

List of differential proteins and transcript

sheets	Description
DE proteins comb FDR 0.05 up	Differential proteins, which increased and has FDR p-value < 0.05
DE proteins comb FDR 0.05 down	Differential proteins, which decreased and has FDR p-value < 0.05
DE mRNA comb FDR 0.05 up	Differential mRNA which increased and has FDR p-value < 0.05
DE mRNA comb FDR 0.05 down	Differential mRNA, which decreased and has FDR p-value < 0.05

DE proteins comb FDR 0.05 up

Ensembl gene	logFC	logCPM	LR	PValue	adj.p	gene	geneDescription
ENSG00000128595	1.19317	9.40518	58.38251	2.16E-14	3.72E-11	CALU	calumenin [Source:HGNC Symbol;Acc:HGNC:1458]
ENSG00000173267	1.89795	8.30998	43.90399	3.45E-11	1.14E-08	SNCG	synuclein gamma [Source:HGNC Symbol;Acc:HGNC:11141]
ENSG00000149428	0.98218	9.92682	43.63452	3.96E-11	1.14E-08	HYOU1	hypoxia up-regulated 1 [Source:HGNC Symbol;Acc:HGNC:16931]
ENSG00000162735	3.60491	7.03458	42.27054	7.95E-11	1.96E-08	PEX19	peroxisomal biogenesis factor 19 [Source:HGNC Symbol;Acc:HGNC:9713]
ENSG00000127022	1.87779	8.75570	39.30611	3.62E-10	6.94E-08	CANX	calnexin [Source:HGNC Symbol;Acc:HGNC:1473]
ENSG00000163431	3.30390	7.38293	36.48381	1.54E-09	2.41E-07	LMOD1	leiomodulin 1 [Source:HGNC Symbol;Acc:HGNC:6647]
ENSG00000143420	2.39618	7.32907	35.70016	2.30E-09	3.11E-07	ENSA	endosulfine alpha [Source:HGNC Symbol;Acc:HGNC:3360]
ENSG00000047779	1.81747	7.98959	33.61459	6.72E-09	7.72E-07	NDUFAB1	NADH:ubiquinone oxidoreductase subunit AB1 [Source:HGNC Symbol;Acc:HGNC:7694]
ENSG00000099942	1.18977	8.52265	33.38503	7.56E-09	8.15E-07	CRKL	CRK like proto-oncogene, adaptor protein [Source:HGNC Symbol;Acc:HGNC:2363]
ENSG0000005194	2.24576	7.20748	30.37993	3.55E-08	3.06E-06	CIAPIN1	cytokine induced apoptosis inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:28050]
ENSG00000138385	0.67268	9.66788	30.13051	4.04E-08	3.18E-06	SSB	Sjogren syndrome antigen B [Source:HGNC Symbol;Acc:HGNC:11316]
ENSG00000115677	0.97378	8.90102	29.85969	4.64E-08	3.37E-06	HDLBP	high density lipoprotein binding protein [Source:HGNC Symbol;Acc:HGNC:4857]
ENSG00000070081	1.16560	8.75927	28.85410	7.80E-08	4.98E-06	NUCB2	nucleobindin 2 [Source:HGNC Symbol;Acc:HGNC:8044]
ENSG00000054116	3.40844	6.59476	27.31377	1.73E-07	9.94E-06	TRAPPC3	trafficking protein particle complex 3 [Source:HGNC Symbol;Acc:HGNC:19942]
ENSG00000100650	2.89551	6.97919	25.46220	4.51E-07	2.43E-05	SRSF5	serine and arginine rich splicing factor 5 [Source:HGNC Symbol;Acc:HGNC:10787]
ENSG00000151150	2.71985	7.03398	25.39562	4.67E-07	2.44E-05	ANK3	ankyrin 3 [Source:HGNC Symbol;Acc:HGNC:494]
ENSG00000205581	2.27577	7.23870	25.20710	5.15E-07	2.61E-05	HMG1	high mobility group nucleosome binding domain 1 [Source:HGNC Symbol;Acc:HGNC:4984]
ENSG00000187908	3.52544	7.93586	25.11755	5.39E-07	2.66E-05	DMBT1	deleted in malignant brain tumors 1 [Source:HGNC Symbol;Acc:HGNC:2926]
ENSG00000131016	0.54773	10.96913	24.75191	6.52E-07	3.12E-05	AKAP12	A-kinase anchoring protein 12 [Source:HGNC Symbol;Acc:HGNC:370]
ENSG00000117983	6.03579	9.09665	24.21007	8.64E-07	3.92E-05	MUC5B	mucin 5B, oligomeric mucus/gel-forming [Source:HGNC Symbol;Acc:HGNC:7516]
ENSG00000116455	3.27039	6.74275	23.44734	1.28E-06	5.68E-05	WDR77	WD repeat domain 77 [Source:HGNC Symbol;Acc:HGNC:29652]
ENSG00000101443	3.52974	7.12534	23.22345	1.44E-06	6.22E-05	WFDC2	WAP four-disulfide core domain 2 [Source:HGNC Symbol;Acc:HGNC:15939]
ENSG00000163754	1.23158	8.03692	22.89768	1.71E-06	7.05E-05	GYG1	glycogenin 1 [Source:HGNC Symbol;Acc:HGNC:4699]
ENSG00000164879	1.05705	9.46880	22.88752	1.72E-06	7.05E-05	CA3	carbonic anhydrase 3 [Source:HGNC Symbol;Acc:HGNC:1374]
ENSG00000125977	1.24397	8.02257	22.65407	1.94E-06	7.60E-05	EIF2S2	eukaryotic translation initiation factor 2 subunit beta [Source:HGNC Symbol;Acc:HGNC:3266]
ENSG00000198157	2.54469	6.91097	22.15908	2.51E-06	9.01E-05	HMG5	high mobility group nucleosome binding domain 5 [Source:HGNC Symbol;Acc:HGNC:8013]
ENSG00000076554	2.23612	7.04991	21.25055	4.03E-06	0.000134	TPD52	tumor protein D52 [Source:HGNC Symbol;Acc:HGNC:12005]
ENSG00000130811	1.12696	8.17608	20.50046	5.96E-06	0.000180	EIF3G	eukaryotic translation initiation factor 3 subunit G [Source:HGNC Symbol;Acc:HGNC:3274]
ENSG00000090273	0.98190	8.53567	20.52810	5.88E-06	0.000180	NUDC	nuclear distribution C, dynein complex regulator [Source:HGNC Symbol;Acc:HGNC:8045]
ENSG00000078140	2.04346	7.11456	20.08800	7.40E-06	0.000216	UBE2K	ubiquitin conjugating enzyme E2 K [Source:HGNC Symbol;Acc:HGNC:4914]
ENSG00000166503	1.33234	7.91794	19.91935	8.08E-06	0.000232	RP11-382A20.3	Hepatoma-derived growth factor-related protein 3 [Source:UniProtKB/Swiss-Prot;Acc:Q9Y3E1]
ENSG00000187239	2.06160	6.95761	19.31237	1.11E-05	0.000304	FNBP1	formin binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17069]
ENSG00000051620	0.75965	8.81799	19.05229	1.27E-05	0.000327	HEBP2	heme binding protein 2 [Source:HGNC Symbol;Acc:HGNC:15716]
ENSG00000104131	1.27930	7.74392	18.98338	1.32E-05	0.000334	EIF3J	eukaryotic translation initiation factor 3 subunit J [Source:HGNC Symbol;Acc:HGNC:3270]
ENSG00000126878	1.61936	7.27324	18.85871	1.41E-05	0.000352	AIF1L	allograft inflammatory factor 1 like [Source:HGNC Symbol;Acc:HGNC:28904]
ENSG00000170606	0.69524	9.73380	18.43806	1.76E-05	0.000415	HSPA4	heat shock protein family A (Hsp70) member 4 [Source:HGNC Symbol;Acc:HGNC:5237]
ENSG00000155660	0.43765	10.71761	18.44511	1.75E-05	0.000415	PDIA4	protein disulfide isomerase family A member 4 [Source:HGNC Symbol;Acc:HGNC:30167]
ENSG00000163636	1.13237	7.96507	17.71441	2.57E-05	0.000575	PSMD6	proteasome 26S subunit, non-ATPase 6 [Source:HGNC Symbol;Acc:HGNC:9564]
ENSG00000165416	1.07752	7.97071	17.36732	3.08E-05	0.000656	SUGT1	SGT1 homolog, M1512 kinetochore complex assembly co-chaperone [Source:HGNC Symbol;Acc:HGNC:16987]
ENSG00000159140	2.49785	6.91185	17.30322	3.19E-05	0.000670	SON	SON DNA binding protein [Source:HGNC Symbol;Acc:HGNC:11183]
ENSG00000147475	1.29421	7.70478	17.09069	3.56E-05	0.000728	ERLIN2	ER lipid raft associated 2 [Source:HGNC Symbol;Acc:HGNC:1356]
ENSG00000142864	0.84117	8.39429	17.10256	3.54E-05	0.000728	SERP1	SERPINE1 mRNA binding protein 1 [Source:HGNC Symbol;Acc:HGNC:17860]
ENSG00000166741	2.42305	7.37522	16.60714	4.60E-05	0.000901	NNMT	nicotinamide N-methyltransferase [Source:HGNC Symbol;Acc:HGNC:7861]
ENSG00000277443	0.50345	9.75373	16.35836	5.24E-05	0.000987	MARCKS	myristoylated alanine rich protein kinase C substrate [Source:HGNC Symbol;Acc:HGNC:6759]
ENSG00000173692	0.88513	8.79821	16.20900	5.67E-05	0.001040	PSMD1	proteasome 26S subunit, non-ATPase 1 [Source:HGNC Symbol;Acc:HGNC:9554]
ENSG00000184432	0.89617	8.79262	16.01453	6.29E-05	0.001141	COPB2	coatamer protein complex subunit beta 2 [Source:HGNC Symbol;Acc:HGNC:2232]
ENSG00000163520	0.74055	9.80336	15.50788	8.22E-05	0.001475	FBLN2	fibulin 2 [Source:HGNC Symbol;Acc:HGNC:3601]
ENSG00000070756	1.18953	7.85224	15.40760	8.66E-05	0.001540	PABPC1	poly(A) binding protein cytoplasmic 1 [Source:HGNC Symbol;Acc:HGNC:8554]
ENSG00000078018	2.45636	7.11836	15.32270	9.06E-05	0.001594	MAP2	microtubule associated protein 2 [Source:HGNC Symbol;Acc:HGNC:6839]
ENSG00000158417	2.12771	6.89489	15.08687	0.000103	0.001753	EIF5B	eukaryotic translation initiation factor 5B [Source:HGNC Symbol;Acc:HGNC:30793]
ENSG00000100442	0.85163	8.20422	14.41330	0.000147	0.002481	FKBP3	FK506 binding protein 3 [Source:HGNC Symbol;Acc:HGNC:3719]
ENSG00000187955	0.61647	11.49944	14.22497	0.000162	0.002604	COL14A1	collagen type XIV alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2191]
ENSG00000135316	0.52667	9.38945	14.21464	0.000163	0.002604	SYNCRIP	synaptotagmin binding cytoplasmic RNA interacting protein [Source:HGNC Symbol;Acc:HGNC:16918]
ENSG00000102241	1.84621	6.98484	14.14472	0.000169	0.002606	HTATSF1	HIV-1 Tat specific factor 1 [Source:HGNC Symbol;Acc:HGNC:5276]
ENSG00000162191	1.62760	7.13907	14.15891	0.000168	0.002606	UBXN1	UBX domain protein 1 [Source:HGNC Symbol;Acc:HGNC:18402]
ENSG00000163453	1.47188	7.24300	13.89760	0.000193	0.002894	IGFBP7	insulin like growth factor binding protein 7 [Source:HGNC Symbol;Acc:HGNC:5476]
ENSG00000119640	1.65953	7.09315	13.76252	0.000207	0.003005	ACY1	acylphosphatase 1 [Source:HGNC Symbol;Acc:HGNC:179]
ENSG00000166165	0.49900	10.49258	13.70337	0.000214	0.003067	CKB	creatine kinase B [Source:HGNC Symbol;Acc:HGNC:1991]
ENSG00000247596	1.31033	7.39852	13.27525	0.000269	0.003680	TWF2	twinfilin actin binding protein 2 [Source:HGNC Symbol;Acc:HGNC:9621]
ENSG00000180817	0.42389	9.86849	12.89317	0.000330	0.004407	PPA1	pyrophosphatase (inorganic) 1 [Source:HGNC Symbol;Acc:HGNC:9226]
ENSG00000170476	1.20862	8.70125	12.86970	0.000334	0.004429	MZB1	marginal zone B and B1 cell specific protein [Source:HGNC Symbol;Acc:HGNC:30125]
ENSG00000110075	2.37618	6.56709	12.83413	0.000340	0.004479	PPP6R3	protein phosphatase 6 regulatory subunit 3 [Source:HGNC Symbol;Acc:HGNC:1173]
ENSG00000127527	0.78242	8.34436	12.36664	0.000437	0.005666	EPS15L1	epidermal growth factor receptor pathway substrate 15 like 1 [Source:HGNC Symbol;Acc:HGNC:24634]
ENSG00000121769	1.20774	7.78707	12.33514	0.000445	0.005719	FABP3	fatty acid binding protein 3 [Source:HGNC Symbol;Acc:HGNC:3557]
ENSG00000150593	1.04568	8.19717	12.19895	0.000478	0.006089	PDCD4	programmed cell death 4 [Source:HGNC Symbol;Acc:HGNC:8763]
ENSG00000106804	0.77981	9.63506	12.19046	0.000480	0.006089	C5	complement C5 [Source:HGNC Symbol;Acc:HGNC:1331]
ENSG00000140905	1.79804	6.95702	12.07916	0.000510	0.006414	GCSH	glycine cleavage system protein H [Source:HGNC Symbol;Acc:HGNC:4208]
ENSG00000172403	1.71813	8.85307	12.06642	0.000513	0.006414	SYNPO2	synaptopodin 2 [Source:HGNC Symbol;Acc:HGNC:17732]
ENSG00000221823	2.04010	6.71928	12.00846	0.000530	0.006521	PPP3R1	protein phosphatase 3 regulatory subunit B, alpha [Source:HGNC Symbol;Acc:HGNC:9317]
ENSG00000114354	1.44964	7.33921	11.98907	0.000535	0.006521	TFG	TRK-fused gene [Source:HGNC Symbol;Acc:HGNC:11758]
ENSG00000117906	1.10966	7.66889	11.98210	0.000537	0.006521	RCN2	reticulocalbin 2 [Source:HGNC Symbol;Acc:HGNC:9935]
ENSG00000125844	0.55935	10.86402	11.91738	0.000556	0.006705	RRBP1	ribosome binding protein 1 [Source:HGNC Symbol;Acc:HGNC:10448]
ENSG00000143401	0.75234	8.41091	11.83139	0.000582	0.006973	ANP32E	acidic nuclear phosphoprotein 32 family member E [Source:HGNC Symbol;Acc:HGNC:16673]
ENSG00000100348	1.68418	6.93132	11.78711	0.000596	0.007091	TXN2	thioredoxin 2 [Source:HGNC Symbol;Acc:HGNC:17772]
ENSG00000172939	1.10644	7.76717	11.70659	0.000623	0.007304	OXR1	oxidative stress responsive 1 [Source:HGNC Symbol;Acc:HGNC:8508]
ENSG00000101856	1.29083	7.27950	11.62953	0.000649	0.007461	PGRMC1	progesterone receptor membrane component 1 [Source:HGNC Symbol;Acc:HGNC:16090]
ENSG00000213619	0.99287	7.89313	11.56804	0.000671	0.007660	NDUFS3	NADH:ubiquinone oxidoreductase core subunit S3 [Source:HGNC Symbol;Acc:HGNC:7710]
ENSG00000164258	1.35936	7.43260	11.52145	0.000688	0.007784	NDUFS4	NADH:ubiquinone oxidoreductase subunit S4 [Source:HGNC Symbol;Acc:HGNC:7711]
ENSG00000116161	0.69384	8.35646	11.50585	0.000694	0.007784	CACYBP	calyculin binding protein [Source:HGNC Symbol;Acc:HGNC:30423]
ENSG00000166482	0.66331	9.29411	11.40976	0.000731	0.008126	MFAP4	microfibrillar associated protein 4 [Source:HGNC Symbol;Acc:HGNC:7035]
ENSG00000184357	0.80869	8.05779	11.37737	0.000743	0.008216	HIST1H1B	histone cluster 1 H1 family member b [Source:HGNC Symbol;Acc:HGNC:4719]
ENSG00000183963	2.37825	7.21158	11.29993	0.000775	0.008457	SMTN	smoothelin [Source:HGNC Symbol;Acc:HGNC:11126]
ENSG00000111642	2.04250	6.73210	11.18843	0.000823	0.008925	CHD4	chromodomain helicase DNA binding protein 4 [Source:HGNC Symbol;Acc:HGNC:1919]
ENSG00000123131	1.08580	8.09242	11.11809	0.000855	0.009154	PRDX4	peroxiredoxin 4 [Source:HGNC Symbol;Acc:HGNC:17169]
ENSG00000141741	2.01209	6.98172	10.94742	0.000937	0.009794	MIEN1	migration and invasion enhancer 1 [Source:HGNC Symbol;Acc:HGNC:28230]
ENSG00000121022	1.60576	7.03050	10.88269	0.000971	0.009935	COP5	COP9 signalosome subunit 5 [Source:HGNC Symbol;Acc:HGNC:2240]
ENSG00000145050	1.22339	7.49081	10.82759	0.001000	0.010141	MANF	mesencephalic astrocyte derived neurotrophic factor [Source:HGNC Symbol;Acc:HGNC:15461]
ENSG00000205339	1.41559	7.14156	10.78367	0.001024	0.010204	IPO7	importin 7 [Source:HGNC Symbol;Acc:HGNC:9852]
ENSG00000029725	2.10771	6.86284	10.50780	0.001189	0.011578	RABEP1	rabaptin, RAB GTPase binding effector protein 1 [Source:HGNC Symbol;Acc:HGNC:17677]
ENSG00000136842	0.93789	8.19258	10.48158	0.001206	0.011612	TMOD1	tropomodulin 1 [Source:HGNC Symbol;Acc:HGNC:11871]
ENSG00000142552	1.76826	7.08522	10.42204	0.001245	0.011		

