

**Supplementary Table 1.** List of differentially expressed genes identified at three days after the start of ETC-159 treatment of colorectal tumors. Log2 fold-changes between untreated (vehicle, VEH) and ETC-159 treated (ETC) tumors are reported. Changes in gene expression were considered significant if the Benjamini-Hochberg adjusted P-value <0.0001 (see Methods for details on the RNAseq and differential expression analysis). (A) Genes significantly down-regulated after ETC-169 treatment; (B) genes significantly up-regulated after ETC-169 treatment. Each table is sorted according to the significance of differential expression (BH adjusted P-value).

(A) Genes down-regulated after ETC-159 treatment

Gene symbol	ENSEMBL gene ID	Gene description	log2 fold change (VEH/ETC)	BH-adjusted P-value
RRM2	ENSG00000171848	ribonucleotide reductase M2 [Source:HGNC Symbol;Acc:10452]	4.93	1.2E-162
MKI67	ENSG00000148773	marker of proliferation Ki-67 [Source:HGNC Symbol;Acc:7107]	4.35	1.0E-142
CLDN2	ENSG00000165376	claudin 2 [Source:HGNC Symbol;Acc:2041]	5.03	2.3E-130
CCNB1	ENSG00000134057	cyclin B1 [Source:HGNC Symbol;Acc:1579]	3.99	5.3E-129
MCM4	ENSG00000104738	minichromosome maintenance complex component 4 [Source:HGNC Symbol;Acc:6947]	3.03	1.4E-128
CDCA7	ENSG00000144354	cell division cycle associated 7 [Source:HGNC Symbol;Acc:14628]	5.74	9.6E-117
FOXM1	ENSG00000111206	forkhead box M1 [Source:HGNC Symbol;Acc:3818]	4.39	1.8E-112
UBE2C	ENSG00000175063	ubiquitin-conjugating enzyme E2C [Source:HGNC Symbol;Acc:15937]	3.99	5.3E-106
TOP2A	ENSG00000131747	topoisomerase (DNA) II alpha 170kDa [Source:HGNC Symbol;Acc:11989]	4.90	1.0E-104
MCM6	ENSG00000076003	minichromosome maintenance complex component 6 [Source:HGNC Symbol;Acc:6949]	4.19	7.6E-100
STMN1	ENSG00000117632	stathmin 1 [Source:HGNC Symbol;Acc:6510]	4.22	2.3E-96
CDCA5	ENSG00000146670	cell division cycle associated 5 [Source:HGNC Symbol;Acc:14626]	4.82	4.5E-95
PRC1	ENSG00000198901	protein regulator of cytokinesis 1 [Source:HGNC Symbol;Acc:9341]	3.16	4.0E-94
NUSAP1	ENSG00000137804	nucleolar and spindle associated protein 1 [Source:HGNC Symbol;Acc:18538]	4.40	5.2E-94
ALDH1B1	ENSG00000137124	aldehyde dehydrogenase 1 family, member B1 [Source:HGNC Symbol;Acc:407]	4.20	1.0E-91

CENPF	ENSG00000117724	centromere protein F, 350/400kDa [Source:HGNC Symbol;Acc:1857]	4.69	1.1E-87
TTK	ENSG00000112742	TTK protein kinase [Source:HGNC Symbol;Acc:12401]	4.54	3.1E-87
ZWINT	ENSG00000122952	ZW10 interacting kinetochore protein [Source:HGNC Symbol;Acc:13195]	3.12	1.0E-86
HMMR	ENSG00000072571	hyaluronan-mediated motility receptor (RHAMM) [Source:HGNC Symbol;Acc:5012]	4.27	1.5E-84
MCM3	ENSG00000112118	minichromosome maintenance complex component 3 [Source:HGNC Symbol;Acc:6945]	2.97	3.6E-84
KIF4A	ENSG00000090889	kinesin family member 4A [Source:HGNC Symbol;Acc:13339]	4.02	1.0E-83
UHRF1	ENSG00000034063	ubiquitin-like with PHD and ring finger domains 1 [Source:HGNC Symbol;Acc:12556]	3.64	1.1E-83
FAM111B	ENSG00000189057	family with sequence similarity 111, member B [Source:HGNC Symbol;Acc:24200]	5.54	4.1E-83
LMNB1	ENSG00000113368	lamin B1 [Source:HGNC Symbol;Acc:6637]	4.91	7.9E-83
NEK2	ENSG00000117650	NIMA-related kinase 2 [Source:HGNC Symbol;Acc:7745]	4.21	7.9E-83
BIRC5	ENSG00000089685	baculoviral IAP repeat containing 5 [Source:HGNC Symbol;Acc:593]	4.72	9.3E-83
ARHGAP11A	ENSG00000198826	Rho GTPase activating protein 11A [Source:HGNC Symbol;Acc:15783]	5.13	2.4E-82
FEN1	ENSG00000168496	flap structure-specific endonuclease 1 [Source:HGNC Symbol;Acc:3650]	2.73	1.5E-81
CDK1	ENSG00000170312	cyclin-dependent kinase 1 [Source:HGNC Symbol;Acc:1722]	3.99	3.1E-81
ASPM	ENSG00000066279	asp (abnormal spindle) homolog, microcephaly associated (Drosophila) [Source:HGNC Symbol;Acc:19048]	4.31	5.1E-81
ASCL2	ENSG00000183734	achaete-scute family bHLH transcription factor 2 [Source:HGNC Symbol;Acc:739]	7.50	9.4E-81
KNTC1	ENSG00000184445	kinetochore associated 1 [Source:HGNC Symbol;Acc:17255]	3.09	1.3E-80
KIF11	ENSG00000138160	kinesin family member 11 [Source:HGNC Symbol;Acc:6388]	4.36	3.2E-80
MCM2	ENSG00000073111	minichromosome maintenance complex component 2 [Source:HGNC Symbol;Acc:6944]	3.81	2.9E-79
--	ENSG00000268310	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R3F9]	5.04	2.2E-78

KIAA1324	ENSG00000116299	KIAA1324 [Source:HGNC Symbol;Acc:29618]	3.71	1.1E-77
CDKN3	ENSG00000100526	cyclin-dependent kinase inhibitor 3 [Source:HGNC Symbol;Acc:1791]	3.58	1.5E-77
GIN51	ENSG00000101003	GIN5 complex subunit 1 (Psf1 homolog) [Source:HGNC Symbol;Acc:28980]	3.90	3.1E-77
TPX2	ENSG00000088325	TPX2, microtubule-associated [Source:HGNC Symbol;Acc:1249]	3.07	3.7E-77
SAPCD2	ENSG00000186193	suppressor APC domain containing 2 [Source:HGNC Symbol;Acc:28055]	3.52	8.9E-76
LDHB	ENSG00000111716	lactate dehydrogenase B [Source:HGNC Symbol;Acc:6541]	2.76	1.5E-75
LRIG1	ENSG00000144749	leucine-rich repeats and immunoglobulin-like domains 1 [Source:HGNC Symbol;Acc:17360]	2.56	2.2E-75
CENPU	ENSG00000151725	centromere protein U [Source:HGNC Symbol;Acc:21348]	3.62	1.1E-74
HELLS	ENSG00000119969	helicase, lymphoid-specific [Source:HGNC Symbol;Acc:4861]	5.08	1.1E-74
HJURP	ENSG00000123485	Holliday junction recognition protein [Source:HGNC Symbol;Acc:25444]	4.74	1.1E-74
KIF2C	ENSG00000142945	kinesin family member 2C [Source:HGNC Symbol;Acc:6393]	4.57	7.8E-74
MTHFD1	ENSG00000100714	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase [Source:HGNC Symbol;Acc:7432]	2.98	4.3E-73
NCAPH	ENSG00000121152	non-SMC condensin I complex, subunit H [Source:HGNC Symbol;Acc:1112]	4.52	5.5E-73
AURKB	ENSG00000178999	aurora kinase B [Source:HGNC Symbol;Acc:11390]	5.23	1.7E-72
KIF23	ENSG00000137807	kinesin family member 23 [Source:HGNC Symbol;Acc:6392]	4.29	5.7E-72
HMGB2	ENSG00000164104	high mobility group box 2 [Source:HGNC Symbol;Acc:5000]	3.72	5.8E-71
KIF20A	ENSG00000112984	kinesin family member 20A [Source:HGNC Symbol;Acc:9787]	4.53	2.4E-70
RGMB	ENSG00000174136	repulsive guidance molecule family member b [Source:HGNC Symbol;Acc:26896]	2.94	1.2E-69
TROAP	ENSG00000135451	trophinin associated protein [Source:HGNC Symbol;Acc:12327]	4.08	1.5E-69
CCNB2	ENSG00000157456	cyclin B2 [Source:HGNC Symbol;Acc:1580]	3.62	2.5E-67
PARP1	ENSG00000143799	poly (ADP-ribose) polymerase 1 [Source:HGNC Symbol;Acc:270]	3.28	8.0E-67

MAD2L1	ENSG00000164109	MAD2 mitotic arrest deficient-like 1 (yeast) [Source:HGNC Symbol;Acc:6763]	4.86	2.8E-65
MSH2	ENSG00000095002	mutS homolog 2 [Source:HGNC Symbol;Acc:7325]	3.61	3.9E-65
POLQ	ENSG00000051341	polymerase (DNA directed), theta [Source:HGNC Symbol;Acc:9186]	5.00	6.1E-65
BUB1	ENSG00000169679	BUB1 mitotic checkpoint serine/threonine kinase [Source:HGNC Symbol;Acc:1148]	4.08	2.7E-63
NCAPD3	ENSG00000151503	non-SMC condensin II complex, subunit D3 [Source:HGNC Symbol;Acc:28952]	2.59	1.1E-62
CEP55	ENSG00000138180	centrosomal protein 55kDa [Source:HGNC Symbol;Acc:1161]	3.72	1.4E-62
ASF1B	ENSG00000105011	anti-silencing function 1B histone chaperone [Source:HGNC Symbol;Acc:20996]	3.88	1.8E-62
SPAG5	ENSG00000076382	sperm associated antigen 5 [Source:HGNC Symbol;Acc:13452]	3.08	2.5E-62
CIT	ENSG00000122966	citron (rho-interacting, serine/threonine kinase 21) [Source:HGNC Symbol;Acc:1985]	4.12	6.2E-62
FAM83D	ENSG00000101447	family with sequence similarity 83, member D [Source:HGNC Symbol;Acc:16122]	3.55	7.6E-62
KIFC1	ENSG00000237649	kinesin family member C1 [Source:HGNC Symbol;Acc:6389]	3.78	1.2E-61
CKS2	ENSG00000123975	CDC28 protein kinase regulatory subunit 2 [Source:HGNC Symbol;Acc:2000]	2.78	2.8E-61
MYBL2	ENSG00000101057	v-myb avian myeloblastosis viral oncogene homolog-like 2 [Source:HGNC Symbol;Acc:7548]	4.11	4.1E-61
DUT	ENSG00000128951	deoxyuridine triphosphatase [Source:HGNC Symbol;Acc:3078]	3.41	5.6E-61
RACGAP1	ENSG00000161800	Rac GTPase activating protein 1 [Source:HGNC Symbol;Acc:9804]	2.84	8.6E-61
RFC3	ENSG00000133119	replication factor C (activator 1) 3, 38kDa [Source:HGNC Symbol;Acc:9971]	4.60	3.0E-60
AURKA	ENSG00000087586	aurora kinase A [Source:HGNC Symbol;Acc:11393]	2.53	3.1E-60
HOXB9	ENSG00000170689	homeobox B9 [Source:HGNC Symbol;Acc:5120]	2.62	3.8E-60
PBK	ENSG00000168078	PDZ binding kinase [Source:HGNC Symbol;Acc:18282]	5.06	4.0E-60
AHCY	ENSG00000101444	adenosylhomocysteinase [Source:HGNC Symbol;Acc:343]	2.31	4.3E-60

ALDH7A1	ENSG00000164904	aldehyde dehydrogenase 7 family, member A1 [Source:HGNC Symbol;Acc:877]	2.98	7.4E-60
PSRC1	ENSG00000134222	proline/serine-rich coiled-coil 1 [Source:HGNC Symbol;Acc:24472]	4.31	1.2E-59
NCAPG	ENSG00000109805	non-SMC condensin I complex, subunit G [Source:HGNC Symbol;Acc:24304]	3.45	1.8E-59
ANLN	ENSG00000011426	anillin, actin binding protein [Source:HGNC Symbol;Acc:14082]	3.50	2.2E-59
CDC20	ENSG00000117399	cell division cycle 20 [Source:HGNC Symbol;Acc:1723]	4.06	3.3E-59
KPNA2	ENSG00000182481	karyopherin alpha 2 (RAG cohort 1, importin alpha 1) [Source:HGNC Symbol;Acc:6395]	2.41	6.8E-59
NPM3	ENSG00000107833	nucleophosmin/nucleoplasmin 3 [Source:HGNC Symbol;Acc:7931]	3.05	1.9E-58
LINC00261	ENSG00000259974	long intergenic non-protein coding RNA 261 [Source:HGNC Symbol;Acc:16189]	3.67	5.7E-58
GYLTL1B	ENSG00000165905	glycosyltransferase-like 1B [Source:HGNC Symbol;Acc:16522]	4.53	8.7E-58
C1QBP	ENSG00000108561	complement component 1, q subcomponent binding protein [Source:HGNC Symbol;Acc:1243]	2.39	9.1E-58
NDC80	ENSG00000080986	NDC80 kinetochore complex component [Source:HGNC Symbol;Acc:16909]	4.14	9.4E-58
BRCA1	ENSG00000012048	breast cancer 1, early onset [Source:HGNC Symbol;Acc:1100]	4.09	1.0E-57
APEX1	ENSG00000100823	APEX nuclease (multifunctional DNA repair enzyme) 1 [Source:HGNC Symbol;Acc:587]	2.21	2.1E-57
PTPLAD1	ENSG00000074696	protein tyrosine phosphatase-like A domain containing 1 [Source:HGNC Symbol;Acc:24175]	2.56	4.2E-57
NUF2	ENSG00000143228	NUF2, NDC80 kinetochore complex component [Source:HGNC Symbol;Acc:14621]	4.45	5.5E-57
CCNA2	ENSG00000145386	cyclin A2 [Source:HGNC Symbol;Acc:1578]	3.45	6.8E-57
KIF18B	ENSG00000186185	kinesin family member 18B [Source:HGNC Symbol;Acc:27102]	4.61	1.5E-56
DLGAP5	ENSG00000126787	discs, large (Drosophila) homolog-associated protein 5 [Source:HGNC Symbol;Acc:16864]	4.13	2.3E-56

NASP	ENSG00000132780	nuclear autoantigenic sperm protein (histone-binding) [Source:HGNC Symbol;Acc:7644]	2.21	2.3E-56
SKP2	ENSG00000145604	S-phase kinase-associated protein 2, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:10901]	3.98	4.2E-56
WHSC1	ENSG00000109685	Wolf-Hirschhorn syndrome candidate 1 [Source:HGNC Symbol;Acc:12766]	2.04	2.2E-55
CENPW	ENSG00000203760	centromere protein W [Source:HGNC Symbol;Acc:21488]	3.47	2.4E-55
HMG2	ENSG00000198830	high mobility group nucleosomal binding domain 2 [Source:HGNC Symbol;Acc:4986]	2.06	3.5E-55
ERCC6L	ENSG00000186871	excision repair cross-complementing rodent repair deficiency, complementation group 6-like [Source:HGNC Symbol;Acc:20794]	4.81	6.6E-55
GINS2	ENSG00000131153	GINS complex subunit 2 (Psf2 homolog) [Source:HGNC Symbol;Acc:24575]	5.06	1.9E-54
UNG	ENSG00000076248	uracil-DNA glycosylase [Source:HGNC Symbol;Acc:12572]	3.00	2.7E-54
RAD51AP1	ENSG00000111247	RAD51 associated protein 1 [Source:HGNC Symbol;Acc:16956]	4.64	4.3E-54
PLEKHB1	ENSG00000021300	pleckstrin homology domain containing, family B (evectins) member 1 [Source:HGNC Symbol;Acc:19079]	4.36	5.3E-54
ATAD2	ENSG00000156802	ATPase family, AAA domain containing 2 [Source:HGNC Symbol;Acc:30123]	2.92	1.4E-53
CHEK1	ENSG00000149554	checkpoint kinase 1 [Source:HGNC Symbol;Acc:1925]	3.00	2.9E-53
PAICS	ENSG00000128050	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase [Source:HGNC Symbol;Acc:8587]	2.89	1.7E-52
PARPBP	ENSG00000185480	PARP1 binding protein [Source:HGNC Symbol;Acc:26074]	4.16	3.7E-52
ST6GAL1	ENSG00000073849	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1 [Source:HGNC Symbol;Acc:10860]	5.02	4.0E-52
UBE2T	ENSG00000077152	ubiquitin-conjugating enzyme E2T (putative) [Source:HGNC Symbol;Acc:25009]	3.93	4.4E-52

SLC43A1	ENSG00000149150	solute carrier family 43 (amino acid system L transporter), member 1 [Source:HGNC Symbol;Acc:9225]	5.78	6.6E-52
KIF14	ENSG00000118193	kinesin family member 14 [Source:HGNC Symbol;Acc:19181]	4.36	8.5E-52
NAT10	ENSG00000135372	N-acetyltransferase 10 (GCN5-related) [Source:HGNC Symbol;Acc:29830]	2.16	1.4E-51
DKC1	ENSG00000130826	dyskeratosis congenita 1, dyskerin [Source:HGNC Symbol;Acc:2890]	2.21	1.4E-51
SLC12A2	ENSG00000064651	solute carrier family 12 (sodium/potassium/chloride transporter), member 2 [Source:HGNC Symbol;Acc:10911]	3.67	1.8E-51
KIF22	ENSG00000079616	kinesin family member 22 [Source:HGNC Symbol;Acc:6391]	2.92	2.4E-51
C11orf82	ENSG00000165490	chromosome 11 open reading frame 82 [Source:HGNC Symbol;Acc:26351]	4.79	3.2E-51
TYMS	ENSG00000176890	thymidylate synthetase [Source:HGNC Symbol;Acc:12441]	2.83	3.4E-51
PEBP1	ENSG00000089220	phosphatidylethanolamine binding protein 1 [Source:HGNC Symbol;Acc:8630]	2.25	3.4E-51
LIG1	ENSG00000105486	ligase I, DNA, ATP-dependent [Source:HGNC Symbol;Acc:6598]	3.05	1.7E-50
CENPA	ENSG00000115163	centromere protein A [Source:HGNC Symbol;Acc:1851]	4.81	1.7E-50
SKA3	ENSG00000165480	spindle and kinetochore associated complex subunit 3 [Source:HGNC Symbol;Acc:20262]	4.79	3.1E-50
PRC1-AS1	ENSG00000258725	PRC1 antisense RNA 1 [Source:HGNC Symbol;Acc:48587]	3.41	3.4E-50
FABP5	ENSG00000164687	fatty acid binding protein 5 (psoriasis-associated) [Source:HGNC Symbol;Acc:3560]	3.99	4.7E-50
MCM10	ENSG00000065328	minichromosome maintenance complex component 10 [Source:HGNC Symbol;Acc:18043]	4.55	6.5E-50
DTL	ENSG00000143476	denticleless E3 ubiquitin protein ligase homolog (Drosophila) [Source:HGNC Symbol;Acc:30288]	5.11	6.8E-50
ZNF367	ENSG00000165244	zinc finger protein 367 [Source:HGNC Symbol;Acc:18320]	4.25	1.4E-49
FBL	ENSG00000105202	fibrillarin [Source:HGNC Symbol;Acc:3599]	2.77	3.3E-49
TCOF1	ENSG00000070814	Treacher Collins-Franceschetti syndrome 1 [Source:HGNC Symbol;Acc:11654]	3.06	3.9E-49

