	0.00230087720689531	0.00591539126204868	VSTM2B
ENSG00000081189	7.05105708485516	-4.74112225196443	1.44746564059535	-3.27546445248565	0.0010548838902003	0.00285961914216635	MEF2C
ENSG00000176884	11.9665066145029	-4.73199046491374	1.151852664679	-4.10815602552126	3.98830645385147e-05	0.000131654429066299	GRIN1
ENSG00000225614	4.62848554428057	-4.71937140337225	1.58133220270112	-2.98442755754354	0.00284109467719119	0.0071889601861945	ZNF469
ENSG00000206432	3.62597354917994	-4.717012703729	1.9560488701993	-2.4115004362076	0.0158870328474789	0.0345781211099041	TMEM200C
ENSG00000164175	11.318697224414	-4.70634492520188	1.20748671698877	-3.8976370166113	9.71358656326187e-05	0.000305928532696124	SLC45A2
ENSG00000237412	2.25282565723356	-4.69242110802542	1.97036395433508	-2.38149967050576	0.0172423061910913	0.0371927617582513	PRSS56
ENSG00000282872	20.3197276445715	-4.67607396777094	0.842773957996322	-5.5484319649461	2.88243007235989e-08	1.31272654690068e-07	C1orf232
ENSG00000273738	12.785263951439	-4.64773602975726	1.23287564755651	-3.76983359105909	0.000163356430619452	0.000499242165952064	FCAR
ENSG00000187800	31.1735127488768	-4.63721750986528	0.605936021214893	-7.65298207650327	1.96371292062686e-14	1.33647679051849e-13	PEAR1
ENSG00000185269	82.3459383438004	-4.60696842964196	0.424053811080477	-10.8641127830063	1.70875973561834e-27	1.96173627460246e-26	NOTUM
ENSG00000125533	2.1156790801345	-4.59871851496431	1.98661506769984	-2.31485132159439	0.0206210701460787	0.0436900097267754	BHLHE23
ENSG00000154736	52.8085150188132	-4.58330307769958	0.529324896867364	-8.65877102102009	4.7687766376063e-18	3.85215791239347e-17	ADAMTS5
ENSG00000108878	2.08582012843401	-4.5808017520952	2.00576766214419	-2.28381474013708	0.02238242101858	0.0470262852664887	CACNG1
ENSG00000205795	365.30605178722	-4.56787398713915	0.195050356162416	-23.4189471734957	2.74039219419503e-121	2.10104678054066e-119	CYS1
ENSG00000198835	318.927158235894	-4.52872045095547	0.204317057542523	-22.1651608799865	7.45033095429851e-109	4.77742312902181e-107	GJC2
ENSG00000153789	195.683299202616	-4.52291109629447	0.294262365154366	-15.3703348843873	2.58827862574438e-53	5.72668824170343e-52	CIBAR2
ENSG00000184524	28.0916547582341	-4.34485142583033	0.667008000719457	-6.51394199341511	7.32037759121883e-11	4.06574924231663e-10	CEND1
ENSG00000174912	3.31372594276728	-4.21256668432413	1.68196819434203	-2.50454598279253	0.012260866667856	0.0274132271866329	METTL15P1
ENSG00000130635	5.78909936101623	-4.16193222926365	1.40978277684077	-2.95217979509599	0.00315539143532138	0.00791946663399619	COL5A1
ENSG00000182685	181.184048937525	-4.16181709059728	0.256100918833405	-16.2506917568092	2.20858249350437e-59	5.5557979586956e-58	BRICD5
ENSG00000137834	30.0101745318365	-4.11538077811816	0.601161894228038	-6.84571130943486	7.60968013274306e-12	4.50147935125096e-11	SMAD6
ENSG00000134917	17.2753390864884	-4.07350248979538	0.823435398448067	-4.94696062067861	7.53812187072223e-07	2.98645789863662e-06	ADAMTS8
ENSG00000169554	20.0427364477636	-4.06056505216976	0.793178897486947	-5.1193558792789	3.06580951882639e-07	1.26225741431204e-06	ZEB2
ENSG00000182132	3.24102452070593	-4.05388393246425	1.72292309526272	-2.35291055277548	0.0186271142474299	0.0398919762738861	KCNIP1

ENSG00000086967	34.7266414206638	-4.04675547058527	0.783543758862874	-5.16468343319863	2.40846185602771e-07	1.0011979342101e-06	MYBPC2
ENSG00000099769	267.669194826092	-4.04001258558942	0.191632031735774	-21.0821361595741	1.16026886581781e-98	6.27612919626728e-97	IGFALS
ENSG00000151812	5.59727716677931	-4.00132877757241	1.61182588187852	-2.48248202399445	0.0130470650592398	0.0289435080204597	SLC35F4
ENSG00000120693	349.835693253961	-3.9905654445889	0.179376850884852	-22.2468251890016	1.21065139879518e-109	7.87772205400524e-108	SMAD9
ENSG00000176438	231.625661337525	-3.98656215303142	0.226228717281725	-17.6218218488456	1.67522020797122e-69	5.33228035150984e-68	SYNE3
ENSG00000265972	73.3922129484751	-3.96720004892003	0.38872206261876	-10.2057496355973	1.86872460929319e-24	1.94643176374932e-23	TXNIP
ENSG00000185347	142.777000366899	-3.958540483501	0.269554930423702	-14.6854686622824	7.98800072847401e-49	1.57915252069407e-47	TEDC1
ENSG00000101200	5.19054145505989	-3.95001999566368	1.38070422019141	-2.8608734136527	0.00422475701772246	0.0103485713641503	AVP
ENSG00000166960	4.77806214554916	-3.93404487960105	1.50060866415652	-2.62163279045996	0.00875096635620968	0.0201718353889414	CCDC178
ENSG00000111186	174.868034161653	-3.93238818684223	0.253704368827297	-15.4998836047601	3.47521146506182e-54	7.90733922256776e-53	WNT5B
ENSG00000107736	297.807712715336	-3.88644626400103	0.195336664261382	-19.8961433005764	4.39470933694762e-88	1.98200267129755e-86	CDH23
ENSG00000072163	9.82215000441102	-3.88307800349272	0.997456992902615	-3.89297787385589	9.90211867729657e-05	0.000311421367496786	LIMS2
ENSG00000198785	46.4453582312553	-3.86939361138109	0.469057560358482	-8.24929377201355	1.59333312410244e-16	1.20639056721436e-15	GRIN3A
ENSG00000175161	28.2217521617709	-3.84264981860608	0.731723703450033	-5.2515038128302	1.50862409972913e-07	6.41501745228441e-07	CADM2
ENSG00000167701	75.6904344451871	-3.84049628483605	0.366042367154953	-10.4919447294752	9.40719251156829e-26	1.02589012213355e-24	GPT
ENSG00000171812	34.2314543057557	-3.83040418550903	0.561195696161653	-6.82543400048756	8.76598958157928e-12	5.15952804678134e-11	COL8A2
ENSG00000231007	4.43302954534249	-3.76715849575122	1.51727109999138	-2.48285128199741	0.0130335488801836	0.0289208004219401	CDC20P1
ENSG00000101204	40.8161847865457	-3.76680993310387	0.459246856473661	-8.20214636204027	2.36132555578778e-16	1.77416339372654e-15	CHRNA4
ENSG00000285815	8.70752667456338	-3.7487254012964	1.62381284082541	-2.30859450488817	0.0209660931665286	0.0443357820960026	GET1-SH3BGR
ENSG00000187957	6.78467327048166	-3.73464870368524	1.1441300925253	-3.26418186890112	0.00109780671970494	0.00296549076214415	DNER
ENSG00000112936	5.30734940220472	-3.72372376626456	1.3658899768655	-2.72622526655471	0.0064063259657283	0.0151473789326432	C7
ENSG00000182631	40.4231689516012	-3.70839976837228	0.493487737648018	-7.51467460173713	5.70526594155509e-14	3.79361461588923e-13	RXFP3
ENSG00000158055	112.268296425668	-3.6942123524619	0.308352516344514	-11.9804838833696	4.49691218926335e-33	6.2243759454843e-32	GRHL3
ENSG00000243364	22.7649371628541	-3.6918400343803	0.649657474591225	-5.68274849250871	1.32547122437483e-08	6.22128282422832e-08	EFNA4
ENSG00000091137	36.6820575374323	-3.68098902933592	0.537692847040586	-6.84589547656391	7.59989556761939e-12	4.49870958171871e-11	SLC26A4
ENSG00000150594	258.971521265959	-3.67119076106881	0.19713859925715	-18.6223843270798	2.1158030100932e-77	7.82181766875962e-76	ADRA2A
ENSG00000160401	58.9454630000719	-3.66161284336817	0.406210726696125	-9.01407226035005	1.98543781263398e-19	1.68973023108049e-18	CFAP157
ENSG00000198435	38.4673387293102	-3.65726279269079	0.484018222599135	-7.55604359904388	4.1551461596723e-14	2.78600180150804e-13	NRARP
ENSG00000138735	1173.80283883881	-3.65440302164906	0.114837660409948	-31.8223395409098	3.17814835276464e-222	5.77767711883006e-220	PDE5A
ENSG00000184207	766.172211852006	-3.63641525824545	0.114318290231046	-31.8095665260211	4.77352519436634e-222	8.58942278341389e-220	PGP
ENSG00000135272	586.194426056213	-3.6144607765824	0.143752052148941	-25.1437160203979	1.65553688148571e-139	1.52050715458953e-137	MDFIC
ENSG00000146938	5.17841495368095	-3.61007482024212	1.42472738709483	-2.53387058671164	0.0112810385449335	0.0253769401328432	NLGN4X
ENSG00000160472	27.085314315209	-3.58351455053389	0.607318920614797	-5.90054817805817	3.62295803628295e-09	1.78905746322637e-08	TMEM190
ENSG00000068489	269.637500096843	-3.55424413851464	0.189371509981748	-18.7686317696743	1.3635216006202e-78	5.12672492651101e-77	PRR11
ENSG00000178726	32.1318737804581	-3.55073471015902	0.522944647099374	-6.78988632899092	1.12221930010556e-11	6.56794395554645e-11	THBD
ENSG00000249715	155.315426427051	-3.51944857755358	0.262959010755924	-13.3840196897466	7.49801161566973e-41	1.25564992241899e-39	FER1L5
ENSG00000278023	11.660600868174	-3.47691809977872	0.949791392660663	-3.66071763404676	0.00025150981611364	0.000749429553455208	RDM1
ENSG00000254126	5.18891124627141	-3.4664920725252	1.30903354681604	-2.64813081449038	0.00809381992015657	0.0187971052906678	CD8B2
ENSG00000188039	88.0962026901782	-3.41752894145272	0.308063067133653	-11.0936016227159	1.347508869009433e-28	1.61536153916543e-27	NWD1
ENSG00000184709	11.2016099524142	-3.41646907035143	0.915730837261373	-3.73086602671248	0.0001908226845757	0.000578173061822663	LRRC26
ENSG00000160097	143.942579616929	-3.41284340287516	0.291615288890548	-11.7032389346229	1.22679824361796e-31	1.60842826973673e-30	FNDC5
ENSG00000146360	25.6272083198408	-3.41101331667459	0.586569829396218	-5.81518711964047	6.05660973464359e-09	2.92769342271669e-08	GPR6
ENSG00000267909	9.26850143420577	-3.40884930605916	0.952714746869127	-3.57803772562726	0.000346183493086781	0.00101237142903687	CCDC177
ENSG00000189409	65.2891185909699	-3.38831373886501	0.433772020024183	-7.81127777369344	5.6611094688468e-15	3.94109768549721e-14	MMP23B
ENSG00000175894	329.735176620573	-3.38162964735742	0.164621404268472	-20.5418588329042	9.10118446085652e-94	4.37303233740446e-92	TSPEAR
ENSG00000139445	17.6180430494284	-3.35618935667116	0.772778750788229	-4.34301454749871	1.40540823925715e-05	4.89201912575219e-05	FOXN4
ENSG00000196932	94.842958428598	-3.35101563462165	0.310039587517393	-10.8083476095892	3.14279997535561e-27	3.58706373886219e-26	TMEM26
ENSG00000130037	8.83951648761164	-3.35059091614527	0.983062188512827	-3.40832040464706	0.000653640961601329	0.00183306372723884	KCNA5
ENSG00000183150	8.5002313939326	-3.35039522111477	1.14397867031615	-2.92872175683909	0.00340358949786724	0.00848443556762664	GPR19
ENSG00000124772	26.2066779065325	-3.33511994816004	0.614303737887354	-5.42910573787134	5.66371227164073e-08	2.51065616385401e-07	CPNE5
ENSG00000102854	14.9525453441447	-3.33409939197296	0.78986309350055	-4.22111049295486	2.43101731498675e-05	8.24553939843745e-05	MSLN
ENSG00000215784	121.427699351457	-3.33246043098148	0.279176578260739	-11.9367478881739	7.61424461578244e-33	1.04652836753474e-31	FAM72D
ENSG00000010327	13.4515591950535	-3.31996693748903	0.877720043035614	-3.78248960341255	0.000155267580382937	0.000475840895459281	STAB1
ENSG00000141574	100.855874772306	-3.31637551513346	0.352635140371439	-9.40455200136958	5.22523243676085e-21	4.75447620174617e-20	SECTM1
ENSG00000108001	364.626039228062	-3.29560532921742	0.177606354363269	-18.5556724084135	7.33833860373617e-77	2.69592214454758e-75	EBF3
ENSG00000171388	16.8739222576442	-3.29166586778801	0.715499921817321	-4.60051184831356	4.21454046104428e-06	1.55642317256659e-05	APLN
ENSG00000023191	26.7619977985214	-3.28715405696895	0.720927354056271	-4.55961899416619	5.12465123220676e-06	1.87175020357775e-05	RNH1
ENSG00000267023	9.4211139843182	-3.27471023222786	1.19455406666664	-2.74136627517062	0.00611842603175834	0.0145153134190807	LRRC37A16P
ENSG00000117152	498.573408046639	-3.26670368085578	0.144605102869316	-22.5905145533349	5.37183816091417e-113	3.65741290075523e-111	RGS4
ENSG00000128045	30.4791745406479	-3.26308662873914	0.517034856740568	-6.31115404734977	2.76962335787963e-10	1.47774699827078e-09	RASL11B
ENSG00000141668	119.537644335243	-3.22325365284022	0.287796860250009	-11.1997526659609	4.08873424215187e-29	4.99312601288823e-28	CBLN2
ENSG00000171956	114.403363059533	-3.22134509505927	0.283186399557956	-11.3753524183636	5.54783089985215e-30	6.92850213087768e-29	FOXB1
ENSG00000111305	144.852885235346	-3.20810437915383	0.230408498457384	-13.923550566201	4.55692259358391e-44	8.1332766209776e-43	GSG1
ENSG00000227144	7.5166827369489	-3.17886776107925	1.33070713504157	-2.38885602802449	0.016900923973957	0.0365413061987197	VWA7
ENSG00000198569	333.538513080861	-3.16854634271482	0.159807184563191	-19.8273084616036	1.73055706214959e-87	7.68681189771938e-86	SLC34A3