DE proteins comb FDR 0.05 up

Ensembl gene	logFC	logCPM	LR	PValue	adj.p	gene	geneDescription
ENSG00000177954	1.58926	6.77895	10.10305	0.001480	0.013291	RPS27	ribosomal protein S27 [Source:HGNC Symbol;Acc:HGNC:10416]
ENSG00000152795	0.56674	8.74921	10.03331	0.001537	0.013592	HNRNPDL	heterogeneous nuclear ribonucleoprotein D like [Source:HGNC Symbol;Acc:HGNC:5037]
ENSG00000136854	1.69990	6.80898	9.93424	0.001622	0.014197	STXBP1	syntaxin binding protein 1 [Source:HGNC Symbol;Acc:HGNC:11444]
ENSG00000005893	1.08156	7.49738	9.87148	0.001679	0.014492	LAMP2	lysosomal associated membrane protein 2 [Source:HGNC Symbol;Acc:HGNC:6501]
ENSG00000155368	0.60902	9.34453	9.78387	0.001760	0.015025	DBI	diazepam binding inhibitor, acyl-CoA binding protein [Source:HGNC Symbol;Acc:HGNC:2690]
ENSG00000163956	1.27303	7.80955	9.73078	0.001812	0.015389	LRPAP1	LDL receptor related protein associated protein 1 [Source:HGNC Symbol;Acc:HGNC:6701]
ENSG00000099622	0.76580	8.02867	9.67956	0.001863	0.015747	CIRBP	cold inducible RNA binding protein [Source:HGNC Symbol;Acc:HGNC:1982]
ENSG00000125743	1.13487	7.37467	9.60067	0.001945	0.016278	SNRPD2	small nuclear ribonucleoprotein D2 polypeptide [Source:HGNC Symbol;Acc:HGNC:11159]
ENSG00000106263	0.66166	8.45687	9.58910	0.001957	0.016302	EIF3B	eukaryotic translation initiation factor 3 subunit B [Source:HGNC Symbol;Acc:HGNC:3280]
ENSG00000132485	1.94555	6.99599	9.48384	0.002073	0.017017	ZRANB2	zinc finger RANBP2-type containing 2 [Source:HGNC Symbol;Acc:HGNC:13058]
ENSG00000130175	0.31806	10.38903	9.46988	0.002089	0.017066	PRKCSH	protein kinase C substrate 80K-H [Source:HGNC Symbol;Acc:HGNC:9411]
ENSG00000115884	1.61976	6.75134	9.42656	0.002139	0.017305	SDC1	syndecan 1 [Source:HGNC Symbol;Acc:HGNC:10658]
ENSG00000023228	0.99326	8.36746	9.41848	0.002148	0.017305	NDUFS1	NADH:ubiquinone oxidoreductase core subunit S1 [Source:HGNC Symbol;Acc:HGNC:7707]
ENSG00000088367	1.12198	7.34533	9.39192	0.002179	0.017476	EPB41L1	erythrocyte membrane protein band 4.1 like 1 [Source:HGNC Symbol;Acc:HGNC:3378]
ENSG00000111786	0.88674	7.96805	9.38270	0.002190	0.017483	SRSF9	serine and arginine rich splicing factor 9 [Source:HGNC Symbol;Acc:HGNC:10791]
ENSG00000100941	1.01992	7.48999	9.19519	0.002427	0.018929	PNN	pinin, desmosome associated protein [Source:HGNC Symbol;Acc:HGNC:9162]
ENSG00000198380	1.83660	7.04375	9.17517	0.002453	0.018993	GFPT1	glutamine--fructose-6-phosphate transaminase 1 [Source:HGNC Symbol;Acc:HGNC:4241]
ENSG00000133706	1.26230	7.26335	9.17255	0.002457	0.018993	LARS	leucyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:6512]
ENSG00000164830	1.79061	7.00280	9.13785	0.002504	0.019184	OXR1	oxidation resistance 1 [Source:HGNC Symbol;Acc:HGNC:15822]
ENSG00000136193	0.76397	8.29945	9.07135	0.002596	0.019719	SCRN1	secernin 1 [Source:HGNC Symbol;Acc:HGNC:22192]
ENSG00000182512	1.19803	7.19532	9.02033	0.002670	0.020013	GLRX5	glutaredoxin 5 [Source:HGNC Symbol;Acc:HGNC:20134]
ENSG00000106853	1.59008	7.34472	9.00054	0.002699	0.020020	PTGR1	prostaglandin reductase 1 [Source:HGNC Symbol;Acc:HGNC:18429]
ENSG00000108821	1.24378	7.59302	8.99604	0.002706	0.020020	COL1A1	collagen type I alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2197]
ENSG00000108465	1.69346	7.11116	8.82765	0.002967	0.021696	CDK5RAP3	CDK5 regulatory subunit associated protein 3 [Source:HGNC Symbol;Acc:HGNC:18673]
ENSG00000164754	1.52829	6.99930	8.82578	0.002970	0.021696	RAD21	RAD21 cohesin complex component [Source:HGNC Symbol;Acc:HGNC:9811]
ENSG00000085063	0.97207	7.53217	8.80223	0.003009	0.021765	CD59	CD59 molecule [Source:HGNC Symbol;Acc:HGNC:1689]
ENSG00000065534	0.38083	10.34490	8.80091	0.003011	0.021765	MYLK	myosin light chain kinase [Source:HGNC Symbol;Acc:HGNC:7590]
ENSG00000113013	0.43555	10.30085	8.78026	0.003045	0.021874	HSPA9	heat shock protein family A (Hsp70) member 9 [Source:HGNC Symbol;Acc:HGNC:5244]
ENSG00000143321	0.36793	10.02498	8.75611	0.003086	0.021982	HDGF	hepatoma derived growth factor [Source:HGNC Symbol;Acc:HGNC:4856]
ENSG00000110958	0.71771	8.75332	8.74768	0.003100	0.021993	VTGES3	prostaglandin E synthase 3 [Source:HGNC Symbol;Acc:HGNC:16049]
ENSG00000038427	1.41757	7.74305	8.73422	0.003123	0.022065	VCAN	versican [Source:HGNC Symbol;Acc:HGNC:2464]
ENSG00000166228	1.35149	7.57456	8.64564	0.003278	0.022976	PCBD1	pterin-4 alpha-carbinolamine dehydratase 1 [Source:HGNC Symbol;Acc:HGNC:8646]
ENSG00000119318	0.38267	9.53995	8.64908	0.003272	0.022976	RAD23B	RAD23 homolog B, nucleotide excision repair protein [Source:HGNC Symbol;Acc:HGNC:9813]
ENSG00000116120	1.31679	7.58183	8.61504	0.003334	0.023131	FARSB	phenylalanyl-tRNA synthetase beta subunit [Source:HGNC Symbol;Acc:HGNC:17800]
ENSG00000125166	1.23091	8.21647	8.61275	0.003338	0.023131	GOT2	glutamic-oxaloacetic transaminase 2 [Source:HGNC Symbol;Acc:HGNC:4433]
ENSG00000103381	0.82433	7.75809	8.61127	0.003341	0.023131	CPPED1	calcineurin like phosphoesterase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25632]
ENSG00000163902	1.00140	8.13714	8.58105	0.003397	0.023331	RPN1	ribophorin I [Source:HGNC Symbol;Acc:HGNC:10381]
ENSG00000133789	0.89878	7.92157	8.58816	0.003384	0.023331	SWAP70	SWAP switching B-cell complex subunit 70 [Source:HGNC Symbol;Acc:HGNC:17070]
ENSG00000113758	0.77754	7.91167	8.54684	0.003461	0.023606	DBN1	drebrin 1 [Source:HGNC Symbol;Acc:HGNC:2695]
ENSG00000160213	0.61979	8.58023	8.47220	0.003606	0.024285	CSTB	cystatin B [Source:HGNC Symbol;Acc:HGNC:2482]
ENSG00000187109	0.55503	8.61420	8.47530	0.003600	0.024285	NAP1L1	nucleosome assembly protein 1 like 1 [Source:HGNC Symbol;Acc:HGNC:7637]
ENSG00000106244	0.96475	7.55883	8.42072	0.003710	0.024885	PDAP1	PDGFA associated protein 1 [Source:HGNC Symbol;Acc:HGNC:14634]
ENSG00000136450	0.43568	9.91084	8.36434	0.003827	0.025478	SRSF1	serine and arginine rich splicing factor 1 [Source:HGNC Symbol;Acc:HGNC:10780]
ENSG00000163818	1.62677	7.54969	8.27438	0.004021	0.026511	LZTFL1	leucine zipper transcription factor like 1 [Source:HGNC Symbol;Acc:HGNC:6741]
ENSG0000011454	1.59643	6.66985	8.27549	0.004018	0.026511	RABGAP1	RAB GTPase activating protein 1 [Source:HGNC Symbol;Acc:HGNC:17155]
ENSG00000108561	0.62754	8.81543	8.27074	0.004029	0.026511	C1QBP	complement C1q binding protein [Source:HGNC Symbol;Acc:HGNC:1243]
ENSG00000120705	0.84845	7.75251	8.24860	0.004078	0.026734	ETF1	eukaryotic translation termination factor 1 [Source:HGNC Symbol;Acc:HGNC:3477]
ENSG00000105887	0.61983	8.54982	8.21537	0.004154	0.027125	MTPN	myotrophin [Source:HGNC Symbol;Acc:HGNC:15667]
ENSG0000011304	0.37216	9.58864	8.15286	0.004299	0.027865	PTBP1	polypyrimidine tract binding protein 1 [Source:HGNC Symbol;Acc:HGNC:9583]
ENSG00000113643	1.13348	7.68170	8.12388	0.004369	0.028208	RARS	arginyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:9870]
ENSG00000135842	0.93124	7.84149	8.10459	0.004415	0.028403	FAM129A	family with sequence similarity 129 member A [Source:HGNC Symbol;Acc:HGNC:16784]
ENSG00000176788	0.44133	9.36601	8.08839	0.004455	0.028552	BASP1	brain abundant membrane attached signal protein 1 [Source:HGNC Symbol;Acc:HGNC:957]
ENSG00000107317	1.28415	7.12876	8.02227	0.004621	0.029286	PTGDS	prostaglandin D2 synthase [Source:HGNC Symbol;Acc:HGNC:9592]
ENSG00000159212	1.19115	8.73217	7.99497	0.004691	0.029514	CLIC6	chloride intracellular channel 6 [Source:HGNC Symbol;Acc:HGNC:2065]
ENSG00000126777	0.51360	10.43675	7.83855	0.005114	0.031831	KTN1	kinectin 1 [Source:HGNC Symbol;Acc:HGNC:6467]
ENSG00000133226	1.25995	7.17572	7.80812	0.005201	0.032255	SRRM1	serine and arginine repetitive matrix 1 [Source:HGNC Symbol;Acc:HGNC:16638]
ENSG00000147649	0.89013	7.60465	7.76625	0.005323	0.032659	MTDH	metadherin [Source:HGNC Symbol;Acc:HGNC:29608]
ENSG00000137124	1.82284	7.05053	7.72059	0.005459	0.033258	ALDH1B1	aldehyde dehydrogenase 1 family member B1 [Source:HGNC Symbol;Acc:HGNC:407]
ENSG00000070814	1.17629	7.67482	7.64035	0.005708	0.034526	TCOF1	treacle ribosome biogenesis factor 1 [Source:HGNC Symbol;Acc:HGNC:11654]
ENSG00000134440	0.77568	8.22441	7.61030	0.005804	0.034984	NARS	asparaginyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:7643]
ENSG00000126524	0.60139	8.25413	7.57852	0.005907	0.035336	SBDS	SBDS ribosome assembly guanine nucleotide exchange factor [Source:HGNC Symbol;Acc:HGNC:19440]
ENSG00000069275	0.96357	7.87618	7.56039	0.005967	0.035470	NUCKS1	nuclear casein kinase and cyclin dependent kinase substrate 1 [Source:HGNC Symbol;Acc:HGNC:29923]
ENSG00000117899	0.76598	7.84490	7.52377	0.006089	0.035916	MESDC2	mesoderm development candidate 2 [Source:HGNC Symbol;Acc:HGNC:13520]
ENSG00000065613	0.70897	7.92264	7.51318	0.006125	0.035916	SLK	STE20 like kinase [Source:HGNC Symbol;Acc:HGNC:11088]
ENSG00000196531	0.49920	8.68219	7.50599	0.006149	0.035938	NACA	nascent polypeptide-associated complex alpha subunit [Source:HGNC Symbol;Acc:HGNC:7629]
ENSG00000118939	0.68358	7.89735	7.43285	0.006404	0.037176	UCHL3	ubiquitin C-terminal hydrolase L3 [Source:HGNC Symbol;Acc:HGNC:12515]
ENSG00000131725	1.13110	7.27239	7.36518	0.006650	0.038471	WDR44	WD repeat domain 44 [Source:HGNC Symbol;Acc:HGNC:30512]
ENSG00000170017	1.61385	7.35713	7.20276	0.007279	0.041011	ALCAM	activated leukocyte cell adhesion molecule [Source:HGNC Symbol;Acc:HGNC:400]
ENSG00000004700	1.10938	7.30187	7.20464	0.007272	0.041011	RECQL	RecQ like helicase [Source:HGNC Symbol;Acc:HGNC:9948]
ENSG00000198589	1.10267	7.80885	7.20456	0.007272	0.041011	LRBA	LPS responsive beige-like anchor protein [Source:HGNC Symbol;Acc:HGNC:1742]
ENSG00000147010	0.91851	7.77556	7.21884	0.007214	0.041011	SH3BP1	SH3 domain containing kinase binding protein 1 [Source:HGNC Symbol;Acc:HGNC:13867]
ENSG00000072110	0.33648	11.36299	7.10811	0.007674	0.042538	ACTN1	actinin alpha 1 [Source:HGNC Symbol;Acc:HGNC:163]
ENSG00000140939	1.19093	7.12788	7.00411	0.008132	0.044395	NOL3	nucleolar protein 3 [Source:HGNC Symbol;Acc:HGNC:7869]
ENSG00000039068	1.14570	7.57053	7.00300	0.008137	0.044395	CDH1	cadherin 1 [Source:HGNC Symbol;Acc:HGNC:1748]
ENSG00000132780	0.69986	8.21702	7.00866	0.008112	0.044395	NASP	nuclear autoantigenic sperm protein [Source:HGNC Symbol;Acc:HGNC:7644]
ENSG00000149021	0.91951	9.39535	6.95652	0.008351	0.045419	SCGB1A1	secretoglobin family 1A member 1 [Source:HGNC Symbol;Acc:HGNC:12523]
ENSG00000136068	0.26531	12.05942	6.94844	0.008389	0.045481	FLNB	filamin B [Source:HGNC Symbol;Acc:HGNC:3755]
ENSG00000082397	0.72031	8.59886	6.89066	0.008665	0.046765	EPB41L3	erythrocyte membrane protein band 4.1 like 3 [Source:HGNC Symbol;Acc:HGNC:3380]
ENSG00000167193	0.44423	9.11476	6.88747	0.008680	0.046765	CRK	CRK proto-oncogene, adaptor protein [Source:HGNC Symbol;Acc:HGNC:2362]
ENSG00000174059	1.03007	7.18482	6.83715	0.008928	0.047653	CD34	CD34 molecule [Source:HGNC Symbol;Acc:HGNC:1662]
ENSG00000122218	0.59310	8.90191	6.74017	0.009427	0.049834	COPA	coatamer protein complex subunit alpha [Source:HGNC Symbol;Acc:HGNC:2230]