DEPTOR	ENSG00000155792	DEP domain containing MTOR-interacting protein [Source:HGNC Symbol;Acc:22953]	3.93	5.7E-49
MCM8	ENSG00000125885	minichromosome maintenance complex component 8 [Source:HGNC Symbol;Acc:16147]	2.73	8.5E-49
CENPK	ENSG00000123219	centromere protein K [Source:HGNC Symbol;Acc:29479]	3.56	1.3E-48
ATM	ENSG00000149311	ataxia telangiectasia mutated [Source:HGNC Symbol;Acc:795]	3.07	1.8E-48
KIF15	ENSG00000163808	kinesin family member 15 [Source:HGNC Symbol;Acc:17273]	4.97	1.8E-48
CDC25A	ENSG00000164045	cell division cycle 25A [Source:HGNC Symbol;Acc:1725]	2.53	2.4E-48
MLEC	ENSG00000110917	malectin [Source:HGNC Symbol;Acc:28973]	1.98	2.5E-48
IQGAP3	ENSG00000183856	IQ motif containing GTPase activating protein 3 [Source:HGNC Symbol;Acc:20669]	3.21	4.3E-48
SKA1	ENSG00000154839	spindle and kinetochore associated complex subunit 1 [Source:HGNC Symbol;Acc:28109]	4.72	5.3E-48
PCNA	ENSG00000132646	proliferating cell nuclear antigen [Source:HGNC Symbol;Acc:8729]	2.69	5.4E-48
KLHL13	ENSG00000003096	kelch-like family member 13 [Source:HGNC Symbol;Acc:22931]	3.33	6.9E-48
PTTG1	ENSG00000164611	pituitary tumor-transforming 1 [Source:HGNC Symbol;Acc:9690]	4.10	7.7E-48
CKAP2	ENSG00000136108	cytoskeleton associated protein 2 [Source:HGNC Symbol;Acc:1990]	3.38	1.2E-47
ART3	ENSG00000156219	ADP-ribosyltransferase 3 [Source:HGNC Symbol;Acc:725]	6.13	1.6E-47
NDC1	ENSG00000058804	NDC1 transmembrane nucleoporin [Source:HGNC Symbol;Acc:25525]	2.87	1.6E-47
TIMELESS	ENSG00000111602	timeless circadian clock [Source:HGNC Symbol;Acc:11813]	2.78	1.8E-47
CDCA7L	ENSG00000164649	cell division cycle associated 7-like [Source:HGNC Symbol;Acc:30777]	3.71	1.9E-47
NCAPD2	ENSG00000010292	non-SMC condensin I complex, subunit D2 [Source:HGNC Symbol;Acc:24305]	1.79	3.5E-47
PRR11	ENSG00000068489	proline rich 11 [Source:HGNC Symbol;Acc:25619]	3.45	6.0E-47
CDT1	ENSG00000167513	chromatin licensing and DNA replication factor 1 [Source:HGNC Symbol;Acc:24576]	4.84	9.8E-47
HPDL	ENSG00000186603	4-hydroxyphenylpyruvate dioxygenase-like [Source:HGNC Symbol;Acc:28242]	4.24	1.1E-46
CDC7	ENSG00000097046	cell division cycle 7 [Source:HGNC Symbol;Acc:1745]	4.02	1.1E-46



RMI2	ENSG00000175643	RecQ mediated genome instability 2 [Source:HGNC Symbol;Acc:28349]	3.37	2.8E-46
--	ENSG00000254027	--	3.76	8.0E-46
RFC4	ENSG00000163918	replication factor C (activator 1) 4, 37kDa [Source:HGNC Symbol;Acc:9972]	2.90	1.2E-45
NARS2	ENSG00000137513	asparaginyl-tRNA synthetase 2, mitochondrial (putative) [Source:HGNC Symbol;Acc:26274]	2.57	1.3E-45
BUB1B	ENSG00000156970	BUB1 mitotic checkpoint serine/threonine kinase B [Source:HGNC Symbol;Acc:1149]	5.04	1.7E-45
MMS22L	ENSG00000146263	MMS22-like, DNA repair protein [Source:HGNC Symbol;Acc:21475]	3.31	1.9E-45
KIAA0101	ENSG00000166803	KIAA0101 [Source:HGNC Symbol;Acc:28961]	4.05	2.5E-45
HMGCS2	ENSG00000134240	3-hydroxy-3-methylglutaryl-CoA synthase 2 (mitochondrial) [Source:HGNC Symbol;Acc:5008]	3.41	3.5E-45
PRPF19	ENSG00000110107	pre-mRNA processing factor 19 [Source:HGNC Symbol;Acc:17896]	2.24	7.9E-45
TACC3	ENSG00000013810	transforming, acidic coiled-coil containing protein 3 [Source:HGNC Symbol;Acc:11524]	3.28	8.7E-45
HSPD1	ENSG00000144381	heat shock 60kDa protein 1 (chaperonin) [Source:HGNC Symbol;Acc:5261]	1.90	9.4E-45
EXOSC2	ENSG00000130713	exosome component 2 [Source:HGNC Symbol;Acc:17097]	2.22	1.8E-44
ASRGL1	ENSG00000162174	asparaginase like 1 [Source:HGNC Symbol;Acc:16448]	2.46	2.4E-44
CMSS1	ENSG00000184220	cms1 ribosomal small subunit homolog (yeast) [Source:HGNC Symbol;Acc:28666]	3.18	2.4E-44
RANBP1	ENSG00000099901	RAN binding protein 1 [Source:HGNC Symbol;Acc:9847]	2.14	3.1E-44
WDHD1	ENSG00000198554	WD repeat and HMG-box DNA binding protein 1 [Source:HGNC Symbol;Acc:23170]	3.53	5.4E-44
XRCC2	ENSG00000196584	X-ray repair complementing defective repair in Chinese hamster cells 2 [Source:HGNC Symbol;Acc:12829]	4.46	8.4E-44
CENPH	ENSG00000153044	centromere protein H [Source:HGNC Symbol;Acc:17268]	4.47	1.3E-43

DNMT1	ENSG00000130816	DNA (cytosine-5-)-methyltransferase 1 [Source:HGNC Symbol;Acc:2976]	2.53	2.0E-43
ESCO2	ENSG00000171320	establishment of sister chromatid cohesion N-acetyltransferase 2 [Source:HGNC Symbol;Acc:27230]	5.71	2.0E-43
NUP210	ENSG00000132182	nucleoporin 210kDa [Source:HGNC Symbol;Acc:30052]	2.37	2.2E-43
GGCT	ENSG00000006625	gamma-glutamylcyclotransferase [Source:HGNC Symbol;Acc:21705]	1.97	2.2E-43
GTSE1	ENSG00000075218	G-2 and S-phase expressed 1 [Source:HGNC Symbol;Acc:13698]	3.50	2.3E-43
MIS18A	ENSG00000159055	MIS18 kinetochore protein A [Source:HGNC Symbol;Acc:1286]	3.04	2.3E-43
IL33	ENSG00000137033	interleukin 33 [Source:HGNC Symbol;Acc:16028]	3.88	3.1E-43
CDC45	ENSG00000093009	cell division cycle 45 [Source:HGNC Symbol;Acc:1739]	5.21	3.5E-43
NCAPG2	ENSG00000146918	non-SMC condensin II complex, subunit G2 [Source:HGNC Symbol;Acc:21904]	2.99	3.6E-43
DSCC1	ENSG00000136982	DNA replication and sister chromatid cohesion 1 [Source:HGNC Symbol;Acc:24453]	5.47	4.9E-43
E2F8	ENSG00000129173	E2F transcription factor 8 [Source:HGNC Symbol;Acc:24727]	3.53	5.5E-43
RNASEH2A	ENSG00000104889	ribonuclease H2, subunit A [Source:HGNC Symbol;Acc:18518]	3.13	1.0E-42
RRS1	ENSG00000179041	RRS1 ribosome biogenesis regulator homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:17083]	2.43	1.3E-42
TRIP13	ENSG00000071539	thyroid hormone receptor interactor 13 [Source:HGNC Symbol;Acc:12307]	2.70	1.3E-42
VRK1	ENSG00000100749	vaccinia related kinase 1 [Source:HGNC Symbol;Acc:12718]	3.22	1.6E-42
TMEM194A	ENSG00000166881	transmembrane protein 194A [Source:HGNC Symbol;Acc:29001]	2.43	2.5E-42
GMNN	ENSG00000112312	geminin, DNA replication inhibitor [Source:HGNC Symbol;Acc:17493]	3.06	2.8E-42
SSRP1	ENSG00000149136	structure specific recognition protein 1 [Source:HGNC Symbol;Acc:11327]	1.90	3.9E-42
LYAR	ENSG00000145220	Ly1 antibody reactive [Source:HGNC Symbol;Acc:26021]	2.51	4.3E-42
ADCK3	ENSG00000163050	aarF domain containing kinase 3 [Source:HGNC Symbol;Acc:16812]	2.44	4.6E-42
MELK	ENSG00000165304	maternal embryonic leucine zipper kinase [Source:HGNC Symbol;Acc:16870]	2.10	8.7E-41

CASC5	ENSG00000137812	cancer susceptibility candidate 5 [Source:HGNC Symbol;Acc:24054]	3.33	8.8E-41
EARS2	ENSG00000103356	glutamyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:29419]	2.14	8.8E-41
CHEK2	ENSG00000183765	checkpoint kinase 2 [Source:HGNC Symbol;Acc:16627]	2.84	9.2E-41
SHCBP1	ENSG00000171241	SHC SH2-domain binding protein 1 [Source:HGNC Symbol;Acc:29547]	3.83	1.0E-40
PIF1	ENSG00000140451	PIF1 5'-to-3' DNA helicase [Source:HGNC Symbol;Acc:26220]	3.79	1.1E-40
ITFG2	ENSG00000111203	integrin alpha FG-GAP repeat containing 2 [Source:HGNC Symbol;Acc:30879]	2.44	1.5E-40
PASK	ENSG00000115687	PAS domain containing serine/threonine kinase [Source:HGNC Symbol;Acc:17270]	2.83	1.9E-40
PSMG1	ENSG00000183527	proteasome (prosome, macropain) assembly chaperone 1 [Source:HGNC Symbol;Acc:3043]	2.30	3.6E-40
CCND2	ENSG00000118971	cyclin D2 [Source:HGNC Symbol;Acc:1583]	3.11	3.6E-40
--	ENSG00000245937	--	2.10	7.2E-40
NT5DC3	ENSG00000111696	5'-nucleotidase domain containing 3 [Source:HGNC Symbol;Acc:30826]	2.24	1.1E-39
ETS2	ENSG00000157557	v-ets avian erythroblastosis virus E26 oncogene homolog 2 [Source:HGNC Symbol;Acc:3489]	1.77	3.2E-39
TMEM261	ENSG00000137038	transmembrane protein 261 [Source:HGNC Symbol;Acc:30536]	2.14	3.4E-39
PALD1	ENSG00000107719	phosphatase domain containing, paladin 1 [Source:HGNC Symbol;Acc:23530]	4.94	4.5E-39
MRPL16	ENSG00000166902	mitochondrial ribosomal protein L16 [Source:HGNC Symbol;Acc:14476]	1.96	8.2E-39
MARS2	ENSG00000247626	methionyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:25133]	3.03	9.9E-39
TICRR	ENSG00000140534	TOPBP1-interacting checkpoint and replication regulator [Source:HGNC Symbol;Acc:28704]	3.57	1.1E-38
CCDC34	ENSG00000109881	coiled-coil domain containing 34 [Source:HGNC Symbol;Acc:25079]	3.25	1.2E-38
DHRS4-AS1	ENSG00000215256	DHRS4 antisense RNA 1 [Source:HGNC Symbol;Acc:23175]	2.09	1.2E-38

NOC3L	ENSG00000173145	nucleolar complex associated 3 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:24034]	2.26	1.3E-38
MTFR2	ENSG00000146410	mitochondrial fission regulator 2 [Source:HGNC Symbol;Acc:21115]	3.00	1.4E-38
EXO1	ENSG00000174371	exonuclease 1 [Source:HGNC Symbol;Acc:3511]	5.62	2.3E-38
--	ENSG00000254290	--	3.01	2.8E-38
ZWILCH	ENSG00000174442	zwilch kinetochore protein [Source:HGNC Symbol;Acc:25468]	2.67	3.0E-38
OIP5	ENSG00000104147	Opa interacting protein 5 [Source:HGNC Symbol;Acc:20300]	3.98	4.2E-38
DNAH11	ENSG00000105877	dynein, axonemal, heavy chain 11 [Source:HGNC Symbol;Acc:2942]	3.87	4.3E-38
PRPS2	ENSG00000101911	phosphoribosyl pyrophosphate synthetase 2 [Source:HGNC Symbol;Acc:9465]	2.41	6.7E-38
NUP35	ENSG00000163002	nucleoporin 35kDa [Source:HGNC Symbol;Acc:29797]	2.43	9.1E-38
ANAPC1	ENSG00000153107	anaphase promoting complex subunit 1 [Source:HGNC Symbol;Acc:19988]	2.02	1.7E-37
DDX12P	ENSG00000214826	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 12, pseudogene [Source:HGNC Symbol;Acc:2737]	3.76	1.8E-37
DANCR	ENSG00000226950	differentiation antagonizing non-protein coding RNA [Source:HGNC Symbol;Acc:28964]	2.52	2.2E-37
SAMD5	ENSG00000203727	sterile alpha motif domain containing 5 [Source:HGNC Symbol;Acc:21180]	2.60	4.5E-37
MCM7	ENSG00000166508	minichromosome maintenance complex component 7 [Source:HGNC Symbol;Acc:6950]	2.50	5.4E-37
FANCD2	ENSG00000144554	Fanconi anemia, complementation group D2 [Source:HGNC Symbol;Acc:3585]	2.02	6.0E-37
ATIC	ENSG00000138363	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase [Source:HGNC Symbol;Acc:794]	1.73	6.9E-37
NOP56	ENSG00000101361	NOP56 ribonucleoprotein [Source:HGNC Symbol;Acc:15911]	1.84	8.7E-37
TFAP4	ENSG00000090447	transcription factor AP-4 (activating enhancer binding protein 4) [Source:HGNC Symbol;Acc:11745]	3.63	1.0E-36

CRTAP	ENSG00000170275	cartilage associated protein [Source:HGNC Symbol;Acc:2379]	1.67	1.2E-36
EBPL	ENSG00000123179	emopamil binding protein-like [Source:HGNC Symbol;Acc:18061]	2.56	1.2E-36
NOLC1	ENSG00000166197	nucleolar and coiled-body phosphoprotein 1 [Source:HGNC Symbol;Acc:15608]	1.94	2.5E-36
CDC25C	ENSG00000158402	cell division cycle 25C [Source:HGNC Symbol;Acc:1727]	4.06	2.9E-36
LRRCC1	ENSG00000133739	leucine rich repeat and coiled-coil centrosomal protein 1 [Source:HGNC Symbol;Acc:29373]	3.05	2.9E-36
GPRIN3	ENSG00000185477	GPRIN family member 3 [Source:HGNC Symbol;Acc:27733]	4.68	3.1E-36
SCML1	ENSG00000047634	sex comb on midleg-like 1 (Drosophila) [Source:HGNC Symbol;Acc:10580]	2.45	6.0E-36
KIF18A	ENSG00000121621	kinesin family member 18A [Source:HGNC Symbol;Acc:29441]	3.29	1.6E-35
CDCA2	ENSG00000184661	cell division cycle associated 2 [Source:HGNC Symbol;Acc:14623]	3.33	1.8E-35
QTRT1	ENSG00000213339	queuine tRNA-ribosyltransferase 1 [Source:HGNC Symbol;Acc:23797]	2.81	1.8E-35
DPH5	ENSG00000117543	diphthamide biosynthesis 5 [Source:HGNC Symbol;Acc:24270]	2.51	2.2E-35
MAGEF1	ENSG00000177383	melanoma antigen family F, 1 [Source:HGNC Symbol;Acc:29639]	1.99	2.8E-35
GIN5	ENSG00000147536	GIN5 complex subunit 4 (Sld5 homolog) [Source:HGNC Symbol;Acc:28226]	3.50	2.8E-35
TBXAS1	ENSG00000059377	thromboxane A synthase 1 (platelet) [Source:HGNC Symbol;Acc:11609]	1.97	3.0E-35
SLC25A26	ENSG00000144741	solute carrier family 25 (S-adenosylmethionine carrier), member 26 [Source:HGNC Symbol;Acc:20661]	2.15	3.2E-35
MCM5	ENSG00000100297	minichromosome maintenance complex component 5 [Source:HGNC Symbol;Acc:6948]	2.49	4.2E-35
PFAS	ENSG00000178921	phosphoribosylformylglycinamide synthase [Source:HGNC Symbol;Acc:8863]	2.98	4.8E-35
HOXB8	ENSG00000120068	homeobox B8 [Source:HGNC Symbol;Acc:5119]	2.57	5.5E-35
ORC6	ENSG00000091651	origin recognition complex, subunit 6 [Source:HGNC Symbol;Acc:17151]	2.68	7.5E-35