ENSG00000167767	256.940438419022	-3.16262376080977	0.195391550669002	-16.1860825096134	6.3228032757609e-59	1.57926788901937e-57	KRT80
ENSG00000080644	122.774560977309	-3.15735495549527	0.277095684679293	-11.3944573303246	4.45597669658742e-30	5.58073104173455e-29	CHRNA3
ENSG00000226981	6.11437807370888	-3.10859660109413	1.10155058495048	-2.82201892819464	0.00477223605320868	0.0115659167897584	ABHD17AP6
ENSG00000262655	467.153607727344	-3.08778445950968	0.142785866808252	-21.6252807685531	1.03883407640518e-103	6.16794616273699e-102	SPON1
ENSG00000269699	5.1168673020415	-3.08040486017438	1.2263298794993	-2.51188926541698	0.0120086763690971	0.0268902855990678	ZIM2
ENSG00000164104	1668.18893560339	-3.05629129261185	0.085539939973669	-35.7294065620416	1.38188302993506e-279	3.6921402045265e-277	HMGB2
ENSG00000114541	538.460423178428	-3.05607533178828	0.131279362180535	-23.2791756528003	7.20672201048689e-120	5.40780152906067e-118	FRMD4B
ENSG00000134198	757.249968925107	-3.05502115816716	0.130711150724832	-23.3723071155457	8.17647208377578e-121	6.16170550108129e-119	TSPAN2
ENSG00000150672	320.039526894327	-3.05383399446576	0.206405723402518	-14.7952970689209	1.5708924786614e-49	3.16584205356745e-48	DLG2
ENSG00000158402	116.598478998627	-3.0446593106	0.301915203066709	-10.0844849138891	6.47036424787735e-24	6.56492538245507e-23	CDC25C
ENSG00000167183	342.823655276512	-3.04464537446908	0.168497206341785	-18.0694115977996	5.55024738257221e-73	1.90785696577541e-71	PRR15L
ENSG00000215914	39.0750099009521	-3.03201301326777	0.446461285921058	-6.79121148659659	1.11195776820646e-11	6.5143731842368e-11	MMP23A
ENSG00000130829	369.76714110696	-3.030670404441	0.142471007410528	-21.2721904584289	2.05458946194739e-100	1.16123815935834e-98	DUSP9
ENSG00000140534	238.036393264472	-3.03063193381076	0.187725623937978	-16.1439438593212	1.25274433483013e-58	3.09830204774116e-57	TICRR
ENSG00000118495	13570.2638247663	-3.00874243973322	0.0343037423308341	-87.7088689250326	0	0	PLAGL1
ENSG00000188610	104.581580298419	-2.99311649940386	0.295538983004278	-10.1276537835299	4.16523649103518e-24	4.29029090437584e-23	FAM72B
ENSG00000233198	18.065269203219	-2.96870039620614	0.64793846097305	-4.58176289110521	4.61072504780337e-06	1.69386511443676e-05	RNF224
ENSG00000121905	765.990388541917	-2.95196125463337	0.131684684589315	-22.416891256866	2.69352900561705e-111	1.81288894981111e-109	HPCA
ENSG00000242110	1097.86329703596	-2.95150552234305	0.127335402097263	-23.1789861557008	7.4189409389718e-119	5.45106685490953e-117	AMACR
ENSG00000184260	6.68642697329553	-2.94362089455886	1.10930564342223	-2.65357064756087	0.00796450962132195	0.018526073428623	H2AC20
ENSG00000183346	4.78283664587177	-2.92449036200275	1.22173818336912	-2.39371282801201	0.0166788017612484	0.0361230643893213	CABCOCO1
ENSG00000102048	367.546813198411	-2.91876241473581	0.152424368377638	-19.1489224839984	9.88101125892393e-82	4.01478692488167e-80	ASB9
ENSG00000075461	2197.3441039836	-2.9146741604525	0.0855416826451345	-34.0731450484074	1.84383287496817e-254	4.01409245891218e-252	CACNG4
ENSG00000159450	6.74308847007882	-2.89799395755824	1.01749149085387	-2.84817512835047	0.00439707207231349	0.0107300594575135	TCHH
ENSG00000129965	18.7960463816993	-2.88057695666678	0.61488006711642	-4.68477856206287	2.80262765936758e-06	1.05196969232201e-05	INS-IGF2
ENSG00000182628	577.518705623381	-2.87925926714935	0.150941142204377	-19.0753774954929	4.04491247269535e-81	1.61375535166312e-79	SKA2
ENSG00000248746	6.68881223554828	-2.87372288987127	1.04046484390559	-2.76196058588985	0.00574554139160335	0.0136988746483956	ACTN3
ENSG00000213347	316.350364624037	-2.87192278795989	0.151696615102008	-18.9320162880937	6.21378637734302e-80	2.42420152606343e-78	MXD3
ENSG00000117724	2255.23727695594	-2.85783510361979	0.210837607503485	-13.5546743176383	7.43413714924643e-42	1.26660458444262e-40	CENPF
ENSG00000178999	442.089594497346	-2.84704442009889	0.173671992773315	-16.3932271095374	2.13787282065059e-60	5.5035400466208e-59	AURKB
ENSG00000196550	72.948899518796	-2.84020698297144	0.38260284590703	-7.42338174782316	1.14167101129985e-13	7.45638022713388e-13	FAM72A
ENSG00000132475	2487.75500172328	-2.8369759534402	0.057059948489025	-49.7192168686565	0	0	H3-3B
ENSG00000129173	184.206006853844	-2.82538897099807	0.20751402726297	-13.6154119712477	3.24311775306594e-42	5.57399010307649e-41	E2F8
ENSG00000254858	151.450864401174	-2.82482745923762	0.234575805148932	-12.0422797118575	2.1298719821295e-33	2.97608260957778e-32	MPV17L2
ENSG00000162571	11.3648519251688	-2.81513589660118	0.923967359987419	-3.04679149774242	0.00231298089114342	0.00594314707487897	TTLL10
ENSG00000074211	287.39905411089	-2.81333900379832	0.168528575838831	-16.6935428593949	1.46041266472126e-62	3.93174304270149e-61	PPP2R2C
ENSG00000171320	362.557964428507	-2.81133834271298	0.168755183144456	-16.6592710832855	2.59163697957494e-62	6.90346321719404e-61	ESCO2
ENSG00000183833	130.826834910484	-2.80476897865648	0.276593518303431	-10.1404002373605	3.65598569313669e-24	3.77678100250571e-23	CFAP91
ENSG00000161860	8.71022314079245	-2.80342777558093	1.07743115560172	-2.60195536485603	0.00926939155921439	0.0212778509184049	SYCE2
ENSG00000117115	27.0896450434955	-2.80300958768742	0.525821101573792	-5.33072860578999	9.78195106457129e-08	4.22885327464207e-07	PADI2
ENSG00000158748	7.62443721830171	-2.78982416490283	0.95690426730253	-2.91546841228665	0.00355155056762842	0.00881588439042223	HTR6
ENSG00000233076	94.846343298875	-2.78097956157831	0.344095366960444	-8.08200234180428	6.37118815160847e-16	4.67344142535207e-15	DDAH2
ENSG00000144481	75.5594222825552	-2.77779103419712	0.379318333979141	-7.32311303030734	2.422835583958e-13	1.55361027954601e-12	TRPM8
ENSG00000180549	10.9548805299925	-2.77617449194483	0.829018641002121	-3.34874797096116	0.000811776020499148	0.00224089830079555	FUT7
ENSG00000117425	90.3185560611409	-2.77605059844819	0.280804809911886	-9.88605073865823	4.78534911380839e-23	4.69587347094586e-22	PTCH2
ENSG00000105011	749.084314301367	-2.77336855269042	0.102843558273273	-26.9668669506856	3.61787767598611e-160	3.93812684804562e-158	ASF1B
ENSG00000137804	904.216216004728	-2.77214133616186	0.105129751279275	-26.3687614821585	3.1277807335034e-153	3.20670264270924e-151	NUSAP1
ENSG00000106018	5.86794766146645	-2.77108108420442	1.07340162802289	-2.58158830009277	0.00983468290129927	0.0224236873909376	VIPR2
ENSG00000131747	5150.0387164172	-2.75737947140002	0.0676542449417621	-40.756932159595	0	0	TOP2A
ENSG00000129993	559.366441363207	-2.75150875264342	0.13197985384464	-20.8479451407966	1.59110095882178e-96	8.25219832584215e-95	CBFA2T3
ENSG00000143847	134.517019229756	-2.75136278602981	0.266965261223481	-10.3060704356085	6.61510759554388e-25	7.04838715044235e-24	PPFIA4
ENSG00000100918	1634.74933114947	-2.73471777447395	0.0761003474978465	-35.9356805112005	8.47160089949871e-283	2.29828015787323e-280	REC8
ENSG00000237649	828.640386948782	-2.73468984419763	0.105719703208509	-25.8673621018784	1.55198581652347e-147	1.50372076310851e-145	KIFC1
ENSG00000132334	217.617104926992	-2.73021755241064	0.21042084962653	-12.9750334021388	1.69522429264152e-38	2.68344570704134e-37	PTPRE
ENSG00000115257	17.6725937057136	-2.71509495711848	0.702763938171367	-3.86345230545454	0.000111795729270355	0.000349354224694921	PCSK4
ENSG00000166265	57.5443298994952	-2.71150905477948	0.377542980048637	-7.18198774197886	6.87050831302415e-13	4.29930956678026e-12	CYYR1
ENSG00000278599	13.4377265101748	-2.71144322855259	0.87502193342746	-3.09871458642399	0.00194362160644632	0.0050506665794392	TBC1D3E
ENSG00000157851	1671.54735995776	-2.71110184619274	0.0774035469841326	-35.0255505312762	9.1899671463745e-269	2.21994357067353e-266	DPYSL5
ENSG00000005513	25.5414421377646	-2.70576025449925	0.564094608235352	-4.79664264645896	1.61347069748672e-06	6.20274714859902e-06	SOX8
ENSG00000111913	7.29225354113321	-2.70288389203321	1.06494863317337	-2.5380415616658	0.0111474745042223	0.0251374124561964	RIPOR2
ENSG00000154920	136.482776124681	-2.69538744330666	0.224887465820424	-11.9854943158947	4.23311667702591e-33	5.87769917186417e-32	EME1
ENSG00000112984	497.013026272744	-2.69436575084491	0.151304739209327	-17.8075436693183	6.17613890008275e-71	2.02811980193779e-69	KIF20A
ENSG00000276043	1029.95882306415	-2.6874643172488	0.086387311263654	-31.1094798291229	1.79290558628756e-212	2.92741639894397e-210	UHRF1
ENSG00000169302	144.860199312295	-2.66981625330852	0.265841788656143	-10.0428765048742	9.87516263057424e-24	9.95077816157406e-23	STK32A
ENSG00000116176	17.716378942556	-2.66172329122327	0.714053392600911	-3.72762501908723	0.000193292683628972	0.00058495335217321	TPSG1



ENSG00000184163	8.19977908606656	-2.65757616595086	0.934182218050095	-2.84481562012386	0.0044437137219391	0.0108337408782903	C1QTNF12
ENSG00000253457	25.5430407682962	-2.65479533888465	0.525172792354242	-5.05508925354595	4.30189535930837e-07	1.74229726150767e-06	SMIM18
ENSG00000162510	20.0406949595859	-2.64738376014901	0.603342325060374	-4.38786349007439	1.14469582234023e-05	4.01622883628087e-05	MATN1
ENSG00000004776	24.1652167068343	-2.64647939730275	0.531893106484372	-4.97558506594503	6.50508589728848e-07	2.5911607118316e-06	HSPB6
ENSG00000122966	650.607479314516	-2.64332345431718	0.1501111479224	-17.6091082567942	2.09723038729049e-69	6.65153968515837e-68	CIT
ENSG00000137807	405.415681540002	-2.64241655053676	0.159226784119636	-16.5953018843323	7.53639399211016e-62	1.98947262959387e-60	KIF23
ENSG00000137812	667.252521984845	-2.63848779445588	0.121330919145309	-21.7462112134497	7.50259708350184e-105	4.53084921131752e-103	KNL1
ENSG00000163273	28.8968705945768	-2.63785373092562	0.489763430625681	-5.38597528107747	7.20528656491123e-08	3.15280454803089e-07	NPPC
ENSG00000117971	324.11811167115	-2.6335796760395	0.146053151611532	-18.0316524976073	1.09955820082501e-72	3.75040799097643e-71	CHRNA4
ENSG00000163808	399.017605305964	-2.63091279425287	0.170454476345614	-15.4346946507783	9.56520322586571e-54	2.14323753093921e-52	KIF15
ENSG00000095464	10.1016473685805	-2.62152443034706	0.815912068293259	-3.21299871912768	0.00131356875380553	0.00350483755554648	PDE6C
ENSG00000231247	15.2377168557404	-2.62116916773846	1.10783641140114	-2.36602547159767	0.0179802073209581	0.0386473642001189	PPP1R18
ENSG00000080493	13.2515758987929	-2.61684670546369	0.741445360232147	-3.52938577246522	0.0004165254735623	0.00120410003291764	SLC4A4
ENSG00000276710	32.966986309943	-2.61497906352127	0.77720350175198	-3.36460020783046	0.000766546428036065	0.00212669598992888	CSPG4P10
ENSG00000186185	474.72102967062	-2.61133544800856	0.136973091178169	-19.0645872524833	4.97185201477181e-81	1.97463149613707e-79	KIF18B
ENSG00000172575	54.0040834866164	-2.60635327398753	0.429367105249028	-6.07022112808543	1.27734245367521e-09	6.51001642430885e-09	RASGRP1
ENSG00000035499	198.740772204584	-2.59883928239467	0.220527378758697	-11.7846559326239	4.6832871090967e-32	6.26593967236807e-31	DEPDC1B
ENSG00000184661	232.094428012323	-2.58948071255799	0.180416820953885	-14.3527676569574	1.02368990141796e-46	1.93273530209896e-45	CDCA2
ENSG00000237344	17.0239364375239	-2.58847029541045	0.750970704686542	-3.44683258515508	0.000567199946164849	0.0016075223160834	PBX2
ENSG00000183508	375.143926989752	-2.58264502022747	0.145864188472399	-17.7058196893624	3.78135175406685e-70	1.22349278589385e-68	TENT5C
ENSG00000165449	512.633697445061	-2.57872074180596	0.121919647181237	-21.1509859274168	2.7023466450341e-99	1.49383011719534e-97	SLC16A9
ENSG00000109674	156.334620598752	-2.57262859905315	0.207546352352104	-12.3954411624092	2.76619176846997e-35	4.03465886229938e-34	NEIL3
ENSG00000101955	41.7906072871434	-2.57091300337152	0.393903418147463	-6.52675982214773	6.72076849178944e-11	3.73861298372918e-10	SRPX
ENSG00000174371	328.687197748129	-2.56593160328893	0.176080845097283	-14.5724630176058	4.20454209271367e-48	8.16551709943974e-47	EXO1
ENSG00000186188	109.381787813997	-2.56314393495624	0.24873228453308	-10.3048301098821	6.70099730984053e-25	7.13559097594975e-24	FFAR4
ENSG00000179954	95.6357257571595	-2.55903474930268	0.29245663996427	-8.75013386461818	2.1309980844652e-18	1.74456918391176e-17	SSC5D
ENSG00000170775	46.1571907344786	-2.55611203611822	0.398168834603096	-6.41966877861302	1.365711648613e-10	7.44680247731651e-10	GPR37
ENSG00000070031	402.563721146968	-2.54853821616243	0.147633331049574	-17.2626208325994	8.99347509703622e-67	2.68343383859791e-65	SCT
ENSG00000091704	356.446955701185	-2.51461540151449	0.151797599998368	-16.5655807571498	1.23581152735386e-61	3.25258216020267e-60	CPA1
ENSG00000171848	5099.09314112981	-2.51460678255517	0.0611530757453191	-41.1198742157731	0	0	RRM2
ENSG00000007968	285.052040473558	-2.51116861522752	0.156611245731933	-16.0344080240944	7.34804576710161e-58	1.79716281632552e-56	E2F2
ENSG00000204121	20.2313632020093	-2.51033641140726	0.572953517628658	-4.38139628114519	1.17921174986013e-05	4.13486180096114e-05	ECCL1P1
ENSG00000169962	162.31362569043	-2.50805300677387	0.212976533082837	-11.7761941678259	5.17785934055693e-32	6.91714936449855e-31	TAS1R3
ENSG00000151388	9.7764212141754	-2.50769133017562	0.946998055128682	-2.64804274580571	0.00809592877246399	0.0187995269915236	ADAMTS12
ENSG00000075429	46.6470675148193	-2.50680654615046	0.394389109818184	-6.35617587743766	2.06838197151861e-10	1.11404543939399e-09	CACNG5
ENSG00000101057	736.534833955244	-2.50631539140008	0.0965528646977248	-25.9579599139449	1.47846448861335e-148	1.44040015426562e-146	MYBL2
ENSG00000066279	923.951864662728	-2.49673804390422	0.101699364042567	-24.5501834491235	4.30553176936503e-133	3.74008606999916e-131	ASPM
ENSG00000115163	162.728612510439	-2.49601146196087	0.198435000459869	-12.5784839175368	2.7730060233587e-36	4.1937554216044e-35	CENPA
ENSG00000267500	25.9992507105013	-2.49329122860569	0.540349829868702	-4.61421673661216	3.94580506997846e-06	1.46085086298552e-05	ZNF887P
ENSG00000075218	489.047653496362	-2.46431739959762	0.123980155549911	-19.8767084027858	6.47445517697516e-88	2.91251384160153e-86	GTSE1
ENSG00000180440	53.8042659811626	-2.46353162316305	0.359773184438651	-6.84745759194604	7.51739661791823e-12	4.45286435876285e-11	SERTM1
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ENSG00000164363	17.3621335115555	-2.45258223788419	0.601901560940295	-4.0747231724283	4.60691152897168e-05	0.000150860311795518	SLC6A18
ENSG00000100033	1164.07199149627	-2.44556093270601	0.0788594802067456	-31.0116288656036	3.75730313239182e-211	6.07855811344929e-209	PRODH
ENSG00000161888	285.605879711143	-2.43924996645987	0.166996791003257	-14.606567897537	2.55046463944642e-48	4.95864315898547e-47	SPC24
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ENSG00000282486	16.0595824817005	-2.42693405756014	0.62886234890718	-3.85924528917592	0.000113737733584	0.000355171098640032	LRRC37A9P
ENSG00000162068	293.464091410335	-2.42003419512966	0.204090622560362	-11.8576452203918	1.96421712873322e-32	2.65621202822711e-31	NTN3
ENSG00000183145	185.637330361783	-2.41552100722333	0.203550634741252	-11.8669293775177	1.75802409609671e-32	2.38469207004379e-31	RIPPLY3
ENSG00000049130	54.482452126626	-2.41042472500281	0.349253199859151	-6.90165394611962	5.14005270985912e-12	3.06837134345483e-11	KITLG
ENSG00000175063	770.384813945037	-2.40481283735055	0.102461714453501	-23.4703552461237	8.19281025687424e-122	6.36440599426081e-120	UBE2C
ENSG00000112139	343.201163486047	-2.39849588042029	0.162101284956398	-14.7962792587698	1.54812706116181e-49	3.12353233369879e-48	MDGA1
ENSG00000140451	91.5456982343511	-2.39745926894325	0.295683524708259	-8.10819362123319	5.13778219721032e-16	3.79078038768229e-15	PIF1
ENSG00000135451	321.486545646396	-2.39731027197225	0.176255899304308	-13.6013051559384	3.93350726458951e-42	6.72778536409035e-41	TROAP
ENSG00000183856	672.830646467239	-2.39516818464035	0.115090700839768	-20.8111356274991	3.43120177765488e-96	1.76917579377679e-94	IQGAP3
ENSG00000008382	226.818020754156	-2.39243745494833	0.18285215439186	-13.0839992720088	4.06478260844971e-39	6.5519539778247e-38	MPND
ENSG00000164756	3154.62986797105	-2.39098660123714	0.0789327747486693	-30.2914297495598	1.48661614884721e-201	2.24059736485228e-199	SLC30A8
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ENSG00000121207	79.4494174380504	-2.36915921178107	0.285649346390371	-8.29394235176493	1.09555563542297e-16	8.33794910446641e-16	LRAT
ENSG00000148773	1740.75437926876	-2.36808473058337	0.0768587594935651	-30.8108632794371	1.87450009656689e-208	2.92521546043014e-206	MKI67
ENSG00000225180	7.05431633476265	-2.36607098997727	0.968713578715333	-2.44248768879141	0.0145864271106572	0.0320001313348257	PVALEF
ENSG00000154134	224.717648901131	-2.36588441476819	0.236153735199726	-10.0184077663106	1.26524781471738e-23	1.26913424145201e-22	ROBO3
ENSG00000167393	119.616879096596	-2.36378155584098	0.370430546099282	-6.38117342301314	1.75736154754026e-10	9.51468023620661e-10	PPP2R3B
ENSG00000142731	381.89683511402	-2.36198373614757	0.207967214589342	-11.3574812299699	6.80792402279911e-30	8.47817317924008e-29	PLK4