DE proteins comb FDR 0.05 down

Ensembl gene	logFC	logCPM	LR	PValue	adj_p	gene	geneDescription
ENSG0000013016	-2.81437	7.60025	46.93976	7.32E-12	6.31E-09	EHD3	EH domain containing 3 [Source:HGNC Symbol;Acc:HGNC:3244]
ENSG0000049860	-1.62317	8.44118	45.30247	1.69E-11	9.70E-09	HEXB	hexosaminidase subunit beta [Source:HGNC Symbol;Acc:HGNC:4879]
ENSG00000115109	-4.22378	6.78620	44.16874	3.01E-11	1.14E-08	EPB41L5	erythrocyte membrane protein band 4.1 like 5 [Source:HGNC Symbol;Acc:HGNC:19819]
ENSG00000116962	-0.78593	9.99436	40.52745	1.94E-10	4.18E-08	NID1	nidogen 1 [Source:HGNC Symbol;Acc:HGNC:7821]
ENSG00000138772	-0.67329	10.55724	36.63479	1.42E-09	2.41E-07	ANXA3	annexin A3 [Source:HGNC Symbol;Acc:HGNC:541]
ENSG00000170248	-0.72888	10.03715	35.66082	2.35E-09	3.11E-07	PDCD6IP	programmed cell death 6 interacting protein [Source:HGNC Symbol;Acc:HGNC:8766]
ENSG00000164120	-2.97731	7.00123	34.18710	5.01E-09	6.16E-07	HPGD	hydroxyprostaglandin dehydrogenase 15-(NAD) [Source:HGNC Symbol;Acc:HGNC:5154]
ENSG0000034510	-2.63016	7.86195	32.94964	9.46E-09	9.59E-07	TMSB10	thymosin beta 10 [Source:HGNC Symbol;Acc:HGNC:11879]
ENSG00000169583	-1.28476	8.52447	31.50627	1.99E-08	1.90E-06	CLIC3	chloride intracellular channel 3 [Source:HGNC Symbol;Acc:HGNC:2064]
ENSG00000074800	-0.52822	11.21231	31.18070	2.35E-08	2.13E-06	ENO1	enolase 1 [Source:HGNC Symbol;Acc:HGNC:3350]
ENSG00000205542	-1.36636	10.22675	30.12424	4.05E-08	3.18E-06	TMSB4X	thymosin beta 4, X-linked [Source:HGNC Symbol;Acc:HGNC:11881]
ENSG00000198682	-2.68513	7.34941	29.84082	4.69E-08	3.37E-06	PAPSS2	3'-phosphoadenosine 5'-phosphosulfate synthase 2 [Source:HGNC Symbol;Acc:HGNC:8604]
ENSG00000130702	-0.70059	10.30611	29.57212	5.39E-08	3.72E-06	LAMA5	laminin subunit alpha 5 [Source:HGNC Symbol;Acc:HGNC:6485]
ENSG00000167315	-0.85452	9.35052	29.23111	6.42E-08	4.26E-06	ACAA2	acetyl-CoA acyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:83]
ENSG00000168477	-1.89982	9.80196	28.36435	1.00E-07	6.19E-06	TNXB	tenascin XB [Source:HGNC Symbol;Acc:HGNC:11976]
ENSG00000148672	-0.60409	10.23071	28.04081	1.19E-07	7.06E-06	GLUD1	glutamate dehydrogenase 1 [Source:HGNC Symbol;Acc:HGNC:4335]
ENSG00000111275	-0.58721	11.13415	25.48981	4.45E-07	2.43E-05	ALDH2	aldehyde dehydrogenase 2 family (mitochondrial) [Source:HGNC Symbol;Acc:HGNC:404]
ENSG00000117305	-1.89449	7.09885	24.56437	7.19E-07	3.35E-05	HMGCL	3-hydroxymethyl-3-methylglutaryl-CoA lyase [Source:HGNC Symbol;Acc:HGNC:5005]
ENSG00000185651	-2.62409	6.68901	22.83721	1.76E-06	7.07E-05	UBE2L3	ubiquitin conjugating enzyme E2 L3 [Source:HGNC Symbol;Acc:HGNC:12488]
ENSG00000120708	-1.10469	8.79839	22.45474	2.15E-06	8.20E-05	TGFB1	transforming growth factor beta induced [Source:HGNC Symbol;Acc:HGNC:11771]
ENSG00000138758	-0.91505	8.56043	22.42345	2.19E-06	8.20E-05	sep-11	septin 11 [Source:HGNC Symbol;Acc:HGNC:25589]
ENSG00000198561	-1.00289	8.92156	22.29616	2.34E-06	8.57E-05	CTNND1	catenin delta 1 [Source:HGNC Symbol;Acc:HGNC:2515]
ENSG00000168028	-2.79684	6.67506	21.97445	2.76E-06	9.72E-05	RPSA	ribosomal protein SA [Source:HGNC Symbol;Acc:HGNC:6502]
ENSG00000178209	-0.44279	13.14757	21.54167	3.46E-06	0.000119	PLEC	plectin [Source:HGNC Symbol;Acc:HGNC:9069]
ENSG00000168610	-1.06382	8.50305	21.42241	3.68E-06	0.000125	STAT3	signal transducer and activator of transcription 3 [Source:HGNC Symbol;Acc:HGNC:11364]
ENSG00000164687	-0.78815	10.71858	20.91265	4.81E-06	0.000156	FABP5	fatty acid binding protein 5 [Source:HGNC Symbol;Acc:HGNC:3560]
ENSG00000168036	-0.60022	9.45389	20.74630	5.24E-06	0.000167	CTNBN1	catenin beta 1 [Source:HGNC Symbol;Acc:HGNC:2514]
ENSG00000165140	-0.76401	10.02198	20.66684	5.47E-06	0.000171	FBP1	fructose-bisphosphatase 1 [Source:HGNC Symbol;Acc:HGNC:3606]
ENSG00000075618	-0.87128	8.96380	20.47313	6.05E-06	0.000180	FSCN1	fascin actin-bundling protein 1 [Source:HGNC Symbol;Acc:HGNC:11148]
ENSG00000143149	-0.62506	9.42968	19.69623	9.08E-06	0.000257	ALDH9A1	aldehyde dehydrogenase 9 family member A1 [Source:HGNC Symbol;Acc:HGNC:412]
ENSG00000151552	-1.15301	7.92922	19.51608	9.98E-06	0.000277	QDPR	quinoid dihydropteridine reductase [Source:HGNC Symbol;Acc:HGNC:9752]
ENSG00000157500	-1.63113	7.83715	19.19308	1.18E-05	0.000311	APPL1	adaptor protein, phosphotyrosine interacting with PH domain and leucine zipper 1 [Source:HGNC Symbol;Acc:HGNC:24035]
ENSG00000079739	-0.55251	10.28301	19.17552	1.19E-05	0.000311	PGM1	phosphoglucomutase 1 [Source:HGNC Symbol;Acc:HGNC:8905]
ENSG00000167815	-0.42962	10.94033	19.22501	1.16E-05	0.000311	PRDX2	peroxiredoxin 2 [Source:HGNC Symbol;Acc:HGNC:9353]
ENSG00000131238	-1.59834	7.78955	18.74933	1.49E-05	0.000367	PPT1	palmitoyl-protein thioesterase 1 [Source:HGNC Symbol;Acc:HGNC:9325]
ENSG00000148484	-0.79475	8.96716	18.48101	1.72E-05	0.000415	RSU1	Ras suppressor protein 1 [Source:HGNC Symbol;Acc:HGNC:10464]
ENSG00000136830	-0.66774	9.05140	18.29120	1.90E-05	0.000442	FAM129B	family with sequence similarity 129 member B [Source:HGNC Symbol;Acc:HGNC:25282]
ENSG00000172725	-0.71013	8.75826	18.23431	1.95E-05	0.000449	CORO1B	coronin 1B [Source:HGNC Symbol;Acc:HGNC:2253]
ENSG00000186522	-1.42743	7.34817	18.12863	2.06E-05	0.000468	sep-10	septin 10 [Source:HGNC Symbol;Acc:HGNC:14349]
ENSG00000131236	-0.36498	10.96810	17.68973	2.60E-05	0.000575	CAP1	adenylate cyclase associated protein 1 [Source:HGNC Symbol;Acc:HGNC:20040]
ENSG00000117748	-2.21436	6.94211	17.61189	2.71E-05	0.000591	RPA2	replication protein A2 [Source:HGNC Symbol;Acc:HGNC:10290]
ENSG00000187498	-0.91617	8.16199	17.46597	2.92E-05	0.000630	COL4A1	collagen type IV alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2202]
ENSG00000111237	-1.05794	7.78086	17.07758	3.59E-05	0.000728	VPS29	VPS29, retromer complex component [Source:HGNC Symbol;Acc:HGNC:14340]
ENSG00000111640	-0.31294	11.28062	16.98394	3.77E-05	0.000756	GAPDH	glyceraldehyde-3-phosphate dehydrogenase [Source:HGNC Symbol;Acc:HGNC:4141]
ENSG00000087274	-0.57813	9.65633	16.65898	4.47E-05	0.000887	ADD1	adducin 1 [Source:HGNC Symbol;Acc:HGNC:243]
ENSG00000148671	-0.92272	8.62570	16.58183	4.66E-05	0.000903	ADIRF	adipogenesis regulatory factor [Source:HGNC Symbol;Acc:HGNC:24043]
ENSG00000089159	-1.13856	8.11424	16.48403	4.91E-05	0.000940	PXN	paxillin [Source:HGNC Symbol;Acc:HGNC:9718]
ENSG00000104763	-0.81676	9.88523	16.34924	5.27E-05	0.000987	ASAH1	N-acylsphingosine amidohydrolase 1 [Source:HGNC Symbol;Acc:HGNC:735]
ENSG00000117984	-0.66079	11.03541	16.29752	5.41E-05	0.001004	CTSD	cathepsin D [Source:HGNC Symbol;Acc:HGNC:2529]
ENSG00000142507	-0.89179	8.01377	15.29113	9.21E-05	0.001605	PSMB6	proteasome subunit beta 6 [Source:HGNC Symbol;Acc:HGNC:9543]
ENSG00000197879	-0.58587	10.90308	15.21060	9.26E-05	0.001658	MYO1C	myosin 1C [Source:HGNC Symbol;Acc:HGNC:7597]
ENSG00000137486	-0.69422	8.72915	14.39144	0.000148	0.002485	ARRB1	arrestin beta 1 [Source:HGNC Symbol;Acc:HGNC:711]
ENSG00000100034	-0.96078	8.04498	14.22497	0.000162	0.002604	PPM1F	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent 1F [Source:HGNC Symbol;Acc:HGNC:19388]
ENSG00000079308	-0.58554	10.67421	14.22027	0.000163	0.002604	TNS1	tensin 1 [Source:HGNC Symbol;Acc:HGNC:11973]
ENSG00000139684	-0.58006	9.11822	14.28374	0.000157	0.002604	ESD	esterase D [Source:HGNC Symbol;Acc:HGNC:3465]
ENSG00000188612	-1.62043	6.95224	14.19596	0.000165	0.002605	SUMO2	small ubiquitin-like modifier 2 [Source:HGNC Symbol;Acc:HGNC:11125]
ENSG00000071127	-0.41306	10.27655	14.17796	0.000166	0.002606	WDR1	WD repeat domain 1 [Source:HGNC Symbol;Acc:HGNC:12754]
ENSG00000111144	-0.36292	11.09456	14.07455	0.000176	0.002681	LTA4H	leukotriene A4 hydrolase [Source:HGNC Symbol;Acc:HGNC:6710]
ENSG00000198830	-1.91572	7.39637	13.96539	0.000186	0.002816	HMGN2	high mobility group nucleosomal binding domain 2 [Source:HGNC Symbol;Acc:HGNC:4986]
ENSG00000148180	-0.44652	11.75755	13.84097	0.000199	0.002957	GSN	gelsolin [Source:HGNC Symbol;Acc:HGNC:4620]
ENSG0000024422	-0.54612	11.60422	13.82184	0.000201	0.002962	EHD2	EH domain containing 2 [Source:HGNC Symbol;Acc:HGNC:3243]
ENSG00000141295	-1.90165	6.70962	13.77987	0.000206	0.003083	SCRN2	secernin 2 [Source:HGNC Symbol;Acc:HGNC:30381]
ENSG00000115091	-0.44529	10.19418	13.69312	0.000215	0.003067	ACTR3	ARP3 actin related protein 3 homolog [Source:HGNC Symbol;Acc:HGNC:170]
ENSG00000137106	-0.81005	8.35924	13.55918	0.000231	0.003267	GRHPR	glyoxylate and hydroxypropyl pyruvate reductase [Source:HGNC Symbol;Acc:HGNC:4570]
ENSG00000144791	-1.66163	6.95794	13.50726	0.000238	0.003331	LIMD1	LIM domains containing 1 [Source:HGNC Symbol;Acc:HGNC:6612]
ENSG00000143416	-0.30756	11.27770	13.46993	0.000242	0.003370	SELENBP1	selenium binding protein 1 [Source:HGNC Symbol;Acc:HGNC:10719]
ENSG00000152642	-0.71227	8.43791	13.38995	0.000253	0.003489	GPD1L	glycerol-3-phosphate dehydrogenase 1-like [Source:HGNC Symbol;Acc:HGNC:28956]
ENSG00000213719	-0.35412	10.08768	13.18037	0.000283	0.003840	CLIC1	chloride intracellular channel 1 [Source:HGNC Symbol;Acc:HGNC:2062]
ENSG00000147065	-0.51164	11.76985	12.94219	0.000321	0.004327	MSN	moesin [Source:HGNC Symbol;Acc:HGNC:7373]
ENSG00000091136	-0.56983	10.21310	12.81922	0.000343	0.004481	LAMB1	laminin subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:6486]
ENSG00000135047	-1.14540	7.54001	12.00307	0.000531	0.006521	CTSL	cathepsin L [Source:HGNC Symbol;Acc:HGNC:2537]
ENSG00000211893	-0.93724	9.50038	11.75617	0.000606	0.007161	IGHG2	immunoglobulin heavy constant gamma 2 (G2m marker) [Source:HGNC Symbol;Acc:HGNC:5526]
ENSG00000128245	-0.41509	9.51027	11.69151	0.000628	0.007314	YWHAH	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein eta [Source:HGNC Symbol;Acc:HGNC:12853]
ENSG00000152234	-0.26171	11.05594	11.67879	0.000632	0.007314	ATP5A1	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle [Source:HGNC Symbol;Acc:HGNC:823]
ENSG00000197894	-0.34734	9.94446	11.50163	0.000695	0.007784	ADH5	alcohol dehydrogenase 5 (class III), chi polypeptide [Source:HGNC Symbol;Acc:HGNC:253]
ENSG00000041357	-0.51922	8.92687	11.34079	0.000758	0.008326	PSMA4	proteasome subunit alpha 4 [Source:HGNC Symbol;Acc:HGNC:9533]
ENSG00000147140	-0.66917	8.81717	11.13491	0.000847	0.009128	NONO	non-POU domain containing, octamer-binding [Source:HGNC Symbol;Acc:HGNC:7871]
ENSG00000162909	-0.30881	10.68795	11.06825	0.000878	0.009346	CAPN2	calpain 2 [Source:HGNC Symbol;Acc:HGNC:1479]
ENSG00000132622	-1.19863	7.63038	11.01200	0.000905	0.009574	HSPA12B	heat shock protein family A (Hsp70) member 12B [Source:HGNC Symbol;Acc:HGNC:16193]
ENSG00000120913	-0.81599	9.24384	10.98782	0.000917	0.009641	PDLIM2	PDZ and LIM domain 2 [Source:HGNC Symbol;Acc:HGNC:13992]
ENSG00000089220	-0.30982	10.32549	10.91477	0.000954	0.009908	PEBP1	phosphatidylethanolamine binding protein 1 [Source:HGNC Symbol;Acc:HGNC:8630]
ENSG00000219114	-1.50599	6.89525	10.89007	0.000967	0.009935	PPP2R2A	protein phosphatase 2 regulatory subunit Balpha [Source:HGNC Symbol;Acc:HGNC:9304]
ENSG00000182718	-0.62839	12.76332	10.87649	0.000974	0.009935	ANXA2	annexin A2 [Source:HGNC Symbol;Acc:HGNC:537]
ENSG00000140945	-1.25614	7.17792	10.79869	0.001016	0.010204	CDH13	cadherin 13 [Source:HGNC Symbol;Acc:HGNC:1753]
ENSG00000170889	-1.14218	8.00508	10.79163	0.001020	0.010204	RPS9	ribosomal protein S9 [Source:HGNC Symbol;Acc:HGNC:10442]
ENSG00000138674	-1.19999	7.95625	10.71648	0.001062	0.010521	SEC31A	SEC31 homolog A, COPII coat complex component [Source:HGNC Symbol;Acc:HGNC:17052]
ENSG00000137710	-0.55929	10.31299	10.66668	0.001091	0.010746	RDX	radixin [Source:HGNC Symbol;Acc:HGNC:9944]
ENSG00000163931	-0.35704	10.98953	10.61169	0.001124	0.011008	TKT	transketolase [Source:HGNC Symbol;Acc:HGNC:11834]
ENSG00000140105	-0.50595	10.78908	10.48617	0.001203	0.011612	WARS	tryptophanyl-tRNA synthetase [Source:HGNC Symbol;Acc:HGNC:12729]
ENSG00000127946	-1.14115	7.31669	10.46498	0.001217	0.011652	HIP1	huntingtin interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:4913]
ENSG00000182492	-0.42545	11.14827	10.42142	0.001246	0.0		