SPC25	ENSG00000152253	SPC25, NDC80 kinetochore complex component [Source:HGNC Symbol;Acc:24031]	3.76	1.3E-34
HMBS	ENSG00000256269	hydroxymethylbilane synthase [Source:HGNC Symbol;Acc:4982]	2.41	1.4E-34
SUPT16H	ENSG00000092201	suppressor of Ty 16 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:11465]	1.55	1.8E-34
CBX5	ENSG00000094916	chromobox homolog 5 [Source:HGNC Symbol;Acc:1555]	2.16	2.1E-34
ORC1	ENSG00000085840	origin recognition complex, subunit 1 [Source:HGNC Symbol;Acc:8487]	4.44	2.2E-34
ASB9	ENSG00000102048	ankyrin repeat and SOCS box containing 9 [Source:HGNC Symbol;Acc:17184]	4.14	4.3E-34
CD200	ENSG00000091972	CD200 molecule [Source:HGNC Symbol;Acc:7203]	2.37	6.5E-34
PTPRO	ENSG00000151490	protein tyrosine phosphatase, receptor type, O [Source:HGNC Symbol;Acc:9678]	6.39	8.5E-34
HADH	ENSG00000138796	hydroxyacyl-CoA dehydrogenase [Source:HGNC Symbol;Acc:4799]	1.72	9.8E-34
KAT2A	ENSG00000108773	K(lysine) acetyltransferase 2A [Source:HGNC Symbol;Acc:4201]	2.35	1.1E-33
AP3M2	ENSG00000070718	adaptor-related protein complex 3, mu 2 subunit [Source:HGNC Symbol;Acc:570]	2.02	2.0E-33
PRIM1	ENSG00000198056	primase, DNA, polypeptide 1 (49kDa) [Source:HGNC Symbol;Acc:9369]	4.58	2.2E-33
CENPJ	ENSG00000151849	centromere protein J [Source:HGNC Symbol;Acc:17272]	3.01	2.2E-33
KIAA1524	ENSG00000163507	KIAA1524 [Source:HGNC Symbol;Acc:29302]	3.44	2.2E-33
DBF4	ENSG00000006634	DBF4 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:17364]	2.51	2.8E-33
CTF18	ENSG00000127586	CTF18, chromosome transmission fidelity factor 18 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:18435]	3.29	5.5E-33
DACH1	ENSG00000165659	dachshund homolog 1 ( <i>Drosophila</i> ) [Source:HGNC Symbol;Acc:2663]	4.01	6.6E-33
ZNRF3	ENSG00000183579	zinc and ring finger 3 [Source:HGNC Symbol;Acc:18126]	2.66	9.1E-33
FARSB	ENSG00000116120	phenylalanyl-tRNA synthetase, beta subunit [Source:HGNC Symbol;Acc:17800]	1.94	9.8E-33
METTL1	ENSG00000037897	methyltransferase like 1 [Source:HGNC Symbol;Acc:7030]	2.53	9.9E-33

ODF2	ENSG00000136811	outer dense fiber of sperm tails 2 [Source:HGNC Symbol;Acc:8114]	1.49	1.1E-32
PLK4	ENSG00000142731	polo-like kinase 4 [Source:HGNC Symbol;Acc:11397]	3.14	1.4E-32
MDN1	ENSG00000112159	MDN1, midasin homolog (yeast) [Source:HGNC Symbol;Acc:18302]	1.90	1.4E-32
POLR1B	ENSG00000125630	polymerase (RNA) I polypeptide B, 128kDa [Source:HGNC Symbol;Acc:20454]	2.09	1.8E-32
FBXO5	ENSG00000112029	F-box protein 5 [Source:HGNC Symbol;Acc:13584]	4.08	2.5E-32
LYRM4	ENSG00000214113	LYR motif containing 4 [Source:HGNC Symbol;Acc:21365]	2.45	2.6E-32
NRARP	ENSG00000198435	NOTCH-regulated ankyrin repeat protein [Source:HGNC Symbol;Acc:33843]	2.01	3.6E-32
USP13	ENSG00000058056	ubiquitin specific peptidase 13 (isopeptidase T-3) [Source:HGNC Symbol;Acc:12611]	4.33	3.8E-32
POLA1	ENSG00000101868	polymerase (DNA directed), alpha 1, catalytic subunit [Source:HGNC Symbol;Acc:9173]	2.53	5.0E-32
FXN	ENSG00000165060	frataxin [Source:HGNC Symbol;Acc:3951]	2.69	5.4E-32
RCCD1	ENSG00000166965	RCC1 domain containing 1 [Source:HGNC Symbol;Acc:30457]	2.29	6.2E-32
CCNB1IP1	ENSG00000100814	cyclin B1 interacting protein 1, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:19437]	2.00	6.4E-32
FAM81A	ENSG00000157470	family with sequence similarity 81, member A [Source:HGNC Symbol;Acc:28379]	2.25	6.4E-32
ANGEL1	ENSG00000013523	angel homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:19961]	2.06	6.6E-32
SAP30	ENSG00000164105	Sin3A-associated protein, 30kDa [Source:HGNC Symbol;Acc:10532]	2.64	6.8E-32
ECE2	ENSG00000145194	endothelin converting enzyme 2 [Source:HGNC Symbol;Acc:13275]	2.79	6.9E-32
CCNF	ENSG00000162063	cyclin F [Source:HGNC Symbol;Acc:1591]	2.02	1.1E-31
CHAF1B	ENSG00000159259	chromatin assembly factor 1, subunit B (p60) [Source:HGNC Symbol;Acc:1911]	3.00	1.1E-31
--	ENSG00000269175	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QYT2]	2.38	1.5E-31
DTYMK	ENSG00000168393	deoxythymidylate kinase (thymidylate kinase) [Source:HGNC Symbol;Acc:3061]	2.52	1.7E-31
NUP43	ENSG00000120253	nucleoporin 43kDa [Source:HGNC Symbol;Acc:21182]	2.00	1.9E-31

BLM	ENSG00000197299	Bloom syndrome, RecQ helicase-like [Source:HGNC Symbol;Acc:1058] Fanconi anemia, complementation group G [Source:HGNC	4.46	2.5E-31
FANCG	ENSG00000221829	Symbol;Acc:3588]	2.44	2.6E-31
AXIN2	ENSG00000168646	axin 2 [Source:HGNC Symbol;Acc:904]	2.91	3.0E-31
HMGB3	ENSG00000029993	high mobility group box 3 [Source:HGNC Symbol;Acc:5004]	1.89	3.2E-31
RNASEH2B	ENSG00000136104	ribonuclease H2, subunit B [Source:HGNC Symbol;Acc:25671]	2.69	3.3E-31
PLK1	ENSG00000166851	polo-like kinase 1 [Source:HGNC Symbol;Acc:9077] protein phosphatase, Mg <sup>2+</sup> /Mn <sup>2+</sup> dependent, 1H [Source:HGNC	2.23	3.7E-31
PPM1H	ENSG00000111110	Symbol;Acc:18583]	2.56	4.4E-31
NHP2	ENSG00000145912	NHP2 ribonucleoprotein [Source:HGNC Symbol;Acc:14377] serine hydroxymethyltransferase 1 (soluble) [Source:HGNC	2.18	4.4E-31
SHMT1	ENSG00000176974	Symbol;Acc:10850]	1.74	5.3E-31
POLR3K	ENSG00000161980	polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa [Source:HGNC Symbol;Acc:14121]	2.42	1.0E-30
NPM1	ENSG00000181163	nucleophosmin (nucleolar phosphoprotein B23, numatrin) [Source:HGNC Symbol;Acc:7910]	1.76	1.0E-30
SMC2	ENSG00000136824	structural maintenance of chromosomes 2 [Source:HGNC Symbol;Acc:14011]	2.84	1.1E-30
CEP78	ENSG00000148019	centrosomal protein 78kDa [Source:HGNC Symbol;Acc:25740]	2.83	1.4E-30
ITGA9	ENSG00000144668	integrin, alpha 9 [Source:HGNC Symbol;Acc:6145] small nuclear ribonucleoprotein polypeptide F [Source:HGNC	2.89	1.6E-30
SNRPF	ENSG00000139343	Symbol;Acc:11162]	1.80	1.7E-30
KHK	ENSG00000138030	ketoheokinase (fructokinase) [Source:HGNC Symbol;Acc:6315] mitochondrial ribosomal protein S26 [Source:HGNC	2.67	1.7E-30
MRPS26	ENSG00000125901	Symbol;Acc:14045]	1.95	1.9E-30
GEMIN6	ENSG00000152147	gem (nuclear organelle) associated protein 6 [Source:HGNC Symbol;Acc:20044]	2.17	2.6E-30
SF3A3	ENSG00000183431	splicing factor 3a, subunit 3, 60kDa [Source:HGNC Symbol;Acc:10767]	1.69	3.1E-30



CENPE	ENSG00000138778	centromere protein E, 312kDa [Source:HGNC Symbol;Acc:1856]	3.45	3.4E-30
WDR62	ENSG00000075702	WD repeat domain 62 [Source:HGNC Symbol;Acc:24502]	3.92	3.7E-30
TNFAIP8L1	ENSG00000185361	tumor necrosis factor, alpha-induced protein 8-like 1 [Source:HGNC Symbol;Acc:28279]	2.32	4.1E-30
RRM1	ENSG00000167325	ribonucleotide reductase M1 [Source:HGNC Symbol;Acc:10451]	2.19	5.9E-30
ALG8	ENSG00000159063	ALG8, alpha-1,3-glucosyltransferase [Source:HGNC Symbol;Acc:23161]	1.52	6.1E-30
MYB	ENSG00000118513	v-myb avian myeloblastosis viral oncogene homolog [Source:HGNC Symbol;Acc:7545]	3.10	6.4E-30
HAUS1	ENSG00000152240	HAUS augmin-like complex, subunit 1 [Source:HGNC Symbol;Acc:25174]	2.92	8.9E-30
--	ENSG00000272909	--	2.90	1.1E-29
NCL	ENSG00000115053	nucleolin [Source:HGNC Symbol;Acc:7667]	1.78	1.4E-29
BRIP1	ENSG00000136492	BRCA1 interacting protein C-terminal helicase 1 [Source:HGNC Symbol;Acc:20473]	3.81	1.6E-29
ADAT2	ENSG00000189007	adenosine deaminase, tRNA-specific 2 [Source:HGNC Symbol;Acc:21172]	2.42	1.7E-29
TSEN15	ENSG00000198860	TSEN15 tRNA splicing endonuclease subunit [Source:HGNC Symbol;Acc:16791]	2.00	2.3E-29
TRIM59	ENSG00000213186	tripartite motif containing 59 [Source:HGNC Symbol;Acc:30834]	2.23	2.5E-29
--	ENSG00000270172	--	2.77	2.7E-29
DEPDC1B	ENSG00000035499	DEP domain containing 1B [Source:HGNC Symbol;Acc:24902]	2.87	2.7E-29
MEST	ENSG00000106484	mesoderm specific transcript [Source:HGNC Symbol;Acc:7028]	2.14	3.0E-29
PMCH	ENSG00000183395	pro-melanin-concentrating hormone [Source:HGNC Symbol;Acc:9109]	3.67	3.2E-29
IVD	ENSG00000128928	isovaleryl-CoA dehydrogenase [Source:HGNC Symbol;Acc:6186]	1.58	3.5E-29
MRPL3	ENSG00000114686	mitochondrial ribosomal protein L3 [Source:HGNC Symbol;Acc:10379]	1.68	3.9E-29
TMEM97	ENSG00000109084	transmembrane protein 97 [Source:HGNC Symbol;Acc:28106]	1.51	6.2E-29

SLC39A8	ENSG00000138821	solute carrier family 39 (zinc transporter), member 8 [Source:HGNC Symbol;Acc:20862]	3.00	6.2E-29
UCK2	ENSG00000143179	uridine-cytidine kinase 2 [Source:HGNC Symbol;Acc:12562]	1.49	6.6E-29
WDR12	ENSG00000138442	WD repeat domain 12 [Source:HGNC Symbol;Acc:14098]	2.18	6.8E-29
THOC3	ENSG00000051596	THO complex 3 [Source:HGNC Symbol;Acc:19072]	2.09	7.1E-29
MTL5	ENSG00000132749	metallothionein-like 5, testis-specific (tesmin) [Source:HGNC Symbol;Acc:7446]	2.47	8.6E-29
POP5	ENSG00000167272	processing of precursor 5, ribonuclease P/MRP subunit ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:17689]	1.87	1.1E-28
KANK1	ENSG00000107104	KN motif and ankyrin repeat domains 1 [Source:HGNC Symbol;Acc:19309]	1.54	1.6E-28
PFKM	ENSG00000152556	phosphofructokinase, muscle [Source:HGNC Symbol;Acc:8877]	1.99	1.6E-28
THYN1	ENSG00000151500	thymocyte nuclear protein 1 [Source:HGNC Symbol;Acc:29560]	1.99	1.9E-28
PUS7	ENSG00000091127	pseudouridylate synthase 7 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:26033]	2.40	2.0E-28
PPAT	ENSG00000128059	phosphoribosyl pyrophosphate amidotransferase [Source:HGNC Symbol;Acc:9238]	2.78	2.8E-28
--	ENSG00000111788	--	3.19	2.9E-28
MND1	ENSG00000121211	meiotic nuclear divisions 1 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:24839]	3.95	2.9E-28
DHFR	ENSG00000228716	dihydrofolate reductase [Source:HGNC Symbol;Acc:2861]	2.19	3.1E-28
NPY6R	ENSG00000226306	neuropeptide Y receptor Y6 (pseudogene) [Source:HGNC Symbol;Acc:7959]	5.59	3.2E-28
--	ENSG00000229257	--	3.14	3.3E-28
CDC6	ENSG00000094804	cell division cycle 6 [Source:HGNC Symbol;Acc:1744]	2.02	3.7E-28
TCF7	ENSG00000081059	transcription factor 7 (T-cell specific, HMG-box) [Source:HGNC Symbol;Acc:11639]	1.67	5.0E-28
ACSS1	ENSG00000154930	acyl-CoA synthetase short-chain family member 1 [Source:HGNC Symbol;Acc:16091]	2.29	5.3E-28

SNRPD1	ENSG00000167088	small nuclear ribonucleoprotein D1 polypeptide 16kDa [Source:HGNC Symbol;Acc:11158]	1.65	5.8E-28
SNHG16	ENSG00000163597	small nucleolar RNA host gene 16 (non-protein coding) [Source:HGNC Symbol;Acc:44352]	1.54	6.1E-28
DHX33	ENSG00000005100	DEAH (Asp-Glu-Ala-His) box polypeptide 33 [Source:HGNC Symbol;Acc:16718]	1.84	6.9E-28
CAD	ENSG00000084774	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase [Source:HGNC Symbol;Acc:1424]	1.99	7.4E-28
AADAT	ENSG00000109576	aminoadipate aminotransferase [Source:HGNC Symbol;Acc:17929]	3.02	8.3E-28
--	ENSG00000255126	--	2.52	9.5E-28
LSM2	ENSG00000204392	LSM2 homolog, U6 small nuclear RNA associated ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:13940]	1.62	9.6E-28
RAD18	ENSG00000070950	RAD18 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:18278]	1.87	1.0E-27
MRPS9	ENSG00000135972	mitochondrial ribosomal protein S9 [Source:HGNC Symbol;Acc:14501]	1.54	1.1E-27
VASH1	ENSG00000071246	vasohibin 1 [Source:HGNC Symbol;Acc:19964]	3.00	1.2E-27
COA1	ENSG00000106603	cytochrome c oxidase assembly factor 1 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:21868]	1.72	1.3E-27
SGOL1	ENSG00000129810	shugoshin-like 1 ( <i>S. pombe</i> ) [Source:HGNC Symbol;Acc:25088]	3.28	1.3E-27
MRPS27	ENSG00000113048	mitochondrial ribosomal protein S27 [Source:HGNC Symbol;Acc:14512]	1.94	1.5E-27
TRAP1	ENSG00000126602	TNF receptor-associated protein 1 [Source:HGNC Symbol;Acc:16264]	1.95	1.8E-27
BRIX1	ENSG00000113460	BRX1, biogenesis of ribosomes, homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:24170]	1.95	2.0E-27
KIF20B	ENSG00000138182	kinesin family member 20B [Source:HGNC Symbol;Acc:7212]	2.84	2.2E-27
DCAF13	ENSG00000164934	DDB1 and CUL4 associated factor 13 [Source:HGNC Symbol;Acc:24535]	1.76	2.5E-27
IPO5	ENSG00000065150	importin 5 [Source:HGNC Symbol;Acc:6402]	1.72	2.6E-27
BUB3	ENSG00000154473	BUB3 mitotic checkpoint protein [Source:HGNC Symbol;Acc:1151]	1.38	3.7E-27

IMPDH2	ENSG00000178035	IMP (inosine 5'-monophosphate) dehydrogenase 2 [Source:HGNC Symbol;Acc:6053]	1.66	3.7E-27
CBX2	ENSG00000173894	chromobox homolog 2 [Source:HGNC Symbol;Acc:1552]	3.93	3.8E-27
SMC4	ENSG00000113810	structural maintenance of chromosomes 4 [Source:HGNC Symbol;Acc:14013]	2.12	3.8E-27
TTC27	ENSG00000018699	tetratricopeptide repeat domain 27 [Source:HGNC Symbol;Acc:25986]	2.33	4.4E-27
PLCB4	ENSG00000101333	phospholipase C, beta 4 [Source:HGNC Symbol;Acc:9059]	2.09	4.8E-27
CGREF1	ENSG00000138028	cell growth regulator with EF-hand domain 1 [Source:HGNC Symbol;Acc:16962]	2.23	5.0E-27
SNRPE	ENSG00000182004	small nuclear ribonucleoprotein polypeptide E [Source:HGNC Symbol;Acc:11161]	1.74	5.3E-27
SNHG6	ENSG00000245910	small nucleolar RNA host gene 6 (non-protein coding) [Source:HGNC Symbol;Acc:32965]	1.59	5.5E-27
RAD51	ENSG00000051180	RAD51 recombinase [Source:HGNC Symbol;Acc:9817]	2.27	5.8E-27
CDCA8	ENSG00000134690	cell division cycle associated 8 [Source:HGNC Symbol;Acc:14629]	1.61	6.1E-27
SFXN2	ENSG00000156398	sideroflexin 2 [Source:HGNC Symbol;Acc:16086]	3.03	6.2E-27
BEND3	ENSG00000178409	BEN domain containing 3 [Source:HGNC Symbol;Acc:23040]	2.27	6.3E-27
DCTPP1	ENSG00000179958	dCTP pyrophosphatase 1 [Source:HGNC Symbol;Acc:28777]	1.73	8.7E-27
SNHG5	ENSG00000203875	small nucleolar RNA host gene 5 (non-protein coding) [Source:HGNC Symbol;Acc:21026]	1.72	8.7E-27
RPL5	ENSG00000122406	ribosomal protein L5 [Source:HGNC Symbol;Acc:10360]	1.53	1.0E-26
C16orf59	ENSG00000162062	chromosome 16 open reading frame 59 [Source:HGNC Symbol;Acc:25849]	3.74	1.0E-26
NMNAT3	ENSG00000163864	nicotinamide nucleotide adenylyltransferase 3 [Source:HGNC Symbol;Acc:20989]	3.10	1.1E-26
DIAPH3	ENSG00000139734	diaphanous-related formin 3 [Source:HGNC Symbol;Acc:15480]	2.81	1.4E-26
--	ENSG00000242193	--	2.04	1.5E-26
--	ENSG00000178430	--	2.43	1.5E-26