ENSG00000163499	1505.12306951964	-2.35368797871355	0.0787027983230605	-29.9060265818262	1.64295903069864e-196	2.43461676868401e-194	CRYBA2
ENSG00000051341	264.521913464058	-2.34945707139001	0.157132227249398	-14.9521018858912	1.50909780688506e-50	3.13814041587396e-49	POLQ
ENSG00000113361	222.704581595657	-2.34520179526664	0.178264990162222	-13.1557059697055	1.57802674058948e-39	2.57180439404389e-38	CDH6
ENSG00000237732	11.5374856265131	-2.3355428743741	0.810229639772542	-2.88256903935255	0.003944466871122	0.00972413376280797	CT75
ENSG00000235370	89.3385893833979	-2.32757926984404	0.530518576902628	-4.38736619447588	1.14731531755799e-05	4.02461872087083e-05	DNM1P51
ENSG00000109805	1174.75136914755	-2.32584666555807	0.0899380615856837	-25.860538069772	1.8520530287471e-147	1.78465044311073e-145	NCAPG
ENSG00000172367	493.538016110926	-2.32434636657693	0.133864268241992	-17.3634562613461	1.56040534762732e-67	4.75236405873233e-66	NHERF4
ENSG00000151789	59.341398570247	-2.32266636147002	0.379298674266497	-6.12358154417935	9.14949957254396e-10	4.69564247561817e-09	ZNF385D
ENSG00000177943	728.82059853054	-2.31692545829641	0.102564597095264	-22.5899142970785	5.4453200737891e-113	3.69318362235373e-111	MAMDC4
ENSG00000126787	469.964717910945	-2.31543533363064	0.136970148884463	-16.9046712184255	4.15636487794018e-64	1.17082009996162e-62	DLGAP5
ENSG00000135476	544.242289547655	-2.31371372126159	0.119448028311699	-19.3700453156411	1.38135936167022e-83	5.7859598536087e-82	ESPL1
ENSG00000137135	255.290528143808	-2.30584144663813	0.161042593359277	-14.3182086089108	1.6840848458556e-46	3.15927150764018e-45	ARHGEF39
ENSG00000137434	15.8601229928087	-2.30488166268063	0.685689370883129	-3.36140789190311	0.0007754621553735	0.00214872716025398	C6orf52
ENSG00000184925	110.711939224507	-2.30336721364362	0.241388833999592	-9.54214482699525	1.39908306908273e-21	1.2971309590013e-20	LCN12
ENSG00000213853	2820.51380548964	-2.30290349804984	0.0955249352897553	-24.1078781269462	2.06670325913323e-128	1.71906817318658e-126	EMP2
ENSG00000124440	76.9716827529708	-2.3026407589748	0.401597185198561	-5.73370741589315	9.82587739717412e-09	4.66154215823967e-08	HIF3A
ENSG00000186638	173.126912142699	-2.30071889678929	0.19383507392755	-11.8694663982703	1.70551958784853e-32	2.31525268761517e-31	KIF24
ENSG00000151322	205.440791578661	-2.2968867351586	0.189929435257934	-12.093368950628	1.14493588665042e-33	1.61389283974369e-32	NPAS3
ENSG00000122694	67.7665534995981	-2.29671005084157	0.315853597877778	-7.27143862306202	3.55678977906528e-13	2.25856791372118e-12	GLIPR2
ENSG00000124406	2459.33259506298	-2.29587380575712	0.0747543203160282	-30.7122557739965	3.90507258322024e-207	5.98800434195702e-205	ATP8A1
ENSG00000178796	129.034070140152	-2.29550249278166	0.238828737582336	-9.61150034128652	7.14994459647152e-22	6.71006508856725e-21	RIIAD1
ENSG00000186193	1154.88721577338	-2.28494715499896	0.0845182883821468	-27.0349435457998	5.74212053180262e-161	6.40864262391186e-159	SAPCD2
ENSG00000161103	39.406512961966	-2.2792984660421	0.405116988787024	-5.62627223525392	1.84145652282114e-08	8.54307927477715e-08	POM121L15P
ENSG00000117650	350.408156448351	-2.27209530186569	0.160601003996284	-14.147453909555	1.93642168445983e-45	3.57933542806757e-44	NEK2
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ENSG00000080200	199.759163485976	-2.26465981181776	0.272749003676789	-8.30309105180606	1.01437076765937e-16	7.73677081181024e-16	CRYBG3
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ENSG00000198901	1620.04345797844	-2.2534389863593	0.0765354762682181	-29.4430647881792	1.54455466928889e-190	2.23251451133117e-188	PRC1
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ENSG00000113763	1179.32764533604	-2.24469895718658	0.0811706954879377	-27.6540559828042	2.49433544247751e-168	2.99218443487404e-166	UNC5A
ENSG00000080986	373.738868163793	-2.24421705444108	0.132492807851552	-16.9384066262341	2.34387583473006e-64	6.64500104013341e-63	NDC80
ENSG00000156970	822.062631695322	-2.24096990263147	0.117060716662368	-19.1436543917203	1.09326414572807e-81	4.42170182242404e-80	BUB1B
ENSG00000138207	918.525809452916	-2.23288379935306	0.0896960509199103	-24.8938919434346	8.66427856967622e-137	7.75562884759748e-135	RBP4
ENSG00000138172	50.3507339840561	-2.23062557698691	0.353750756912856	-6.30564184923119	2.87002010746272e-10	1.52946311801141e-09	CALHM2
ENSG00000138722	135.43246815005	-2.2277450310408	0.216284800371794	-10.3000535738587	7.04220712109284e-25	7.49440436773393e-24	MMRN1
ENSG00000089685	998.860345081975	-2.22415551507983	0.0821557686254913	-27.072420504258	2.08039407250108e-161	2.33666682003083e-159	BIRC5
ENSG00000165480	174.580108480538	-2.22142712684185	0.204117796789611	-10.8830643960533	1.38816282887147e-27	1.60141451353634e-26	SKA3
ENSG00000072571	445.132378639488	-2.22131126487071	0.197171835533354	-11.2658649185976	1.93443113565527e-29	2.37547065780954e-28	HMMR
ENSG00000180178	26.4275441027706	-2.22025314242098	0.483358494916138	-4.59338806656576	4.36106985464481e-06	1.6068346388802e-05	FAR2P1
ENSG00000137872	248.10181271566	-2.21376708561844	0.215350329538509	-10.2798407151849	8.68710504148364e-25	9.20603427292803e-24	SEMA6D
ENSG00000130876	6.99476767976659	-2.20933529646665	0.935131888500437	-2.3625921900808	0.0181476271444829	0.0389692227308587	SLC7A10
ENSG00000112742	343.640391254824	-2.2029012263284	0.146409581593152	-15.0461547827512	3.65892571594699e-51	7.69946253878391e-50	TTK
ENSG00000183734	628.704435637459	-2.1973344965342	0.10839646381219	-20.2712747192689	2.30605664619167e-91	1.07295522160802e-89	ASCL2
ENSG00000198363	1875.06611922529	-2.19660642570364	0.0666996476397516	-32.9328040466965	7.45794895460684e-238	1.52922641704113e-235	ASPH
ENSG00000006047	15.1322696994956	-2.19598119258833	0.782614339780258	-2.80595573191888	0.00501675839169157	0.0120838024148462	YBX2
ENSG00000157456	577.353799646862	-2.1954320335046	0.110988742754355	-19.7806730576597	4.36821062968302e-87	1.92572565609576e-85	CCNB2
ENSG00000169717	9.88590131880669	-2.19460204820214	0.860236694566994	-2.55116070037772	0.0107364808128033	0.0242789308352107	ACTRT2
ENSG00000130270	12.515641007665	-2.19092615447958	0.74760403450381	-2.93059701842529	0.00338311334086918	0.00843935785158962	ATP8B3
ENSG00000117399	511.901580156598	-2.18548720481892	0.123812041837848	-17.6516530409955	9.88209065575168e-70	3.16837793860955e-68	CDC20
ENSG00000152253	133.158461155307	-2.1844959494607	0.447404987243499	-4.88259186139065	1.04700436556769e-06	4.10012768874542e-06	SPC25
ENSG00000088325	1537.23769982522	-2.18356350067419	0.070018205749089	-31.185653464172	1.66755535879633e-213	2.74819356981444e-211	TPX2
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ENSG00000076382	1206.15119441817	-2.17456726021191	0.0855507696106452	-25.4184418224255	1.57724985885693e-142	1.47159915402556e-140	SPAG5
ENSG00000138160	835.33368333092	-2.174558869212	0.0994426123187453	-21.8674753056752	5.3010747507338e-106	3.26850182358181e-104	KIF11
ENSG00000143228	385.575861591048	-2.17289017987901	0.133399075136946	-16.2886450123312	1.18832952659071e-59	3.02817960576598e-58	NUF2
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ENSG00000175093	59.7051039255871	-2.1592614655407	0.340416763205332	-6.34299393839863	2.25342300585563e-10	1.2122288372562e-09	SPSB4
ENSG00000108424	5674.37230567518	-2.15805599242343	0.0470875194670628	-45.8307427710852	0	0	KPNB1
ENSG00000186871	185.814764374443	-2.15207389511739	0.190952883489453	-11.2701827581266	1.8418719065361e-29	2.26496298464837e-28	ERCC6L
ENSG00000145147	35.9290632846684	-2.15033930022057	0.432496644247138	-4.97192135204595	6.62925997605264e-07	2.6382390073959e-06	SLIT2
ENSG00000152208	127.72521591634	-2.14953326342215	0.224387434462309	-9.57956165670771	9.74576745778621e-22	9.11224089875939e-21	GRID2

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ENSG00000227877	341.687682953229	-2.14392099895095	0.144092004696081	-14.878833863634	4.52314637717854e-50	9.24231323466586e-49	MRLN
ENSG00000100626	757.408693052383	-2.14333003582865	0.10385324633133	-20.638064880424	1.24966438391804e-94	6.13832360613113e-93	GALNT16
ENSG00000129195	250.443652242059	-2.13885235344897	0.171609171141517	-12.4635084431774	1.18060075233786e-35	1.74800282676119e-34	PIMREG
ENSG00000147257	326.786620393248	-2.13858233337369	0.16215278456802	-13.1886870710913	1.01945262323665e-39	1.67072746823003e-38	GPC3
ENSG00000167130	498.278398970904	-2.13847939108412	0.124982374515366	-17.1102477399419	1.24468961306617e-65	3.62192353742719e-64	DOLPP1
ENSG00000147394	52.6032305657987	-2.1376362348692	0.342827553826721	-6.23531046734257	4.50882958302149e-10	2.37127052988372e-09	ZNF185
ENSG00000115461	1417.52201061737	-2.13689276320645	0.0832079958958926	-25.6813391573577	1.88925302265584e-145	1.80081555683854e-143	IGFBP5
ENSG00000174611	77.3974486092994	-2.13495357230949	0.318101740376416	-6.71154319930207	1.92576761738469e-11	1.1104966044788e-10	KY
ENSG00000181350	196.746353942985	-2.13014720699433	0.187318162130479	-11.3718135111241	5.7774568495321e-30	7.20506888858904e-29	LRRRC75A
ENSG00000117069	647.943123811201	-2.12969910538195	0.156473190643556	-13.6106325730481	3.46233975434718e-42	5.94497558209914e-41	ST6GALNAC5
ENSG00000274941	93.9637965701382	-2.1274770359172	0.330990863430073	-6.42760048984452	1.29633898004905e-10	7.08606372417386e-10	CNOT3
ENSG00000184486	98.5004942044335	-2.12703224812486	0.248834321657529	-8.54798580017546	1.25255123530464e-17	9.92250156485264e-17	POU3F2
ENSG00000120833	29.1251395966386	-2.11527659136686	0.481943939077429	-4.38905113199695	1.13846301926442e-05	3.99595081244203e-05	SOCS2
ENSG00000152315	17.7954190141302	-2.11446627721556	0.586895305562958	-3.60279977906338	0.000314808014058314	0.000925066575554793	KCNK13
ENSG00000185046	85.2530890244795	-2.10973521630212	0.27594657242251	-7.64544816694384	2.08218816999562e-14	1.41601643616285e-13	ANKS1B
ENSG00000145642	161.640646808713	-2.10646048537686	0.2145702510606	-9.81711339276918	9.50255995634078e-23	9.22224228233975e-22	SHISAL2B
ENSG00000115318	608.437097496692	-2.10466347360021	0.108930036183093	-19.3212409299363	3.55989034561906e-83	1.47359404588372e-81	LOXL3
ENSG00000214826	74.9504467041068	-2.10392721605275	0.290652599672854	-7.23863202469491	4.53232876965777e-13	2.86052560931085e-12	DDX12P
ENSG00000164362	71.4100322485547	-2.0973712570658	0.383108063860499	-5.47462049201219	4.38450227119712e-08	1.96583557208975e-07	TERT
ENSG00000163581	17.3029454328172	-2.08997640036713	0.772629094268324	-2.70501902642733	0.00683004773220563	0.0160759559142704	SLC2A2
ENSG00000244280	33.5568331394402	-2.08886725319556	0.446623876149266	-4.67701653392449	2.91078796405635e-06	1.09001560752112e-05	ECEL1P2
ENSG00000100162	346.255069650035	-2.07523209830455	0.143900109062381	-14.421337911599	3.7990602400118e-47	7.25028444506148e-46	CENPM
ENSG00000088305	61.1917747192513	-2.07292727373224	0.349112713877237	-5.93770204101237	2.89044733366866e-09	1.43780390075919e-08	DNMT3B
ENSG00000152672	12.3286034411409	-2.06799247450583	0.742109160443357	-2.78664189143057	0.00532572967940483	0.0127635114387911	CLEC4F
ENSG00000168078	577.33307655269	-2.06687663797384	0.123734569669795	-16.7041162666959	1.22326901522075e-62	3.30338833298664e-61	PBK
ENSG00000128573	431.98737636708	-2.06641813370983	0.12013809004078	-17.2003577966688	2.63896940651175e-66	7.80581221652649e-65	FOXP2
ENSG00000087116	857.641679648454	-2.0661653880117	0.09816149542655	-21.0486339784598	2.35365963176262e-98	1.26153294670219e-96	ADAMTS2
ENSG00000123485	390.117004421349	-2.06559573340957	0.143466477440094	-14.3977587675287	5.34488221539145e-47	1.01564281235143e-45	HJURP
ENSG000000013810	1011.24735160101	-2.0639060794247	0.0941739461143438	-21.9158925008702	1.83266852279646e-106	1.13793227926031e-104	TACC3
ENSG00000146670	604.696870651218	-2.0595299853045	0.113734279735566	-18.1082606764903	2.74278308540695e-73	9.46501701136323e-72	CDCA5
ENSG00000101447	247.427355036646	-2.0509953674942	0.155864673050621	-13.1588212219718	1.51429935799729e-39	2.47022709333248e-38	FAM83D
ENSG00000151468	20.3147679413979	-2.04717325438284	0.575725838236276	-3.55581271226998	0.000376812448159984	0.00109612515850432	CCDC3
ENSG00000093009	422.802210324679	-2.0424456904566	0.126684564244484	-16.1222932141517	1.77883902501161e-58	4.38713949189577e-57	CDC45
ENSG00000171885	163.632047655143	-2.03865334603081	0.244518559487216	-8.33741761895742	7.59305138646458e-17	5.83424262086782e-16	AQP4
ENSG00000112902	173.885598064987	-2.03592218142146	0.186199559853385	-10.9340869711215	7.9199178990493e-28	9.23065645947358e-27	SEMA5A
ENSG00000121577	15.695838878348	-2.0353200958701	0.74054718419397	-2.74840029009818	0.00598868467102615	0.0142285725530686	POPDC2
ENSG00000118193	384.417333683952	-2.03521992808471	0.134980336949347	-15.0778993006104	2.26357041053459e-51	4.78033540351699e-50	KIF14
ENSG00000260220	258.441153373132	-2.03490524417314	0.160313205233883	-12.693310206133	6.44050480766847e-37	9.88440920612931e-36	CCDC187
ENSG00000163453	31.4069103586785	-2.03187633287245	0.435904515386735	-4.66128764706593	3.14237179808216e-06	1.17474208792412e-05	IGFBP7
ENSG00000136378	85.6627363451409	-2.03011816679221	0.267250994873456	-7.59629788376832	3.04722635143523e-14	2.05486766658543e-13	ADAMTS7
ENSG00000090889	522.393069892531	-2.02892639550072	0.119351412794235	-16.9996009934013	8.26807669850035e-65	2.37071974798952e-63	KIF4A
ENSG00000124302	262.383069258264	-2.02591436696998	0.153067520885669	-13.2354294055837	5.4782737915998e-40	9.0368456539823e-39	CHST8
ENSG00000111665	377.299796776383	-2.02497051826641	0.144796599153114	-13.9849314839579	1.92662300450319e-44	3.49168243179951e-43	CDCA3
ENSG00000237918	13.6150215429072	-2.02064366746017	0.669566372672895	-3.01783923137269	0.00254583925037988	0.00650062689562682	SAPCD1
ENSG00000165304	576.641283016909	-2.01940220969036	0.105715227430981	-19.1022831692698	2.41683831348769e-81	9.70809266971342e-80	MELK
ENSG00000133794	364.363397773428	-2.01504456380222	0.157139002553136	-12.823325406567	1.21380797225397e-37	1.88584050949132e-36	BMAL1
ENSG00000176890	1080.36272941783	-2.01283899486597	0.0825466259161336	-24.3842673462025	2.51179056122849e-131	2.13975433607262e-129	TYMS
ENSG00000130707	235.187098624079	-2.01241296019454	0.212152823462668	-9.48567606760441	2.40816911545426e-21	2.21175282197502e-20	ASS1
ENSG00000162877	168.252340681597	-2.00938784947121	0.220687636686427	-9.10512197077143	8.61695588545178e-20	7.48897979714424e-19	PM20D1
ENSG00000234373	8.02609504392496	-2.0076482437082	0.87512082166133	-2.29413835668643	0.0217825527540058	0.0459026691281235	SNX18P7
ENSG00000079308	261.712423112562	-2.00580119836593	0.158268963004561	-12.6733704466625	8.30670347663728e-37	1.27263604784554e-35	TNS1
ENSG00000166482	1091.98302331097	-2.00497781898104	0.0867345951390344	-23.1162411695943	3.17894233976277e-118	2.31642434790813e-116	MFAP4
ENSG00000206455	876.226527992584	-2.00238814166225	0.091044409770603	-21.9935320214333	3.32105679442057e-107	2.09155412545758e-105	TCF19
ENSG00000254647	79657.8900459536	-2.00106979576512	0.0244301470979457	-81.9098545638057	0	0	INS
ENSG00000116254	31.6738371159461	2.00012740314137	0.520377968922404	3.84360507667768	0.000121240053299669	0.000376996490898671	CHD5
ENSG00000162078	587.796564880354	2.00132241268553	0.106671525044829	18.7615430813843	1.55809865091311e-78	5.84585353408549e-77	ZG16B
ENSG00000102575	117.341518576331	2.00368625056847	0.239234881957364	8.37539339654307	5.50397046699914e-17	4.25315579382396e-16	ACP5
ENSG00000116983	42.7293388324371	2.00473715120951	0.384037603936322	5.22015847058019	1.78770094512214e-07	7.5290944509873e-07	HPCAL4
ENSG00000064547	73.4786557495163	2.00592177106524	0.332372559062289	6.03516059425745	1.58804675186401e-09	8.0470162133247e-09	LPAR2
ENSG00000128564	3253.05210857858	2.00644602929937	0.0973201883966789	20.6169558686123	1.93347706625446e-94	9.47081516286974e-93	VGF
ENSG00000285188	20.9644478939305	2.01124108507887	0.630743037094934	3.18868535488273	0.00142921349611682	0.00378988733692091	PDE4C
ENSG00000168938	177.077161022874	2.01129863617119	0.193562861151394	10.3909325591032	2.72673857862863e-25	2.93190903021568e-24	PPIC
ENSG00000138131	79.8853378136333	2.01223139765914	0.320113508666155	6.28599338417076	3.25763817577751e-10	1.72871476351672e-09	LOXL4
ENSG00000196141	1373.36540000561	2.01317115036631	0.0889620988033102	22.629537493459	2.21918771255313e-113	1.52269089973393e-111	SPATS2L