DE proteins comb FDR 0.05 down

Ensembl gene	logFC	logCPM	LR	PValue	adj_p	gene	geneDescription
ENSG00000160209	-0.46378	9.08879	9.49042	0.002065	0.017017	PDXK	pyridoxal kinase [Source:HGNC Symbol;Acc:HGNC:8819]
ENSG00000123992	-0.84255	8.49926	9.45150	0.002110	0.017157	DNPEP	aspartyl aminopeptidase [Source:HGNC Symbol;Acc:HGNC:2981]
ENSG00000159377	-0.67867	8.23386	9.33643	0.002246	0.017847	PSMB4	proteasome subunit beta 4 [Source:HGNC Symbol;Acc:HGNC:9541]
ENSG00000104823	-0.41538	9.56378	9.26007	0.002342	0.018521	ECH1	enoyl-CoA hydratase 1 [Source:HGNC Symbol;Acc:HGNC:3149]
ENSG00000112782	-0.70042	9.39245	9.23870	0.002370	0.018653	CLIC5	chloride intracellular channel 5 [Source:HGNC Symbol;Acc:HGNC:13517]
ENSG00000102882	-0.60895	8.30738	9.20946	0.002408	0.018867	MAPK3	mitogen-activated protein kinase 3 [Source:HGNC Symbol;Acc:HGNC:6877]
ENSG00000099204	-1.14494	7.53686	9.16003	0.002474	0.019038	ABLIM1	actin binding LIM protein 1 [Source:HGNC Symbol;Acc:HGNC:78]
ENSG00000123130	-0.95589	7.55857	9.12413	0.002523	0.019243	ACOT9	acyl-CoA thioesterase 9 [Source:HGNC Symbol;Acc:HGNC:17152]
ENSG00000102606	-1.34728	6.93084	9.04925	0.002628	0.019872	ARHGEF7	Rho guanine nucleotide exchange factor 7 [Source:HGNC Symbol;Acc:HGNC:15607]
ENSG00000165092	-0.35338	11.07344	9.03835	0.002644	0.019903	ALDH1A1	aldehyde dehydrogenase 1 family member A1 [Source:HGNC Symbol;Acc:HGNC:402]
ENSG00000100106	-0.82425	7.80707	9.00586	0.002691	0.020020	TRIOBP	TRIO and F-actin binding protein [Source:HGNC Symbol;Acc:HGNC:17009]
ENSG00000092964	-0.30075	11.30749	8.82606	0.002970	0.021696	DPYSL2	dihydropyrimidinase like 2 [Source:HGNC Symbol;Acc:HGNC:3014]
ENSG00000122971	-1.70721	7.13334	8.79695	0.003017	0.021765	ACADS	acyl-CoA dehydrogenase, C-2 to C-3 short chain [Source:HGNC Symbol;Acc:HGNC:90]
ENSG00000117450	-0.27728	10.26244	8.75627	0.003085	0.021982	PRDX1	peroxiredoxin 1 [Source:HGNC Symbol;Acc:HGNC:9352]
ENSG00000093144	-1.04776	7.37762	8.54523	0.003464	0.023606	ECHDC1	ethylmalonyl-CoA decarboxylase 1 [Source:HGNC Symbol;Acc:HGNC:21489]
ENSG00000176014	-0.53004	8.55519	8.50462	0.003542	0.024044	TUBB6	tubulin beta 6 class V [Source:HGNC Symbol;Acc:HGNC:20776]
ENSG00000110880	-0.51622	9.30890	8.36385	0.003828	0.025478	CORO1C	coronin 1C [Source:HGNC Symbol;Acc:HGNC:2254]
ENSG00000213614	-0.99091	8.14121	8.17584	0.004245	0.027618	HEXA	hexosaminidase subunit alpha [Source:HGNC Symbol;Acc:HGNC:4878]
ENSG00000073350	-1.39623	6.93425	8.07375	0.004491	0.028578	LLGL2	LLGL2, scribble cell polarity complex component [Source:HGNC Symbol;Acc:HGNC:6629]
ENSG00000137497	-0.60240	10.04696	8.07329	0.004492	0.028578	NUMA1	nuclear mitotic apparatus protein 1 [Source:HGNC Symbol;Acc:HGNC:8059]
ENSG00000133835	-0.56203	10.13404	7.99864	0.004681	0.029514	HSD17B4	hydroxysteroid 17-beta dehydrogenase 4 [Source:HGNC Symbol;Acc:HGNC:5213]
ENSG00000064042	-0.66630	9.39209	7.90131	0.004940	0.030969	LIMCH1	LIM and calponin homology domains 1 [Source:HGNC Symbol;Acc:HGNC:29191]
ENSG00000105538	-1.58621	6.95644	7.88940	0.004973	0.031060	RASIP1	Ras interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:24716]
ENSG00000115306	-0.23355	12.67609	7.78681	0.005263	0.032521	SPTBN1	spectrin beta, non-erythrocytic 1 [Source:HGNC Symbol;Acc:HGNC:11275]
ENSG00000147416	-0.75735	8.41172	7.77994	0.005283	0.032528	ATP6V1B2	ATPase H+ transporting V1 subunit B2 [Source:HGNC Symbol;Acc:HGNC:854]
ENSG00000168385	-0.38504	9.33881	7.74236	0.005394	0.032976	sep-02	septin 2 [Source:HGNC Symbol;Acc:HGNC:7729]
ENSG00000138796	-0.63230	8.70894	7.68641	0.005564	0.033775	HADH	hydroxyacyl-CoA dehydrogenase [Source:HGNC Symbol;Acc:HGNC:4799]
ENSG00000075239	-0.40604	9.42274	7.59587	0.005850	0.035142	ACAT1	acetyl-CoA acetyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:93]
ENSG00000140416	-0.56025	10.81177	7.57342	0.005924	0.035336	TPM1	tropomyosin 1 (alpha) [Source:HGNC Symbol;Acc:HGNC:12010]
ENSG00000176658	-1.36749	7.18662	7.51791	0.006109	0.035916	MYO1D	myosin ID [Source:HGNC Symbol;Acc:HGNC:7598]
ENSG00000050405	-0.64343	8.66352	7.51324	0.006125	0.035916	LIMA1	LIM domain and actin binding 1 [Source:HGNC Symbol;Acc:HGNC:24636]
ENSG00000106624	-0.69523	8.11744	7.49032	0.006203	0.036129	AEBP1	AE binding protein 1 [Source:HGNC Symbol;Acc:HGNC:303]
ENSG00000240065	-0.69340	7.90568	7.33449	0.006764	0.039003	PSMB9	proteasome subunit beta 9 [Source:HGNC Symbol;Acc:HGNC:9546]
ENSG00000105227	-0.81062	9.81765	7.26831	0.007018	0.040331	PRX	periaxin [Source:HGNC Symbol;Acc:HGNC:13797]
ENSG00000121064	-0.96742	7.85582	7.22644	0.007184	0.041011	SCPEP1	serine carboxypeptidase 1 [Source:HGNC Symbol;Acc:HGNC:29507]
ENSG00000030582	-0.71457	7.80306	7.21704	0.007221	0.041011	GRN	granulin precursor [Source:HGNC Symbol;Acc:HGNC:4601]
ENSG00000167460	-0.46584	11.32226	7.17875	0.007377	0.041293	TPM4	tropomyosin 4 [Source:HGNC Symbol;Acc:HGNC:12013]
ENSG00000176619	-0.24790	10.88522	7.18292	0.007360	0.041293	LMNB2	lamin B2 [Source:HGNC Symbol;Acc:HGNC:6638]
ENSG00000104067	-0.52911	10.12346	7.16914	0.007417	0.041381	TJP1	tight junction protein 1 [Source:HGNC Symbol;Acc:HGNC:11827]
ENSG00000130985	-0.19063	11.08183	7.11151	0.007659	0.042538	UBA1	ubiquitin like modifier activating enzyme 1 [Source:HGNC Symbol;Acc:HGNC:12469]
ENSG00000159840	-0.34285	10.07166	7.07346	0.007823	0.043229	ZYX	zyxin [Source:HGNC Symbol;Acc:HGNC:13200]
ENSG00000116774	-0.76490	8.74558	7.05480	0.007905	0.043542	OLFML3	olfactomedin like 3 [Source:HGNC Symbol;Acc:HGNC:24956]
ENSG00000164924	-0.23436	10.75497	6.87974	0.008718	0.046821	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta [Source:HGNC Symbol;Acc:HGNC:12855]
ENSG00000107164	-1.17588	6.87481	6.84991	0.008865	0.047461	FUBP3	far upstream element binding protein 3 [Source:HGNC Symbol;Acc:HGNC:4005]
ENSG00000137831	-1.09962	7.18332	6.82999	0.008964	0.047697	UACA	uveal autoantigen with coiled-coil domains and ankyrin repeats [Source:HGNC Symbol;Acc:HGNC:15947]
ENSG00000136235	-0.73719	7.99909	6.79111	0.009161	0.048597	GNPMB	glycoprotein nmb [Source:HGNC Symbol;Acc:HGNC:4462]
ENSG00000162517	-1.11204	6.98149	6.73532	0.009452	0.049834	PEF1	penta-EF-hand domain containing 1 [Source:HGNC Symbol;Acc:HGNC:30009]