CELSR2	ENSG00000143126	cadherin, EGF LAG seven-pass G-type receptor 2 [Source:HGNC Symbol;Acc:3231]	2.80	1.7E-26
CENPN	ENSG00000166451	centromere protein N [Source:HGNC Symbol;Acc:30873]	2.20	1.7E-26
NDUFAF4	ENSG00000123545	NADH dehydrogenase (ubiquinone) complex I, assembly factor 4 [Source:HGNC Symbol;Acc:21034]	2.35	1.8E-26
MCCC1	ENSG00000078070	methylcrotonoyl-CoA carboxylase 1 (alpha) [Source:HGNC Symbol;Acc:6936]	1.97	1.9E-26
WDR77	ENSG00000116455	WD repeat domain 77 [Source:HGNC Symbol;Acc:29652]	1.72	2.0E-26
GNL3	ENSG00000163938	guanine nucleotide binding protein-like 3 (nucleolar) [Source:HGNC Symbol;Acc:29931]	1.53	2.1E-26
IL17D	ENSG00000172458	interleukin 17D [Source:HGNC Symbol;Acc:5984]	2.57	2.9E-26
CENPI	ENSG00000102384	centromere protein I [Source:HGNC Symbol;Acc:3968]	2.73	3.0E-26
--	ENSG00000258301	--	2.81	3.1E-26
NME1	ENSG00000239672	NME/NM23 nucleoside diphosphate kinase 1 [Source:HGNC Symbol;Acc:7849]	2.44	3.2E-26
RPS23	ENSG00000186468	ribosomal protein S23 [Source:HGNC Symbol;Acc:10410]	1.49	3.7E-26
ASIC1	ENSG00000110881	acid-sensing (proton-gated) ion channel 1 [Source:HGNC Symbol;Acc:100]	3.45	3.8E-26
POLE2	ENSG00000100479	polymerase (DNA directed), epsilon 2, accessory subunit [Source:HGNC Symbol;Acc:9178]	2.71	4.0E-26
EZH2	ENSG00000106462	enhancer of zeste homolog 2 (Drosophila) [Source:HGNC Symbol;Acc:3527]	1.63	4.9E-26
PDE7A	ENSG00000205268	phosphodiesterase 7A [Source:HGNC Symbol;Acc:8791]	1.76	6.7E-26
R3HDM1	ENSG00000048991	R3H domain containing 1 [Source:HGNC Symbol;Acc:9757]	2.44	7.9E-26
SOX8	ENSG00000005513	SRY (sex determining region Y)-box 8 [Source:HGNC Symbol;Acc:11203]	4.69	7.9E-26
LMNB2	ENSG00000176619	lamin B2 [Source:HGNC Symbol;Acc:6638]	1.89	8.0E-26
TXLNG	ENSG00000086712	taxilin gamma [Source:HGNC Symbol;Acc:18578]	1.93	8.7E-26

MARC1	ENSG00000186205	mitochondrial amidoxime reducing component 1 [Source:HGNC Symbol;Acc:26189]	2.35	9.3E-26
OXCT1	ENSG00000083720	3-oxoacid CoA transferase 1 [Source:HGNC Symbol;Acc:8527]	2.43	1.0E-25
--	ENSG00000268313	--	2.24	1.1E-25
UTP14A	ENSG00000156697	UTP14, U3 small nucleolar ribonucleoprotein, homolog A (yeast) [Source:HGNC Symbol;Acc:10665]	1.76	1.2E-25
CLNS1A	ENSG00000074201	chloride channel, nucleotide-sensitive, 1A [Source:HGNC Symbol;Acc:2080]	1.38	1.2E-25
H2AFZ	ENSG00000164032	H2A histone family, member Z [Source:HGNC Symbol;Acc:4741]	1.41	1.2E-25
RPS3A	ENSG00000145425	ribosomal protein S3A [Source:HGNC Symbol;Acc:10421]	1.55	1.3E-25
HNRNPA1	ENSG00000135486	heterogeneous nuclear ribonucleoprotein A1 [Source:HGNC Symbol;Acc:5031]	1.25	1.5E-25
RPS4X	ENSG00000198034	ribosomal protein S4, X-linked [Source:HGNC Symbol;Acc:10424]	1.26	1.9E-25
POLR1A	ENSG00000068654	polymerase (RNA) I polypeptide A, 194kDa [Source:HGNC Symbol;Acc:17264]	1.72	2.3E-25
RTKN2	ENSG00000182010	rhotekin 2 [Source:HGNC Symbol;Acc:19364]	2.38	2.5E-25
BRCA2	ENSG00000139618	breast cancer 2, early onset [Source:HGNC Symbol;Acc:1101]	3.85	2.7E-25
TSEN2	ENSG00000154743	TSEN2 tRNA splicing endonuclease subunit [Source:HGNC Symbol;Acc:28422]	2.14	3.5E-25
LEFTY1	ENSG00000243709	left-right determination factor 1 [Source:HGNC Symbol;Acc:6552]	2.72	4.0E-25
RPL10A	ENSG00000198755	ribosomal protein L10a [Source:HGNC Symbol;Acc:10299]	1.23	4.5E-25
GSTO2	ENSG00000065621	glutathione S-transferase omega 2 [Source:HGNC Symbol;Acc:23064]	1.97	4.6E-25
ILF3	ENSG00000129351	interleukin enhancer binding factor 3, 90kDa [Source:HGNC Symbol;Acc:6038]	1.28	5.6E-25
POLE3	ENSG00000148229	polymerase (DNA directed), epsilon 3, accessory subunit [Source:HGNC Symbol;Acc:13546]	1.54	7.0E-25
ZNF511	ENSG00000198546	zinc finger protein 511 [Source:HGNC Symbol;Acc:28445]	1.92	7.3E-25
FAM98B	ENSG00000171262	family with sequence similarity 98, member B [Source:HGNC Symbol;Acc:26773]	1.94	7.9E-25

FAH	ENSG00000103876	fumarylacetoacetate hydrolase (fumarylacetoacetase) [Source:HGNC Symbol;Acc:3579]	1.91	8.0E-25
ADCY3	ENSG00000138031	adenylate cyclase 3 [Source:HGNC Symbol;Acc:234]	2.04	8.3E-25
PAK1IP1	ENSG00000111845	PAK1 interacting protein 1 [Source:HGNC Symbol;Acc:20882]	1.76	8.3E-25
CKAP2L	ENSG00000169607	cytoskeleton associated protein 2-like [Source:HGNC Symbol;Acc:26877]	2.45	9.1E-25
SLC43A3	ENSG00000134802	solute carrier family 43, member 3 [Source:HGNC Symbol;Acc:17466]	4.05	9.6E-25
ATG10	ENSG00000152348	autophagy related 10 [Source:HGNC Symbol;Acc:20315]	1.44	1.1E-24
MDC1	ENSG00000137337	mediator of DNA-damage checkpoint 1 [Source:HGNC Symbol;Acc:21163]	2.35	1.5E-24
TIMM8A	ENSG00000126953	translocase of inner mitochondrial membrane 8 homolog A (yeast) [Source:HGNC Symbol;Acc:11817]	2.11	2.2E-24
RPS2P46	ENSG00000189343	ribosomal protein S2 pseudogene 46 [Source:HGNC Symbol;Acc:35839]	1.75	2.6E-24
CCDC86	ENSG00000110104	coiled-coil domain containing 86 [Source:HGNC Symbol;Acc:28359]	1.95	3.5E-24
ODC1	ENSG00000115758	ornithine decarboxylase 1 [Source:HGNC Symbol;Acc:8109]	1.47	4.6E-24
PRTFDC1	ENSG00000099256	phosphoribosyl transferase domain containing 1 [Source:HGNC Symbol;Acc:23333]	2.04	4.9E-24
EXOSC9	ENSG00000123737	exosome component 9 [Source:HGNC Symbol;Acc:9137]	2.11	5.1E-24
TBC1D4	ENSG00000136111	TBC1 domain family, member 4 [Source:HGNC Symbol;Acc:19165]	2.16	5.3E-24
EIF2D	ENSG00000143486	eukaryotic translation initiation factor 2D [Source:HGNC Symbol;Acc:6583]	1.52	6.4E-24
PELP1	ENSG00000141456	proline, glutamate and leucine rich protein 1 [Source:HGNC Symbol;Acc:30134]	2.14	6.8E-24
TOP1MT	ENSG00000184428	topoisomerase (DNA) I, mitochondrial [Source:HGNC Symbol;Acc:29787]	2.33	6.9E-24
CCDC41	ENSG00000173588	coiled-coil domain containing 41 [Source:HGNC Symbol;Acc:17966]	2.16	7.7E-24
BCS1L	ENSG00000074582	BC1 (ubiquinol-cytochrome c reductase) synthesis-like [Source:HGNC Symbol;Acc:1020]	1.90	8.4E-24

PSPH	ENSG00000146733	phosphoserine phosphatase [Source:HGNC Symbol;Acc:9577] RNA pseudouridylate synthase domain containing 4 [Source:HGNC Symbol;Acc:25898]	2.11	1.0E-23
RPUSD4	ENSG00000165526	chromosome 21 open reading frame 58 [Source:HGNC Symbol;Acc:1300]	1.36	1.1E-23
C21orf58	ENSG00000160298	chromosome 20 open reading frame 27 [Source:HGNC Symbol;Acc:15873]	3.77	1.2E-23
C20orf27	ENSG00000101220	poly (ADP-ribose) polymerase 2 [Source:HGNC Symbol;Acc:272]	2.56	1.2E-23
PARP2	ENSG00000129484	transmembrane protein 109 [Source:HGNC Symbol;Acc:28771]	1.63	1.2E-23
TMEM109	ENSG00000110108	DEAD (Asp-Glu-Ala-Asp) box polypeptide 55 [Source:HGNC Symbol;Acc:20085]	2.01	1.2E-23
DDX55	ENSG00000111364	zinc finger protein 239 [Source:HGNC Symbol;Acc:13031]	1.51	1.3E-23
ZNF239	ENSG00000196793	ribosomal protein SA [Source:HGNC Symbol;Acc:6502]	3.16	1.3E-23
RPSA	ENSG00000168028	ring finger protein 157 [Source:HGNC Symbol;Acc:29402]	1.56	1.4E-23
RNF157	ENSG00000141576	nucleoporin 37kDa [Source:HGNC Symbol;Acc:29929]	1.58	1.8E-23
NUP37	ENSG00000075188	cytochrome P450, family 2, subfamily W, polypeptide 1 [Source:HGNC Symbol;Acc:20243]	1.50	2.0E-23
CYP2W1	ENSG00000073067	eukaryotic translation elongation factor 1 beta 2 [Source:HGNC Symbol;Acc:3208]	2.90	2.5E-23
EEF1B2	ENSG00000114942	TP53 regulated inhibitor of apoptosis 1 [Source:HGNC Symbol;Acc:26937]	1.39	2.8E-23
TRIAP1	ENSG00000170855	apoptosis-inducing factor, mitochondrion-associated, 1 [Source:HGNC Symbol;Acc:8768]	1.83	3.3E-23
AIFM1	ENSG00000156709	Rho GTPase activating protein 11B [Source:HGNC Symbol;Acc:15782]	1.34	3.9E-23
ARHGAP11B	ENSG00000187951	prohibitin 2 [Source:HGNC Symbol;Acc:30306]	3.20	4.2E-23
PHB2	ENSG00000215021	nuclear casein kinase and cyclin-dependent kinase substrate 1 [Source:HGNC Symbol;Acc:29923]	1.38	4.3E-23
NUCKS1	ENSG00000069275	leucine rich repeat protein 1 [Source:HGNC Symbol;Acc:19742]	1.92	4.5E-23
LRR1	ENSG00000165501	--	1.53	5.4E-23
--	ENSG00000253414	--	4.13	5.5E-23



TCEA3	ENSG00000204219	transcription elongation factor A (SII), 3 [Source:HGNC Symbol;Acc:11615]	1.75	6.0E-23
IL17RB	ENSG00000056736	interleukin 17 receptor B [Source:HGNC Symbol;Acc:18015]	1.73	6.1E-23
UAP1L1	ENSG00000197355	UDP-N-acteylglucosamine pyrophosphorylase 1-like 1 [Source:HGNC Symbol;Acc:28082]	1.64	6.2E-23
GEMIN5	ENSG00000082516	gem (nuclear organelle) associated protein 5 [Source:HGNC Symbol;Acc:20043]	2.40	6.7E-23
SLC25A27	ENSG00000153291	solute carrier family 25, member 27 [Source:HGNC Symbol;Acc:21065]	3.98	8.1E-23
MRPL17	ENSG00000158042	mitochondrial ribosomal protein L17 [Source:HGNC Symbol;Acc:14053]	1.51	8.5E-23
FRAT2	ENSG00000181274	frequently rearranged in advanced T-cell lymphomas 2 [Source:HGNC Symbol;Acc:16048]	2.12	8.9E-23
SLC12A8	ENSG00000221955	solute carrier family 12, member 8 [Source:HGNC Symbol;Acc:15595]	1.67	9.6E-23
SOX12	ENSG00000177732	SRY (sex determining region Y)-box 12 [Source:HGNC Symbol;Acc:11198]	2.32	9.9E-23
LSM5	ENSG00000106355	LSM5 homolog, U6 small nuclear RNA associated ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:17162]	1.93	1.0E-22
NRM	ENSG00000137404	nurim (nuclear envelope membrane protein) [Source:HGNC Symbol;Acc:8003]	2.03	1.1E-22
H2AFV	ENSG00000105968	H2A histone family, member V [Source:HGNC Symbol;Acc:20664]	1.50	1.1E-22
APLN	ENSG00000171388	apelin [Source:HGNC Symbol;Acc:16665]	3.93	1.1E-22
RCL1	ENSG00000120158	RNA terminal phosphate cyclase-like 1 [Source:HGNC Symbol;Acc:17687]	1.96	1.1E-22
ACN9	ENSG00000196636	ACN9 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:21752]	2.93	1.2E-22
DDC	ENSG00000132437	dopa decarboxylase (aromatic L-amino acid decarboxylase) [Source:HGNC Symbol;Acc:2719]	1.67	1.3E-22
AIMP2	ENSG00000106305	aminoacyl tRNA synthetase complex-interacting multifunctional protein 2 [Source:HGNC Symbol;Acc:20609]	1.34	1.3E-22

PRPS1	ENSG00000147224	phosphoribosyl pyrophosphate synthetase 1 [Source:HGNC Symbol;Acc:9462]	2.53	1.7E-22
INCENP	ENSG00000149503	inner centromere protein antigens 135/155kDa [Source:HGNC Symbol;Acc:6058]	1.96	1.8E-22
TRAF5	ENSG00000082512	TNF receptor-associated factor 5 [Source:HGNC Symbol;Acc:12035]	1.68	1.9E-22
GAR1	ENSG00000109534	GAR1 ribonucleoprotein [Source:HGNC Symbol;Acc:14264]	1.70	2.0E-22
CERS6-AS1	ENSG00000227617	CERS6 antisense RNA 1 [Source:HGNC Symbol;Acc:44485]	1.72	2.3E-22
PTCD3	ENSG00000132300	pentatricopeptide repeat domain 3 [Source:HGNC Symbol;Acc:24717]	1.41	2.4E-22
MPHOSPH9	ENSG00000051825	M-phase phosphoprotein 9 [Source:HGNC Symbol;Acc:7215]	2.80	2.5E-22
C12orf45	ENSG00000151131	chromosome 12 open reading frame 45 [Source:HGNC Symbol;Acc:28628]	1.94	2.7E-22
NUDT1	ENSG00000106268	nudix (nucleoside diphosphate linked moiety X)-type motif 1 [Source:HGNC Symbol;Acc:8048]	2.35	2.8E-22
PPIH	ENSG00000171960	peptidylprolyl isomerase H (cyclophilin H) [Source:HGNC Symbol;Acc:14651]	2.01	2.8E-22
C11orf1	ENSG00000137720	chromosome 11 open reading frame 1 [Source:HGNC Symbol;Acc:1163]	1.72	3.8E-22
FANCI	ENSG00000140525	Fanconi anemia, complementation group I [Source:HGNC Symbol;Acc:25568]	1.36	3.9E-22
RPL23A	ENSG00000198242	ribosomal protein L23a [Source:HGNC Symbol;Acc:10317]	1.27	4.3E-22
NABP2	ENSG00000139579	nucleic acid binding protein 2 [Source:HGNC Symbol;Acc:28412]	1.79	5.0E-22
LTV1	ENSG00000135521	LTV1 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:21173]	1.89	5.4E-22
CKS1B	ENSG00000173207	CDC28 protein kinase regulatory subunit 1B [Source:HGNC Symbol;Acc:19083]	1.57	5.7E-22
PIGM	ENSG00000143315	phosphatidylinositol glycan anchor biosynthesis, class M [Source:HGNC Symbol;Acc:18858]	2.11	6.0E-22
OSGEPL1	ENSG00000128694	O-sialoglycoprotein endopeptidase-like 1 [Source:HGNC Symbol;Acc:23075]	3.08	6.0E-22