ENSG00000152092	211.855278013719	2.01863625879525	0.174639844851696	11.5588527950736	6.6592472051887e-31	8.49704523996364e-30	ASTN1
ENSG00000276879	114.764058674749	2.0203088797438	0.313625471735309	6.44178825324776	1.18073938292027e-10	6.47222824942991e-10	IFI27L2
ENSG00000164398	76.1640997559341	2.02356642232326	0.283987624908703	7.12554437177956	1.0367012645703e-12	6.41895719783448e-12	ACSL6
ENSG00000181773	59.9749485822536	2.02586084998142	0.34188314920863	5.92559432856155	3.11169900269646e-09	1.54220630167368e-08	GPR3
ENSG00000103449	80.6095241071276	2.02647587617051	0.329679752697433	6.14680112924716	7.90611520340451e-10	4.08008298205546e-09	SALL1
ENSG00000170017	863.601821472097	2.03339531535468	0.0919810099240562	22.1066861195974	2.72562329751805e-108	1.73514950283153e-106	ALCAM
ENSG00000103489	201.95442793078	2.03476877056588	0.19098293382791	10.6541916064572	1.66686515001835e-26	1.86270596041975e-25	XYLT1
ENSG00000112379	5808.84502629311	2.03623446383018	0.0485553036481077	41.9363964560344	0	0	ARFGEF3
ENSG00000155265	231.633424850078	2.03781856578406	0.173726892697374	11.7300121710798	8.94458125771983e-32	1.17883965544568e-30	GOLGA7B
ENSG00000184985	108.090302679402	2.03840157244692	0.28601832155367	7.12682167133275	1.02713025163865e-12	6.36416544532534e-12	SORCS2
ENSG00000164251	931.392589390678	2.03998502270774	0.0893856864615911	22.822278414613	2.75564175213207e-115	1.92067140937142e-113	F2RL1
ENSG00000174899	13.2619566452373	2.04059430710457	0.688365457185749	2.96440544161985	0.00303268429891637	0.00763213285672775	SLC66A1L
ENSG00000134247	10.7609986550579	2.04268504307726	0.751991318520539	2.71636785261833	0.00660025382551328	0.0155766696947405	PTGFRN
ENSG00000233087	16.3620239997326	2.04999095092806	0.635633582514961	3.22511429118805	0.00125922387586205	0.00337310554867863	RAB6D
ENSG00000182747	97.3040318943803	2.05029210729546	0.252156537276486	8.13102896097969	4.25661624929621e-16	3.15250612936117e-15	SLC35D3
ENSG00000105419	375.782183567059	2.05110129521328	0.128119240080556	16.009315181105	1.10014011866584e-57	2.67584425552461e-56	MEIS3
ENSG00000148175	101.971529518108	2.05388936344923	0.274272510521491	7.48849879101645	6.96658288817388e-14	4.60970816698154e-13	STOM
ENSG00000164326	22.644911276755	2.06257058906367	0.527669139946883	3.90883307913609	9.27430143460972e-05	0.00029298285829077	CARTPT
ENSG00000167703	1081.41932288956	2.06531025131814	0.0790285578545008	26.1337206117385	1.50924686788874e-150	1.51216245842898e-148	SLC43A2
ENSG00000197385	130.125933575709	2.07238642831115	0.264844287853279	7.82492401519803	5.0796362972181e-15	3.54468961080902e-14	ZNF860
ENSG00000138166	1030.05779441162	2.07940855638485	0.093080590221647	22.3398729147858	1.51473583831395e-110	1.00416735988076e-108	DUSP5
ENSG00000107147	36.5116042047477	2.07971729653498	0.465569884628109	4.46703570226892	7.93108978345097e-06	2.83858001301754e-05	KCNT1
ENSG00000151917	21.0464756303715	2.08019917783807	0.681652430785943	3.05170066721482	0.00227548894275471	0.00585695110444265	BEND6
ENSG00000163191	1430.73147693872	2.08690253056219	0.0776201394396761	26.886096129524	3.19366120683151e-159	3.45503200743968e-157	S100A11
ENSG00000084674	7441.67208939802	2.09189627960842	0.0537833356795226	38.8948779985188	0	0	APOB
ENSG00000239218	32.0903850178048	2.09804292267549	0.490439657880632	4.27788187387189	1.88680095481791e-05	6.47438179359e-05	RPS20P22
ENSG00000162761	14.2390512278675	2.09872445432626	0.659713563025373	3.18126619180261	0.00146632829634695	0.00388246744411142	LMX1A
ENSG00000149260	252.329250087205	2.10205006750139	0.169105912661613	12.4303759366928	1.78791548961135e-35	2.62515418349763e-34	CAPN5
ENSG00000175229	17.3092816389099	2.11053586013409	0.622195970717846	3.39207574375499	0.000693652619951782	0.00193910435957985	GAL3ST3
ENSG00000138623	94.3400773212398	2.1106224030174	0.329449168054259	6.4065191467407	1.48879420782637e-10	8.09790162270516e-10	SEMA7A
ENSG00000090339	15.2377049453386	2.1146175799877	0.920854651787036	2.29636411770741	0.0216550708308373	0.0456503907986833	ICAM1
ENSG00000131015	800.013242415413	2.11475512819602	0.0955662366698588	22.1286847937898	1.67388418470659e-108	1.06946643888101e-106	ULBP2
ENSG00000182379	111.487887101816	2.12122659968582	0.288340233961949	7.35667919297642	1.88541730731367e-13	1.21830153159287e-12	NXPH4
ENSG00000185905	22.4356473603112	2.12605680486423	0.546392754997816	3.89107795705075	9.97998594580014e-05	0.000313646537458991	C16orf54
ENSG00000198467	52.92909121704	2.12608371650347	0.349260088000515	6.08739386362501	1.14763404782287e-09	5.86081054135782e-09	TPM2
ENSG00000180573	248.54626968954	2.12717855860035	0.174530922867899	12.1879751945757	3.60261556488511e-34	5.13154465841551e-33	H2AC6
ENSG00000182938	447.401909206066	2.12723383204719	0.131303262145729	16.2009214187401	4.96771150173399e-59	1.24432705428377e-57	OTOP3
ENSG00000269891	13.393216372064	2.12927135133712	0.940224225918499	2.26464208498462	0.0235346521341691	0.0491659821980735	ARHGAP19-SLIT1
ENSG00000158555	233.932727909122	2.12974101242731	0.181279434512864	11.7483873344507	7.197939760939e-32	9.52916439522511e-31	GDPD5
ENSG00000096433	4850.33181607886	2.13136299302668	0.0407205014795141	52.3412756618171	0	0	ITPR3
ENSG00000154217	615.952805484263	2.13485923498622	0.116566879046097	18.3144582102261	6.34552981858706e-75	2.24242630903736e-73	PITPNC1
ENSG00000115616	616.399326837488	2.13502595629908	0.104285615470361	20.4728710347006	3.75814568908095e-93	1.78628412617934e-91	SLC9A2
ENSG00000154262	20.8487247235254	2.13657779162693	0.55522557091289	3.84812570522287	0.000119024977975535	0.000370369942054098	ABCA6
ENSG00000228116	22.9219287999698	2.13711058258396	0.637140067765176	3.35422411916435	0.000795878719793178	0.00220011370823529	PPT2
ENSG00000110811	197.747223535324	2.13825448029594	0.192579721910259	11.1032171979787	1.21008065950095e-28	1.45259103809665e-27	P3H3
ENSG00000109586	494.967399809404	2.13863799268757	0.129519769572135	16.512058350262	3.00458129278556e-61	7.8145702827405e-60	GALNT7
ENSG00000168306	11.2168916100899	2.13968130716889	0.805213362038241	2.65728489869157	0.00787728417067501	0.0183473819925615	ACOX2
ENSG00000171094	261.707454218966	2.14003699643325	0.181363971192873	11.7996809529353	3.91794081657841e-32	5.25391394369154e-31	ALK
ENSG00000137571	575.146678012475	2.14198042720317	0.120721027672194	17.743225588002	1.94445683759413e-70	6.32630108378872e-69	SLCO5A1
ENSG00000263528	54.9089517234826	2.14599082326025	0.371249989872199	5.78044681967263	7.45024864989503e-09	3.5749029848231e-08	IKBKE
ENSG00000144681	128.898461934278	2.14698397049458	0.225435416035091	9.52372084322537	1.6708692037256e-21	1.54424043702816e-20	STAC
ENSG00000138311	56.5408069924483	2.16121079027606	0.342305305568557	6.31369352188792	2.72453247006092e-10	1.45412849809486e-09	ZNF365
ENSG00000135063	28.8792629697916	2.16250629863599	0.465219067428834	4.64836127759702	3.34582521540869e-06	1.24657261458941e-05	ENTREP1
ENSG00000092758	19.3562192908514	2.16513520963158	0.575956321043833	3.75920036038081	0.00017045729140559	0.000519952236057114	COL9A3
ENSG00000139112	55.4222485028344	2.16534347812158	0.407850223025419	5.30916340331784	1.10129566148308e-07	4.74127140981265e-07	GABARAPL1
ENSG00000116785	63.2779333959407	2.16720126341596	0.32310350271047	6.70745208651597	1.98051957178361e-11	1.14095008588148e-10	CFHR3
ENSG00000137501	96.8659948842861	2.16981947044257	0.371249275309408	5.84464297912554	5.0765585117406e-09	2.47019958046451e-08	SYTL2
ENSG00000114349	16.3591630798982	2.17097850488405	0.759676350203161	2.85776765895563	0.00426632651210314	0.0104431429364834	GNAT1
ENSG00000170745	171.957913193031	2.1733227351988	0.21919388910937	9.91506991380766	3.58005723129232e-23	3.5327772365198e-22	KCNS3
ENSG00000147883	2042.50706630161	2.1749419112502	0.084707877129976	25.6757929125406	2.17889196739165e-145	2.0657301587626e-143	CDKN2B
ENSG00000128298	8.86015770081245	2.17980859853875	0.837147400072588	2.60385279623367	0.00921823396087888	0.0211769590497835	BAIAP2L2
ENSG00000137502	495.144486363785	2.1906094695256	0.51514590244659	4.25240588951927	2.11486101362783e-05	7.21902034733123e-05	RAB30
ENSG00000179528	11.088589063882	2.19184282630907	0.749360202024706	2.924952273135	0.00344509055887468	0.00857455566904674	LBX2
ENSG00000223532	9.37044305595004	2.19239094365172	0.937914717448828	2.33751630384384	0.0194123541986512	0.0414277446374216	HLA-B
ENSG00000248383	189.259102741016	2.20129224756154	0.19666577280034	11.1930623016764	4.40937017740338e-29	5.37723607941433e-28	PCDHAC1



ENSG00000135480	59.011735773135	2.20155116250702	0.341303840171203	6.45041427428033	1.11544814243644e-10	6.12004123949102e-10	KRT7
ENSG00000106113	17.808819104806	2.20493392479003	0.627362209000459	3.51461068766483	0.00044039909619915	0.00126791798569401	CRHR2
ENSG00000104689	21.7000191716854	2.20761649953015	0.53225996631903	4.14762830050407	3.35937218234823e-05	0.00011194098462496	TNFRSF10A
ENSG00000104537	312.64658641491	2.21196760055805	0.142733651993253	15.4971695158659	3.62514178177741e-54	8.22725227540063e-53	ANXA13
ENSG00000102024	1858.01744004512	2.2128841315428	0.219019340669481	10.10360146633	5.32498942128273e-24	5.43407774623262e-23	PLS3
ENSG00000140853	32.8138939623965	2.21410853475568	0.584793565972917	3.78613696112077	0.000153007363463135	0.000469648711454992	NLRC5
ENSG00000108846	41.1484259691306	2.21957047797443	0.426684466504584	5.20190129290912	1.97259992168031e-07	8.27422146025465e-07	ABCC3
ENSG00000184500	184.984875442544	2.21966651783615	0.194022539154396	11.4402508466803	2.63123655634082e-30	3.31186477048636e-29	PROS1
ENSG00000106211	44.0205941066843	2.22146728133636	0.406257929650835	5.46812042104786	4.54832846781745e-08	2.03566558887038e-07	HSPB1
ENSG00000144645	827.719719209335	2.22279243753397	0.143134565501802	15.5293896323456	2.19458661529746e-54	5.00638297207703e-53	OSBPL10
ENSG00000106070	119.22692429875	2.22850443719936	0.276324387220206	8.06481273556012	7.33482107514086e-16	5.3491412257665e-15	GRB10
ENSG00000160862	14.0634680186209	2.23559890737816	0.691194321877235	3.2343999894363	0.00121898604534736	0.00327078513750081	AZGP1
ENSG00000106258	185.491509612185	2.24120146075443	0.213006362260238	10.5217583032391	6.85816182032533e-26	7.52094686191647e-25	CYP3A5
ENSG00000187105	10.7364154572635	2.24259470401041	0.779851381965837	2.87566933376115	0.00403171826030367	0.00991428249926021	HEATR4
ENSG00000137878	111.738327073984	2.24737363047143	0.26226580457043	8.56906844623701	1.0432551646242e-17	8.29430188141713e-17	GCOM1
ENSG00000104827	12.3152337150508	2.25292589458702	0.763688515490865	2.95005862846967	0.0031771363365388	0.00796497329521258	CGB3
ENSG00000188290	24.1296098781308	2.2531848699453	0.532841370767203	4.22862223836164	2.35126755974037e-05	7.99195299700495e-05	HES4
ENSG00000125355	204.931608863043	2.27009425938516	0.204701027910675	11.0898039084384	1.40595618571891e-28	1.68428202302767e-27	TMEM255A
ENSG00000162458	682.086256492844	2.27282792307593	0.14415197109473	15.7668875827049	5.25776943842326e-56	1.2378572266643e-54	FBLIM1
ENSG00000183454	258.311207094435	2.27531582563377	0.1874019520587	12.1413667287791	6.37521698406288e-34	9.05157619138203e-33	GRIN2A
ENSG00000157330	226.382238626392	2.28126462156578	0.181717413203837	12.5539131409869	3.78340533777813e-36	5.70227091678458e-35	CFAP107
ENSG00000187678	922.260844654568	2.28340665472282	0.110396545665192	20.6836784698669	4.85906529280814e-95	2.4273302372062e-93	SPRY4
ENSG00000174370	8.2572680101902	2.28467308423792	0.895512412846754	2.5512466957048	0.0107338318148089	0.024276053638879	KCNJ5-AS1
ENSG00000157017	18.8137091684801	2.2895780744436	0.635834384574506	3.60090320685592	0.000317113627526255	0.000931112051370352	GHRL
ENSG00000112343	8.08196124474127	2.29014002030677	0.966087871324145	2.37052972952434	0.0177626153576469	0.038216930114293	TRIM38
ENSG00000099250	274.997486414294	2.29090949180504	0.267342794231609	8.56918361457814	1.04221244281285e-17	8.28974930832736e-17	NRP1
ENSG00000120875	1066.6186754606	2.29645599630744	0.0888213803436859	25.8547659068292	2.15065385664561e-147	2.06112120152656e-145	DUSP4
ENSG00000084110	212.118972996106	2.29707237851438	0.216266165465598	10.6215060204587	2.36710942104464e-26	2.62691048022034e-25	HAL
ENSG00000122547	117.096473236179	2.29771589399635	0.297405373866771	7.7258721458936	1.11090088376534e-14	7.6521977282492e-14	EEPD1
ENSG00000198576	41.2785516712044	2.30511640819376	0.457928763333598	5.03378820629902	4.80880948216742e-07	1.94047016953181e-06	ARC
ENSG00000170190	7.06678358561879	2.30987235865641	0.98816462724172	2.33753799212991	0.0194112278688691	0.0414277446374216	SLC16A5
ENSG00000125430	91.9082638344507	2.31001768765998	0.271661441348521	8.50329614756184	1.84281997433669e-17	1.45050930357521e-16	HS3ST3B1
ENSG00000144366	24.2045288717526	2.31104560433172	0.62702453648177	3.68573392246972	0.000228044510181148	0.000683668291828351	GULP1
ENSG00000153086	8.54162298699245	2.31175672584862	0.976407142438294	2.36761554209413	0.0179031289192406	0.0384957658044005	ACMSD
ENSG00000108622	47.3636426332052	2.31548173308751	0.412153631146564	5.61800638913722	1.93173358439903e-08	8.95483439203274e-08	ICAM2
ENSG00000119922	22.1502210259578	2.31852960186884	0.535753414976135	4.32760582958135	1.50738922472093e-05	5.22945142410562e-05	IFIT2
ENSG00000142677	221.747418539947	2.31981297145342	0.195632277588371	11.8580277245176	1.95526605288946e-32	2.64613672882983e-31	IL22RA1
ENSG00000118503	101.460161395494	2.32026306954283	0.287645664797142	8.06639332172505	7.24052906445363e-16	5.28912549803543e-15	TNFAIP3
ENSG00000166387	202.958411764656	2.32304146524996	0.194524719543192	11.9421401593856	7.13630085300166e-33	9.81603192213972e-32	PPFIBP2
ENSG00000176485	262.84323722452	2.32480183690872	0.170663817341361	13.6221131879328	2.95880647258282e-42	5.09527278686772e-41	PLAAT3
ENSG00000168658	13.8376589463863	2.32606585257654	0.819997729621939	2.83667352792425	0.00455861987803464	0.0110924110568874	VWA3B
ENSG00000176597	1000.82056519513	2.3264991902024	0.0893887349687529	26.0267604303345	2.46615968649522e-149	2.41601443953649e-147	B3GNT5
ENSG00000165646	784.641700101336	2.32690034275419	0.0936466356688637	24.8476661882671	2.74051754825068e-136	2.44072153766932e-134	SLC18A2
ENSG00000166825	12.2279605218175	2.32968246363736	0.781066268138861	2.98269501407169	0.00285722557393328	0.00722770273572506	ANPEP
ENSG00000142611	356.757687179038	2.33189677937766	0.178398001210274	13.0713167387403	4.80269327197936e-39	7.71317788324991e-38	PRDM16
ENSG00000115107	54.0420688080004	2.33547512515962	0.373778525994992	6.24828598417371	4.14981336159186e-10	2.18898620455611e-09	STEAP3
ENSG00000163814	1976.19872553625	2.34469372452043	0.0644840243215496	36.3608467242773	1.7708608282943e-289	5.03667094292607e-287	CDCP1
ENSG00000164124	93.1135663303095	2.34885855719901	0.284381338534121	8.25953829919535	1.46237006655936e-16	1.10866009259277e-15	TMEM144
ENSG00000134058	47.4300165356561	2.35045992164036	0.753198742070847	3.12063707804131	0.00180460286337819	0.00471023784677486	CDK7
ENSG000000013619	184.718589686854	2.35139107098858	0.221619824890285	10.6100213379045	2.67687932600126e-26	2.96694469105633e-25	MAMLD1
ENSG00000142484	709.56966561773	2.35613318082709	0.105444688000385	22.3447309248854	1.35864157448823e-110	9.0408624620851e-109	TM4SF5
ENSG00000167711	199.797820356896	2.3566470374158	0.201438944277552	11.6990636833794	1.28867526008588e-31	1.68829862825813e-30	SERPINF2
ENSG00000155792	433.975276596275	2.35844603511027	0.122774003537268	19.2096532422222	3.07311797959585e-82	1.25734019610657e-80	DEPTOR
ENSG00000179388	20.2488678465375	2.35906954368155	0.654537839396259	3.60417595697376	0.000313144865560921	0.000920639639763467	EGR3
ENSG00000123095	41.6459045324678	2.36132856502024	0.499585899593367	4.72657168055027	2.28342209431036e-06	8.67238104912103e-06	BHLHE41
ENSG00000135069	3299.05455390612	2.36377198375282	0.0540748654986213	43.7129517005102	0	0	PSAT1
ENSG00000157654	57.0005229326717	2.36529628012395	0.530258967463563	4.46064361992424	8.17138764801651e-06	2.92102675420886e-05	PALM2AKAP2
ENSG00000277406	12.7037834422968	2.36686596364365	0.828917477526193	2.85536983814998	0.00429867390610164	0.0105150250603685	SEC22B4P
ENSG00000125384	732.242120948352	2.36945995414789	0.114621951621189	20.6719561186557	6.19537479513195e-95	3.07744335598188e-93	PTGER2
ENSG00000150687	791.291806019687	2.37699720523987	0.136595261453686	17.4017544967753	8.00141740882917e-68	2.46242573450774e-66	PRSS23
ENSG00000243064	13.7606849980507	2.38336001365927	0.740186694835552	3.21994441441396	0.0012821545504568	0.00342776127088467	ABCC13
ENSG00000136997	90.7513792012323	2.3870156005865	0.311665045904259	7.65891341347202	1.87512760460943e-14	1.27816003786945e-13	MYC
ENSG00000134343	28.8526200842507	2.38715572830822	0.5131901327457	4.6516009876034	3.29367909536673e-06	1.22810785479155e-05	ANO3
ENSG00000162552	1010.34167642909	2.38858779041355	0.0816376760901226	29.258400101648	3.51094910801342e-188	4.91365687069117e-186	WNT4
ENSG00000174358	2742.67158876868	2.38901332243989	0.064454837883906	37.0649186449418	1.03276735369972e-300	3.13996888192083e-298	SLC6A19