DE mRNA comb FDR 0.05 up

Ensembl gene	logFC	logCPM	LR	PValue	adj.p	gene	Description
ENSG00000099860	2.56526	8.12904	31.47425	2.02E-08	0.000106	GADD45B	growth arrest and DNA-damage-inducible, beta [Source:HGNC Symbol;Acc:4096]
ENSG00000118503	1.85829	7.80211	30.35646	3.60E-08	0.000141	TNFAIP3	tumor necrosis factor, alpha-induced protein 3 [Source:HGNC Symbol;Acc:11896]
ENSG00000131016	2.43350	8.74365	27.31879	1.73E-07	0.000446	AKAP12	A kinase (PRKA) anchor protein 12 [Source:HGNC Symbol;Acc:370]
ENSG00000148926	2.24012	8.48307	27.42403	1.63E-07	0.000446	ADM	adrenomedullin [Source:HGNC Symbol;Acc:259]
ENSG00000134107	1.94766	8.79137	26.35337	2.84E-07	0.000558	BHLHE40	basic helix-loop-helix family, member e40 [Source:HGNC Symbol;Acc:1046]
ENSG00000167772	3.57709	4.09445	25.41347	4.63E-07	0.000661	ANGPTL4	angiopoietin-like 4 [Source:HGNC Symbol;Acc:16039]
ENSG00000172061	2.14974	2.54563	25.50311	4.42E-07	0.000661	LRRC15	leucine rich repeat containing 15 [Source:HGNC Symbol;Acc:20818]
ENSG00000166741	2.53745	5.48180	24.33523	8.09E-07	0.000978	NNMT	nicotinamide N-methyltransferase [Source:HGNC Symbol;Acc:7861]
ENSG00000163661	4.63690	4.79708	22.83057	1.77E-06	0.001829	PTX3	pentraxin 3, long [Source:HGNC Symbol;Acc:9692]
ENSG00000158859	4.25508	6.27463	21.71486	3.16E-06	0.002761	ADAMTS4	ADAM metalloproteinase with thrombospondin type 1 motif, 4 [Source:HGNC Symbol;Acc:220]
ENSG00000174727	1.88111	5.54702	20.61660	5.61E-06	0.004197	IGF1	insulin-like growth factor 1 (somatomedin C) [Source:HGNC Symbol;Acc:5464]
ENSG00000123496	4.28850	0.16830	20.46727	6.07E-06	0.004331	IL13RA2	interleukin 13 receptor, alpha 2 [Source:HGNC Symbol;Acc:5975]
ENSG00000133048	2.50974	5.54410	20.33529	6.50E-06	0.004439	CHI3L1	chitinase 3-like 1 (cartilage glycoprotein-39) [Source:HGNC Symbol;Acc:1932]
ENSG00000162692	2.36663	5.78648	20.22100	6.90E-06	0.004515	VCAM1	vascular cell adhesion molecule 1 [Source:HGNC Symbol;Acc:12663]
ENSG00000162711	2.15092	3.73298	20.06512	7.48E-06	0.004703	NLRP3	NLR family, pyrin domain containing 3 [Source:HGNC Symbol;Acc:16400]
ENSG00000151790	2.93302	1.64327	19.74117	8.87E-06	0.005357	TDO2	tryptophan 2,3-dioxygenase [Source:HGNC Symbol;Acc:11708]
ENSG00000141433	6.99457	2.74555	19.53261	9.89E-06	0.005477	ADCYAP1	adenylate cyclase activating polypeptide 1 (pituitary) [Source:HGNC Symbol;Acc:241]
ENSG00000124216	2.30620	3.77795	19.49035	1.01E-05	0.005477	SNAI1	snail family zinc finger 1 [Source:HGNC Symbol;Acc:11128]
ENSG00000187955	1.73106	6.95228	19.52663	9.92E-06	0.005477	COL14A1	collagen, type XIV, alpha 1 [Source:HGNC Symbol;Acc:2191]
ENSG00000137801	2.96959	10.22978	18.91707	1.37E-05	0.006178	THBS1	thrombospondin 1 [Source:HGNC Symbol;Acc:11785]
ENSG00000184557	2.82837	8.18633	18.93596	1.35E-05	0.006178	SOC3	suppressor of cytokine signaling 3 [Source:HGNC Symbol;Acc:19391]
ENSG00000141682	2.01397	3.08060	18.95506	1.34E-05	0.006178	PM2IP1	phorbol-12-myristate-13-acetate-induced protein 1 [Source:HGNC Symbol;Acc:9108]
ENSG00000280143	1.48059	4.99889	18.79537	1.46E-05	0.006178	NA	NA
ENSG00000113083	1.21589	5.46295	18.87161	1.40E-05	0.006178	LOX	lysyl oxidase [Source:HGNC Symbol;Acc:6664]
ENSG00000102359	1.33735	3.29612	18.54783	1.66E-05	0.006849	SRPX2	sushi-repeat containing protein, X-linked 2 [Source:HGNC Symbol;Acc:30668]
ENSG00000105835	2.07754	9.28693	18.27169	1.92E-05	0.007554	NAMPT	nicotinamide phosphoribosyltransferase [Source:HGNC Symbol;Acc:30092]
ENSG00000104415	3.06844	3.44419	18.10769	2.09E-05	0.007610	WISP1	WNT1 inducible signaling pathway protein 1 [Source:HGNC Symbol;Acc:12769]
ENSG00000211942	3.00227	2.51402	18.06802	2.13E-05	0.007610	IGHV3-13	immunoglobulin heavy variable 3-13 [Source:HGNC Symbol;Acc:5581]
ENSG00000103196	2.24939	7.57113	18.20202	1.99E-05	0.007610	CRISPLD2	cysteine-rich secretory protein LCLL domain containing 2 [Source:HGNC Symbol;Acc:25248]
ENSG00000176692	1.61669	2.33406	18.12911	2.06E-05	0.007610	FOXO2	forkhead box C2 (MZF1, mesenchyme forkhead 1) [Source:HGNC Symbol;Acc:3801]
ENSG00000186340	1.91426	5.31158	18.01316	2.19E-05	0.007658	THBS2	thrombospondin 2 [Source:HGNC Symbol;Acc:11786]
ENSG00000157214	2.06353	6.06279	17.84748	2.39E-05	0.008173	STEAP2	STEAP family member 2, metalloreductase [Source:HGNC Symbol;Acc:17885]
ENSG00000108691	3.23126	7.32024	17.44134	2.96E-05	0.008951	CCL2	chemokine (C-C motif) ligand 2 [Source:HGNC Symbol;Acc:10618]
ENSG00000137193	1.68775	6.07551	17.45702	2.94E-05	0.008951	PIM1	pim-1 oncogene [Source:HGNC Symbol;Acc:8986]
ENSG00000100644	1.64627	8.29976	17.53312	2.82E-05	0.008951	HIF1A	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor) [Source:HGNC Symbol;Acc:4910]
ENSG00000164647	2.04834	2.64174	17.37376	3.07E-05	0.009100	STEAP1	six transmembrane epithelial antigen of the prostate 1 [Source:HGNC Symbol;Acc:11378]
ENSG00000112936	1.64310	8.52758	17.27891	3.23E-05	0.009302	C7	complement component 7 [Source:HGNC Symbol;Acc:1346]
ENSG00000175592	4.01599	5.02631	17.12491	3.50E-05	0.009494	FOSL1	FOS-like antigen 1 [Source:HGNC Symbol;Acc:13718]
ENSG00000163739	3.31244	5.60788	17.08943	3.57E-05	0.009494	CXCL1	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha) [Source:HGNC Symbol;Acc:4602]
ENSG00000182752	2.37031	4.43087	17.07801	3.59E-05	0.009494	PAPPA	pregnancy-associated plasma protein A, pappalysin 1 [Source:HGNC Symbol;Acc:8602]
ENSG00000151014	2.32929	2.73703	17.05743	3.63E-05	0.009494	CCR4L1	CCR4 carbon catabolite repression 4-like (S. cerevisiae) [Source:HGNC Symbol;Acc:14254]
ENSG00000185022	2.15545	5.75667	17.14028	3.47E-05	0.009494	MAFF	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog F [Source:HGNC Symbol;Acc:6780]
ENSG00000169429	4.12921	5.96401	16.97320	3.79E-05	0.009762	IL8	interleukin 8 [Source:HGNC Symbol;Acc:6025]
ENSG00000136244	3.90898	7.10357	16.75382	4.26E-05	0.010282	IL6	interleukin 6 (interferon, beta 2) [Source:HGNC Symbol;Acc:6018]
ENSG0000007908	3.41265	4.99855	16.74920	4.27E-05	0.010282	SELE	selectin E [Source:HGNC Symbol;Acc:10718]
ENSG00000188766	2.86636	1.27657	16.55399	4.73E-05	0.010282	SPRED3	sprouty-related, EVH1 domain containing 3 [Source:HGNC Symbol;Acc:31041]
ENSG00000178860	2.19983	2.81309	16.50821	4.84E-05	0.010282	MSC	musculin [Source:HGNC Symbol;Acc:7321]
ENSG00000115641	2.09482	3.98450	16.54332	4.76E-05	0.010282	FHL2	four and a half LIM domains 2 [Source:HGNC Symbol;Acc:3703]
ENSG00000165030	1.93433	5.88034	16.52314	4.81E-05	0.010282	NFIL3	nuclear factor, interleukin 3 regulated [Source:HGNC Symbol;Acc:7787]
ENSG00000116717	2.12424	5.65356	16.40922	5.10E-05	0.010411	GADD45A	growth arrest and DNA-damage-inducible, alpha [Source:HGNC Symbol;Acc:4095]
ENSG00000123610	2.04916	2.49775	16.42333	5.07E-05	0.010411	TNFAIP6	tumor necrosis factor, alpha-induced protein 6 [Source:HGNC Symbol;Acc:11898]
ENSG00000174348	1.32502	6.34457	16.36734	5.22E-05	0.010508	PODNL	podocalyxin [Source:HGNC Symbol;Acc:23174]
ENSG00000185274	1.51910	3.12744	16.30938	5.38E-05	0.010697	WBSCR17	Williams-Beuren syndrome chromosome region 17 [Source:HGNC Symbol;Acc:16347]
ENSG00000229644	3.14233	0.94639	16.24757	5.56E-05	0.010913	NAMPTL	nicotinamide phosphoribosyltransferase-like [Source:HGNC Symbol;Acc:17633]
ENSG00000124762	2.22944	6.85426	16.18125	5.76E-05	0.011163	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1) [Source:HGNC Symbol;Acc:1784]
ENSG00000136997	2.40111	6.78395	16.14128	5.88E-05	0.011262	MYC	v-myc avian myelocytomatosis viral oncogene homolog [Source:HGNC Symbol;Acc:7553]
ENSG00000147647	2.97186	0.77622	16.05677	6.15E-05	0.011634	DPY5	dihydropyrimidinase [Source:HGNC Symbol;Acc:3013]
ENSG00000137558	2.91362	2.89473	15.84608	6.87E-05	0.012127	PI15	peptidase inhibitor 15 [Source:HGNC Symbol;Acc:8946]
ENSG00000103888	2.08412	4.28584	15.92780	6.58E-05	0.012127	KIAA1199	KIAA1199 [Source:HGNC Symbol;Acc:29213]
ENSG00000057657	1.85009	5.92084	15.86008	6.82E-05	0.012127	PRDM1	PR domain containing 1, with ZNF domain [Source:HGNC Symbol;Acc:9346]
ENSG00000150347	1.26705	7.62913	15.88913	6.72E-05	0.012127	ARID5B	AT rich interactive domain 5B (MRF1-like) [Source:HGNC Symbol;Acc:17362]
ENSG00000090104	2.38247	6.19202	15.74658	7.24E-05	0.012519	RGS1	regulator of G-protein signaling 1 [Source:HGNC Symbol;Acc:9991]
ENSG00000187479	2.06247	6.89142	15.69476	7.44E-05	0.012519	C11orf96	chromosome 11 open reading frame 96 [Source:HGNC Symbol;Acc:38675]
ENSG00000124772	1.89584	2.60777	15.68251	7.49E-05	0.012519	CPNVE5	copine V [Source:HGNC Symbol;Acc:2318]
ENSG00000184588	1.67777	5.90214	15.74051	7.27E-05	0.012519	PDE4B	phosphodiesterase 4B, cAMP-specific [Source:HGNC Symbol;Acc:8781]
ENSG00000137573	1.47661	5.93783	15.70383	7.41E-05	0.012519	SULF1	sulfatase 1 [Source:HGNC Symbol;Acc:20391]
ENSG00000172548	4.22509	0.96997	15.46461	8.41E-05	0.013755	NIPAL4	NIPA-like domain containing 4 [Source:HGNC Symbol;Acc:28018]
ENSG00000122121	2.09503	1.06883	15.47504	8.36E-05	0.013755	XPNPPE2	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound [Source:HGNC Symbol;Acc:12823]
ENSG00000108700	2.86214	2.02288	15.38336	8.78E-05	0.014066	CCL8	chemokine (C-C motif) ligand 8 [Source:HGNC Symbol;Acc:10635]
ENSG00000115009	3.01211	4.55039	15.27509	9.29E-05	0.014376	CCL20	chemokine (C-C motif) ligand 20 [Source:HGNC Symbol;Acc:10619]
ENSG00000106366	2.65137	7.57336	15.29729	9.18E-05	0.014376	SERPINE1	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1 [Source:HGNC Symbol;Acc:8583]
ENSG00000173276	1.24195	5.92132	15.18983	9.72E-05	0.014827	ZBTB21	zinc finger and BTB domain containing 21 [Source:HGNC Symbol;Acc:13083]
ENSG00000112562	1.62636	5.24320	15.01947	0.000106	0.015683	SMOC2	SPARC related modular calcium binding 2 [Source:HGNC Symbol;Acc:20323]
ENSG00000171560	3.37459	3.77409	14.96535	0.000110	0.015927	FGA	fibronogen alpha chain [Source:HGNC Symbol;Acc:3661]
ENSG00000184956	6.36009	2.51086	14.88945	0.000114	0.015985	MUC6	mucin 6, oligomeric mucus/gel-forming [Source:HGNC Symbol;Acc:7517]
ENSG00000196136	4.56901	2.44816	14.83998	0.000117	0.015985	SERPINA3	serpin peptidase inhibitor, clade A (alpha-1 antitrypsin, antitrypsin), member 3 [Source:HGNC Symbol;Acc:16]
ENSG00000120961	2.56619	5.18239	14.85226	0.000116	0.015985	HAS2	hyaluronan synthase 2 [Source:HGNC Symbol;Acc:4819]
ENSG00000137331	2.29458	5.33819	14.84231	0.000117	0.015985	IER3	immediate early response 3 [Source:HGNC Symbol;Acc:5392]
ENSG00000125148	2.26836	7.69790	14.87769	0.000115	0.015985	MT2A	metallothionein 2A [Source:HGNC Symbol;Acc:7406]
ENSG00000213694	1.47282	5.17540	14.85354	0.000116	0.015985	S1PR3	sphingosine-1-phosphate receptor 3 [Source:HGNC Symbol;Acc:3167]
ENSG00000151917	2.03054	1.03659	14.80956	0.000119	0.016105	BEND6	BEN domain containing 6 [Source:HGNC Symbol;Acc:20871]
ENSG00000272636	1.20679	4.10180	14.78188	0.000121	0.016126	DOC2B	double C2-like domains, beta [Source:HGNC Symbol;Acc:2986]
ENSG00000133063	3.68660	4.12134	14.73074	0.000124	0.016270	CHIT1	chitinase 1 (chitotriosidase) [Source:HGNC Symbol;Acc:1936]
ENSG00000163520	1.27503	5.44396	14.72640	0.000124	0.016270	FBLN2	fibulin 2 [Source:HGNC Symbol;Acc:3601]
ENSG00000280411	2.99807	3.58603	14.68427	0.000127	0.016500	NA	NA
ENSG00000171223	1.91345	8.56827	14.63683	0.000130	0.016501	JUNB	jun B proto-oncogene [Source:HGNC Symbol;Acc:6205]
ENSG00000064300	1.79516	2.82751	14.62953	0.000131	0.016501	NGFR	nerve growth factor receptor [Source:HGNC Symbol;Acc:7809]
ENSG00000146555	1.23186	5.26254	14.62289	0.000131	0.016501	SDK1	sidekick cell adhesion molecule 1 [Source:HGNC Symbol;Acc:19307]
ENSG00000110848	1.72638	4.43865	14.59040	0.000134	0.016655	CD69	CD69 molecule [Source:HGNC Symbol;Acc:1694]
ENSG00000235531	1.68531	2.65199	14.53392	0.000138	0.017026	RP11-383H13.1	Protein LOC100132891; cDNA FLJ53548 [Source:UniProtKB/TrEMBL;Acc:B72945]
ENSG00000275063	3.48237	2.08280	14.39476	0.000148	0.017773	NA	NA
ENSG00000112638	2.25272	5.34339	14.35501	0.000151	0.017773	NR1D1	nuclear receptor subfamily 1, group D, member 1 [Source:HGNC Symbol;Acc:7962]
ENSG00000162433	1.46688	3.13489	14.33801	0.000153	0.017773	AK4	adenylate kinase 4 [Source:HGNC Symbol;Acc:363]
ENSG00000101825	1.12546	6.72023	14.35152	0.000152	0.017773	MXRA5	matrix-remodelling associated 5 [Source:HGNC Symbol;Acc:7539]
ENSG00000178878	2.68363	6.37093	14.31591	0.000155	0.017851	APOLD1	apolipoprotein L domain containing 1 [Source:HGNC Symbol;Acc:25268]
ENSG00000139144	4.68976	1.89654	14.28209	0.000157	0.017911	PIK3C2G	phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2 gamma [Source:HGNC Symbol;Acc:8973]
ENSG00000218336	1.95895	3.50527	14.28808	0.000157	0.017911	TENM3	teneurin transmembrane protein 3 [Source:HGNC Symbol;Acc:29944]
ENSG00000049323	0.78373	6.80279	14.11069	0.000172	0.018933	LTPB1	latent transforming growth factor beta binding protein 1 [Source:HGNC Symbol;Acc:6714]
ENSG00000086544	1.96489	5.86051	13.95427	0.000187	0.020016	ITPKC	inositol-trisphosphate 3-kinase C [Source:HGNC Symbol;Acc:14897]
ENSG00000146072	1.20716	5.99932	13.8				