ITGB3BP	ENSG00000142856	integrin beta 3 binding protein (beta3-endonexin) [Source:HGNC Symbol;Acc:6157]	2.62	6.1E-22
WDR76	ENSG00000092470	WD repeat domain 76 [Source:HGNC Symbol;Acc:25773]	2.26	6.9E-22
CTSC	ENSG00000109861	cathepsin C [Source:HGNC Symbol;Acc:2528]	1.59	7.9E-22
TSR1	ENSG00000167721	TSR1, 20S rRNA accumulation, homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:25542]	1.32	8.0E-22
PRMT6	ENSG00000198890	protein arginine methyltransferase 6 [Source:HGNC Symbol;Acc:18241]	2.60	8.9E-22
MRPS33	ENSG00000090263	mitochondrial ribosomal protein S33 [Source:HGNC Symbol;Acc:16634]	1.52	9.2E-22
HLTF	ENSG00000071794	helicase-like transcription factor [Source:HGNC Symbol;Acc:11099]	2.71	1.0E-21
POC1A	ENSG00000164087	POC1 centriolar protein A [Source:HGNC Symbol;Acc:24488]	1.63	1.2E-21
HRSP12	ENSG00000132541	heat-responsive protein 12 [Source:HGNC Symbol;Acc:16897]	1.93	1.2E-21
--	ENSG00000170846	--	1.88	1.3E-21
SLC28A3	ENSG00000197506	solute carrier family 28 (concentrative nucleoside transporter), member 3 [Source:HGNC Symbol;Acc:16484]	1.86	1.7E-21
PEX5	ENSG00000139197	peroxisomal biogenesis factor 5 [Source:HGNC Symbol;Acc:9719]	1.44	1.9E-21
ANAPC5	ENSG00000089053	anaphase promoting complex subunit 5 [Source:HGNC Symbol;Acc:15713]	1.17	2.0E-21
SNRNP25	ENSG00000161981	small nuclear ribonucleoprotein 25kDa (U11/U12) [Source:HGNC Symbol;Acc:14161]	2.12	2.2E-21
RPL4	ENSG00000174444	ribosomal protein L4 [Source:HGNC Symbol;Acc:10353]	1.38	2.3E-21
FEZF1	ENSG00000128610	FEZ family zinc finger 1 [Source:HGNC Symbol;Acc:22788]	2.42	2.3E-21
--	ENSG00000257553	--	1.61	2.7E-21
POLD2	ENSG00000106628	polymerase (DNA directed), delta 2, accessory subunit [Source:HGNC Symbol;Acc:9176]	1.68	2.8E-21
FYN	ENSG00000010810	FYN oncogene related to SRC, FGR, YES [Source:HGNC Symbol;Acc:4037]	2.03	3.0E-21
DNA2	ENSG00000138346	DNA replication helicase/nuclease 2 [Source:HGNC Symbol;Acc:2939]	2.34	3.1E-21

GLRX5	ENSG00000182512	glutaredoxin 5 [Source:HGNC Symbol;Acc:20134]	1.18	3.1E-21
RAD54L	ENSG00000085999	RAD54-like ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:9826]	1.93	3.3E-21
GDF11	ENSG00000135414	growth differentiation factor 11 [Source:HGNC Symbol;Acc:4216]	2.76	3.4E-21
QSOX2	ENSG00000165661	quiescin Q6 sulfhydryl oxidase 2 [Source:HGNC Symbol;Acc:30249]	1.79	3.5E-21
		small nuclear ribonucleoprotein D2 polypeptide 16.5kDa		
SNRPD2	ENSG00000125743	[Source:HGNC Symbol;Acc:11159]	1.37	3.6E-21
RRP1B	ENSG00000160208	ribosomal RNA processing 1B [Source:HGNC Symbol;Acc:23818]	1.70	4.2E-21
		transcription factor B2, mitochondrial [Source:HGNC		
TFB2M	ENSG00000162851	Symbol;Acc:18559]	1.88	4.4E-21
--	ENSG00000253174	--	3.63	4.7E-21
RPL22	ENSG00000116251	ribosomal protein L22 [Source:HGNC Symbol;Acc:10315]	1.63	4.9E-21
		family with sequence similarity 96, member A [Source:HGNC		
FAM96A	ENSG00000166797	Symbol;Acc:26235]	1.56	5.0E-21
		suppressor of variegation 3-9 homolog 2 ( <i>Drosophila</i> ) [Source:HGNC		
SUV39H2	ENSG00000152455	Symbol;Acc:17287]	1.94	5.5E-21
		signal recognition particle receptor, B subunit [Source:HGNC		
SRPRB	ENSG00000144867	Symbol;Acc:24085]	1.48	5.6E-21
		NIN1/RPN12 binding protein 1 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC		
NOB1	ENSG00000141101	Symbol;Acc:29540]	1.48	5.7E-21
NUBPL	ENSG00000151413	nucleotide binding protein-like [Source:HGNC Symbol;Acc:20278]	2.41	6.2E-21
		mitochondrial genome maintenance exonuclease 1 [Source:HGNC		
MGME1	ENSG00000125871	Symbol;Acc:16205]	1.56	6.3E-21
		translocase of inner mitochondrial membrane 21 homolog (yeast)		
TIMM21	ENSG00000075336	[Source:HGNC Symbol;Acc:25010]	1.84	7.0E-21
		ATP-binding cassette, sub-family E (OABP), member 1 [Source:HGNC		
ABCE1	ENSG00000164163	Symbol;Acc:69]	2.03	7.5E-21
		cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)		
CDKN2C	ENSG00000123080	[Source:HGNC Symbol;Acc:1789]	2.62	8.6E-21

MCCC2	ENSG00000131844	methylcrotonoyl-CoA carboxylase 2 (beta) [Source:HGNC Symbol;Acc:6937]	1.67	8.8E-21
USP28	ENSG00000048028	ubiquitin specific peptidase 28 [Source:HGNC Symbol;Acc:12625]	1.79	9.2E-21
SAAL1	ENSG00000166788	serum amyloid A-like 1 [Source:HGNC Symbol;Acc:25158]	1.87	9.3E-21
RHNO1	ENSG00000171792	RAD9-HUS1-RAD1 interacting nuclear orphan 1 [Source:HGNC Symbol;Acc:28206]	1.64	1.0E-20
RBMX	ENSG00000147274	RNA binding motif protein, X-linked [Source:HGNC Symbol;Acc:9910]	1.41	1.1E-20
--	ENSG00000251018	--	3.88	1.2E-20
NRGN	ENSG00000154146	neurogranin (protein kinase C substrate, RC3) [Source:HGNC Symbol;Acc:8000]	3.52	1.3E-20
ADSL	ENSG00000239900	adenylosuccinate lyase [Source:HGNC Symbol;Acc:291]	1.87	1.3E-20
RPIA	ENSG00000153574	ribose 5-phosphate isomerase A [Source:HGNC Symbol;Acc:10297]	1.55	1.4E-20
TYSND1	ENSG00000156521	trypsin domain containing 1 [Source:HGNC Symbol;Acc:28531]	1.78	1.4E-20
SNHG1	ENSG00000255717	small nucleolar RNA host gene 1 (non-protein coding) [Source:HGNC Symbol;Acc:32688]	1.43	1.4E-20
AGMAT	ENSG00000116771	agmatine ureohydrolase (agmatinase) [Source:HGNC Symbol;Acc:18407]	2.28	1.5E-20
LRRC20	ENSG00000172731	leucine rich repeat containing 20 [Source:HGNC Symbol;Acc:23421]	2.41	1.7E-20
BOD1	ENSG00000145919	biorientation of chromosomes in cell division 1 [Source:HGNC Symbol;Acc:25114]	1.54	2.0E-20
C19orf48	ENSG00000167747	chromosome 19 open reading frame 48 [Source:HGNC Symbol;Acc:29667]	2.47	2.1E-20
GGH	ENSG00000137563	gamma-glutamyl hydrolase (conjugase, folylpolyglutamylyl hydrolase) [Source:HGNC Symbol;Acc:4248]	1.92	2.1E-20
NOP58	ENSG00000055044	NOP58 ribonucleoprotein [Source:HGNC Symbol;Acc:29926]	1.96	2.1E-20
BIVM	ENSG00000134897	basic, immunoglobulin-like variable motif containing [Source:HGNC Symbol;Acc:16034]	2.06	2.3E-20
MRM1	ENSG00000129282	mitochondrial rRNA methyltransferase 1 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:26202]	2.53	2.3E-20

DDX10	ENSG00000178105	DEAD (Asp-Glu-Ala-Asp) box polypeptide 10 [Source:HGNC Symbol;Acc:2735]	1.73	2.5E-20
TYW3	ENSG00000162623	tRNA-yW synthesizing protein 3 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:24757]	2.05	2.5E-20
CHRNA5	ENSG00000169684	cholinergic receptor, nicotinic, alpha 5 (neuronal) [Source:HGNC Symbol;Acc:1959]	5.11	2.7E-20
CHCHD4	ENSG00000163528	coiled-coil-helix-coiled-coil-helix domain containing 4 [Source:HGNC Symbol;Acc:26467]	1.47	2.7E-20
PABPC1L	ENSG00000101104	poly(A) binding protein, cytoplasmic 1-like [Source:HGNC Symbol;Acc:15797]	1.67	2.8E-20
SFXN4	ENSG00000183605	sideroflexin 4 [Source:HGNC Symbol;Acc:16088]	1.78	3.2E-20
NXT1	ENSG00000132661	NTF2-like export factor 1 [Source:HGNC Symbol;Acc:15913]	1.44	3.5E-20
IMP4	ENSG00000136718	IMP4, U3 small nucleolar ribonucleoprotein, homolog (yeast) [Source:HGNC Symbol;Acc:30856]	1.58	3.9E-20
E2F1	ENSG00000101412	E2F transcription factor 1 [Source:HGNC Symbol;Acc:3113]	2.27	4.2E-20
SLC1A4	ENSG00000115902	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4 [Source:HGNC Symbol;Acc:10942]	2.31	4.3E-20
SLC7A8	ENSG00000092068	solute carrier family 7 (amino acid transporter light chain, L system), member 8 [Source:HGNC Symbol;Acc:11066]	1.78	4.3E-20
ALKBH2	ENSG00000189046	alkB, alkylation repair homolog 2 (E. coli) [Source:HGNC Symbol;Acc:32487]	2.34	4.3E-20
--	ENSG00000231864	--	3.34	4.4E-20
BOLA3	ENSG00000163170	bolA family member 3 [Source:HGNC Symbol;Acc:24415]	1.75	4.5E-20
--	ENSG00000232445	--	3.08	4.5E-20
RAD51C	ENSG00000108384	RAD51 paralog C [Source:HGNC Symbol;Acc:9820]	2.24	4.5E-20
--	ENSG00000236081	--	3.91	4.7E-20
NEIL3	ENSG00000109674	nei endonuclease VIII-like 3 (E. coli) [Source:HGNC Symbol;Acc:24573]	5.07	4.7E-20
EN2	ENSG00000164778	engrailed homeobox 2 [Source:HGNC Symbol;Acc:3343]	2.23	4.9E-20

CREG1	ENSG00000143162	cellular repressor of E1A-stimulated genes 1 [Source:HGNC Symbol;Acc:2351]	1.68	4.9E-20
NOX1	ENSG00000007952	NADPH oxidase 1 [Source:HGNC Symbol;Acc:7889]	1.93	5.1E-20
CENPM	ENSG00000100162	centromere protein M [Source:HGNC Symbol;Acc:18352]	2.93	5.3E-20
GGA2	ENSG00000103365	golgi-associated, gamma adaptin ear containing, ARF binding protein 2 [Source:HGNC Symbol;Acc:16064]	1.19	5.3E-20
BAG2	ENSG00000112208	BCL2-associated athanogene 2 [Source:HGNC Symbol;Acc:938]	2.09	5.8E-20
STXBP6	ENSG00000168952	syntaxin binding protein 6 (amisyn) [Source:HGNC Symbol;Acc:19666]	1.88	5.9E-20
MTURN	ENSG00000180354	maturin, neural progenitor differentiation regulator homolog (Xenopus) [Source:HGNC Symbol;Acc:25457]	1.76	7.5E-20
PLEKHS1	ENSG00000148735	pleckstrin homology domain containing, family S member 1 [Source:HGNC Symbol;Acc:26285]	1.61	7.6E-20
NOL6	ENSG00000165271	nucleolar protein 6 (RNA-associated) [Source:HGNC Symbol;Acc:19910]	1.76	7.9E-20
SNHG15	ENSG00000232956	small nucleolar RNA host gene 15 (non-protein coding) [Source:HGNC Symbol;Acc:27797]	1.54	8.0E-20
PTDSS1	ENSG00000156471	phosphatidylserine synthase 1 [Source:HGNC Symbol;Acc:9587]	1.51	8.0E-20
C5orf34	ENSG00000172244	chromosome 5 open reading frame 34 [Source:HGNC Symbol;Acc:24738]	3.05	9.4E-20
GINS3	ENSG00000181938	GINS complex subunit 3 (Psf3 homolog) [Source:HGNC Symbol;Acc:25851]	2.77	9.9E-20
POLR2G	ENSG00000168002	polymerase (RNA) II (DNA directed) polypeptide G [Source:HGNC Symbol;Acc:9194]	1.45	1.1E-19
ACPL2	ENSG00000155893	acid phosphatase-like 2 [Source:HGNC Symbol;Acc:26303]	2.00	1.1E-19
--	ENSG00000254662	--	1.86	1.1E-19
BZW2	ENSG00000136261	basic leucine zipper and W2 domains 2 [Source:HGNC Symbol;Acc:18808]	1.39	1.2E-19

KNSTRN	ENSG00000128944	kinetochore-localized astrin/SPAG5 binding protein [Source:HGNC Symbol;Acc:30767]	1.82	1.3E-19
POLR1C	ENSG00000171453	polymerase (RNA) I polypeptide C, 30kDa [Source:HGNC Symbol;Acc:20194]	1.63	1.4E-19
ABHD10	ENSG00000144827	abhydrolase domain containing 10 [Source:HGNC Symbol;Acc:25656]	1.90	1.5E-19
RSL1D1	ENSG00000171490	ribosomal L1 domain containing 1 [Source:HGNC Symbol;Acc:24534]	1.74	1.5E-19
SGOL2	ENSG00000163535	shugoshin-like 2 (S. pombe) [Source:HGNC Symbol;Acc:30812]	2.70	1.9E-19
RPS12	ENSG00000112306	ribosomal protein S12 [Source:HGNC Symbol;Acc:10385]	1.14	2.0E-19
TP73	ENSG00000078900	tumor protein p73 [Source:HGNC Symbol;Acc:12003]	3.17	2.1E-19
TIMM10	ENSG00000134809	translocase of inner mitochondrial membrane 10 homolog (yeast) [Source:HGNC Symbol;Acc:11814]	1.80	2.2E-19
ENTPD1	ENSG00000138185	ectonucleoside triphosphate diphosphohydrolase 1 [Source:HGNC Symbol;Acc:3363]	2.35	2.2E-19
CHAF1A	ENSG00000167670	chromatin assembly factor 1, subunit A (p150) [Source:HGNC Symbol;Acc:1910]	1.95	2.7E-19
ATP5G1	ENSG00000159199	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C1 (subunit 9) [Source:HGNC Symbol;Acc:841]	1.82	3.1E-19
KIF9	ENSG00000088727	kinesin family member 9 [Source:HGNC Symbol;Acc:16666]	1.86	3.2E-19
GCSH	ENSG00000140905	glycine cleavage system protein H (aminomethyl carrier) [Source:HGNC Symbol;Acc:4208]	2.39	3.5E-19
WDR43	ENSG00000163811	WD repeat domain 43 [Source:HGNC Symbol;Acc:28945]	1.70	3.7E-19
DDX20	ENSG00000064703	DEAD (Asp-Glu-Ala-Asp) box polypeptide 20 [Source:HGNC Symbol;Acc:2743]	1.58	3.7E-19
DCLRE1B	ENSG00000118655	DNA cross-link repair 1B [Source:HGNC Symbol;Acc:17641]	1.89	4.3E-19
RASL11A	ENSG00000122035	RAS-like, family 11, member A [Source:HGNC Symbol;Acc:23802]	1.58	4.3E-19
--	ENSG00000269609	--	1.53	4.5E-19
UCP2	ENSG00000175567	uncoupling protein 2 (mitochondrial, proton carrier) [Source:HGNC Symbol;Acc:12518]	1.50	4.5E-19



PRKDC	ENSG00000253729	protein kinase, DNA-activated, catalytic polypeptide [Source:HGNC Symbol;Acc:9413]	1.92	4.7E-19
FADS1	ENSG00000149485	fatty acid desaturase 1 [Source:HGNC Symbol;Acc:3574]	1.98	4.9E-19
GPATCH4	ENSG00000160818	G patch domain containing 4 [Source:HGNC Symbol;Acc:25982]	1.51	5.0E-19
HSPE1	ENSG00000115541	heat shock 10kDa protein 1 [Source:HGNC Symbol;Acc:5269]	1.81	5.0E-19
KIAA0020	ENSG00000080608	KIAA0020 [Source:HGNC Symbol;Acc:29676]	1.74	5.7E-19
MCMDC2	ENSG00000178460	minichromosome maintenance domain containing 2 [Source:HGNC Symbol;Acc:26368]	1.73	5.7E-19
CDCA4	ENSG00000170779	cell division cycle associated 4 [Source:HGNC Symbol;Acc:14625]	1.50	6.0E-19
LANCL1	ENSG00000115365	LanC lantibiotic synthetase component C-like 1 (bacterial) [Source:HGNC Symbol;Acc:6508]	2.03	6.2E-19
PKD2	ENSG00000118762	polycystic kidney disease 2 (autosomal dominant) [Source:HGNC Symbol;Acc:9009]	3.21	6.2E-19
GYG2	ENSG00000056998	glycogenin 2 [Source:HGNC Symbol;Acc:4700]	2.28	6.7E-19
URB1	ENSG00000142207	URB1 ribosome biogenesis 1 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:17344]	1.80	7.0E-19
ACADSB	ENSG00000196177	acyl-CoA dehydrogenase, short/branched chain [Source:HGNC Symbol;Acc:91]	2.67	8.0E-19
SMKR1	ENSG00000240204	small lysine-rich protein 1 [Source:HGNC Symbol;Acc:43561]	3.03	8.2E-19
CRLS1	ENSG00000088766	cardiolipin synthase 1 [Source:HGNC Symbol;Acc:16148]	1.16	8.5E-19
DPAGT1	ENSG00000172269	dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminophosphotransferase 1 (GlcNAc-1-P transferase) [Source:HGNC Symbol;Acc:2995]	1.34	9.1E-19
UBE2G2	ENSG00000184787	ubiquitin-conjugating enzyme E2G 2 [Source:HGNC Symbol;Acc:12483]	1.27	9.2E-19
LRP8	ENSG00000157193	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor [Source:HGNC Symbol;Acc:6700]	1.45	9.9E-19
PDCL3	ENSG00000115539	phosducin-like 3 [Source:HGNC Symbol;Acc:28860]	1.50	1.0E-18
LARS	ENSG00000133706	leucyl-tRNA synthetase [Source:HGNC Symbol;Acc:6512]	1.36	1.1E-18