ENSG00000070540	378.881712701949	2.39257453625566	0.152761406324254	15.6621662095539	2.74389849182141e-55	6.36656657957615e-54	WIP1
ENSG00000276870	17.0979415797622	2.39292956103698	0.626597367726565	3.81892692865765	0.000134033455141664	0.000414148580334343	PLA2G10
ENSG00000034152	290.110737062945	2.3934161717046	0.208760342732565	11.4648986506538	1.97991231863196e-30	2.50098666380774e-29	MAP2K3
ENSG00000116962	485.259439390977	2.39509368614638	0.119300762559283	20.0760970405047	1.19416828718738e-89	5.39947784006723e-88	NID1
ENSG00000169908	12.7166131524523	2.39629417144595	0.797746310123626	3.0038298404346	0.00266604387107621	0.00678300643811251	TM4SF1
ENSG00000116329	71.9847138277179	2.39896503249346	0.36725724106586	6.5321109136777	6.48491005172461e-11	3.61425106991504e-10	OPRD1
ENSG00000145730	14492.1146252176	2.4006940199938	0.0326259688695585	73.582305849429	0	0	PAM
ENSG00000137767	70.1284059398312	2.40152423069203	0.305746890417951	7.85461538924955	4.01000750091289e-15	2.81386678356936e-14	SQOR
ENSG00000162949	842.892950914134	2.41570415529627	0.0895043217709295	26.9898045982499	1.94686447011912e-160	2.13236074944599e-158	CAPN13
ENSG00000105281	270.259613202061	2.41850341614176	0.163434150694932	14.7980297010027	1.50836615629553e-49	3.05029000001322e-48	SLC1A5
ENSG00000169242	360.589354212434	2.42610478894937	0.138969423452882	17.4578315766846	3.00119436435998e-68	9.33387326651215e-67	EFNA1
ENSG00000165973	22.2386671260763	2.42625707202852	0.544674607850557	4.45450740140655	8.4086028534817e-06	3.00095735110901e-05	NELL1
ENSG00000170153	492.355069225515	2.42636662968927	0.124156680664541	19.5427794678651	4.75225660379409e-85	2.04893136800257e-83	RNF150
ENSG00000180287	322.597335250685	2.43255097313234	0.158308730520851	15.3658674738216	2.77301986878763e-53	6.12007914470601e-52	PLD5
ENSG00000176399	37.1021179930548	2.43765345949887	0.425739719764611	5.72568953830906	1.03014460101656e-08	4.87143199096968e-08	DMRTA1
ENSG00000143333	71.0182498012303	2.43776268081715	0.332489293428474	7.3318531724137	2.26991714310447e-13	1.457673667207e-12	RGS16
ENSG00000178038	23.7645789602659	2.44318174154346	0.600982673150381	4.06531144855838	4.79683614548099e-05	0.000156759467363625	ALS2CL
ENSG00000145287	188.734293498262	2.44370463574647	0.197083194900837	12.399355698369	2.63433222830575e-35	3.8455144465185e-34	PLAC8
ENSG00000183230	48.3621716794861	2.46058359098496	0.377898346150308	6.51123143578477	7.45371980666227e-11	4.13720160751283e-10	CTNNA3
ENSG00000060982	139.568208790097	2.46891149844652	0.371686930724929	6.64244904611314	3.08513335101916e-11	1.758346525917e-10	BCAT1
ENSG00000119729	587.93412942067	2.47673429026508	0.174400554793231	14.201412909503	8.97837416745556e-46	1.67185480537393e-44	RHOQ
ENSG00000204335	25.8108790657166	2.48663841491002	0.602217085272222	4.12913960052458	3.64123279183321e-05	0.000120762646325347	SP5
ENSG00000166250	667.454026640922	2.49120242429403	0.149203015664872	16.6967297087987	1.38448000098515e-62	3.73301534210583e-61	CLMP
ENSG00000081320	490.589852334638	2.4931716047814	0.151595950627942	16.4461622784392	8.93536237933588e-61	2.31374713945975e-59	STK17B
ENSG00000166394	21.0679963587171	2.49458565448663	0.646115896565718	3.86089503097823	0.000112972432941401	0.000352843762396151	CYB5R2
ENSG00000088836	1306.56745212017	2.49471424863096	0.0807718245411117	30.8859464646757	1.84467249316816e-209	2.95717770404793e-207	SLC4A11
ENSG00000171951	15435.3141525558	2.4960330288335	0.0404342347602204	61.7306854855857	0	0	SCG2
ENSG00000106069	685.725869836612	2.49644542671183	0.113269502803335	22.0398727364974	1.19472628555849e-107	7.55118398549761e-106	CHN2
ENSG00000274334	351.25093103627	2.51103950968574	0.139863034122138	17.9535609637421	4.50096816173582e-72	1.51759220963766e-70	VASN
ENSG00000162009	338.997170777257	2.51156330336154	0.147134115124811	17.0698909714516	2.48663820989174e-65	7.18842265462802e-64	SSTR5
ENSG00000181104	103.534598757412	2.5119506320195	0.257088216585331	9.77077310420311	1.5030072800482e-22	1.44514887548364e-21	F2R
ENSG00000164932	50.6341538944589	2.51222633689905	0.371986642838755	6.75353909948865	1.4428159881197e-11	8.39359273117949e-11	CTHRC1
ENSG00000135362	16.9640793188467	2.5134815802288	0.896569906841995	2.8034418298536	0.00505603520145322	0.0121734195442963	PRR5L
ENSG00000136235	29.4576391410473	2.51697236756952	0.520656069712667	4.83423225807884	1.3366046262762e-06	5.18813250709984e-06	GPNMB
ENSG00000112186	16.5999133462347	2.52112639474719	0.649657415547097	3.8807013272127	0.000104155685093693	0.000326695366585232	CAP2
ENSG00000064270	802.353786800212	2.53502977692928	0.109156485430274	23.2238127394508	2.61711322843163e-119	1.9390829693346e-117	ATP2C2
ENSG00000120278	50.1915722647634	2.53852018726988	0.384679790819528	6.59904743595128	4.13807906333686e-11	2.33581581955449e-10	PLEKHG1
ENSG00000163485	40.9199842382038	2.54507416195841	0.421444038038711	6.03893739677162	1.55132412796734e-09	7.86771632803456e-09	ADORA1
ENSG00000187984	8.08535971786929	2.54839801955769	0.906843652174683	2.81018454884304	0.00495130997067686	0.0119457381342065	ANKRD19P
ENSG00000118160	238.625578277427	2.55008740525865	0.27352214196181	9.3231479797884	1.12938684371162e-20	1.0114579787715e-19	SLC8A2
ENSG00000002726	72.8878388145537	2.5517007766427	0.336110675861739	7.59184685253006	3.15377641669061e-14	2.12509336384877e-13	AOC1
ENSG00000197582	16.9502338581057	2.55789091291811	0.76132074264208	3.35980720036766	0.000779968828571635	0.00216019637553514	GPX1P1
ENSG00000106804	1832.55681536526	2.5580403174898	0.0664105418490471	38.518588258236	0	0	C5
ENSG00000185022	215.665762559672	2.56252731642576	0.182988655913156	14.0037495965974	1.47859210550859e-44	2.68798898850912e-43	MAFF
ENSG00000136010	248.820473189482	2.56521674013229	0.192791119312722	13.3056789611316	2.14535350501818e-40	3.5656139215354e-39	ALDH1L2
ENSG00000151689	1385.04683748492	2.57075732682875	0.0923489298009451	27.8374349585851	1.52899997293927e-170	1.91222592360362e-168	INPP1
ENSG00000153002	11.6300016049268	2.57416993769653	0.863083407246534	2.98252743139718	0.00285879028410373	0.00723062361874428	CPB1
ENSG00000081923	98.7642500857242	2.57493259911073	0.350669195378518	7.34291073480608	2.08997927222546e-13	1.34506184257021e-12	ATP8B1
ENSG00000148426	37.3047731571217	2.57496786009659	0.538326182654422	4.7832855674969	1.72452849397701e-06	6.61381806498275e-06	PROSER2
ENSG00000101194	350.908643345656	2.58131640984875	0.16681591918411	15.4740412214485	5.19413638448419e-54	1.17277081951337e-52	SLC17A9
ENSG00000150457	22.3747188709534	2.60003746126477	0.551753997223229	4.71231286832499	2.44920959248061e-06	9.25221978444797e-06	LATS2
ENSG00000167780	124.773084552502	2.60979955560036	0.239385986284469	10.9020565326621	1.12681245049011e-27	1.30467568955631e-26	SOAT2
ENSG00000155366	1141.09287760065	2.61047742117544	0.0893214586351651	29.2256470176777	9.15930515830399e-188	1.27177312725616e-185	RHOC
ENSG00000163817	62.5686159492707	2.61109043444896	0.447489930740206	5.83497025314041	5.38001645988543e-09	2.61105004099728e-08	SLC6A20
ENSG00000151012	896.656276067417	2.61183692101729	0.122745886930972	21.278406847849	1.79953734304293e-100	1.02035503238646e-98	SLC7A11
ENSG00000104611	58.4995651285928	2.61427304581189	0.373116424959829	7.00658794662645	2.44200084980258e-12	1.48695590419264e-11	SH2D4A
ENSG00000105971	84.6457078690636	2.61694103423219	0.298155165644653	8.77711116818655	1.67727191332985e-18	1.37823918544541e-17	CAV2
ENSG00000196352	492.551301142295	2.61705035695546	0.12923724115313	20.2499707793559	3.55450747384041e-91	1.64947854720268e-89	CD55
ENSG00000186212	73.6023479128828	2.61707111152936	0.320557322069754	8.16412832073722	3.23764591148147e-16	2.41713158353363e-15	SOWAHB
ENSG00000168209	816.996742837789	2.62672126853869	0.100672979294885	26.0916214751594	4.53823960668372e-150	4.49591669799218e-148	DDIT4
ENSG00000120896	387.805017856408	2.62768124949504	0.137235600629616	19.1472273771503	1.02078899256355e-81	4.13806737813003e-80	SORBS3
ENSG00000152292	19.1902757654365	2.63120669467872	0.61074248697189	4.30820968052257	1.64581323709865e-05	5.68618154839294e-05	SH2D6
ENSG00000163497	94.3303756419076	2.63169397484125	0.367427710915732	7.16248093613391	7.92298894126838e-13	4.94038143530151e-12	FEV
ENSG00000188611	16.6751785101807	2.63550682441438	0.779415718950613	3.38138782723393	0.000721206723444935	0.0020094421490327	ASAH2
ENSG00000115221	21.7714928035938	2.64078708985295	0.655512747354448	4.02858235863569	5.61142029788566e-05	0.000181562909234708	ITGB6

ENSG00000175868	23.2559443455693	2.64222288950201	0.586052521768363	4.50850869394663	6.52848943582767e-06	2.35811926897553e-05	CALCB
ENSG00000182687	6.33514178852579	2.6462120535702	1.06265875041482	2.4901804577784	0.01276782492547	0.0284062357728662	GALR2
ENSG00000158715	153.347531054553	2.64819686338996	0.215961254916857	12.2623702312227	1.4421879606826e-34	2.07097251617891e-33	SLC45A3
ENSG00000226015	14.1372395376717	2.65451862929289	0.783628706472173	3.38746986598193	0.00070540465744704	0.00196883598123158	CCT8P1
ENSG00000106541	139.569342720567	2.65861556314024	0.281949257413607	9.42941147470438	4.12396323971211e-21	3.7601844761677e-20	AGR2
ENSG00000178401	512.743612041112	2.66836850248642	0.130611467951069	20.4298178739256	9.08401151782665e-93	4.28308714185442e-91	DNAJC22
ENSG00000171310	43.6438034900141	2.6720268212507	0.408408621406229	6.54253284871999	6.04855441835222e-11	3.38067222228916e-10	CHST11
ENSG00000085465	38.7340626376048	2.67205730022638	0.446040493513894	5.99061596218763	2.09047754062163e-09	1.05024162254478e-08	OVGP1
ENSG00000188580	146.599280236473	2.67448490095321	0.300358631552927	8.90430512060025	5.37214985765876e-19	4.50249479990279e-18	NKAIN2
ENSG00000188643	10.4230358915287	2.67495026221153	0.850866640065285	3.14379496886409	0.00166772243452072	0.00437628235272893	S100A16
ENSG00000152953	5.49341163379755	2.68661561663402	1.13047910686674	2.37652832353558	0.017476419622907	0.0376609047574658	STK32B
ENSG00000132854	9.4596925895701	2.68755717895455	0.940731452466864	2.85688032637478	0.0042782711031653	0.0104665694552188	KANK4
ENSG00000064300	8.35537430541903	2.69048282827406	0.927860062668621	2.89966443919998	0.00373562341816367	0.00924417392027759	NGFR
ENSG00000124942	32.5816308169395	2.70048328534456	0.82070639280184	3.29043773635695	0.00100031636890969	0.00272257738066884	AHNAK
ENSG00000137198	145.814938186916	2.70147182335015	0.238696256910252	11.3176128453739	1.07355505034524e-29	1.33036329991483e-28	GMPR
ENSG00000162772	245.129589266993	2.70166948207286	0.201908693511323	13.3806496148783	7.84586334395432e-41	1.31265611202363e-39	ATF3
ENSG00000147010	1194.86021546919	2.70930022293518	0.0995862886684468	27.2055546919242	5.58289819007257e-163	6.43456383553855e-161	SH3KBP1
ENSG00000178607	1928.18277111336	2.72003114144688	0.0849486962627605	32.019692604032	5.80182916180988e-225	1.10010167139092e-222	1,00 ERN
ENSG00000146233	177.266134026822	2.72093089379449	0.201391917036281	13.5106261156664	1.35365275577891e-41	2.29522237455819e-40	CYP39A1
ENSG00000173334	327.031909406898	2.72322141727094	0.147734591812416	18.433200944087	7.11462158674547e-76	2.56562856974784e-74	TRIB1
ENSG00000221955	28.6033695611916	2.72419189537979	0.566594403860899	4.80801059243887	1.52439690481711e-06	5.87695999552797e-06	SLC12A8
ENSG00000119782	182.929333093914	2.72433418922083	0.199555785275976	13.65199302768	1.9643175512758e-42	3.40263022585436e-41	FKBP1B
ENSG00000281230	110.77145393966	2.72884396772703	0.266732184650543	10.230651285304	1.44543992579012e-24	1.5171956935347e-23	SERTAD4
ENSG00000129467	35.9717924071402	2.73051560371467	0.47640530648302	5.7314970395108	9.95480868758078e-09	4.71897426798892e-08	ADCY4
ENSG00000145107	27.6241673807941	2.74129118265375	0.54752632450939	5.00668380668286	5.53757810940427e-07	2.21830196231792e-06	TM4SF19
ENSG00000177669	526.561588899843	2.74412146239172	0.119537202898541	22.9562127593102	1.27730200188347e-116	9.15607459398907e-115	MBOAT4
ENSG00000163071	19.4345192384345	2.75567209079465	0.641389887531548	4.29640713763062	1.73588636961196e-05	5.98097308357508e-05	SPATA18
ENSG00000166448	76.7812549352422	2.75991129834767	0.3302401356914	8.35728610809056	6.41775218423153e-17	4.94194943304536e-16	TMEM130
ENSG00000173548	210.774921700435	2.7679769915059	0.232743693109643	11.8928120222014	1.28989287189633e-32	1.75509034745524e-31	SNX33
ENSG00000120659	5.31866265710769	2.77927484532506	1.16588395409244	2.38383488817164	0.0171332876016947	0.036975693742294	TNFSF11
ENSG00000148841	11.7268542432139	2.78074260131587	0.765165860871724	3.63416971863835	0.000278877249626689	0.000826091285052417	ITPRIP
ENSG00000134013	685.03131551381	2.78123043515771	0.116407931221946	23.8921043090694	3.69993016814109e-126	2.97920404497717e-124	LOXL2
ENSG00000188766	239.014974942302	2.78461958985274	0.20873413517422	13.340508908754	1.34537943718179e-40	2.24238383698144e-39	SPRED3
ENSG00000281931	12.5985215558527	2.7865012879223	0.842522805998047	3.30733039875571	0.00094189727822688	0.00257470417055539	SCG5
ENSG00000132429	48.1047454637142	2.78770252317484	0.430067379500122	6.48201341477017	9.05065905951692e-11	4.99997875487223e-10	POPDC3
ENSG00000164056	351.165439727315	2.7884797457816	0.15349859887302	18.1661576473954	9.56677064205086e-74	3.34723082345089e-72	SPRY1
ENSG00000206341	5.5216517704378	2.79187131657988	1.22586174633506	2.27747649759583	0.0227577865372858	0.0477353167358746	HLA-H
ENSG00000134256	12.7288602296155	2.79319395086795	0.798145513663672	3.49960490042291	0.000465948228201859	0.0013379793284663	CD101
ENSG00000115363	14.9309661165839	2.79469177831271	0.824156984599176	3.39097020414368	0.00069645672370841	0.0019460177255386	EVA1A
ENSG00000162496	80.4806613393911	2.80249156899121	0.305716733009996	9.16695511363972	4.86568283641677e-20	4.27085371515049e-19	DHRS3
ENSG00000087245	222.648521873435	2.80403928687122	0.211654561282633	13.2481873760653	4.62232893377354e-40	7.65353506273827e-39	MMP2
ENSG00000283597	16.1603583976384	2.8075540237503	0.782542943180637	3.5877315720707	0.000333567436102397	0.000976773192997287	FAM169BP
ENSG00000020577	112.538057057319	2.81745601674621	0.407092915333408	6.92091635748246	4.48731392846556e-12	2.68325852202651e-11	SAMD4A
ENSG00000206235	44.3613211640921	2.82456545434277	0.622774936140358	4.53545139733462	5.74804144678711e-06	2.08948593841773e-05	TAP2
ENSG00000139292	8.21216851592831	2.83287725874255	0.9583519183756	2.95598850946557	0.0031166870192642	0.00782566693687951	LGR5
ENSG00000153714	179.274373337652	2.83523482550469	0.224971783490898	12.602624122502	2.0423467565776e-36	3.09937544797671e-35	LURAP1L
ENSG00000159840	229.763741812618	2.83827691086811	0.191125883317437	14.8503010769822	6.925691538931e-50	1.40862335175904e-48	ZYX
ENSG00000165269	255.286628018247	2.84269414095806	0.169999268402274	16.7218022034737	9.09274439537352e-63	2.47440516462989e-61	AQP7
ENSG00000170006	81.8991862310147	2.84346995171298	0.416877191193015	6.82088157324118	9.04835119327631e-12	5.32039429617321e-11	TMEM154
ENSG00000088002	9.99892317146968	2.8442310547888	0.846195565117535	3.36119825255021	0.000776051006538495	0.00215002096611152	SULT2B1
ENSG00000107731	216.171521067438	2.84594806970071	0.190736908505516	14.9208042218971	2.41346890950491e-50	4.96605726373508e-49	UNC5B
ENSG00000238289	9.19054753128762	2.85628190131779	1.18718498810343	2.40592825039071	0.016131432583825	0.0350393755289057	MICB
ENSG00000168490	15.4100379934782	2.85977579709742	0.808020388835125	3.53923717348295	0.000401285142393329	0.00116232953366688	PHYHIP
ENSG00000153012	358.803173591618	2.86210710538124	0.497824455862241	5.74922961633941	8.9650996998162e-09	4.27502888335746e-08	LGI2
ENSG00000160200	909.785993284728	2.86455203957237	0.10053947571886	28.4918139774526	1.47960984604116e-178	1.93269926111777e-176	CBS
ENSG00000135373	8.38726740936625	2.86507189266022	1.06693388439239	2.68533217903361	0.00724577526689955	0.0169909575873014	EHF
ENSG00000180061	5.26551591688482	2.87719145800724	1.27000423274633	2.26549753443375	0.0234821651533633	0.0490679583261535	TMEM150B
ENSG00000163803	14.9622340853796	2.87723125809281	0.724669750400056	3.97040342377259	7.17510362081875e-05	0.000229629359799488	PLB1
ENSG00000026103	10.1127300281871	2.87771783211633	0.870037124807396	3.30758050439903	0.000941056593616684	0.00257360297329972	FAS
ENSG00000134873	29.0470840689004	2.87910146946647	0.533249222341589	5.39916674763038	6.69511245875554e-08	2.94051340218419e-07	CLDN10
ENSG00000139352	89.3934480061616	2.89015002027923	0.308466374311096	9.36941676944158	7.29344231648845e-21	6.58538462923489e-20	ASCL1
ENSG00000184502	220.088374487917	2.89901290160771	0.189018442007281	15.3371960472304	4.31431853809257e-53	9.4861213342549e-52	GAST
ENSG00000135678	538.145838886514	2.90502539393049	0.17155084414427	16.9339032309712	2.53030583879902e-64	7.16202458449147e-63	CPM
ENSG00000226173	131.772170854044	2.91339514915422	0.260301136739907	11.1924027134207	4.4423009846667e-29	5.40991267704507e-28	TAP1
ENSG00000181019	858.643692664234	2.91510595804309	0.125436933465278	23.2396143425335	1.81175483273039e-119	1.34803732997332e-117	NQO1