DE mRNA comb FDR 0.05 up

Ensembl gene	logFC	logCPM	LR	PValue	adj.p	gene	Description
ENSG00000119699	1.32857	4.40318	13.49076	0.000240	0.022484	TGFB3	transforming growth factor, beta 3 [Source:HGNC Symbol;Acc:11769]
ENSG00000166147	1.03778	7.23359	13.50449	0.000238	0.022484	FBN1	fibrillin 1 [Source:HGNC Symbol;Acc:3603]
ENSG00000270607	3.17813	0.49564	13.43923	0.000246	0.022504	RP11-359E10.1	
ENSG00000196611	4.38243	2.27941	13.41045	0.000250	0.022589	MMP1	matrix metalloproteinase 1 (interstitial collagenase) [Source:HGNC Symbol;Acc:7155]
ENSG00000111912	1.48623	7.97399	13.41714	0.000249	0.022589	NCOA7	nuclear receptor coactivator 7 [Source:HGNC Symbol;Acc:21081]
ENSG00000163599	1.79729	1.77830	13.35767	0.000257	0.022924	CTLA4	cytotoxic T-lymphocyte-associated protein 4 [Source:HGNC Symbol;Acc:2505]
ENSG00000112096	1.27700	9.12382	13.34026	0.000260	0.022924	SOD2	superoxide dismutase 2, mitochondrial [Source:HGNC Symbol;Acc:11180]
ENSG00000148841	1.22682	6.40856	13.25126	0.000272	0.023886	ITPRIP	inositol 1,4,5-trisphosphate receptor interacting protein [Source:HGNC Symbol;Acc:29370]
ENSG00000160862	2.48352	1.99589	13.22681	0.000276	0.023950	AZGP1	alpha-2-glycoprotein 1, zinc-binding [Source:HGNC Symbol;Acc:910]
ENSG00000178607	1.22929	5.68529	13.20652	0.000279	0.024078	ERN1	endoplasmic reticulum to nucleus signaling 1 [Source:HGNC Symbol;Acc:3449]
ENSG00000221866	1.23108	3.52335	13.18700	0.000282	0.024107	PLXNA4	plexin A4 [Source:HGNC Symbol;Acc:9102]
ENSG00000054598	1.93191	4.98813	13.16565	0.000285	0.024210	FOXC1	forkhead box C1 [Source:HGNC Symbol;Acc:3800]
ENSG00000168421	1.41515	3.20004	13.11782	0.000292	0.024570	RHOH	ras homolog family member H [Source:HGNC Symbol;Acc:686]
ENSG00000128342	2.84416	5.41639	13.00533	0.000311	0.025815	LIF	leukemia inhibitory factor [Source:HGNC Symbol;Acc:6596]
ENSG00000140511	1.42217	3.02868	12.91578	0.000326	0.026937	HAPLN3	hyaluronan and proteoglycan link protein 3 [Source:HGNC Symbol;Acc:21446]
ENSG00000171724	2.20078	1.03051	12.89711	0.000329	0.026946	VAT1L	vesicle amine transport 1-like [Source:HGNC Symbol;Acc:29315]
ENSG00000144655	1.82448	6.65370	12.89556	0.000329	0.026946	CSRNP1	cysteine-serine-rich nuclear protein 1 [Source:HGNC Symbol;Acc:14300]
ENSG00000077274	2.03654	1.45591	12.87628	0.000333	0.027084	CAPN6	calpain 6 [Source:HGNC Symbol;Acc:1483]
ENSG00000053702	1.82759	1.14100	12.85212	0.000337	0.027294	NRIP2	nuclear receptor interacting protein 2 [Source:HGNC Symbol;Acc:23078]
ENSG00000115461	1.00860	8.61729	12.82946	0.000341	0.027485	IGFBP5	insulin-like growth factor binding protein 5 [Source:HGNC Symbol;Acc:5474]
ENSG00000134460	1.89714	2.94855	12.71156	0.000363	0.028994	IL2RA	interleukin 2 receptor, alpha [Source:HGNC Symbol;Acc:6008]
ENSG00000155380	1.25733	3.57673	12.71044	0.000364	0.028994	SLC16A1	solute carrier family 16 (monocarboxylate transporter), member 1 [Source:HGNC Symbol;Acc:10922]
ENSG00000154734	2.06860	7.71059	12.67945	0.000370	0.029217	ADAMTSL1	ADAM metalloproteinase with thrombospondin type 1 motif, 1 [Source:HGNC Symbol;Acc:217]
ENSG00000169071	1.56928	2.98386	12.67603	0.000370	0.029217	ROR2	receptor tyrosine kinase-like orphan receptor 2 [Source:HGNC Symbol;Acc:10257]
ENSG00000116132	1.20866	6.14234	12.66784	0.000372	0.029217	PRRX1	paired related homeobox 1 [Source:HGNC Symbol;Acc:9142]
ENSG00000134531	1.74395	8.88782	12.57079	0.000392	0.030319	EMP1	epithelial membrane protein 1 [Source:HGNC Symbol;Acc:3333]
ENSG00000167034	2.44955	3.55456	12.52535	0.000401	0.030726	NKX3-1	NK3 homeobox 1 [Source:HGNC Symbol;Acc:7838]
ENSG00000128016	2.10952	10.17545	12.50289	0.000406	0.030726	ZFP36	ZFP36 ring finger protein [Source:HGNC Symbol;Acc:12862]
ENSG00000275894	2.05303	0.90055	12.52609	0.000401	0.030726	NA	
ENSG00000174705	1.03119	5.52508	12.50042	0.000407	0.030726	SH3PXD2B	SH3 and PX domains 2B [Source:HGNC Symbol;Acc:29242]
ENSG00000176678	1.67042	1.57214	12.46577	0.000414	0.031003	FOXJ1	forkhead box L1 [Source:HGNC Symbol;Acc:3817]
ENSG00000158050	1.86748	2.97524	12.41110	0.000427	0.031595	DUSP2	dual specificity phosphatase 2 [Source:HGNC Symbol;Acc:3068]
ENSG00000124466	1.78893	1.29060	12.41961	0.000425	0.031595	LYPD3	LY6/PLAUR domain containing 3 [Source:HGNC Symbol;Acc:24880]
ENSG00000221869	1.23158	7.62104	12.37821	0.000434	0.031884	CEBPD	CCAAT/enhancer binding protein (C/EBP), delta [Source:HGNC Symbol;Acc:1835]
ENSG00000125813	0.93546	4.22265	12.32791	0.000446	0.032333	RUNX2	runt-related transcription factor 2 [Source:HGNC Symbol;Acc:10472]
ENSG00000115594	1.05719	8.71549	12.29443	0.000454	0.032735	IL1R1	interleukin 1 receptor, type I [Source:HGNC Symbol;Acc:5993]
ENSG00000252372	1.49333	4.73142	12.28460	0.000457	0.032758	CCDC71L	coiled-coil domain containing 71-like [Source:HGNC Symbol;Acc:26685]
ENSG00000164318	1.58950	2.16823	12.22226	0.000472	0.033497	EGFLAM	EGF-like, fibronectin type III and laminin G domains [Source:HGNC Symbol;Acc:26810]
ENSG00000168334	3.92335	1.99704	12.10458	0.000503	0.034931	XIRP1	xin actin-binding repeat containing 1 [Source:HGNC Symbol;Acc:14301]
ENSG00000152377	1.93420	2.83709	12.09787	0.000505	0.034931	SPOCK1	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1 [Source:HGNC Symbol;Acc:11251]
ENSG00000196843	1.52085	5.73321	12.06792	0.000513	0.035193	ARID5A	AT rich interactive domain 5A (MRF1-like) [Source:HGNC Symbol;Acc:17361]
ENSG00000151892	1.11246	5.01076	12.06759	0.000513	0.035193	GFRA1	GDNF family receptor alpha 1 [Source:HGNC Symbol;Acc:4243]
ENSG00000075426	1.75485	8.25525	12.04064	0.000521	0.035550	FOSL2	FOS-like antigen 2 [Source:HGNC Symbol;Acc:3798]
ENSG00000123500	2.86865	2.41021	11.99261	0.000534	0.036008	COL10A1	collagen, type X, alpha 1 [Source:HGNC Symbol;Acc:2185]
ENSG00000134443	4.24415	7.44585	11.95381	0.000545	0.036609	GRP	gastrin-releasing peptide [Source:HGNC Symbol;Acc:4605]
ENSG00000145623	1.02575	7.46487	11.90923	0.000559	0.036913	OSMR	oncostatin M receptor [Source:HGNC Symbol;Acc:8507]
ENSG00000054803	3.66741	0.69675	11.88490	0.000566	0.037194	CBLN4	cerebellin 4 precursor [Source:HGNC Symbol;Acc:16231]
ENSG00000184731	1.18518	3.61468	11.86351	0.000572	0.037397	FAM110C	family with sequence similarity 110, member C [Source:HGNC Symbol;Acc:33340]
ENSG00000106809	1.32990	5.76436	11.84844	0.000577	0.037459	OGN	osteolectin [Source:HGNC Symbol;Acc:8126]
ENSG00000151012	1.39101	2.97448	11.77545	0.000600	0.038637	SLC7A11	solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11 [Source:HGNC Symbol;Acc:11059]
ENSG00000251348	2.80365	0.41699	11.73969	0.000612	0.038833	HSPD1P11	heat shock 60kDa protein 1 (chaperonin) pseudogene 11 [Source:HGNC Symbol;Acc:35142]
ENSG00000138135	2.53026	4.01963	11.71588	0.000620	0.038833	CH25H	cholesterol 25-hydroxylase [Source:HGNC Symbol;Acc:1907]
ENSG00000135069	2.25434	1.11560	11.71339	0.000621	0.038833	PSAT1	phosphoserine aminotransferase 1 [Source:HGNC Symbol;Acc:19129]
ENSG00000171621	1.99337	6.00924	11.71662	0.000619	0.038833	SPSB1	splA/ryanodine receptor domain and SOCS box containing 1 [Source:HGNC Symbol;Acc:30628]
ENSG00000273604	1.96251	1.88698	11.68570	0.000630	0.039104	NA	
ENSG00000148948	1.75336	2.17366	11.67399	0.000634	0.039196	LRRC4C	leucine rich repeat containing 4C [Source:HGNC Symbol;Acc:29317]
ENSG00000131873	1.31607	6.42325	11.61578	0.000654	0.040283	CHSY1	chondroitin sulfate synthase 1 [Source:HGNC Symbol;Acc:17198]
ENSG00000205420	7.34982	2.54470	11.56142	0.000673	0.040399	KRT6A	keratin 6A [Source:HGNC Symbol;Acc:6443]
ENSG00000163874	2.44096	5.86879	11.55104	0.000677	0.040399	ZC3H12A	zinc finger CCCH-type containing 12A [Source:HGNC Symbol;Acc:26259]
ENSG00000172724	1.95397	3.29850	11.55921	0.000674	0.040399	CCL19	chemokine (C-C motif) ligand 19 [Source:HGNC Symbol;Acc:10617]
ENSG00000148339	1.78313	5.60394	11.54750	0.000678	0.040399	SLC25A25	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 25 [Source:HGNC Symbol;Acc:20663]
ENSG00000121966	1.58279	5.87810	11.58527	0.000665	0.040399	CXCR4	chemokine (C-X-C motif) receptor 4 [Source:HGNC Symbol;Acc:2561]
ENSG00000065911	1.54419	4.71333	11.54593	0.000679	0.040399	MTHFD2	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methylenetetrahydrofolate cyclohydrolase [Source:HGNC Symbol;Acc:7434]
ENSG00000138061	1.47860	6.16185	11.58066	0.000666	0.040399	CYP1B1	cytochrome P450, family 1, subfamily B, polypeptide 1 [Source:HGNC Symbol;Acc:2597]
ENSG00000110680	4.93078	3.99998	11.44553	0.000717	0.042321	CALCA	calcitonin-related polypeptide alpha [Source:HGNC Symbol;Acc:1437]
ENSG00000131459	2.34992	4.56906	11.40761	0.000731	0.043032	GFPT2	glutamine-fructose-6-phosphate transaminase 2 [Source:HGNC Symbol;Acc:4242]
ENSG00000165507	1.77846	8.53285	11.32512	0.000765	0.044322	C10orf10	chromosome 10 open reading frame 10 [Source:HGNC Symbol;Acc:23355]
ENSG00000205362	2.81773	3.77660	11.30580	0.000773	0.044402	MT1A	metallothionein 1A [Source:HGNC Symbol;Acc:7393]
ENSG00000131711	1.51644	7.27115	11.30133	0.000775	0.044402	MAP1B	microtubule-associated protein 1B [Source:HGNC Symbol;Acc:6836]
ENSG00000172817	1.10464	2.94335	11.30361	0.000774	0.044402	CYP7B1	cytochrome P450, family 7, subfamily B, polypeptide 1 [Source:HGNC Symbol;Acc:2652]
ENSG00000169508	1.84737	5.00255	11.27908	0.000784	0.044611	GPR183	G protein-coupled receptor 183 [Source:HGNC Symbol;Acc:3128]
ENSG00000145362	1.80290	6.14064	11.28035	0.000783	0.044611	ANK2	ankyrin 2, neuronal [Source:HGNC Symbol;Acc:493]
ENSG00000130037	1.37375	2.29699	11.25152	0.000796	0.044933	KCNAB5	potassium voltage-gated channel, shaker-related subfamily, member 5 [Source:HGNC Symbol;Acc:6224]
ENSG00000080856	2.25382	2.62906	11.23221	0.000804	0.044989	SYN1	synapsin I [Source:HGNC Symbol;Acc:11494]
ENSG00000230673	1.72959	0.81842	11.17879	0.000827	0.045550	PABPC1P3	poly(A) binding protein, cytoplasmic 1 pseudogene 3 [Source:HGNC Symbol;Acc:8560]
ENSG00000069399	1.61388	6.27719	11.17440	0.000829	0.045550	BCL3	B-cell CLL/lymphoma 3 [Source:HGNC Symbol;Acc:998]
ENSG00000162924	1.47150	6.37958	11.14608	0.000842	0.045572	REL	v-rel avian reticuloendotheliosis viral oncogene homolog [Source:HGNC Symbol;Acc:9954]
ENSG00000140285	1.46996	6.31497	11.16497	0.000834	0.045572	FGF7	fibroblast growth factor 7 [Source:HGNC Symbol;Acc:3685]
ENSG00000149256	1.41991	3.35110	11.10063	0.000863	0.046415	TENM4	teneurin transmembrane protein 4 [Source:HGNC Symbol;Acc:29945]
ENSG00000167470	1.32106	7.60879	11.09466	0.000866	0.046415	MIDN	midline 1 [Source:HGNC Symbol;Acc:16298]
ENSG00000118985	1.39741	7.04448	11.08594	0.000870	0.046475	ELL2	elongation factor, RNA polymerase II, 2 [Source:HGNC Symbol;Acc:17064]
ENSG00000091879	1.16733	4.58683	11.07830	0.000873	0.046508	ANGPT2	angiopoietin 2 [Source:HGNC Symbol;Acc:485]
ENSG0000003987	2.30834	2.60351	11.05775	0.000883	0.046623	MTMR7	myotubularin related protein 7 [Source:HGNC Symbol;Acc:7454]
ENSG00000161960	1.94774	1.95922	11.04448	0.000890	0.046623	EIF4A1	eukaryotic translation initiation factor 4A1 [Source:HGNC Symbol;Acc:3282]
ENSG00000222041	1.51426	3.76558	11.04257	0.000890	0.046623	LINC00152	long intergenic non-protein coding RNA 152 [Source:HGNC Symbol;Acc:28717]
ENSG00000205364	2.65191	4.49950	11.00429	0.000909	0.046890	MT1M	metallothionein 1M [Source:HGNC Symbol;Acc:14296]
ENSG00000167941	2.48993	0.66407	10.97790	0.000922	0.046890	SOST	sclerostin [Source:HGNC Symbol;Acc:13771]
ENSG00000205502	2.36492	3.48337	11.00445	0.000909	0.046890	C2CD4B	C2 calcium-dependent domain containing 4B [Source:HGNC Symbol;Acc:33628]
ENSG00000081041	2.30551	6.75988	10.96524	0.000928	0.046890	CXCL2	chemokine (C-X-C motif) ligand 2 [Source:HGNC Symbol;Acc:4603]
ENSG00000211950	2.17215	3.00643	10.97162	0.000925	0.046890	IGHV1-24	immunoglobulin heavy variable 1-24 [Source:HGNC Symbol;Acc:5551]
ENSG00000109265	1.38957	2.59990	10.96968	0.000926	0.046890	KIAA1211	KIAA1211 [Source:HGNC Symbol;Acc:29219]
ENSG00000277632	2.38488	2.55016	10.95053	0.000936	0.046895	NA	
ENSG00000188257							