FOXRED2	ENSG00000100350	FAD-dependent oxidoreductase domain containing 2 [Source:HGNC Symbol;Acc:26264]	3.39	1.1E-18
NHP2L1	ENSG00000100138	NHP2 non-histone chromosome protein 2-like 1 ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:7819]	1.54	1.1E-18
--	ENSG00000261061	--	2.58	1.1E-18
POLR1E	ENSG00000137054	polymerase (RNA) I polypeptide E, 53kDa [Source:HGNC Symbol;Acc:17631]	1.77	1.2E-18
HAUS5	ENSG00000249115	HAUS augmin-like complex, subunit 5 [Source:HGNC Symbol;Acc:29130]	1.96	1.4E-18
--	ENSG00000005189	Putative RNA exonuclease NEF-sp [Source:UniProtKB/Swiss-Prot;Acc:Q961C2]	2.32	1.4E-18
PGAP1	ENSG00000197121	post-GPI attachment to proteins 1 [Source:HGNC Symbol;Acc:25712]	2.18	1.5E-18
EDAR	ENSG00000135960	ectodysplasin A receptor [Source:HGNC Symbol;Acc:2895]	2.96	1.5E-18
HIRIP3	ENSG00000149929	HIRA interacting protein 3 [Source:HGNC Symbol;Acc:4917]	1.28	1.6E-18
MRPL11	ENSG00000174547	mitochondrial ribosomal protein L11 [Source:HGNC Symbol;Acc:14042]	1.76	1.9E-18
C9orf152	ENSG00000188959	chromosome 9 open reading frame 152 [Source:HGNC Symbol;Acc:31455]	1.88	2.0E-18
TFAM	ENSG00000108064	transcription factor A, mitochondrial [Source:HGNC Symbol;Acc:11741]	1.97	2.0E-18
SASS6	ENSG00000156876	spindle assembly 6 homolog ( <i>C. elegans</i> ) [Source:HGNC Symbol;Acc:25403]	2.30	2.1E-18
AGPAT5	ENSG00000155189	1-acylglycerol-3-phosphate O-acyltransferase 5 [Source:HGNC Symbol;Acc:20886]	2.25	2.1E-18
LRPPRC	ENSG00000138095	leucine-rich pentatricopeptide repeat containing [Source:HGNC Symbol;Acc:15714]	1.55	2.1E-18
SLC7A2	ENSG00000003989	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2 [Source:HGNC Symbol;Acc:11060]	4.45	2.3E-18

GNG4	ENSG00000168243	guanine nucleotide binding protein (G protein), gamma 4 [Source:HGNC Symbol;Acc:4407]	2.01	2.9E-18
APIP	ENSG00000149089	APAF1 interacting protein [Source:HGNC Symbol;Acc:17581]	1.53	2.9E-18
CHAC2	ENSG00000143942	ChaC, cation transport regulator homolog 2 (E. coli) [Source:HGNC Symbol;Acc:32363]	2.38	3.0E-18
TRAIP	ENSG00000183763	TRAF interacting protein [Source:HGNC Symbol;Acc:30764]	3.02	3.3E-18
ACAT1	ENSG00000075239	acetyl-CoA acetyltransferase 1 [Source:HGNC Symbol;Acc:93]	1.76	3.3E-18
TESC	ENSG00000088992	tescalcin [Source:HGNC Symbol;Acc:26065]	1.79	4.2E-18
C17orf53	ENSG00000125319	chromosome 17 open reading frame 53 [Source:HGNC Symbol;Acc:28460]	3.62	4.2E-18
RPS27A	ENSG00000143947	ribosomal protein S27a [Source:HGNC Symbol;Acc:10417]	1.10	4.3E-18
XPO5	ENSG00000124571	exportin 5 [Source:HGNC Symbol;Acc:17675]	1.27	4.4E-18
ZNF485	ENSG00000198298	zinc finger protein 485 [Source:HGNC Symbol;Acc:23440]	2.65	4.7E-18
ZNF589	ENSG00000164048	zinc finger protein 589 [Source:HGNC Symbol;Acc:16747]	1.89	4.9E-18
LFNG	ENSG00000106003	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase [Source:HGNC Symbol;Acc:6560]	1.57	4.9E-18
NDUFAF2	ENSG00000164182	NADH dehydrogenase (ubiquinone) complex I, assembly factor 2 [Source:HGNC Symbol;Acc:28086]	1.85	5.1E-18
POLA2	ENSG00000014138	polymerase (DNA directed), alpha 2, accessory subunit [Source:HGNC Symbol;Acc:30073]	1.40	5.4E-18
DLEU1	ENSG00000176124	deleted in lymphocytic leukemia 1 (non-protein coding) [Source:HGNC Symbol;Acc:13747]	2.26	5.5E-18
C4orf46	ENSG00000205208	chromosome 4 open reading frame 46 [Source:HGNC Symbol;Acc:27320]	3.15	5.8E-18
SNHG3	ENSG00000242125	small nucleolar RNA host gene 3 (non-protein coding) [Source:HGNC Symbol;Acc:10118]	1.55	5.9E-18
NUFIP1	ENSG00000083635	nuclear fragile X mental retardation protein interacting protein 1 [Source:HGNC Symbol;Acc:8057]	2.13	6.0E-18
--	ENSG00000264577	--	1.19	6.2E-18

DDX11	ENSG00000013573	DEAD/H (Asp-Glu-Ala-Asp/His) box helicase 11 [Source:HGNC Symbol;Acc:2736]	1.50	6.5E-18
--	ENSG00000245322	--	1.97	6.9E-18
PMS1	ENSG00000064933	PMS1 postmeiotic segregation increased 1 ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:9121]	2.31	7.0E-18
THG1L	ENSG00000113272	tRNA-histidine guanylyltransferase 1-like ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:26053]	1.65	7.0E-18
RFX5	ENSG00000143390	regulatory factor X, 5 (influences HLA class II expression) [Source:HGNC Symbol;Acc:9986]	1.61	7.2E-18
STOX1	ENSG00000165730	storkhead box 1 [Source:HGNC Symbol;Acc:23508]	3.90	7.8E-18
GEMIN2	ENSG00000092208	gem (nuclear organelle) associated protein 2 [Source:HGNC Symbol;Acc:10884]	1.97	7.9E-18
RRP15	ENSG00000067533	ribosomal RNA processing 15 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:24255]	2.15	8.1E-18
SLC25A19	ENSG00000125454	solute carrier family 25 (mitochondrial thiamine pyrophosphate carrier), member 19 [Source:HGNC Symbol;Acc:14409]	1.69	8.1E-18
THADA	ENSG00000115970	thyroid adenoma associated [Source:HGNC Symbol;Acc:19217]	1.41	8.1E-18
RBM28	ENSG00000106344	RNA binding motif protein 28 [Source:HGNC Symbol;Acc:21863]	1.34	1.0E-17
RBBP9	ENSG00000089050	retinoblastoma binding protein 9 [Source:HGNC Symbol;Acc:9892]	2.30	1.0E-17
MTIF2	ENSG00000085760	mitochondrial translational initiation factor 2 [Source:HGNC Symbol;Acc:7441]	1.11	1.1E-17
PRMT1	ENSG00000126457	protein arginine methyltransferase 1 [Source:HGNC Symbol;Acc:5187]	1.74	1.1E-17
NUP107	ENSG00000111581	nucleoporin 107kDa [Source:HGNC Symbol;Acc:29914]	1.49	1.2E-17
C10orf2	ENSG00000107815	chromosome 10 open reading frame 2 [Source:HGNC Symbol;Acc:1160]	1.92	1.3E-17
FAM161A	ENSG00000170264	family with sequence similarity 161, member A [Source:HGNC Symbol;Acc:25808]	4.09	1.4E-17
RPL7	ENSG00000147604	ribosomal protein L7 [Source:HGNC Symbol;Acc:10363]	1.28	1.4E-17

HMGN3	ENSG00000118418	high mobility group nucleosomal binding domain 3 [Source:HGNC Symbol;Acc:12312]	3.86	1.4E-17
BLMH	ENSG00000108578	bleomycin hydrolase [Source:HGNC Symbol;Acc:1059]	1.89	1.4E-17
RPL3	ENSG00000100316	ribosomal protein L3 [Source:HGNC Symbol;Acc:10332]	1.38	1.4E-17
CC2D2A	ENSG00000048342	coiled-coil and C2 domain containing 2A [Source:HGNC Symbol;Acc:29253]	3.05	1.5E-17
RRN3	ENSG00000085721	RRN3 RNA polymerase I transcription factor homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:30346]	1.33	1.5E-17
NUP155	ENSG00000113569	nucleoporin 155kDa [Source:HGNC Symbol;Acc:8063]	1.83	1.5E-17
TDP1	ENSG00000042088	tyrosyl-DNA phosphodiesterase 1 [Source:HGNC Symbol;Acc:18884]	1.53	1.5E-17
RAD54B	ENSG00000197275	RAD54 homolog B ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:17228]	3.06	1.5E-17
ANP32A	ENSG00000140350	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A [Source:HGNC Symbol;Acc:13233]	1.20	1.6E-17
SNHG10	ENSG00000247092	small nucleolar RNA host gene 10 (non-protein coding) [Source:HGNC Symbol;Acc:27510]	2.04	1.6E-17
SESN3	ENSG00000149212	sestrin 3 [Source:HGNC Symbol;Acc:23060]	2.37	1.6E-17
C4orf21	ENSG00000138658	chromosome 4 open reading frame 21 [Source:HGNC Symbol;Acc:25654]	3.22	1.6E-17
ATG4C	ENSG00000125703	autophagy related 4C, cysteine peptidase [Source:HGNC Symbol;Acc:16040]	2.28	1.7E-17
SMYD5	ENSG00000135632	SMYD family member 5 [Source:HGNC Symbol;Acc:16258]	1.89	1.8E-17
REPIN1	ENSG00000214022	replication initiator 1 [Source:HGNC Symbol;Acc:17922]	1.44	2.1E-17
GLS2	ENSG00000135423	glutaminase 2 (liver, mitochondrial) [Source:HGNC Symbol;Acc:29570]	2.67	2.1E-17
TUBB	ENSG00000196230	tubulin, beta class I [Source:HGNC Symbol;Acc:20778]	1.33	2.2E-17
CHPT1	ENSG00000111666	choline phosphotransferase 1 [Source:HGNC Symbol;Acc:17852]	1.09	2.3E-17
LRRC37A4P	ENSG00000214425	leucine rich repeat containing 37, member A4, pseudogene [Source:HGNC Symbol;Acc:25479]	2.56	2.3E-17
--	ENSG00000270055	--	2.28	2.5E-17

ACTL6A	ENSG00000136518	actin-like 6A [Source:HGNC Symbol;Acc:24124]	1.39	2.5E-17
AUNIP	ENSG00000127423	aurora kinase A and ninein interacting protein [Source:HGNC Symbol;Acc:28363]	2.50	2.7E-17
FBF1	ENSG00000188878	Fas (TNFRSF6) binding factor 1 [Source:HGNC Symbol;Acc:24674]	2.72	2.8E-17
RPL6	ENSG00000089009	ribosomal protein L6 [Source:HGNC Symbol;Acc:10362]	1.25	2.8E-17
RRN3P1	ENSG00000248124	RNA polymerase I transcription factor homolog ( <i>S. cerevisiae</i> ) pseudogene 1 [Source:HGNC Symbol;Acc:30548]	1.56	2.8E-17
URB2	ENSG00000135763	URB2 ribosome biogenesis 2 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:28967]	1.96	3.0E-17
RPA2	ENSG00000117748	replication protein A2, 32kDa [Source:HGNC Symbol;Acc:10290]	1.38	3.0E-17
--	ENSG00000170089	--	1.96	3.3E-17
FANCM	ENSG00000187790	Fanconi anemia, complementation group M [Source:HGNC Symbol;Acc:23168]	2.27	3.5E-17
SOAT1	ENSG00000057252	sterol O-acyltransferase 1 [Source:HGNC Symbol;Acc:11177]	1.96	3.6E-17
RPL23	ENSG00000125691	ribosomal protein L23 [Source:HGNC Symbol;Acc:10316]	1.37	3.6E-17
--	ENSG00000231365	--	1.82	3.9E-17
POLD1	ENSG00000062822	polymerase (DNA directed), delta 1, catalytic subunit [Source:HGNC Symbol;Acc:9175]	2.43	3.9E-17
DDX31	ENSG00000125485	DEAD (Asp-Glu-Ala-Asp) box polypeptide 31 [Source:HGNC Symbol;Acc:16715]	1.64	3.9E-17
MRPL24	ENSG00000143314	mitochondrial ribosomal protein L24 [Source:HGNC Symbol;Acc:14037]	1.40	3.9E-17
EIF2B3	ENSG00000070785	eukaryotic translation initiation factor 2B, subunit 3 gamma, 58kDa [Source:HGNC Symbol;Acc:3259]	1.66	4.3E-17
LYRM7	ENSG00000186687	LYR motif containing 7 [Source:HGNC Symbol;Acc:28072]	1.93	4.3E-17
CECR5	ENSG00000069998	cat eye syndrome chromosome region, candidate 5 [Source:HGNC Symbol;Acc:1843]	1.80	4.5E-17
TWISTNB	ENSG00000105849	TWIST neighbor [Source:HGNC Symbol;Acc:18027]	1.61	4.5E-17

TAF4B	ENSG00000141384	TAF4b RNA polymerase II, TATA box binding protein (TBP)-associated factor, 105kDa [Source:HGNC Symbol;Acc:11538]	2.87	4.5E-17
ZBTB9	ENSG00000213588	zinc finger and BTB domain containing 9 [Source:HGNC Symbol;Acc:28323]	1.84	4.6E-17
RCC2	ENSG00000179051	regulator of chromosome condensation 2 [Source:HGNC Symbol;Acc:30297]	1.18	4.7E-17
TBC1D24	ENSG00000162065	TBC1 domain family, member 24 [Source:HGNC Symbol;Acc:29203]	1.39	4.7E-17
SLC19A1	ENSG00000173638	solute carrier family 19 (folate transporter), member 1 [Source:HGNC Symbol;Acc:10937]	2.69	5.6E-17
HSPA4L	ENSG00000164070	heat shock 70kDa protein 4-like [Source:HGNC Symbol;Acc:17041]	1.79	5.7E-17
--	ENSG00000268565	--	2.37	5.9E-17
--	ENSG00000260807	--	3.27	6.2E-17
--	ENSG00000245970	--	1.09	6.6E-17
DTD2	ENSG00000129480	D-tyrosyl-tRNA deacylase 2 (putative) [Source:HGNC Symbol;Acc:20277]	2.30	6.6E-17
CLSPN	ENSG00000092853	claspin [Source:HGNC Symbol;Acc:19715]	3.76	6.8E-17
KBTBD6	ENSG00000165572	kelch repeat and BTB (POZ) domain containing 6 [Source:HGNC Symbol;Acc:25340]	3.26	7.0E-17
AMT	ENSG00000145020	aminomethyltransferase [Source:HGNC Symbol;Acc:473]	1.72	7.4E-17
--	ENSG00000197775	--	2.12	7.6E-17
EIF3L	ENSG00000100129	eukaryotic translation initiation factor 3, subunit L [Source:HGNC Symbol;Acc:18138]	1.03	7.7E-17
WDR75	ENSG00000115368	WD repeat domain 75 [Source:HGNC Symbol;Acc:25725]	1.43	7.7E-17
CEP128	ENSG00000100629	centrosomal protein 128kDa [Source:HGNC Symbol;Acc:20359]	3.67	7.9E-17
GART	ENSG00000159131	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase [Source:HGNC Symbol;Acc:4163]	1.34	8.6E-17
CDK4	ENSG00000135446	cyclin-dependent kinase 4 [Source:HGNC Symbol;Acc:1773]	1.16	9.1E-17

ADAMTS15	ENSG00000166106	ADAM metallopeptidase with thrombospondin type 1 motif, 15 [Source:HGNC Symbol;Acc:16305]	4.04	9.3E-17
PCID2	ENSG00000126226	PCI domain containing 2 [Source:HGNC Symbol;Acc:25653]	1.07	9.4E-17
DNAJC9	ENSG00000213551	DnaJ (Hsp40) homolog, subfamily C, member 9 [Source:HGNC Symbol;Acc:19123]	1.34	9.5E-17
GPN3	ENSG00000111231	GPN-loop GTPase 3 [Source:HGNC Symbol;Acc:30186]	1.80	9.8E-17
WDR3	ENSG00000065183	WD repeat domain 3 [Source:HGNC Symbol;Acc:12755]	1.44	1.0E-16
TCEAL4	ENSG00000133142	transcription elongation factor A (SII)-like 4 [Source:HGNC Symbol;Acc:26121]	1.69	1.1E-16
SNRNP40	ENSG00000060688	small nuclear ribonucleoprotein 40kDa (U5) [Source:HGNC Symbol;Acc:30857]	1.45	1.1E-16
CCT2	ENSG00000166226	chaperonin containing TCP1, subunit 2 (beta) [Source:HGNC Symbol;Acc:1615]	1.26	1.2E-16
NFIA	ENSG00000162599	nuclear factor I/A [Source:HGNC Symbol;Acc:7784]	1.69	1.2E-16
IPO9	ENSG00000198700	importin 9 [Source:HGNC Symbol;Acc:19425]	1.06	1.2E-16
CNTRL	ENSG00000119397	centriolin [Source:HGNC Symbol;Acc:1858]	1.77	1.4E-16
MRPS25	ENSG00000131368	mitochondrial ribosomal protein S25 [Source:HGNC Symbol;Acc:14511]	1.07	1.4E-16
RWDD2B	ENSG00000156253	RWD domain containing 2B [Source:HGNC Symbol;Acc:1302]	1.66	1.5E-16
CNDP1	ENSG00000150656	carosine dipeptidase 1 (metallopeptidase M20 family) [Source:HGNC Symbol;Acc:20675]	4.40	1.5E-16
EXOSC5	ENSG00000077348	exosome component 5 [Source:HGNC Symbol;Acc:24662]	2.39	1.6E-16
DNMT3A	ENSG00000119772	DNA (cytosine-5-)-methyltransferase 3 alpha [Source:HGNC Symbol;Acc:2978]	1.65	1.6E-16
SYNE2	ENSG00000054654	spectrin repeat containing, nuclear envelope 2 [Source:HGNC Symbol;Acc:17084]	1.62	1.7E-16
GOT2	ENSG00000125166	glutamic-oxaloacetic transaminase 2, mitochondrial [Source:HGNC Symbol;Acc:4433]	1.24	1.7E-16