ENSG00000184408	7.01610004805168	2.91531312286655	1.22922042507435	2.3716764409363	0.0177075898164296	0.0381217969506677	KCND2
ENSG00000175832	1357.98030157568	2.92215146898413	0.105376985857624	27.7304521969557	2.99898064653919e-169	3.69818354692812e-167	ETV4
ENSG00000276130	34.0391858784717	2.92277435227948	0.575098812650283	5.08221246155975	3.73063790028301e-07	1.52317825268791e-06	SLC22A18
ENSG00000157613	35.5896207990183	2.92876368857799	0.493998820549671	5.92868558940923	3.053691458396e-09	1.51430807585363e-08	CREB3L1
ENSG00000136286	15.5743232041971	2.93179534490989	0.70184080589272	4.1772933944363	2.94997703462692e-05	9.90477818518873e-05	MYO1G
ENSG00000240069	24.5858198383043	2.93916145704439	0.590576988990577	4.97676257598193	6.46565479931415e-07	2.57778333102206e-06	GPAA1P1
ENSG00000179023	33.3192568469273	2.94256081976343	0.491621640082382	5.98541760543808	2.15835362776273e-09	1.08310779373842e-08	KLHDC7A
ENSG00000148180	2547.92197783817	2.94777584908166	0.065683144987495	44.8787257315842	0	0	GSN
ENSG00000066248	6.54354069510106	2.95238462686712	1.21616545740543	2.4276175654304	0.015198360080704	0.0331857208597245	NGEF
ENSG00000173406	229.538152106563	2.96227413400626	0.204320145109668	14.4981990513773	1.24370345640448e-47	2.38904866560312e-46	DAB1
ENSG00000141505	50.2552876700304	2.96338379836077	0.403281486363694	7.34817713820932	2.00928110567342e-13	1.29501692315224e-12	ASGR1
ENSG00000112769	35.193316662347	2.96819272900374	0.570940339144913	5.19877914643262	2.00601697721621e-07	8.40839157980285e-07	LAMA4
ENSG00000136842	1395.46995574155	2.97104326389058	0.07816882727241	38.0080316868106	0	0	TMOD1
ENSG00000163297	2419.7824214469	2.97634064341543	0.0751291906583277	39.6163011651652	0	0	ANTXR2
ENSG00000140538	37.693829738962	2.97747009281638	0.454421731473113	6.55221765729431	5.66888327319236e-11	3.17652010293848e-10	NTRK3
ENSG00000128165	426.209660474173	2.97844740032491	0.143865015164177	20.7030694496917	3.24997908161227e-95	1.63276726852281e-93	ADM2
ENSG00000166866	88.8044713628114	3.02182767658202	0.309369539386956	9.76769620748715	1.54935011038417e-22	1.48808495896049e-21	MYO1A
ENSG00000049323	389.121834034433	3.02844503598905	0.180335135009286	16.793427613721	2.72634378761807e-63	7.58301992915727e-62	LTBP1
ENSG00000254087	121.182806566894	3.03487917127226	0.306416962611574	9.90440981271453	3.98314801705849e-23	3.92176617156949e-22	LYN
ENSG00000162946	85.2368056168972	3.03853791637015	0.328958748543554	9.23683571214661	2.53894472755223e-20	2.25210016728652e-19	DISC1
ENSG00000142627	153.485156944062	3.03891152990675	0.259592691764071	11.7064602599392	1.18108234401529e-31	1.54964330761648e-30	EPHA2
ENSG00000078081	121.144486757759	3.04048148507857	0.251787093493176	12.0756049998288	1.42115138538206e-33	1.9984516371473e-32	LAMP3
ENSG00000078401	6.47980260273856	3.04545822313635	1.10400542547319	2.75855367452657	0.00580577699146245	0.0138312714762833	EDN1
ENSG00000100867	622.819340383906	3.04922557146872	0.154264372100313	19.7662333172167	5.81594661058661e-87	2.55756614790734e-85	DHRS2
ENSG00000117525	668.921862021549	3.05403217753386	0.124917937856884	24.448307664451	5.24533973563023e-132	4.51201565356602e-130	F3
ENSG00000218358	10.3644916495443	3.05500873801801	0.876718855411526	3.4845934009073	0.000492885404134156	0.00140936293440923	RAET1K
ENSG00000131981	41.0782316693022	3.05894705353608	0.452768653282746	6.75609283318875	1.41762606818737e-11	8.25030299881721e-11	LGALS3
ENSG00000100060	23.4035995844936	3.0621200417691	0.677101344874509	4.52239545076759	6.11436896490895e-06	2.21488870844709e-05	MFNG
ENSG00000069535	1584.15308598448	3.0726187984059	0.0786671240148561	39.0584864628538	0	0	MAOB
ENSG00000180535	61.1995230762205	3.07600799772708	0.366643297086432	8.38964743708909	4.87602225937868e-17	3.77950666030258e-16	BHLHA15
ENSG00000180801	374.4036442318	3.079647796716	0.165006113938426	18.6638405281468	9.74676885561946e-78	3.61841098947355e-76	ARSJ
ENSG00000100351	160.577158921398	3.08433702700476	0.247936571403522	12.4400245173389	1.58455275632825e-35	2.33628790176358e-34	GRAP2
ENSG00000124788	98.5751672587004	3.09641977464339	0.392281496509226	7.89336178789296	2.94153295079303e-15	2.08484694751946e-14	ATXN1
ENSG00000197956	8573.25325099964	3.09757657366936	0.046146306401826	67.125124743392	0	0	S100A6
ENSG00000159167	288.857290613335	3.11208047941407	0.19634756664593	15.8498550940844	1.40905391080291e-56	3.3441799008208e-55	STC1
ENSG00000135083	173.880280366528	3.11506599540101	0.203470049018725	15.3097028797311	6.58641219979545e-53	1.43565874822241e-51	CCNJL
ENSG00000177103	245.809728368504	3.12489101953881	0.248955776508773	12.55199241954	3.87632034556474e-36	5.83732134702721e-35	DSCAML1
ENSG00000141744	300.387118903119	3.12780066353706	0.21789082716407	14.3548982958418	9.92710483987146e-47	1.87625473468696e-45	PNMT
ENSG00000106571	48.4857505977331	3.12813155956271	0.439982480081916	7.10967300102566	1.16318214176367e-12	7.189468590207e-12	GLI3
ENSG00000088826	137.668007323864	3.13280272408307	0.2412191791211	12.9873699740529	1.44301135256105e-38	2.29037463465901e-37	SMOX
ENSG00000185633	27.5006005870044	3.13409255938721	0.571961843355752	5.47954832266294	4.2641298086289e-08	1.91527419881207e-07	NDUFA4L2
ENSG00000131781	151.710516804361	3.14848928682791	0.231435909010574	13.6041520103263	3.78331039357367e-42	6.48977582492977e-41	FMO5
ENSG00000120341	135.672702017419	3.15010040601018	0.243723798898579	12.9248781622718	3.25812323941657e-38	5.14357611493928e-37	SEC16B
ENSG00000115414	890.083103267564	3.16338217877659	0.162115779681157	19.5131046773992	8.49619918326659e-85	3.61888831878558e-83	FN1
ENSG00000175336	14.0726825982974	3.16659777804947	0.766190781702707	4.13291030598453	3.58198537648526e-05	0.000118976700186365	APOF
ENSG00000092969	20.3557587093824	3.17588051099713	0.682155770219681	4.6556529309638	3.22955578166539e-06	1.20554586481557e-05	TGFB2
ENSG00000153993	5.07738561296776	3.1764747093198	1.37133165796435	2.31634316240833	0.0205395394294593	0.0435277296357511	SEMA3D
ENSG00000183840	35.3488014000893	3.18520811738214	0.53275885008159	5.9787052188703	2.24918138890107e-09	1.12772432788972e-08	GPR39
ENSG00000169499	197.087253248724	3.19133738427644	0.214493121860678	14.8785068565012	4.54530607313873e-50	9.27684343677411e-49	PLEKHA2
ENSG00000104722	3358.62351918956	3.19213624100207	0.0560303724975877	56.9715334507101	0	0	NEFM
ENSG00000124939	194.467382390649	3.19331119245446	0.217373477524936	14.6904361507864	7.42344426032481e-49	1.4758175432533e-47	SCGB2A1
ENSG00000240520	14.0797901437232	3.19661235765092	0.836390619471731	3.82191321044456	0.00013242029788403	0.000409522892474041	UOX
ENSG00000227567	72.5732093603688	3.19720173339524	0.483026225794894	6.61910588422762	3.61377943820851e-11	2.04970687080633e-10	APOM
ENSG00000105974	97.1622433059054	3.20247476378064	0.318271062593352	10.0620984442823	8.12477807656835e-24	8.21987014355745e-23	CAV1
ENSG00000065833	671.96236663547	3.20517623492567	0.121583898717397	26.3618478165075	3.75416578784912e-153	3.80465284499606e-151	ME1
ENSG00000171700	59.5048393542979	3.20561257294701	0.380523275024231	8.42422207351938	3.63154919846836e-17	2.82981610984494e-16	RGS19
ENSG00000205710	81.6744530286551	3.22174401749946	0.314724248222613	10.236720035695	1.3576100537552e-24	1.42755490088964e-23	C17orf107
ENSG00000134070	114.123669779955	3.22887372943176	0.282006373069244	11.4496480852188	2.36102061798661e-30	2.97812858208697e-29	IRAK2
ENSG00000131370	290.408700384703	3.22996868255207	0.184211582194049	17.5340152018759	7.88030161500435e-69	2.47702742743292e-67	SH3BP5
ENSG00000184497	12.4249301888705	3.24189799969565	0.974251843341953	3.32757697288521	0.000876047837568267	0.00240626597627396	TMEM255B
ENSG00000101445	153.051654742403	3.24333284812109	0.251842613872468	12.8784116327648	5.9548473637267e-38	9.30920021382594e-37	PPP1R16B
ENSG00000197496	29.1890918959593	3.24348155017833	0.618220825261665	5.24647733891124	1.55034907785773e-07	6.57816545691609e-07	SLC2A10
ENSG00000058335	165.427408764059	3.24615591782587	0.242710591148824	13.3745952430869	8.5115765398396e-41	1.42268379813774e-39	RASGRF1
ENSG00000162039	34.2256395087018	3.24862266150266	0.497008434154278	6.53635318489232	6.30369571898926e-11	3.5177015920461e-10	MEIOB
ENSG00000113578	5.94194533570384	3.25102218219362	1.23369947085417	2.63518162972277	0.00840922719213607	0.0194655174988353	FGF1

ENSG00000161714	307.889853721264	3.25461582628318	0.524864432802342	6.20086944909988	5.61520792281528e-10	2.93041066916024e-09	PLCD3
ENSG00000197046	113.951988111789	3.2613099852884	0.27438732288747	11.8857895873925	1.40302916074646e-32	1.90608753625601e-31	SIGLEC15
ENSG00000197106	176.926095490047	3.26268435757815	0.218804633516068	14.9114043205971	2.77846785707323e-50	5.71043149086589e-49	SLC6A17
ENSG00000286019	5.44870537608492	3.26384934292256	1.34506594053648	2.42653482224133	0.015243787349117	0.033280790654244	NOTCH2NLB
ENSG00000119138	5.48586744561546	3.26871491318311	1.34432803388482	2.4314860888062	0.0150370257466662	0.0328823055576279	KLF9
ENSG00000105928	35.5846403467127	3.27276121121562	0.522778673666858	6.26031889988916	3.84191003101166e-10	2.0320408364385e-09	GSDME
ENSG00000112782	78.61261506094	3.27460812244105	0.360865375960262	9.07432062088894	1.14388870554391e-19	9.86855843129223e-19	CLIC5
ENSG00000102678	6.70536732541699	3.2885847985492	1.24761196935683	2.63590353356783	0.0083913583527745	0.0194314307434678	FGF9
ENSG00000185989	13.3287340506696	3.29454341376862	0.786961794464886	4.18640833257836	2.83403312379285e-05	9.54092021858784e-05	RASA3
ENSG00000114757	278.287458054928	3.29718259237293	0.17299037489099	19.0599193420481	5.43585514233865e-81	2.15406448494381e-79	PEX5L
ENSG00000134107	252.072409953228	3.2994871331537	0.186242092110596	17.7161193571342	3.14900509152572e-70	1.02076389308758e-68	BHLHE40
ENSG00000177551	10.4662129647552	3.30284554625801	0.943896700476433	3.49915996590612	0.000466726481798214	0.00133999589385049	NHLH2
ENSG00000132855	13.8425536328663	3.31198613246012	0.860624809382109	3.84835075209833	0.000118915709936309	0.000370160569994151	ANGPTL3
ENSG00000139219	8.02138184178314	3.31284181709937	1.17633427032183	2.81624186311686	0.0048589072208544	0.0117450693655309	COL2A1
ENSG00000147251	26.1236365944801	3.3250561666388	0.667085007352369	4.98445644856538	6.21362389841846e-07	2.48010511146924e-06	DOCK11
ENSG00000117322	7.8540359755886	3.33597420229727	1.0952658002305	3.0458124426009	0.00232052539322289	0.00596069115573087	CR2
ENSG00000146859	158.697690353372	3.34463337851504	0.235328251117333	14.2126300715481	7.64976125766852e-46	1.4259607824284e-44	TMEM140
ENSG00000106565	411.375811630743	3.35515586467451	0.153052141700672	21.9216524995533	1.61487783122694e-106	1.00624578359915e-104	TMEM176B
ENSG00000132518	3.61392940452438	3.35703915686922	1.36104235829651	2.46652070481547	0.0136432840601707	0.0301561382698735	GUCY2D
ENSG00000086696	35.4311147183083	3.35722733688906	0.449045959527362	7.47635573967232	7.64119371167268e-14	5.04095809620786e-13	HSD17B2
ENSG00000170271	236.695934149334	3.3607018138482	0.218172497382661	15.4038747054068	1.541491709037e-53	3.42782658223941e-52	FAXDC2
ENSG00000134548	13.5903406629677	3.36681292940707	0.798576059527312	4.21602036429683	2.48651316336137e-05	8.42243048841996e-05	SPX
ENSG00000115641	136.911777362743	3.36758877311073	0.251937957187964	13.3667384251999	9.45987619657069e-41	1.57969182623416e-39	FHL2
ENSG00000128965	1059.55149024597	3.36876360409799	0.0988540506986886	34.0781544133798	1.55426438284985e-254	3.42598726589678e-252	CHAC1
ENSG00000112299	6.11637364158636	3.38206347730273	1.20497632512087	2.80674682713246	0.00500445563441269	0.012057462857936	1,00 VNN
ENSG00000108018	195.857070457789	3.39222931581157	0.244750460958522	13.8599506719068	1.10750340460921e-43	1.96673867440874e-42	SORCS1
ENSG00000173702	221.489911692487	3.4028013950242	0.19883174782665	17.113974162672	1.16754462227278e-65	3.40305485440631e-64	MUC13
ENSG00000196542	339.491847449989	3.40542173241679	0.26702595531934	12.7531487654232	2.99403054100525e-37	4.62318166025277e-36	SPTSSB
ENSG00000265203	104.371030425669	3.41030580318474	0.292061092226985	11.6766864671392	1.67706355353144e-31	2.17931751679982e-30	RBP3
ENSG00000141524	264.057762373355	3.41736596894941	0.217653510299433	15.700945802565	1.4900387524543e-55	3.47557451862159e-54	TMC6
ENSG00000112303	9.00675035308231	3.42222730147453	1.11136022832492	3.07931417217675	0.00207477759665848	0.00536891460895288	2,00 VNN
ENSG00000158747	486.82761952879	3.4240331337772	0.161634629534727	21.1837843389961	1.34759466707119e-99	7.54396328861375e-98	NBL1
ENSG00000152784	101.855566483657	3.44639814212544	0.298272348983109	11.5545344845915	7.00259015968946e-31	8.92868220361272e-30	PRDM8
ENSG00000215474	24.1874293190177	3.46519408621089	0.604852473838238	5.72899051602064	1.01030042354759e-08	4.7878628510718e-08	SKOR2
ENSG00000101438	396.334383513361	3.47647931217748	0.159820448232495	21.7524062197608	6.55500243362138e-105	3.9721963200852e-103	SLC32A1
ENSG00000182732	148.083459985383	3.48525820193694	0.277213589254213	12.5724651930424	2.99245162741597e-36	4.5178845888573e-35	RGS6
ENSG00000129465	5.19623711657221	3.4881594135235	1.29491443051035	2.69373738629877	0.00706558109028443	0.016592683039829	RIPK3
ENSG00000155629	267.880631069483	3.48895199755123	0.191537717818248	18.2154827638801	3.88971536025743e-74	1.36635937575258e-72	PIK3AP1
ENSG00000166831	8.54726889266433	3.49540109658978	1.01001963590391	3.46072588327612	0.000538721062353795	0.00153173286255189	RBPMS2
ENSG00000100097	4.09604852136038	3.50436300554602	1.4647253395314	2.39250520965736	0.0167337905291041	0.036226775393013	LGALS1
ENSG00000174640	379.841093444321	3.52193597756724	0.195143322585235	18.0479451251986	8.18808583319749e-73	2.79823072834505e-71	SLCO2A1
ENSG00000185634	307.067744756947	3.525208134311	0.207040434822639	17.0266650441053	5.20894664540687e-65	1.50089158733831e-63	SHC4
ENSG00000108684	210.584230963282	3.52676128105898	0.209515786780149	16.8329142889825	1.40036510340139e-63	3.91347674063075e-62	ASIC2
ENSG00000148600	1914.03165680625	3.52824497184527	0.0850979440811222	41.4609895684655	0	0	CDHR1
ENSG00000086730	80.4168023922746	3.5312166478308	0.367131941442023	9.61838578784744	6.68723193831895e-22	6.28250655302698e-21	LAT2
ENSG00000170889	443.137941909684	3.53737877376441	1.51853002526138	2.32947568695952	0.0198338795527428	0.0422047341659305	RPS9
ENSG00000172985	91.0189563127181	3.54260715714743	0.321471483537006	11.0199732746735	3.06149960591194e-28	3.60872219589914e-27	SH3RF3
ENSG00000139289	1309.47982695838	3.5520236829325	0.0973409143288611	36.4905518652946	1.5659301991209e-291	4.60226885521632e-289	PHLDA1
ENSG00000113739	1339.55315891744	3.55785040364856	0.106894337257835	33.283806185793	6.62292760001682e-243	1.39034172974639e-240	STC2
ENSG00000198597	11.725472323441	3.57329977250893	0.952973249698025	3.74963281880286	0.000177093681753397	0.000538983428380982	ZNF536
ENSG00000091490	5631.5310282272	3.57597952886235	0.0694468554722367	51.4923174641356	0	0	SEL1L3
ENSG00000239474	132.451239582983	3.5887730453873	0.301679361238614	11.8959846329983	1.24179732494172e-32	1.69226074405118e-31	KLHL41
ENSG00000144891	4.64721697301552	3.59289031675196	1.46572156410829	2.45127751732149	0.0142350155940431	0.03129148154891	AGTR1
ENSG00000081041	15.7411602783062	3.60085950806643	0.813605422294846	4.42580569081003	9.60829843936444e-06	3.40294707129449e-05	CXCL2
ENSG00000103647	305.769818504163	3.60549111784148	0.198832952456268	18.133267515778	1.74099774194639e-73	6.05537557820171e-72	CORO2B
ENSG00000107738	138.983024030021	3.61741478215323	0.404040418651615	8.95310126206051	3.4563255016585e-19	2.91203267540593e-18	VSIR
ENSG00000116774	11.7187052582771	3.61936931102205	0.943127135604505	3.83762609979639	0.000124229444702136	0.000385747847838962	OLFML3
ENSG00000164761	224.737430152134	3.62471196311663	0.235105218993971	15.4174032317402	1.2503165101496e-53	2.79797986547944e-52	TNFRSF11B
ENSG00000235711	53.9430157210681	3.62880418407573	0.419633320067456	8.64755969209594	5.26123831070607e-18	4.2363779164836e-17	ANKRD34C
ENSG00000163739	113.205928276749	3.63720356078636	0.297055723960618	12.2441793488839	1.80493518661427e-34	2.5834599903211e-33	CXCL1
ENSG00000148702	58.3442492016295	3.64531283610469	0.400466398033425	9.10266842363247	8.81391810939827e-20	7.65261604830768e-19	HABP2
ENSG00000196754	25.3651627467382	3.64984918675368	0.614883273294835	5.93584074453037	2.92343472543807e-09	1.4525739066885e-08	S100A2
ENSG00000112562	31.391527348907	3.65533716145975	0.649158053372273	5.63088933807546	1.79282736916749e-08	8.32842935403043e-08	SMOC2
ENSG00000198759	38.5296342635829	3.66278439120292	0.517491404617164	7.07796179515797	1.46290039733998e-12	8.99783244042318e-12	EGFL6
ENSG00000119283	48.5621740674202	3.66407292370695	0.457792205339	8.00379054290289	1.20646541495154e-15	8.70491453652026e-15	TRIM67