DE mRNA comb FDR 0.05 down

Ensembl gene	logFC	logCPM	LR	PValue	adj.p	gene	Description
ENSG00000231322	-3.07431	3.23551	58.28354	2.27E-14	3.56E-10	RPL13AP17	ribosomal protein L13a pseudogene 17 [Source:HGNC Symbol;Acc:36167]
ENSG00000186188	-2.65953	2.87334	34.69453	3.86E-09	3.03E-05	FFAR4	free fatty acid receptor 4 [Source:HGNC Symbol;Acc:19061]
ENSG00000183019	-2.13544	3.96816	27.04545	1.99E-07	0.000446	C19orf59	chromosome 19 open reading frame 59 [Source:HGNC Symbol;Acc:27291]
ENSG00000280099	-1.74596	3.04767	25.62358	4.15E-07	0.000661	NA	NA
ENSG00000227502	-2.11205	1.95524	24.52990	7.32E-07	0.000958	RP1-249H1.4	
ENSG00000205086	-2.60799	1.56772	23.75222	1.10E-06	0.001229	C2orf91	chromosome 2 open reading frame 91 [Source:HGNC Symbol;Acc:42966]
ENSG00000165490	-1.74827	1.98199	22.73104	1.86E-06	0.001829	C11orf82	chromosome 11 open reading frame 82 [Source:HGNC Symbol;Acc:26351]
ENSG00000177494	-1.97682	3.27748	21.76961	3.07E-06	0.002761	ZBED2	zinc finger, BED-type containing 2 [Source:HGNC Symbol;Acc:20710]
ENSG00000279312	-1.89422	3.25250	21.19005	4.16E-06	0.003439	NA	NA
ENSG00000111863	-1.83930	3.23586	20.86834	4.92E-06	0.003864	ADTRP	androgen-dependent TFPI-regulating protein [Source:HGNC Symbol;Acc:21214]
ENSG00000102886	-1.89367	1.33559	19.13650	1.22E-05	0.006178	GDPD3	glycerophosphodiester phosphodiesterase domain containing 3 [Source:HGNC Symbol;Acc:28638]
ENSG00000273877	-1.73812	1.45175	18.83734	1.42E-05	0.006178	NA	NA
ENSG00000233836	-1.24166	3.05035	19.08904	1.25E-05	0.006178	RP11-255H23.2	
ENSG00000168661	-1.50084	1.53976	18.26336	1.92E-05	0.007554	ZNF30	zinc finger protein 30 [Source:HGNC Symbol;Acc:13090]
ENSG00000165140	-1.41840	6.79165	17.72047	2.56E-05	0.008551	FBP1	fructose-1,6-bisphosphatase 1 [Source:HGNC Symbol;Acc:3606]
ENSG00000197933	-1.40929	1.98489	17.67734	2.62E-05	0.008565	ZNF823	zinc finger protein 823 [Source:HGNC Symbol;Acc:30936]
ENSG00000267530	-1.78582	2.05237	17.46581	2.93E-05	0.008951	AC006273.5	
ENSG00000109084	-1.12343	4.54093	17.26167	3.26E-05	0.009302	TMEM97	transmembrane protein 97 [Source:HGNC Symbol;Acc:28106]
ENSG00000101280	-2.35348	2.19223	16.52967	4.79E-05	0.010282	ANGPT4	angiopoietin 4 [Source:HGNC Symbol;Acc:487]
ENSG00000166928	-2.00636	4.29593	16.66520	4.46E-05	0.010282	MS4A14	membrane-spanning 4-domains, subfamily A, member 14 [Source:HGNC Symbol;Acc:30706]
ENSG00000154309	-1.55690	4.98686	16.68774	4.41E-05	0.010282	DISP1	dispatched homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:19711]
ENSG00000186074	-1.47624	4.09755	16.61976	4.57E-05	0.010282	CD300LF	CD300 molecule-like family member f [Source:HGNC Symbol;Acc:29883]
ENSG00000144285	-1.30572	3.92562	16.68210	4.42E-05	0.010282	SCN1A	sodium channel, voltage-gated, type I, alpha subunit [Source:HGNC Symbol;Acc:10585]
ENSG00000197471	-1.28156	6.32352	16.51354	4.83E-05	0.010282	SPN	sialophorin [Source:HGNC Symbol;Acc:11249]
ENSG00000055732	-1.10872	3.95160	16.57976	4.66E-05	0.010282	MCOLN3	mucopolin 3 [Source:HGNC Symbol;Acc:13358]
ENSG00000182010	-1.56050	8.02949	16.47161	4.94E-05	0.010343	RTKN2	rhotekin 2 [Source:HGNC Symbol;Acc:19364]
ENSG00000134216	-1.68643	2.64706	15.93909	6.54E-05	0.012127	CHIA	chitinase, acidic [Source:HGNC Symbol;Acc:17432]
ENSG00000163154	-1.63822	1.79222	15.87453	6.77E-05	0.012127	TNFAIP8L2	tumor necrosis factor, alpha-induced protein 8-like 2 [Source:HGNC Symbol;Acc:26277]
ENSG00000038945	-1.54726	7.30109	15.41974	8.61E-05	0.013940	MSR1	macrophage scavenger receptor 1 [Source:HGNC Symbol;Acc:7376]
ENSG00000279289	-1.53363	2.18354	15.26661	9.34E-05	0.014376	NA	NA
ENSG00000196268	-1.04599	4.72817	15.30275	9.16E-05	0.014376	ZNF493	zinc finger protein 493 [Source:HGNC Symbol;Acc:23708]
ENSG00000206557	-2.53617	2.02738	15.01206	0.000107	0.015683	TRIM71	tripartite motif containing 71, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:32669]
ENSG00000224215	-1.97496	1.67573	15.02507	0.000106	0.015683	RP11-371A19.2	
ENSG00000184635	-1.29200	1.84297	15.04015	0.000105	0.015683	ZNF93	zinc finger protein 93 [Source:HGNC Symbol;Acc:13169]
ENSG00000261786	-1.43300	3.03675	14.84921	0.000116	0.015985	RP4-555D20.2	
ENSG00000167588	-1.70160	4.36066	14.77489	0.000121	0.016126	GPD1	glycerol-3-phosphate dehydrogenase 1 (soluble) [Source:HGNC Symbol;Acc:4455]
ENSG00000268518	-2.00011	0.60830	14.65128	0.000129	0.016501	CTD-2545M3.8	
ENSG00000187808	-2.07373	0.82422	14.48452	0.000141	0.017342	SOWAHD	sonodowah ankyrin repeat domain family member D [Source:HGNC Symbol;Acc:32960]
ENSG00000143167	-2.44864	3.02947	14.43688	0.000145	0.017648	GPA33	glycoprotein A33 (transmembrane) [Source:HGNC Symbol;Acc:4445]
ENSG00000185614	-1.86753	0.62686	14.34695	0.000152	0.017773	FAM212A	family with sequence similarity 212, member A [Source:HGNC Symbol;Acc:32480]
ENSG00000155465	-1.12167	4.92244	14.33824	0.000153	0.017773	SLC7A7	solute carrier family 7 (amino acid transporter light chain, y-L system), member 7 [Source:HGNC Symbol;Acc:11065]
ENSG00000279425	-1.59897	1.49439	14.26448	0.000159	0.017949	NA	NA
ENSG00000019169	-1.73063	7.78359	14.22603	0.000162	0.018189	MARCO	macrophage receptor with collagenous structure [Source:HGNC Symbol;Acc:6895]
ENSG00000233038	-1.51340	1.97987	14.20414	0.000164	0.018271	AC011899.9	
ENSG00000143365	-1.50999	3.41918	14.11790	0.000172	0.018933	RORC	RAR-related orphan receptor C [Source:HGNC Symbol;Acc:10260]
ENSG00000133246	-1.51073	4.02600	14.03662	0.000179	0.019557	PRAM1	PML-RARA regulated adaptor molecule 1 [Source:HGNC Symbol;Acc:30091]
ENSG00000183647	-1.38241	1.20807	14.01903	0.000181	0.019605	ZNF530	zinc finger protein 530 [Source:HGNC Symbol;Acc:29297]
ENSG00000164120	-1.32211	6.84085	13.97325	0.000185	0.019950	HPGD	hydroxyprostaglandin dehydrogenase 15-(NAD) [Source:HGNC Symbol;Acc:5154]
ENSG00000170909	-1.54860	4.04146	13.87146	0.000196	0.020776	OSCAR	osteoclast associated, immunoglobulin-like receptor [Source:HGNC Symbol;Acc:29960]
ENSG00000279518	-1.77727	1.75584	13.79118	0.000204	0.021079	NA	NA
ENSG00000198574	-1.38575	1.31642	13.82165	0.000201	0.021079	SH2D1B	SH2 domain containing 1B [Source:HGNC Symbol;Acc:30416]
ENSG00000143355	-2.54493	2.06730	13.72690	0.000211	0.021151	LHX9	LIM homeobox 9 [Source:HGNC Symbol;Acc:14222]
ENSG00000139292	-1.61875	1.64914	13.65609	0.000220	0.021688	LGR5	leucine-rich repeat containing G protein-coupled receptor 5 [Source:HGNC Symbol;Acc:4504]
ENSG00000197044	-1.06663	3.96501	13.57234	0.000230	0.022267	ZNF441	zinc finger protein 441 [Source:HGNC Symbol;Acc:20875]
ENSG00000159640	-1.26635	5.80508	13.50399	0.000238	0.022484	ACE	angiotensin I converting enzyme [Source:HGNC Symbol;Acc:2707]