TSFM	ENSG00000123297	Ts translation elongation factor, mitochondrial [Source:HGNC Symbol;Acc:12367]	1.39	1.7E-16
RILPL2	ENSG00000150977	Rab interacting lysosomal protein-like 2 [Source:HGNC Symbol;Acc:28787]	2.66	1.8E-16
RPS6	ENSG00000137154	ribosomal protein S6 [Source:HGNC Symbol;Acc:10429]	1.40	1.9E-16
NUP133	ENSG00000069248	nucleoporin 133kDa [Source:HGNC Symbol;Acc:18016]	1.32	2.0E-16
DOCK11	ENSG00000147251	dedicator of cytokinesis 11 [Source:HGNC Symbol;Acc:23483]	2.75	2.6E-16
SMARCC1	ENSG00000173473	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1 [Source:HGNC Symbol;Acc:11104]	1.36	2.6E-16
C1orf198	ENSG00000119280	chromosome 1 open reading frame 198 [Source:HGNC Symbol;Acc:25900]	1.06	2.9E-16
MDM1	ENSG00000111554	Mdm1 nuclear protein homolog (mouse) [Source:HGNC Symbol;Acc:29917]	2.79	3.0E-16
TMPO	ENSG00000120802	thymopoietin [Source:HGNC Symbol;Acc:11875]	1.75	3.0E-16
PGAM5	ENSG00000247077	phosphoglycerate mutase family member 5 [Source:HGNC Symbol;Acc:28763]	1.42	3.1E-16
RPS3	ENSG00000149273	ribosomal protein S3 [Source:HGNC Symbol;Acc:10420]	1.25	3.1E-16
MRPL37	ENSG00000116221	mitochondrial ribosomal protein L37 [Source:HGNC Symbol;Acc:14034]	1.13	3.2E-16
COQ3	ENSG00000132423	coenzyme Q3 methyltransferase [Source:HGNC Symbol;Acc:18175]	2.52	3.4E-16
CUTA	ENSG00000112514	cutA divalent cation tolerance homolog (E. coli) [Source:HGNC Symbol;Acc:21101]	1.78	3.5E-16
SMIM11	ENSG00000205670	small integral membrane protein 11 [Source:HGNC Symbol;Acc:1293]	2.50	3.6E-16
DHX57	ENSG00000163214	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57 [Source:HGNC Symbol;Acc:20086]	1.75	3.8E-16
TIMM9	ENSG00000100575	translocase of inner mitochondrial membrane 9 homolog (yeast) [Source:HGNC Symbol;Acc:11819]	1.77	3.8E-16
RABEPK	ENSG00000136933	Rab9 effector protein with kelch motifs [Source:HGNC Symbol;Acc:16896]	1.56	3.9E-16

TTF2	ENSG00000116830	transcription termination factor, RNA polymerase II [Source:HGNC Symbol;Acc:12398]	1.39	4.0E-16
ATAD5	ENSG00000176208	ATPase family, AAA domain containing 5 [Source:HGNC Symbol;Acc:25752]	2.44	4.7E-16
HSPA9	ENSG00000113013	heat shock 70kDa protein 9 (mortalin) [Source:HGNC Symbol;Acc:5244]	1.16	4.7E-16
NUDCD2	ENSG00000170584	NudC domain containing 2 [Source:HGNC Symbol;Acc:30535]	1.80	4.7E-16
SNRPC	ENSG00000124562	small nuclear ribonucleoprotein polypeptide C [Source:HGNC Symbol;Acc:11157]	1.22	4.8E-16
INTS10	ENSG00000104613	integrator complex subunit 10 [Source:HGNC Symbol;Acc:25548]	1.39	4.8E-16
GEMIN4	ENSG00000179409	gem (nuclear organelle) associated protein 4 [Source:HGNC Symbol;Acc:15717]	1.78	5.4E-16
ALG1	ENSG00000033011	ALG1, chitobiosyldiphosphodolichol beta-mannosyltransferase [Source:HGNC Symbol;Acc:18294]	1.35	5.6E-16
RFT1	ENSG00000163933	RFT1 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:30220]	1.44	5.8E-16
CSE1L	ENSG00000124207	CSE1 chromosome segregation 1-like (yeast) [Source:HGNC Symbol;Acc:2431]	1.50	5.9E-16
ZMYM3	ENSG00000147130	zinc finger, MYM-type 3 [Source:HGNC Symbol;Acc:13054]	1.26	6.2E-16
FANCB	ENSG00000181544	Fanconi anemia, complementation group B [Source:HGNC Symbol;Acc:3583]	4.59	6.2E-16
DBF4B	ENSG00000161692	DBF4 homolog B ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:17883]	2.28	6.7E-16
TBC1D31	ENSG00000156787	TBC1 domain family, member 31 [Source:HGNC Symbol;Acc:30888]	1.42	6.9E-16
RPL30	ENSG00000156482	ribosomal protein L30 [Source:HGNC Symbol;Acc:10333]	1.13	6.9E-16
HSPB6	ENSG00000004776	heat shock protein, alpha-crystallin-related, B6 [Source:HGNC Symbol;Acc:26511]	2.81	7.4E-16
FAM210B	ENSG00000124098	family with sequence similarity 210, member B [Source:HGNC Symbol;Acc:16102]	1.41	7.4E-16
C4orf27	ENSG00000056050	chromosome 4 open reading frame 27 [Source:HGNC Symbol;Acc:26051]	2.60	7.7E-16

QTRTD1	ENSG00000151576	queuine tRNA-ribosyltransferase domain containing 1 [Source:HGNC Symbol;Acc:25771]	1.53	8.1E-16
SLC25A35	ENSG00000125434	solute carrier family 25, member 35 [Source:HGNC Symbol;Acc:31921]	1.52	8.1E-16
TK1	ENSG00000167900	thymidine kinase 1, soluble [Source:HGNC Symbol;Acc:11830]	1.59	8.6E-16
TARBP1	ENSG00000059588	TAR (HIV-1) RNA binding protein 1 [Source:HGNC Symbol;Acc:11568]	1.25	8.7E-16
DDX51	ENSG00000185163	DEAD (Asp-Glu-Ala-Asp) box polypeptide 51 [Source:HGNC Symbol;Acc:20082]	1.59	1.0E-15
PTCD2	ENSG00000049883	pentatricopeptide repeat domain 2 [Source:HGNC Symbol;Acc:25734]	2.35	1.0E-15
HNRNPA0	ENSG00000177733	heterogeneous nuclear ribonucleoprotein A0 [Source:HGNC Symbol;Acc:5030]	0.96	1.0E-15
SLC39A10	ENSG00000196950	solute carrier family 39 (zinc transporter), member 10 [Source:HGNC Symbol;Acc:20861]	1.88	1.0E-15
METTL16	ENSG00000127804	methyltransferase like 16 [Source:HGNC Symbol;Acc:28484]	1.35	1.0E-15
TMEM14A	ENSG00000096092	transmembrane protein 14A [Source:HGNC Symbol;Acc:21076]	1.66	1.1E-15
RRM1-AS1	ENSG00000255276	RRM1 antisense RNA 1 [Source:HGNC Symbol;Acc:40512]	1.95	1.1E-15
TDGF1	ENSG00000241186	teratocarcinoma-derived growth factor 1 [Source:HGNC Symbol;Acc:11701]	4.57	1.2E-15
CKAP5	ENSG00000175216	cytoskeleton associated protein 5 [Source:HGNC Symbol;Acc:28959]	1.21	1.3E-15
COX10-AS1	ENSG00000236088	COX10 antisense RNA 1 [Source:HGNC Symbol;Acc:38873]	2.37	1.3E-15
E2F7	ENSG00000165891	E2F transcription factor 7 [Source:HGNC Symbol;Acc:23820]	2.51	1.3E-15
CCDC58	ENSG00000160124	coiled-coil domain containing 58 [Source:HGNC Symbol;Acc:31136]	1.66	1.4E-15
PIGU	ENSG00000101464	phosphatidylinositol glycan anchor biosynthesis, class U [Source:HGNC Symbol;Acc:15791]	1.19	1.4E-15
NUP160	ENSG00000030066	nucleoporin 160kDa [Source:HGNC Symbol;Acc:18017]	1.46	1.5E-15
SF3B3	ENSG00000189091	splicing factor 3b, subunit 3, 130kDa [Source:HGNC Symbol;Acc:10770]	1.02	1.5E-15
ZNF74	ENSG00000185252	zinc finger protein 74 [Source:HGNC Symbol;Acc:13144]	2.14	1.6E-15

TMEM64	ENSG00000180694	transmembrane protein 64 [Source:HGNC Symbol;Acc:25441]	1.93	1.7E-15
EBNA1BP2	ENSG00000117395	EBNA1 binding protein 2 [Source:HGNC Symbol;Acc:15531]	1.04	1.8E-15
THNSL1	ENSG00000185875	threonine synthase-like 1 ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:26160]	2.48	1.8E-15
POLG2	ENSG00000256525	polymerase (DNA directed), gamma 2, accessory subunit [Source:HGNC Symbol;Acc:9180]	1.75	1.9E-15
WDR5	ENSG00000196363	WD repeat domain 5 [Source:HGNC Symbol;Acc:12757]	1.22	2.0E-15
HCAR1	ENSG00000196917	hydroxycarboxylic acid receptor 1 [Source:HGNC Symbol;Acc:4532]	1.89	2.0E-15
DNAJC9-AS1	ENSG00000236756	DNAJC9 antisense RNA 1 [Source:HGNC Symbol;Acc:31432]	1.40	2.3E-15
SDCCAG3	ENSG00000165689	serologically defined colon cancer antigen 3 [Source:HGNC Symbol;Acc:10667]	1.35	2.3E-15
TIPIN	ENSG00000075131	TIMELESS interacting protein [Source:HGNC Symbol;Acc:30750]	2.76	2.5E-15
THEM6	ENSG00000130193	thioesterase superfamily member 6 [Source:HGNC Symbol;Acc:29656]	1.69	2.6E-15
SIGMAR1	ENSG00000147955	sigma non-opioid intracellular receptor 1 [Source:HGNC Symbol;Acc:8157]	1.30	2.7E-15
BORA	ENSG00000136122	bora, aurora kinase A activator [Source:HGNC Symbol;Acc:24724]	1.52	2.8E-15
HIBCH	ENSG00000198130	3-hydroxyisobutyryl-CoA hydrolase [Source:HGNC Symbol;Acc:4908]	1.50	2.8E-15
DHRS4	ENSG00000157326	dehydrogenase/reductase (SDR family) member 4 [Source:HGNC Symbol;Acc:16985]	1.57	2.9E-15
ZC3H8	ENSG00000144161	zinc finger CCCH-type containing 8 [Source:HGNC Symbol;Acc:30941]	1.86	3.0E-15
LCTL	ENSG00000188501	lactase-like [Source:HGNC Symbol;Acc:15583]	2.66	3.1E-15
LAS1L	ENSG00000001497	LAS1-like ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:25726]	1.38	3.2E-15
--	ENSG00000233184	--	1.97	3.2E-15
UTP20	ENSG00000120800	UTP20, small subunit (SSU) processome component, homolog (yeast) [Source:HGNC Symbol;Acc:17897]	2.16	3.2E-15
SLC4A7	ENSG00000033867	solute carrier family 4, sodium bicarbonate cotransporter, member 7 [Source:HGNC Symbol;Acc:11033]	2.34	3.4E-15

POLR3E	ENSG00000058600	polymerase (RNA) III (DNA directed) polypeptide E (80kD) [Source:HGNC Symbol;Acc:30347]	0.99	3.4E-15
METTL3	ENSG00000165819	methyltransferase like 3 [Source:HGNC Symbol;Acc:17563]	1.09	3.4E-15
FAM86A	ENSG00000118894	family with sequence similarity 86, member A [Source:HGNC Symbol;Acc:32221]	1.32	3.7E-15
UBE3D	ENSG00000118420	ubiquitin protein ligase E3D [Source:HGNC Symbol;Acc:21381]	2.91	3.8E-15
PRPF40B	ENSG00000110844	PRP40 pre-mRNA processing factor 40 homolog B ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:25031]	1.84	4.0E-15
DIS3L	ENSG00000166938	DIS3 mitotic control homolog ( <i>S. cerevisiae</i> )-like [Source:HGNC Symbol;Acc:28698]	1.76	4.1E-15
C12orf73	ENSG00000204954	chromosome 12 open reading frame 73 [Source:HGNC Symbol;Acc:34450]	1.76	4.3E-15
ANKRD16	ENSG00000134461	ankyrin repeat domain 16 [Source:HGNC Symbol;Acc:23471]	1.95	4.5E-15
ATR	ENSG00000175054	ataxia telangiectasia and Rad3 related [Source:HGNC Symbol;Acc:882]	1.50	5.0E-15
WDR36	ENSG00000134987	WD repeat domain 36 [Source:HGNC Symbol;Acc:30696]	1.76	5.1E-15
TACC1	ENSG00000147526	transforming, acidic coiled-coil containing protein 1 [Source:HGNC Symbol;Acc:11522]	0.98	5.1E-15
MRPL1	ENSG00000169288	mitochondrial ribosomal protein L1 [Source:HGNC Symbol;Acc:14275]	1.57	5.3E-15
RGMB-AS1	ENSG00000246763	RGMB antisense RNA 1 [Source:HGNC Symbol;Acc:48666]	3.07	5.5E-15
PAAF1	ENSG00000175575	proteasomal ATPase-associated factor 1 [Source:HGNC Symbol;Acc:25687]	1.64	5.8E-15
NUDT21	ENSG00000167005	nudix (nucleoside diphosphate linked moiety X)-type motif 21 [Source:HGNC Symbol;Acc:13870]	1.22	5.8E-15
C20orf96	ENSG00000196476	chromosome 20 open reading frame 96 [Source:HGNC Symbol;Acc:16227]	2.17	5.9E-15
TMEM205	ENSG00000105518	transmembrane protein 205 [Source:HGNC Symbol;Acc:29631]	1.61	6.1E-15
DCPS	ENSG00000110063	decapping enzyme, scavenger [Source:HGNC Symbol;Acc:29812]	1.45	6.1E-15

--	ENSG00000260196	--	1.78	6.4E-15
GSG2	ENSG00000177602	germ cell associated 2 (haspin) [Source:HGNC Symbol;Acc:19682]	3.48	6.7E-15
WDR74	ENSG00000133316	WD repeat domain 74 [Source:HGNC Symbol;Acc:25529]	1.68	6.7E-15
RPS25	ENSG00000118181	ribosomal protein S25 [Source:HGNC Symbol;Acc:10413]	1.12	6.7E-15
ETV4	ENSG00000175832	ets variant 4 [Source:HGNC Symbol;Acc:3493]	2.00	7.2E-15
CCDC74A	ENSG00000163040	coiled-coil domain containing 74A [Source:HGNC Symbol;Acc:25197]	3.25	7.5E-15
PA2G4	ENSG00000170515	proliferation-associated 2G4, 38kDa [Source:HGNC Symbol;Acc:8550]	1.33	7.7E-15
		dynein, axonemal, assembly factor 2 [Source:HGNC		
DNAAF2	ENSG00000165506	Symbol;Acc:20188]	1.63	8.2E-15
STOML2	ENSG00000165283	stomatin (EPB72)-like 2 [Source:HGNC Symbol;Acc:14559]	1.31	8.5E-15
WDR61	ENSG00000140395	WD repeat domain 61 [Source:HGNC Symbol;Acc:30300]	1.21	8.9E-15
--	ENSG00000273373	--	1.82	9.6E-15
UROS	ENSG00000188690	uroporphyrinogen III synthase [Source:HGNC Symbol;Acc:12592]	1.49	9.6E-15
		B-cell CLL/lymphoma 11A (zinc finger protein) [Source:HGNC		
BCL11A	ENSG00000119866	Symbol;Acc:13221]	2.30	1.1E-14
DPH2	ENSG00000132768	DPH2 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:3004]	1.64	1.2E-14
--	ENSG00000233728	--	1.63	1.2E-14
RPL21	ENSG00000122026	ribosomal protein L21 [Source:HGNC Symbol;Acc:10313]	1.30	1.2E-14
		non-SMC element 4 homolog A (S. cerevisiae) [Source:HGNC		
NSMCE4A	ENSG00000107672	Symbol;Acc:25935]	1.30	1.2E-14
DMKN	ENSG00000161249	dermokine [Source:HGNC Symbol;Acc:25063]	1.44	1.3E-14
		non-SMC element 1 homolog (S. cerevisiae) [Source:HGNC		
NSMCE1	ENSG00000169189	Symbol;Acc:29897]	1.13	1.3E-14
		methionyl aminopeptidase type 1D (mitochondrial) [Source:HGNC		
METAP1D	ENSG00000172878	Symbol;Acc:32583]	3.41	1.4E-14
		family with sequence similarity 120C [Source:HGNC		
FAM120C	ENSG00000184083	Symbol;Acc:16949]	3.01	1.5E-14
EXTL2	ENSG00000162694	exostosin-like glycosyltransferase 2 [Source:HGNC Symbol;Acc:3516]	2.28	1.5E-14
PDCD11	ENSG00000148843	programmed cell death 11 [Source:HGNC Symbol;Acc:13408]	1.44	1.5E-14

RPP30	ENSG00000148688	ribonuclease P/MRP 30kDa subunit [Source:HGNC Symbol;Acc:17688] KDEL (Lys-Asp-Glu-Leu) containing 2 [Source:HGNC	1.54	1.5E-14
KDELC2	ENSG00000178202	Symbol;Acc:28496] intraflagellar transport 122 homolog (Chlamydomonas) [Source:HGNC	1.70	1.6E-14
IFT122	ENSG00000163913	Symbol;Acc:13556] HAUS augmin-like complex, subunit 6 [Source:HGNC	1.53	1.6E-14
HAUS6	ENSG00000147874	Symbol;Acc:25948]	1.63	1.6E-14
ATRIP	ENSG00000164053	ATR interacting protein [Source:HGNC Symbol;Acc:33499]	1.65	1.6E-14
NLE1	ENSG00000073536	notchless homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:19889] mago-nashi homolog B (Drosophila) [Source:HGNC	2.47	1.6E-14
MAGOHB	ENSG00000111196	Symbol;Acc:25504]	1.46	1.6E-14
GOLGA2P5	ENSG00000238105	golgin A2 pseudogene 5 [Source:HGNC Symbol;Acc:25315]	1.48	1.7E-14
TGIF2	ENSG00000118707	TGFB-induced factor homeobox 2 [Source:HGNC Symbol;Acc:15764]	1.66	1.8E-14
ELAVL1	ENSG00000066044	ELAV like RNA binding protein 1 [Source:HGNC Symbol;Acc:3312] male-specific lethal 3 homolog (Drosophila) pseudogene 1	0.98	1.9E-14
MSL3P1	ENSG00000224287	[Source:HGNC Symbol;Acc:17837] STEAP family member 3, metalloredutase [Source:HGNC	1.87	1.9E-14
STEAP3	ENSG00000115107	Symbol;Acc:24592]	1.73	1.9E-14
ZIC2	ENSG00000043355	Zic family member 2 [Source:HGNC Symbol;Acc:12873]	1.78	2.2E-14
ACACA	ENSG00000132142	acetyl-CoA carboxylase alpha [Source:HGNC Symbol;Acc:84]	1.12	2.3E-14
HMGB1	ENSG00000189403	high mobility group box 1 [Source:HGNC Symbol;Acc:4983]	1.32	2.3E-14
TMEM177	ENSG00000144120	transmembrane protein 177 [Source:HGNC Symbol;Acc:28143] SURP and G patch domain containing 2 [Source:HGNC	1.43	2.4E-14
SUGP2	ENSG00000064607	Symbol;Acc:18641]	1.00	2.5E-14
--	ENSG00000254420	-- centrobin, centrosomal BRCA2 interacting protein [Source:HGNC	2.57	2.5E-14
CNTROB	ENSG00000170037	Symbol;Acc:29616]	1.41	2.5E-14