ENSG00000198734	1743.63483633103	3.66674822727959	0.0790299198076739	46.396962520055	0	0	F5
ENSG00000047648	13.7261856388379	3.68193628188169	0.802560567730619	4.58773634031511	4.4807803487453e-06	1.64813354240585e-05	ARHGAP6
ENSG00000169594	5.85940638234625	3.68218104656159	1.38877978395874	2.65137863403043	0.00801639177215209	0.0186369218866355	BNC1
ENSG00000164588	98.0139121044787	3.69902973615862	1.25956909445644	2.93674221798441	0.00331679686322103	0.00828447533796596	HCN1
ENSG00000171840	6.32719329356463	3.69978389372999	1.28361703023513	2.88231131761494	0.00394769485721707	0.00972937122462135	NINJ2
ENSG00000124762	2190.08977009997	3.70036268223374	0.084325109389024	43.8820976224596	0	0	CDKN1A
ENSG00000153246	38.1312537993675	3.7069753633197	0.498240971642906	7.44012551014477	1.0058968332918e-13	6.58670061576964e-13	PLA2R1
ENSG00000152422	755.869152101869	3.73639506096713	0.119340388883454	31.3087220171206	3.55037125680764e-215	6.01992757139864e-213	XRCC4
ENSG00000151715	544.537357554337	3.74066038040701	0.151327587855538	24.7189586077191	6.68949526968337e-135	5.83973067255429e-133	TMEM45B
ENSG00000111145	94.9381285037039	3.74081850114738	0.873446653784021	4.28282423997056	1.84535937253373e-05	6.33834576845732e-05	ELK3
ENSG00000089327	19.1478566713881	3.7482100436892	0.735872180893364	5.09356127464799	3.51399408066712e-07	1.4407294028943e-06	FXD5
ENSG00000101463	10.3726752184794	3.75502744171709	1.02454563088755	3.66506608247811	0.000247274726765052	0.00073755793839224	SYNDIG1
ENSG00000002933	177.484129166128	3.76052339735482	0.251238794195249	14.967924875616	1.18975977530656e-50	2.47700399973505e-49	TMEM176A
ENSG00000124557	163.988552368218	3.76889867897926	0.253934337605001	14.8420206362239	7.83596053323151e-50	1.59009583478716e-48	BTN1A1
ENSG00000177301	166.109283739792	3.77123133754702	0.272608134254926	13.8338914495501	1.59171349488962e-43	2.81245248185206e-42	KCNA2
ENSG00000125864	89.1531344482891	3.77400489754305	0.376042878701851	10.0361025598235	1.05771042751009e-23	1.06459278988087e-22	BFSP1
ENSG00000100292	5.00083397952104	3.77444341844207	1.38465836489123	2.72590229774012	0.00641259769785318	0.0151601753323425	HMOX1
ENSG00000198797	40.6850660452075	3.77861221068823	0.557009224412938	6.78375158808314	1.17094601245214e-11	6.85085002773092e-11	BRINP2
ENSG00000148948	5.8080222334454	3.79843766015574	1.37958827826823	2.75331250633981	0.00589955517887646	0.0140376138205785	LRR4C
ENSG00000215397	216.547362460455	3.79897829850883	0.223455265639549	17.0010685925696	8.06365155766768e-65	2.31587022097576e-63	SCRT2
ENSG00000277883	7.84989817730914	3.80516779361518	1.14372713881694	3.32698916067621	0.000877897882661536	0.00241022127710626	NLRP3P1
ENSG00000163884	14.61959601242	3.81256208196013	0.846798247254583	4.50232637386874	6.72136591505075e-06	2.42629614219048e-05	KLF15
ENSG00000145192	7.96491819079385	3.81611322567693	1.10919452776286	3.44043639790908	0.00058077691990659	0.00164309645525956	AHSG
ENSG00000224982	13.1658097971038	3.81745730038315	0.879575339783426	4.340114061546	1.42408777084268e-05	4.95312894497825e-05	TMEM233
ENSG00000204099	3.25412274794755	3.86162285181682	1.54913870918041	2.49275473457109	0.0126756370508429	0.0282331923398463	NEU4
ENSG00000135218	1610.71948404993	3.86448156759111	0.0887997510762976	43.5190585643727	0	0	CD36
ENSG00000051523	103.812808652691	3.88804562622056	0.33884025670885	11.4745681755323	1.77059384443035e-30	2.24139640004917e-29	CYBA
ENSG00000187753	7.7771128949553	3.91619396895137	1.37346924761985	2.85131536489654	0.00435387637041891	0.0106382507850862	C9orf153
ENSG00000198753	8.0658339079925	3.96151572619138	1.21173855572472	3.26928255891145	0.00107820572022711	0.00291790664065146	PLXNB3
ENSG00000111348	81.1903394958165	3.96301025432399	0.386056082606329	10.2653744698673	1.00928629669992e-24	1.06701166402916e-23	ARHGDB
ENSG00000137462	5.00628226064521	3.97276489895819	1.55939185898778	2.5476373216011	0.0108455158770993	0.0245035012141921	TLR2
ENSG00000125869	177.537268628848	3.98524658030469	0.252593831317772	15.7772917870315	4.45914200851958e-56	1.05264404522402e-54	LAMP5
ENSG00000140297	567.819334156446	3.98793364840291	0.14763989929214	27.0112189694186	1.09114781607372e-160	1.20258128679025e-158	GCNT3
ENSG00000111981	254.645557326891	3.99182814025083	0.217797423265554	18.3281697294633	4.9322415137993e-75	1.75353118657937e-73	ULBP1
ENSG00000184574	6.11245052752896	3.99603485681248	1.45821183192062	2.74036650186089	0.00613707075559289	0.0145556295499832	LPAR5
ENSG00000186907	9.54397374014812	4.00374187965901	1.07211320265696	3.73443948804729	0.00018813371734322	0.000570614030208176	RTN4RL2
ENSG00000205867	3.22619468510439	4.00690430256197	1.68984295665192	2.37116963253251	0.0177318908313961	0.038155480527253	KRTAP5-2
ENSG00000100678	662.375835073558	4.02756986217517	0.133893137953122	30.0804800286725	8.7235318239907e-199	1.30365051003603e-196	SLC8A3
ENSG00000149295	79.5712766098527	4.03435376054779	0.4021654717491	10.0315766617198	1.10734056326137e-23	1.11327499957531e-22	DRD2
ENSG00000146592	2.14078574964575	4.04389930528377	1.77407091833166	2.2794462518368	0.0226405515604145	0.0475176727227267	CREB5
ENSG00000103257	1996.35132135458	4.05394009197349	0.0866230331017254	46.7997938517434	0	0	SLC7A5
ENSG00000135925	19.8671197704121	4.05722138829729	0.784176115769141	5.17386503708782	2.29300481858277e-07	9.55680618550899e-07	WNT10A
ENSG00000256671	21.255334871947	4.06169293616643	0.88261221513772	4.60189975450618	4.18654703534764e-06	1.54673309074629e-05	LIMS4
ENSG00000129474	11.94294846563	4.061964220577	1.00674153350764	4.0347637257246	5.46572694397777e-05	0.00017701125606998	AJUBA
ENSG00000154096	6.22351597196722	4.07117584023129	1.21226208388416	3.35832976577722	0.000784150042105515	0.0021704130972357	THY1
ENSG00000010438	17.7480034352934	4.07714674597262	0.776983739594445	5.24740292261551	1.54258285312753e-07	6.54678845536725e-07	PRSS3
ENSG00000173210	13.9250792009693	4.08377326062628	0.92001367146036	4.4388180168497	9.04542566488962e-06	3.21133553804436e-05	ABLIM3
ENSG00000099937	129.194972552437	4.09530362235422	0.296582389147262	13.808316920398	2.27075153610527e-43	4.00424325876803e-42	SERPIND1
ENSG00000182866	14.0131648102688	4.10726570164379	1.00093674956742	4.10342182302613	4.07084049765961e-05	0.000134139650821151	LCK
ENSG00000099260	88.0410636448417	4.10880622899161	0.364192660501502	11.2819578058868	1.61119750169604e-29	1.98545469915499e-28	PALMD
ENSG00000160870	9.39535927087803	4.1132490687632	1.10630187747838	3.71801689258506	0.000200792846269793	0.000606505832668985	CYP3A7
ENSG00000134193	747.730573680722	4.11866319423049	0.130540924826992	31.5507431840936	1.75148146346365e-218	3.05798258680377e-216	REG4
ENSG00000189052	70.6034042837202	4.12718457510128	0.425508101727319	9.69942654052245	3.03197923070839e-22	2.87605819011897e-21	CGB5
ENSG00000160182	324.745196310018	4.13795436845937	0.192239747490533	21.5249677679853	9.08835727821272e-103	5.32438844664462e-101	TFF1
ENSG00000110900	202.832861400339	4.13847925886572	0.248363020293894	16.6630251716562	2.43395758181869e-62	6.493253857457e-61	TSPAN11
ENSG00000169184	8.84297587755511	4.14531646670101	1.21781630001692	3.403893072086	0.000664327536809232	0.00186096136363685	MN1
ENSG00000054803	13.1671841389125	4.15216000074619	0.926617264234399	4.4809870925261	7.42986052535485e-06	2.67056992466587e-05	CBLN4
ENSG00000177173	3.55152104906578	4.15336138802015	1.67509176137971	2.47948290581955	0.0131573036657414	0.0291660456117768	NAP1L4P1
ENSG00000121769	178.546142262595	4.16170431070332	0.263724418083233	15.7805042891017	4.23788633426221e-56	1.00175452571555e-54	FABP3
ENSG00000172020	517.152561864007	4.16300949339747	0.172483526173224	24.1356933369775	1.05532944346844e-128	8.81975327304384e-127	GAP43
ENSG00000213424	13.025962808003	4.17117823454999	1.01622406829596	4.10458516451432	4.05041040131424e-05	0.000133529513959198	KRT222
ENSG00000169562	104.182205852555	4.1796453637686	0.335885255403689	12.4436702609801	1.51384542878422e-35	2.23577473125468e-34	GJB1
ENSG00000181804	43.798278516116	4.18313445371909	0.532284918967335	7.8588257992254	3.87751041197367e-15	2.72305928334304e-14	SLC9A9
ENSG00000118137	130.794381009808	4.18605526082159	0.324434088587739	12.9026369548388	4.34954448283802e-38	6.82990805078947e-37	APOA1
ENSG00000134285	898.500489965688	4.19772550728738	0.115711481062497	36.2775194712109	3.66031525819881e-288	1.00853123848559e-285	FKBP11