ENSG00000186326	-1.90941	0.34521	13.44008	0.000246	0.022504	RGS9BP	regulator of G protein signaling 9 binding protein [Source:HGNC Symbol;Acc:30304]
ENSG00000166347	-1.07042	7.35009	13.34534	0.000259	0.022924	CYB5A	cytochrome b5 type A (microsomal) [Source:HGNC Symbol;Acc:2570]
ENSG00000136352	-1.06764	6.89094	13.37088	0.000256	0.022924	NKX2-1	NK2 homeobox 1 [Source:HGNC Symbol;Acc:11825]
ENSG00000162704	-0.71457	7.06887	13.24224	0.000274	0.023886	ARPC5	actin related protein 2/3 complex, subunit 5, 16kDa [Source:HGNC Symbol;Acc:708]
ENSG00000169442	-1.19106	6.22658	13.18378	0.000282	0.024107	CD52	CD52 molecule [Source:HGNC Symbol;Acc:1804]
ENSG00000196154	-1.14745	7.16932	13.14696	0.000288	0.024321	S100A4	S100 calcium binding protein A4 [Source:HGNC Symbol;Acc:10494]
ENSG00000137819	-1.00375	4.17572	13.07666	0.000299	0.024982	PQA95	progesterin and adipoQ receptor family member V [Source:HGNC Symbol;Acc:29645]
ENSG00000104880	-1.40721	1.25702	12.64312	0.000377	0.029458	ARHGAP18	Rho/Rac guanine nucleotide exchange factor (GEF) 18 [Source:HGNC Symbol;Acc:17090]
ENSG00000236333	-1.44039	1.78336	12.59270	0.000387	0.030114	TRHDE-AS1	TRHDE antisense RNA 1 [Source:HGNC Symbol;Acc:27471]
ENSG00000140600	-1.54488	1.76138	12.51154	0.000404	0.030726	SH3GL3	SH3-domain GRB2-like 3 [Source:HGNC Symbol;Acc:10832]
ENSG00000164048	-1.29416	4.41419	12.48971	0.000409	0.030755	ZNF589	zinc finger protein 589 [Source:HGNC Symbol;Acc:16747]
ENSG00000091106	-1.67865	2.83262	12.40395	0.000428	0.031595	NLRCA	NLR family, CARD domain containing 4 [Source:HGNC Symbol;Acc:16412]
ENSG00000170396	-1.47702	1.28848	12.35579	0.000440	0.032119	ZNF804A	zinc finger protein 804A [Source:HGNC Symbol;Acc:21711]
ENSG00000324444	-1.06178	5.32809	12.32612	0.000447	0.032333	PNPLA6	pataatin-like phospholipase domain containing 6 [Source:HGNC Symbol;Acc:16268]
ENSG00000134962	-1.41792	2.66826	12.22001	0.000473	0.033497	KLB	klotho beta [Source:HGNC Symbol;Acc:15527]
ENSG00000086300	-1.19473	5.37061	12.21757	0.000473	0.033497	SNX10	sorting nexin 10 [Source:HGNC Symbol;Acc:14974]
ENSG00000261685	-1.23402	4.80874	12.19197	0.000480	0.033808	RP11-401P9.4	
ENSG00000135929	-1.05054	6.17623	12.18220	0.000482	0.033834	CYP27A1	cytochrome P450, family 27, subfamily A, polypeptide 1 [Source:HGNC Symbol;Acc:2605]
ENSG00000234616	-1.03820	3.28341	12.11818	0.000499	0.034860	JRK	jerky homolog (mouse) [Source:HGNC Symbol;Acc:6199]
ENSG00000197124	-1.07233	2.65758	12.01768	0.000527	0.035835	ZNF682	zinc finger protein 682 [Source:HGNC Symbol;Acc:28857]
ENSG00000100078	-1.55672	0.91795	11.99306	0.000534	0.036008	PLA2G3	phospholipase A2, group III [Source:HGNC Symbol;Acc:17934]
ENSG00000099194	-1.18796	8.85737	11.90836	0.000559	0.036913	SCD	stearoyl-CoA desaturase (delta-9-desaturase) [Source:HGNC Symbol;Acc:10571]
ENSG00000274349	-1.07794	2.50834	11.91038	0.000558	0.036913	NA	NA
ENSG00000171291	-1.02423	3.32195	11.90682	0.000559	0.036913	ZNF439	zinc finger protein 439 [Source:HGNC Symbol;Acc:20873]
ENSG00000137872	-1.19177	5.71449	11.85924	0.000574	0.037397	SEMA6D	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D [Source:HGNC Symbol;Acc:16770]
ENSG00000137976	-1.88449	1.88299	11.78792	0.000596	0.038537	DNASE2B	deoxyribonuclease II beta [Source:HGNC Symbol;Acc:28875]
ENSG00000276409	-1.98823	1.35850	11.71362	0.000620	0.038833	NA	NA
ENSG00000146166	-1.93876	0.93318	11.74996	0.000608	0.038833	LGSN	lensin, lens protein with glutamine synthetase domain [Source:HGNC Symbol;Acc:21016]
ENSG00000111144	-1.11123	8.16197	11.72359	0.000617	0.038833	LTA4H	leukotriene A4 hydrolase [Source:HGNC Symbol;Acc:6710]
ENSG00000115648	-0.90705	6.99280	11.69131	0.000628	0.039172	MLPH	melanophilin [Source:HGNC Symbol;Acc:29643]
ENSG00000204420	-1.33403	2.10145	11.55626	0.000675	0.040399	C6orf25	chromosome 6 open reading frame 25 [Source:HGNC Symbol;Acc:13937]
ENSG00000083814	-1.05999	2.14547	11.58014	0.000667	0.040399	ZNF671	zinc finger protein 671 [Source:HGNC Symbol;Acc:26279]
ENSG00000280399	-1.04645	3.51487	11.52535	0.000687	0.040695	NA	NA
ENSG00000130598	-1.66960	1.67328	11.37485	0.000744	0.043472	TNNI2	troponin I type 2 (skeletal, fast) [Source:HGNC Symbol;Acc:11946]
ENSG00000242640	-1.27400	2.09154	11.37487	0.000744	0.043472	RP11-302F12.1	
ENSG00000260361	-1.41449	1.57306	11.36577	0.000748	0.043523	CTD-2313J17.5	
ENSG00000128268	-1.03122	4.10459	11.25277	0.000795	0.044933	MGAT3	mannosyl (beta-1,4)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase [Source:HGNC Symbol;Acc:7046]
ENSG00000143971	-0.87887	4.52574	11.24570	0.000798	0.044933	ETAA1	Ewing tumor-associated antigen 1 [Source:HGNC Symbol;Acc:24648]
ENSG00000184730	-1.20820	4.80847	11.23012	0.000805	0.044989	APOBR	apolipoprotein B receptor [Source:HGNC Symbol;Acc:24087]
ENSG00000169905	-0.64610	6.29022	11.20608	0.000815	0.045414	TOR1AIP2	torsin A interacting protein 2 [Source:HGNC Symbol;Acc:24055]
ENSG00000271971	-1.34560	1.21604	11.19417	0.000821	0.045545	CTD-2006H14.2	
ENSG00000247373	-1.51065	1.43984	11.18336	0.000825	0.045550	RP11-486O12.2	
ENSG00000152213	-1.41694	2.39502	11.15503	0.000838	0.045572	ARL11	ADP-ribosylation factor-like 11 [Source:HGNC Symbol;Acc:24046]
ENSG00000108846	-1.00965	4.82562	11.14213	0.000844	0.045572	ABCC3	ATP-binding cassette, sub-family C (CFTR/MRP), member 3 [Source:HGNC Symbol;Acc:54]
ENSG00000115419	-0.67350	6.69722	11.14136	0.000844	0.045572	GLS	glutaminase [Source:HGNC Symbol;Acc:4331]
ENSG00000152804	-1.30047	3.72252	11.04738	0.000888	0.046623	HEX	hematopoietically expressed homeobox [Source:HGNC Symbol;Acc:4901]
ENSG00000165186	-1.25021	2.29810	11.06390	0.000880	0.046623	PTCHD1	patched domain containing 1 [Source:HGNC Symbol;Acc:26392]
ENSG00000257550	-1.3123						

DE mRNA comb FDR 0.05 down

Ensembl gene	logFC	logCPM	LR	PValue	adj.p	gene	Description
ENSG00000164683	-1.54699	4.37894	10.78562	0.001023	0.048224	HEY1	hes-related family bHLH transcription factor with YRPW motif 1 [Source:HGNC Symbol;Acc:4880]
ENSG00000280048	-1.90525	0.28699	10.74691	0.001045	0.048622	NA	NA
ENSG00000130544	-0.99904	3.42857	10.71347	0.001064	0.048850	ZNF557	zinc finger protein 557 [Source:HGNC Symbol;Acc:28632]
ENSG00000150337	-1.13465	3.54856	10.69821	0.001072	0.048968	FCGR1A	Fc fragment of IgG, high affinity la, receptor (CD64) [Source:HGNC Symbol;Acc:3613]
ENSG00000256229	-0.94205	2.66936	10.70280	0.001070	0.048968	ZNF486	zinc finger protein 486 [Source:HGNC Symbol;Acc:20807]
ENSG00000273033	-0.82338	4.25747	10.69044	0.001077	0.049032	RP11-67L2.2	
ENSG00000262222	-1.38648	1.06365	10.66043	0.001095	0.049690	RP11-876N24.4	
ENSG00000174837	-1.52189	2.74022	10.63087	0.001112	0.049913	EMR1	egf-like module containing, mucin-like, hormone receptor-like 1 [Source:HGNC Symbol;Acc:3336]