ENSG00000120889	196.937421877043	4.20249275355232	0.275916385084541	15.2310373023504	2.20071964659459e-52	4.75581988333933e-51	TNFRSF10B
ENSG00000116183	141.39695113172	4.20291371461677	0.3569818925555833	11.77346471114053	5.34819529000556e-32	7.12850156794845e-31	PAPPA2
ENSG00000242711	3.66666279913587	4.20620392146718	1.70221276377448	2.47102125596824	0.0134727810388366	0.0298091619622138	PSMB9
ENSG00000105329	1919.76899963927	4.20971388106225	0.103076574056966	40.8406460883704	0	0	TGFB1
ENSG00000117228	10.3731087530525	4.21528567244269	1.04834484017098	4.02089609346025	5.79771756320603e-05	0.000187281464571488	GBP1
ENSG00000187608	48.8569651283566	4.23936226972455	0.492094286997044	8.61493901015358	6.9978837329864e-18	5.59972111021773e-17	ISG15
ENSG00000233041	31.4829031906918	4.27571935235713	0.635266980589825	6.73058648253252	1.68980575638263e-11	9.78588988770159e-11	PHGR1
ENSG00000092607	18.5902617843539	4.28515239141427	0.822031861012809	5.21287871510797	1.85932466732318e-07	7.81953999131337e-07	TBX15
ENSG00000112494	29.8543141132001	4.28869895080143	0.64628356771794	6.635939957355	3.22441085477428e-11	1.83653943840729e-10	UNC93A
ENSG00000149573	9.37492903670702	4.29785449855987	1.25138904916452	3.43446708394107	0.000593720174308358	0.00167863741442257	MPZL2
ENSG00000165072	7.29354366578063	4.31332256560136	1.31939747235004	3.26916085258121	0.00107866962053033	0.00291871414583887	MAMDC2
ENSG00000226790	10.9575405225854	4.32722991635537	1.08707950265273	3.98060114811835	6.87412066444328e-05	0.000220276655999987	HNRNPA3P1
ENSG00000282195	7.47705159880458	4.36054874835593	1.36547563165047	3.19342846352028	0.00140594167611372	0.00373154357564559	SORD2P
ENSG00000106366	41.3778322691851	4.36159510224817	0.59095114234999	7.38063570687714	1.57535509784171e-13	1.02056619380385e-12	SERPINE1
ENSG00000174502	4.10863752384104	4.37757425508841	1.58944139827236	2.75415895159557	0.00588431821759225	0.0140032479688288	SLC26A9
ENSG00000241418	7.80826657714751	4.38624155108467	1.3031172446624	3.36596079059719	0.000762775498937051	0.00211723329895419	MCRIP2P1
ENSG00000169884	8.21704108779869	4.39319858205168	1.2886464090145	3.40915750924367	0.000651638439677985	0.00182773854704654	WNT10B
ENSG00000125510	11.4902550263684	4.39398152519587	1.10262537736631	3.98501759109806	6.74751268070582e-05	0.000216416221556141	OPRL1
ENSG00000182718	783.769739152597	4.39398709449944	0.137997626708366	31.8410337866562	1.75179897304072e-222	3.21783573860417e-220	ANXA2
ENSG00000179674	23.0797912494348	4.39936462033745	0.75993786192455	5.78911097967408	7.07599359115852e-09	3.40087410701797e-08	14,00 ARL
ENSG00000143858	66.0189801792828	4.40063610861232	0.438974873803489	10.0248018080923	1.1859729992823e-23	1.19097083538406e-22	SYT2
ENSG00000140044	86.2629251868159	4.40474721214365	0.330439154654614	13.3299796652356	1.54939891182933e-40	2.5799905959583e-39	JDP2
ENSG00000143028	50.3619917604634	4.40868735390925	0.511845453684084	8.61331740308928	7.09762341723429e-18	5.6761674076875e-17	SYPL2
ENSG00000182492	24.1514862279867	4.4127969251339	0.752833098928741	5.86158729127767	4.58463357419693e-09	2.23638806216843e-08	BGN
ENSG00000124145	1285.63132733253	4.46098927406456	0.11012082904492	40.5099499591021	0	0	SDC4
ENSG00000166984	11.776076209218	4.47994319765578	1.07032913123024	4.18557532158964	2.8444472414918e-05	9.57232493444017e-05	TCP10L2
ENSG00000184347	5.09139746232461	4.4809788442537	1.62498557684456	2.75754991804604	0.00582363208448241	0.0138700605318426	SLIT3
ENSG00000111371	209.328050284151	4.48219363789866	0.3048620149698	14.702368343077	6.22440761343584e-49	1.24304874128344e-47	SLC38A1
ENSG00000230183	2.19654940196484	4.50302289268717	1.95993716678821	2.29753431334045	0.0215883079490983	0.045520533585364	CNOT6LP1
ENSG00000142227	83.0079877112485	4.55347910596719	0.422713759409789	10.7720153522444	4.66672445287917e-27	5.29556106834436e-26	EMP3
ENSG00000178597	2.2861643350994	4.55440329091654	1.98662816132828	2.29252931151012	0.0218751181421266	0.0460812129158117	PSAPL1
ENSG00000203690	2.33448144919495	4.59153485275924	1.92430642984395	2.38607260338031	0.0170293887268442	0.0367829790310106	TCP10L3
ENSG00000277586	996.661188592962	4.60945051237599	0.131062560352485	35.1698494213692	5.78124287323434e-271	1.41592273370298e-268	NEFL
ENSG00000253771	77.9691689166865	4.64084366519376	0.433330577070177	10.7097073476128	9.16510772245228e-27	1.03138168205312e-25	TPTE2P1
ENSG00000120054	11.3093277336156	4.68435551781291	1.16475875813204	4.0217388236903	5.77700937627623e-05	0.000186680929707266	CPN1
ENSG00000109072	5077.51178129168	4.69094000618195	0.060528741190588	77.4993815154934	0	0	VTN
ENSG00000188153	82.1387973178121	4.70853601351055	0.447928123207483	10.5118115375165	7.62152794546542e-26	8.33734638897874e-25	COL4A5
ENSG00000084734	2.54055004429222	4.71302667769129	1.91390637644527	2.46251683765475	0.0137965694708351	0.0304491496932047	GCKR
ENSG00000105619	48.2220256902564	4.71319323159057	0.594710150789871	7.92519385339343	2.27790691428336e-15	1.62297416268577e-14	TFPT
ENSG00000101265	62.8646911711386	4.720620521174	0.4944850683951	9.54653805117966	1.34102726458e-21	1.24526986748835e-20	RASSF2
ENSG00000179431	151.041169826194	4.72580754915083	0.316669808196494	14.923454736861	2.31946766417135e-50	4.7838003263155e-49	FJX1
ENSG00000123901	132.74410543756	4.75056681038212	0.336832464827844	14.1036488653496	3.6063023619331e-45	6.64509256534255e-44	GPR83
ENSG00000114315	54.9308049296941	4.76375571571139	0.523651524022119	9.09718676863847	9.27018542921278e-20	8.03689527329096e-19	HES1
ENSG00000197565	2.68285383435953	4.79049965260127	1.83195450230381	2.6149664997558	0.00892362074466028	0.020545649329069	COL4A6
ENSG00000162975	55.4359617179224	4.79259935924015	0.534747960688908	8.96235182096985	3.17825921980995e-19	2.67903552017823e-18	KCNF1
ENSG00000170324	5.55000043138552	4.80710171218223	1.53921097165692	3.1230947548454	0.00178960122766791	0.004675233784992	FRMPD2
ENSG00000139117	6.32141944893613	4.80782231973608	1.55758524730575	3.08671536794051	0.00202381281295149	0.00524513744026844	CPNE8
ENSG00000104371	41.3248182346294	4.82224539623493	0.622861195431347	7.74208673072882	9.77982363389811e-15	6.74716001409074e-14	4,00 DKK
ENSG00000134470	6.40433935169534	4.83454272627212	1.49452637617492	3.23483265557723	0.00121714044662109	0.0032663300313067	IL15RA
ENSG00000165272	3585.04430708376	4.84112089508207	0.0815929999112218	59.3325518163262	0	0	AQP3
ENSG00000141934	166.805454976384	4.84823006847623	0.272371877681941	17.8000390853042	7.06195728120979e-71	2.31469432522032e-69	PLPP2
ENSG00000117983	5.75167498874653	4.85068748687347	1.82992499873485	2.6507575393675	0.00803114720362843	0.0186638441998924	MUC5B
ENSG00000198216	92.4056731763885	4.87664820268919	0.467376648240675	10.434086129562	1.73272969562108e-25	1.88262202418867e-24	CACNA1E
ENSG00000105327	43.7037079546058	4.91082437103666	0.63429566159045	7.74216925703563	9.77347605187791e-15	6.74541983165617e-14	BBC3
ENSG00000157502	2.93111538881542	4.92180836456456	1.87359264672223	2.62693620898602	0.00861574841242494	0.0198965567711762	PWWP3B
ENSG00000038427	1282.70455837307	4.93282836398135	0.150695432149821	32.7337616914435	5.16957328117921e-235	1.03591199136721e-232	VCAN
ENSG00000137491	22.9176188083173	4.94914106529411	0.760046600159687	6.51162845048486	7.4340417720581e-11	4.12757848263453e-10	SLCO2B1
ENSG00000188015	6.39833223394756	4.9531495621671	1.45849886757765	3.39605993002488	0.000683633896009012	0.00191261306080008	S100A3
ENSG00000225528	6.12283936465912	4.98098985137756	1.47757024087501	3.37106806403183	0.000748773555518198	0.00208000517927031	TMA7B
ENSG00000204816	3.05558476776224	4.98134135938187	2.16682664509567	2.29891088456776	0.0215100002053356	0.0453716918206804	FGF7P5
ENSG00000171557	3.12244308924413	4.98695502762281	1.92140442022775	2.59547390186168	0.0094460576361269	0.0216467550819313	FGG
ENSG00000145703	529.898056773548	4.98971720048898	0.199544394929388	25.0055492776666	5.32021345034758e-138	4.81110994786817e-136	IQGAP2
ENSG00000079337	9.85696400505986	4.99703911539987	1.26419139620897	3.95275520018954	7.72564636738272e-05	0.000246220943507007	RAPGEF3
ENSG00000160593	15.1413709934085	5.0098365294177	0.958526304648209	5.22660307299169	1.72652589771621e-07	7.28711289620095e-07	JAML
ENSG00000053747	123.882981722745	5.02369781115229	0.410745693684073	12.2306767627765	2.13155279775817e-34	3.04848353898358e-33	LAMA3

ENSG00000278302	3.16613543643542	5.02907449874934	1.76305436962382	2.85247839510609	0.00433797611346007	0.0106026558563682	KRTAP5-5
ENSG00000167105	6.33377274021523	5.02950289182223	1.50332960246477	3.3455756366243	0.000821119603851611	0.0022627946701546	TMEM92
ENSG00000205277	3.17195295350436	5.03139911791072	1.75714454656578	2.86339511894127	0.00419127545478713	0.0102777164637225	MUC12
ENSG00000163513	136.39296642574	5.03592408235927	0.363886773711937	13.8392611278195	1.47717136069253e-43	2.61268202351575e-42	TGFBR2
ENSG00000205038	57.9803360505873	5.05647531879745	0.403135334038859	12.5428730549083	4.34936036701607e-36	6.53293191754356e-35	PKHD1L1
ENSG00000186074	3.27658515548607	5.06146392901675	1.81384346187247	2.7904634746108	0.00526326384245217	0.012627536679973	CD300LF
ENSG00000108602	3.32271170847361	5.09855059793219	1.73632476893696	2.9364037702772	0.0033204182165558	0.00829234596101756	ALDH3A1
ENSG00000058085	1026.8942529522	5.0988470983356	0.140543956873603	36.2793763016164	3.42169228705982e-288	9.57747964920839e-286	LAMC2
ENSG00000122133	7.86699747500816	5.14626387436759	1.44689919243602	3.55675357431313	0.000375466053090996	0.00109292974252338	PAEP
ENSG00000042062	206.97936192874	5.15455943831397	0.316703540163202	16.275660940379	1.46924511838189e-59	3.73323752414212e-58	RIPOR3
ENSG00000135346	3.46547796222555	5.16012946078634	1.71045898315711	3.01680982215776	0.00255450021144757	0.0065199097884884	CGA
ENSG00000181790	8.82282450724612	5.16203227795509	1.34093634483822	3.84957294790743	0.00011832394144984	0.00036838354228928	ADGRB1
ENSG00000262217	19.4148413423636	5.16552965207447	0.965457552047718	5.35034361802699	8.77873842832706e-08	3.80822320898203e-07	SLC5A8
ENSG00000106483	6.18017487373192	5.18287926738816	1.52503350392677	3.39853469057756	0.000677478705235386	0.0018959942053834	SFRP4
ENSG00000176153	844.080260153993	5.18486318514592	0.191490189940022	27.0763906326998	1.86810066174974e-161	2.11167224803172e-159	GPX2
ENSG00000147081	3.57660368238701	5.20774787184505	1.703143967165	3.05772616540087	0.00223023274334964	0.00574633608945464	AKAP4
ENSG00000139269	197.529487474323	5.2146702217599	0.310988555825283	16.768045396145	4.18035331679656e-63	1.15362050686057e-61	INHBE
ENSG00000147408	303.66886886723	5.23354778911302	0.289679530469638	18.0666814138653	5.83177716102895e-73	2.00073070929153e-71	CSGALNACT1
ENSG00000164929	2486.78695892303	5.29200542815515	0.0981207356998967	53.9336093477815	0	0	BAALC
ENSG00000178934	3.84046904411782	5.31208191044234	1.70075236732021	3.12337175741365	0.00178791761401531	0.00467152751600919	LGALS7B
ENSG00000073792	67.5468868796787	5.31876777027362	0.573103146443694	9.28064660485366	1.68453140561607e-20	1.50101196597442e-19	IGF2BP2
ENSG00000128283	14.2007025141171	5.32925336570469	1.19757586203308	4.45003405183653	8.58566752830753e-06	3.05796124407544e-05	CDC42EP1
ENSG00000169442	3.9387375016381	5.34479428671142	1.65160522418334	3.23612096186863	0.00121166026690941	0.00325389529836781	CD52
ENSG00000167705	3.96257020385942	5.35232822318478	1.69382941835953	3.15989801875593	0.00157824370123168	0.00415880894015533	RILP
ENSG00000167434	7.845846397267	5.39865695568814	1.41643158899826	3.81144913571591	0.000138154485981745	0.000426126343776104	CA4
ENSG00000170485	274.344730230486	5.40300754765312	0.321588148912095	16.8010157275106	2.39900389874318e-63	6.68310185630919e-62	NPAS2
ENSG00000128285	4.10706713254112	5.40481942918831	1.65396065692746	3.26780410800627	0.00108385355305243	0.0029309421184675	MCHR1
ENSG00000023445	32.274623313376	5.41107633378586	0.818396588435986	6.61180216321137	3.7966919015557e-11	2.14930545720813e-10	BIRC3
ENSG00000175920	13.4429138316566	5.50089235696124	1.32440631050955	4.15347791180853	3.27459834954347e-05	0.00010921934423274	DOK7
ENSG00000113555	40.6339366468665	5.50160384679251	0.74083803308336	7.42618980277631	1.11770581098174e-13	7.30527215376276e-13	PCDH12
ENSG00000198796	17.7379190118505	5.5535037678099	1.23627893876841	4.49211225206371	7.05202346704225e-06	2.54149564311921e-05	ALPK2
ENSG00000214814	25.2765275289604	5.55915661857811	0.952618318297322	5.83566000338348	5.35780522797322e-09	2.6020252654938e-08	FER1L6
ENSG00000122786	4.79392047722525	5.62568498421195	1.60653046455427	3.50176053821227	0.000462194824836541	0.00132763374184192	CALD1
ENSG00000174307	86.2330014917496	5.6325584897143	0.466328024071397	12.0785331332606	1.37144492003943e-33	1.93009255546491e-32	PHLDA3
ENSG00000117154	4.87897426962277	5.65313393846674	1.61156678653695	3.50784961919858	0.000451744331326371	0.00129909646748357	IGSF21
ENSG00000248498	18.8755116131346	5.70234458626529	1.13776777995711	5.01187033656398	5.39035226425328e-07	2.16276386411473e-06	ASNSP1
ENSG00000175592	5.20740618368801	5.74772243503758	1.57956608718115	3.63879832675744	0.000273913194287987	0.000812752022223518	FOSL1
ENSG00000144596	5.61985524303385	5.78677262854081	1.58866062573539	3.64254802743798	0.000269952590312891	0.000801404710029886	GRIP2
ENSG00000274404	5.62536844229666	5.85642782604506	1.59554812775755	3.67048020937854	0.000242095214779105	0.000722964778563037	GOLGA6L22
ENSG00000173918	169.378275773244	5.87809432355379	0.395583572773271	14.8592983332066	6.05561026149707e-50	1.2330788839635e-48	C1QTNF1
ENSG00000151136	175.399524860001	5.8798722357265	0.401613323736009	14.6406303979882	1.54627870594168e-48	3.02967541117507e-47	ABTB3
ENSG00000229698	5.75393742751628	5.88612434947777	1.52647516178669	3.85602366604398	0.000115246335530521	0.000359627301494462	HLA-F
ENSG00000197520	5.86520414437073	5.91297761620883	1.54994463091331	3.8149605465097	0.000136204693017209	0.000420489068043673	FAM177B
ENSG00000156486	5.85327270382183	5.91596100507137	1.52450316688687	3.88058295552914	0.000104206394009769	0.000326796292364976	KCNS2
ENSG00000158125	33.074794109484	5.94999631280556	0.914386369164582	6.50709209307408	7.66194450486878e-11	4.24876507543572e-10	XDH
ENSG00000143355	11.1107477916273	5.9758636756842	1.43073019993368	4.17679285441882	2.95648033002264e-05	9.92283481911292e-05	LHX9
ENSG00000120708	105.410344685816	5.97714493403164	0.588403680922031	10.1582385152068	3.04528457993003e-24	3.15514384738461e-23	TGFBI
ENSG00000180210	61.913552389816	6.09354780875463	0.713054134047957	8.54570153623821	1.27757801382165e-17	1.01162149509344e-16	F2
ENSG00000213030	24.4442113328423	6.11359493778552	1.1653349458222	5.24621265302579	1.55257690107594e-07	6.58603345527377e-07	CGB8
ENSG00000149150	218.079025580959	6.25138379162236	0.387216571282786	16.1444118233694	1.24327987684891e-58	3.07921311072382e-57	SLC43A1
ENSG00000146648	26.8847427265932	6.3490509913476	1.12456825359754	5.64576758328071	1.64445879475892e-08	7.66139666757695e-08	EGFR
ENSG00000206437	8.57416188307086	6.4658009931758	1.41470204896028	4.57043304484346	4.8671741096954e-06	1.7825077518249e-05	LTB
ENSG00000131771	9.15878901523696	6.56132120287908	1.40930823749401	4.6557034354289	3.22876413806991e-06	1.2055055433141e-05	PPP1R1B
ENSG00000069482	19.1302208417345	6.65187638608941	1.28515615516448	5.17592851215663	2.26780285160596e-07	9.45623917834465e-07	GAL
ENSG00000159166	430.225697751642	6.65412196876894	0.31127340388277	21.3770977082095	2.1828977652037e-101	1.24977984388318e-99	LAD1
ENSG00000221843	10.0749548260008	6.6924607790819	1.41862355481289	4.71757342275667	2.38674276353174e-06	9.02784682370628e-06	C2orf16
ENSG00000122711	20.0807332747695	6.72841989678976	1.28897077507831	5.219994143297	1.7892878901345e-07	7.53397866633997e-07	SPINK4
ENSG00000187688	11.2329085561379	6.85602983623833	1.36341657460681	5.02856571053168	4.94162174037105e-07	1.99132901667512e-06	TRPV2
ENSG00000160886	11.3356257368257	6.8701413785645	1.35734079787005	5.06147121588416	4.16033556785564e-07	1.68923226809962e-06	LY6K
ENSG00000187288	11.4932021928736	6.88984783213005	1.354058558374	5.08829384779608	3.61299244892492e-07	1.47856831850411e-06	CIDEC
ENSG00000281618	11.5055167116361	6.89335787487465	1.36352879716299	5.05552789879995	4.29201876422692e-07	1.73949572255522e-06	IFITM10
ENSG00000189058	22.8570260745302	6.94424913143972	1.27153896422413	5.46129479852549	4.72674383201084e-08	2.11069639740894e-07	APOD
ENSG00000134240	70.343378142231	6.99767850340785	0.881560620586214	7.93783018433217	2.05748764163279e-15	1.46949117345292e-14	HMGCS2
ENSG00000131096	248.500081492374	7.05033289810335	0.431577593042823	16.33618846705	5.45586924869457e-60	1.39635411221306e-58	PYY
ENSG00000249948	12.984213442747	7.06479918132557	1.3361492162533	5.28743279222659	1.24044913374633e-07	5.31957199038979e-07	GBA3

ENSG00000133636	378.957785313363	7.06990417095584	0.384485588392058	18.3879562313963	1.64048435894254e-75	5.86780957111416e-74	NTS
ENSG00000110680	154.258423848933	7.23857395847466	0.67331560849165	10.750640364168	5.88516069885184e-27	6.64823342495537e-26	CALCA
ENSG00000173535	15.0893085005582	7.28000656033908	1.31893973694698	5.51958998308029	3.39791562284092e-08	1.53756335881901e-07	TNFRSF10C
ENSG00000130513	452.97925725444	7.33345345595092	0.389040752894138	18.8500906431939	2.93339324436345e-79	1.12450992328489e-77	GDF15
ENSG00000122859	95.5128181346884	7.49483301829143	0.86436805754254	8.67088152192918	4.28787693095979e-18	3.47164471076882e-17	NEUROG3
ENSG00000234846	18.0788591430727	7.5421094483276	1.29279590381283	5.83395215446128	5.41296490233467e-09	2.62592085523437e-08	NEU1
ENSG00000143595	208.91498794168	7.6185406528107	0.608831876985436	12.5133734628565	6.30869535560964e-36	9.42775711023901e-35	AQP10
ENSG00000270136	22.3831339318069	7.84858297167707	1.31079540288838	5.987649143705	2.12895694184866e-09	1.06866002597664e-08	MICOS10-NBL1
ENSG00000103888	853.148421275559	7.97156644638733	0.345533750581445	23.0702975699862	9.20289910181622e-118	6.67835073092293e-116	CEMIP
ENSG00000284395	49.7043949113508	8.03696476347027	1.22007808351899	6.58725443234731	4.48034142403724e-11	2.52497093868561e-10	PERCC1
ENSG00000158874	206.252952332387	8.1341471974458	0.741577782959166	10.9687040043023	5.40414194539921e-28	6.32359914168346e-27	APOA2
ENSG00000203697	502.187269704081	8.59639367024234	0.529668422086934	16.2297643427031	3.10649756339089e-59	7.79231550964936e-58	CAPN8
ENSG00000169429	50.2307722151733	9.01732278808603	1.22485250206198	7.36196625545183	1.81220788847353e-13	1.17142499653014e-12	CXCL8
ENSG00000125398	646.903522577525	9.03805958783266	0.555371586254101	16.2738962732916	1.51221571464847e-59	3.83138102185505e-58	SOX9
ENSG00000170270	54.5175137364412	9.13536909385796	3.90753401714033	2.33788600528769	0.0193931624371176	0.0414018191787084	GON7
ENSG00000011114	166.386508222681	10.7450961335393	3.90701315767366	2.75020730668263	0.00595575723209595	0.0141560618723251	BTBD7