FITM2	ENSG00000197296	fat storage-inducing transmembrane protein 2 [Source:HGNC Symbol;Acc:16135]	1.55	2.6E-14
PVT1	ENSG00000249859	Pvt1 oncogene (non-protein coding) [Source:HGNC Symbol;Acc:9709]	1.97	2.7E-14
WDR89	ENSG00000140006	WD repeat domain 89 [Source:HGNC Symbol;Acc:20489]	1.59	2.9E-14
--	ENSG00000261762	--	4.70	2.9E-14
RBBP7	ENSG00000102054	retinoblastoma binding protein 7 [Source:HGNC Symbol;Acc:9890]	1.21	3.0E-14
CDK5RAP1	ENSG00000101391	CDK5 regulatory subunit associated protein 1 [Source:HGNC Symbol;Acc:15880]	1.17	3.2E-14
EHMT2	ENSG00000204371	euchromatic histone-lysine N-methyltransferase 2 [Source:HGNC Symbol;Acc:14129]	1.51	3.3E-14
SLC25A38	ENSG00000144659	solute carrier family 25, member 38 [Source:HGNC Symbol;Acc:26054]	1.15	3.4E-14
ARAP3	ENSG00000120318	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 3 [Source:HGNC Symbol;Acc:24097]	1.77	3.6E-14
NELFCD	ENSG00000101158	negative elongation factor complex member C/D [Source:HGNC Symbol;Acc:15934]	0.94	3.6E-14
LYZ	ENSG00000090382	lysozyme [Source:HGNC Symbol;Acc:6740]	1.41	3.8E-14
FAM89A	ENSG00000182118	family with sequence similarity 89, member A [Source:HGNC Symbol;Acc:25057]	1.37	3.8E-14
RPP40	ENSG00000124787	ribonuclease P/MRP 40kDa subunit [Source:HGNC Symbol;Acc:20992]	2.55	3.9E-14
NTPCR	ENSG00000135778	nucleoside-triphosphatase, cancer-related [Source:HGNC Symbol;Acc:28204]	1.14	3.9E-14
TAMM41	ENSG00000144559	TAM41, mitochondrial translocator assembly and maintenance protein, homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:25187]	1.47	4.0E-14
KCTD12	ENSG00000178695	potassium channel tetramerization domain containing 12 [Source:HGNC Symbol;Acc:14678]	3.13	4.3E-14
UTRN	ENSG00000152818	utrophin [Source:HGNC Symbol;Acc:12635]	2.43	4.3E-14
TMEM231	ENSG00000205084	transmembrane protein 231 [Source:HGNC Symbol;Acc:37234]	2.60	4.6E-14



KLHL42	ENSG00000087448	kelch-like family member 42 [Source:HGNC Symbol;Acc:29252]	1.36	4.8E-14
GAS5	ENSG00000234741	growth arrest-specific 5 (non-protein coding) [Source:HGNC Symbol;Acc:16355]	1.40	4.9E-14
RPAIN	ENSG00000129197	RPA interacting protein [Source:HGNC Symbol;Acc:28641]	1.34	4.9E-14
--	ENSG00000236144	--	1.57	5.2E-14
NSL1	ENSG00000117697	NSL1, MIS12 kinetochore complex component [Source:HGNC Symbol;Acc:24548]	1.56	5.2E-14
NAV2	ENSG00000166833	neuron navigator 2 [Source:HGNC Symbol;Acc:15997]	1.32	5.2E-14
CENPO	ENSG00000138092	centromere protein O [Source:HGNC Symbol;Acc:28152]	1.31	5.4E-14
NKRF	ENSG00000186416	NFKB repressing factor [Source:HGNC Symbol;Acc:19374]	1.40	5.8E-14
VSNL1	ENSG00000163032	visinin-like 1 [Source:HGNC Symbol;Acc:12722]	1.69	5.8E-14
ANKRD13B	ENSG00000198720	ankyrin repeat domain 13B [Source:HGNC Symbol;Acc:26363]	2.11	5.9E-14
CACYBP	ENSG00000116161	calcyclin binding protein [Source:HGNC Symbol;Acc:30423]	1.09	6.2E-14
C2orf70	ENSG00000173557	chromosome 2 open reading frame 70 [Source:HGNC Symbol;Acc:27938]	3.45	6.4E-14
NOL8	ENSG00000198000	nucleolar protein 8 [Source:HGNC Symbol;Acc:23387]	1.63	6.5E-14
TTC12	ENSG00000149292	tetratricopeptide repeat domain 12 [Source:HGNC Symbol;Acc:23700]	1.23	6.5E-14
EFCAB4B	ENSG00000130038	EF-hand calcium binding domain 4B [Source:HGNC Symbol;Acc:28657]	2.46	6.6E-14
RANGRF	ENSG00000108961	RAN guanine nucleotide release factor [Source:HGNC Symbol;Acc:17679]	1.73	6.8E-14
TMEM138	ENSG00000149483	transmembrane protein 138 [Source:HGNC Symbol;Acc:26944]	1.14	7.6E-14
PHF19	ENSG00000119403	PHD finger protein 19 [Source:HGNC Symbol;Acc:24566]	1.07	7.8E-14
TRMU	ENSG00000100416	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase [Source:HGNC Symbol;Acc:25481]	1.43	7.9E-14
ZNF232	ENSG00000167840	zinc finger protein 232 [Source:HGNC Symbol;Acc:13026]	2.00	8.4E-14
MRPS16	ENSG00000182180	mitochondrial ribosomal protein S16 [Source:HGNC Symbol;Acc:14048]	0.87	8.4E-14

TFDP1	ENSG00000198176	transcription factor Dp-1 [Source:HGNC Symbol;Acc:11749] nucleolar protein with MIF4G domain 1 [Source:HGNC	1.27	9.0E-14
NOM1	ENSG00000146909	Symbol;Acc:13244] SET domain and mariner transposase fusion gene [Source:HGNC	1.33	9.0E-14
SETMAR	ENSG00000170364	Symbol;Acc:10762]	2.48	9.2E-14
CUEDC2	ENSG00000107874	CUE domain containing 2 [Source:HGNC Symbol;Acc:28352] acid phosphatase 6, lysophosphatidic [Source:HGNC	1.71	9.5E-14
ACP6	ENSG00000162836	Symbol;Acc:29609]	1.10	9.8E-14
YBX1	ENSG00000065978	Y box binding protein 1 [Source:HGNC Symbol;Acc:8014] DnaJ (Hsp40) homolog, subfamily A, member 3 [Source:HGNC	1.04	1.1E-13
DNAJA3	ENSG00000103423	Symbol;Acc:11808] chromosome 1 open reading frame 109 [Source:HGNC	1.26	1.1E-13
C1orf109	ENSG00000116922	Symbol;Acc:26039]	1.48	1.1E-13
TMEM5	ENSG00000118600	transmembrane protein 5 [Source:HGNC Symbol;Acc:13530]	1.60	1.2E-13
TMEM161A	ENSG00000064545	transmembrane protein 161A [Source:HGNC Symbol;Acc:26020]	1.90	1.3E-13
WDR92	ENSG00000243667	WD repeat domain 92 [Source:HGNC Symbol;Acc:25176]	2.49	1.3E-13
--	ENSG00000258334	--	3.36	1.3E-13
ZNF202	ENSG00000166261	zinc finger protein 202 [Source:HGNC Symbol;Acc:12994] UTP15, U3 small nucleolar ribonucleoprotein, homolog ( <i>S. cerevisiae</i> )	1.40	1.3E-13
UTP15	ENSG00000164338	[Source:HGNC Symbol;Acc:25758]	1.82	1.4E-13
FIGL1	ENSG00000132436	fidgetin-like 1 [Source:HGNC Symbol;Acc:13286]	1.67	1.4E-13
RPA3	ENSG00000106399	replication protein A3, 14kDa [Source:HGNC Symbol;Acc:10291] GC-rich sequence DNA-binding factor 2 [Source:HGNC	1.50	1.4E-13
GCFC2	ENSG00000005436	Symbol;Acc:1317]	1.58	1.4E-13
TMPO-AS1	ENSG00000257167	TMPO antisense RNA 1 [Source:HGNC Symbol;Acc:44158]	1.95	1.5E-13
RPP25	ENSG00000178718	ribonuclease P/MRP 25kDa subunit [Source:HGNC Symbol;Acc:30361] 5'-nucleotidase domain containing 2 [Source:HGNC	1.32	1.5E-13
NT5DC2	ENSG00000168268	Symbol;Acc:25717]	1.58	1.6E-13

TMTC4	ENSG00000125247	transmembrane and tetratricopeptide repeat containing 4 [Source:HGNC Symbol;Acc:25904]	1.53	1.6E-13
TTI1	ENSG00000101407	TELO2 interacting protein 1 [Source:HGNC Symbol;Acc:29029]	1.46	1.6E-13
ERCC8	ENSG00000049167	excision repair cross-complementing rodent repair deficiency, complementation group 8 [Source:HGNC Symbol;Acc:3439]	1.77	1.6E-13
TCEAL8	ENSG00000180964	transcription elongation factor A (SII)-like 8 [Source:HGNC Symbol;Acc:28683]	1.51	1.7E-13
TPGS2	ENSG00000134779	tubulin polyglutamylase complex subunit 2 [Source:HGNC Symbol;Acc:24561]	1.24	1.8E-13
TMEM243	ENSG00000135185	transmembrane protein 243, mitochondrial [Source:HGNC Symbol;Acc:21707]	1.37	1.8E-13
NSMAF	ENSG00000035681	neutral sphingomyelinase (N-SMase) activation associated factor [Source:HGNC Symbol;Acc:8017]	1.00	1.9E-13
SSB	ENSG00000138385	Sjogren syndrome antigen B (autoantigen La) [Source:HGNC Symbol;Acc:11316]	1.44	2.1E-13
SSX2IP	ENSG00000117155	synovial sarcoma, X breakpoint 2 interacting protein [Source:HGNC Symbol;Acc:16509]	1.96	2.1E-13
FAIM2	ENSG00000135472	Fas apoptotic inhibitory molecule 2 [Source:HGNC Symbol;Acc:17067]	4.31	2.3E-13
CCDC150	ENSG00000144395	coiled-coil domain containing 150 [Source:HGNC Symbol;Acc:26834]	3.53	2.3E-13
PSIP1	ENSG00000164985	PC4 and SFRS1 interacting protein 1 [Source:HGNC Symbol;Acc:9527]	2.05	2.3E-13
TMEM237	ENSG00000155755	transmembrane protein 237 [Source:HGNC Symbol;Acc:14432]	1.76	2.3E-13
--	ENSG00000235837	--	1.40	2.4E-13
SLC5A6	ENSG00000138074	solute carrier family 5 (sodium/multivitamin and iodide cotransporter), member 6 [Source:HGNC Symbol;Acc:11041]	1.26	2.6E-13
C17orf89	ENSG00000224877	chromosome 17 open reading frame 89 [Source:HGNC Symbol;Acc:33551]	1.78	2.6E-13
RFC2	ENSG00000049541	replication factor C (activator 1) 2, 40kDa [Source:HGNC Symbol;Acc:9970]	1.30	2.7E-13

MRPL35	ENSG00000132313	mitochondrial ribosomal protein L35 [Source:HGNC Symbol;Acc:14489]	1.13	2.8E-13
XPO4	ENSG00000132953	exportin 4 [Source:HGNC Symbol;Acc:17796]	1.74	2.8E-13
NFIC	ENSG00000141905	nuclear factor I/C (CCAAT-binding transcription factor) [Source:HGNC Symbol;Acc:7786]	1.43	2.9E-13
SPG21	ENSG00000090487	spastic paraplegia 21 (autosomal recessive, Mast syndrome) [Source:HGNC Symbol;Acc:20373]	1.10	3.0E-13
E2F2	ENSG00000007968	E2F transcription factor 2 [Source:HGNC Symbol;Acc:3114]	2.46	3.0E-13
WDR41	ENSG00000164253	WD repeat domain 41 [Source:HGNC Symbol;Acc:25601]	1.38	3.1E-13
--	ENSG00000257764	--	1.47	3.1E-13
PARK7	ENSG00000116288	parkinson protein 7 [Source:HGNC Symbol;Acc:16369]	1.08	3.1E-13
ACTL8	ENSG00000117148	actin-like 8 [Source:HGNC Symbol;Acc:24018]	4.10	3.2E-13
UQCRH	ENSG00000173660	ubiquinol-cytochrome c reductase hinge protein [Source:HGNC Symbol;Acc:12590]	0.86	3.5E-13
ZKSCAN8	ENSG00000198315	zinc finger with KRAB and SCAN domains 8 [Source:HGNC Symbol;Acc:12983]	1.72	3.6E-13
CCDC66	ENSG00000180376	coiled-coil domain containing 66 [Source:HGNC Symbol;Acc:27709]	1.44	3.6E-13
ARSE	ENSG00000157399	arylsulfatase E (chondrodysplasia punctata 1) [Source:HGNC Symbol;Acc:719]	1.27	3.8E-13
CHAMP1	ENSG00000198824	chromosome alignment maintaining phosphoprotein 1 [Source:HGNC Symbol;Acc:20311]	1.65	3.9E-13
--	ENSG00000270189	--	2.14	3.9E-13
RPS24	ENSG00000138326	ribosomal protein S24 [Source:HGNC Symbol;Acc:10411]	1.16	3.9E-13
MRTO4	ENSG00000053372	mRNA turnover 4 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:18477]	1.16	4.0E-13
C14orf159	ENSG00000133943	chromosome 14 open reading frame 159 [Source:HGNC Symbol;Acc:20498]	1.13	4.0E-13
NDUFAB1	ENSG00000004779	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1, 8kDa [Source:HGNC Symbol;Acc:7694]	0.99	4.2E-13

DPH1	ENSG00000108963	diphthamide biosynthesis 1 [Source:HGNC Symbol;Acc:3003]	1.97	4.2E-13
ALG3	ENSG00000214160	ALG3, alpha-1,3- mannosyltransferase [Source:HGNC Symbol;Acc:23056]	1.60	4.2E-13
EIF4B	ENSG00000063046	eukaryotic translation initiation factor 4B [Source:HGNC Symbol;Acc:3285]	0.98	4.4E-13
ERI3	ENSG00000117419	ERI1 exoribonuclease family member 3 [Source:HGNC Symbol;Acc:17276]	1.45	4.5E-13
NUP93	ENSG00000102900	nucleoporin 93kDa [Source:HGNC Symbol;Acc:28958]	1.57	4.5E-13
MTR	ENSG00000116984	5-methyltetrahydrofolate-homocysteine methyltransferase [Source:HGNC Symbol;Acc:7468]	1.25	4.7E-13
UBXN8	ENSG00000104691	UBX domain protein 8 [Source:HGNC Symbol;Acc:30307]	2.03	5.0E-13
FAM168A	ENSG00000054965	family with sequence similarity 168, member A [Source:HGNC Symbol;Acc:28999]	1.63	5.1E-13
--	ENSG00000267328	--	3.84	5.1E-13
DLGAP1-AS2	ENSG00000262001	DLGAP1 antisense RNA 2 [Source:HGNC Symbol;Acc:28146]	1.89	5.3E-13
--	ENSG00000248835	CDNA: FLJ21031 fis, clone CAE07336; HCG1780521; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q9H7D2]	3.06	5.4E-13
ATPAF1	ENSG00000123472	ATP synthase mitochondrial F1 complex assembly factor 1 [Source:HGNC Symbol;Acc:18803]	1.20	5.6E-13
CCDC115	ENSG00000136710	coiled-coil domain containing 115 [Source:HGNC Symbol;Acc:28178]	0.98	5.6E-13
PM20D2	ENSG00000146281	peptidase M20 domain containing 2 [Source:HGNC Symbol;Acc:21408]	2.09	5.7E-13
HSF2	ENSG00000025156	heat shock transcription factor 2 [Source:HGNC Symbol;Acc:5225]	2.03	5.7E-13
PTMA	ENSG00000187514	prothymosin, alpha [Source:HGNC Symbol;Acc:9623]	1.18	6.0E-13
PHTF2	ENSG00000006576	putative homeodomain transcription factor 2 [Source:HGNC Symbol;Acc:13411]	1.59	6.1E-13
COQ2	ENSG00000173085	coenzyme Q2 4-hydroxybenzoate polyprenyltransferase [Source:HGNC Symbol;Acc:25223]	1.38	6.4E-13

KREMEN1	ENSG00000183762	kringle containing transmembrane protein 1 [Source:HGNC Symbol;Acc:17550]	1.42	6.5E-13
TMEM178B	ENSG00000261115	transmembrane protein 178B [Source:HGNC Symbol;Acc:44112]	1.84	6.5E-13
EXOSC7	ENSG00000075914	exosome component 7 [Source:HGNC Symbol;Acc:28112]	1.14	6.5E-13
--	ENSG00000257588	--	3.92	6.6E-13
SEC31B	ENSG00000075826	SEC31 homolog B ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:23197]	1.67	6.6E-13
SPEF2	ENSG00000152582	sperm flagellar 2 [Source:HGNC Symbol;Acc:26293]	2.49	6.8E-13
MRPL34	ENSG00000130312	mitochondrial ribosomal protein L34 [Source:HGNC Symbol;Acc:14488]	1.47	6.9E-13
C18orf56	ENSG00000176912	chromosome 18 open reading frame 56 [Source:HGNC Symbol;Acc:29553]	3.54	7.0E-13
CA8	ENSG00000178538	carbonic anhydrase VIII [Source:HGNC Symbol;Acc:1382]	3.72	7.0E-13
LGR6	ENSG00000133067	leucine-rich repeat containing G protein-coupled receptor 6 [Source:HGNC Symbol;Acc:19719]	2.56	7.0E-13
EEF1E1	ENSG00000124802	eukaryotic translation elongation factor 1 epsilon 1 [Source:HGNC Symbol;Acc:3212]	2.08	7.1E-13
ARMC9	ENSG00000135931	armadillo repeat containing 9 [Source:HGNC Symbol;Acc:20730]	1.70	7.4E-13
KLHL23	ENSG00000213160	kelch-like family member 23 [Source:HGNC Symbol;Acc:27506]	1.85	7.5E-13
C9orf40	ENSG00000135045	chromosome 9 open reading frame 40 [Source:HGNC Symbol;Acc:23433]	1.68	7.6E-13
ATP5A1	ENSG00000152234	ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle [Source:HGNC Symbol;Acc:823]	0.89	7.7E-13
ABCF2	ENSG00000033050	ATP-binding cassette, sub-family F (GCN20), member 2 [Source:HGNC Symbol;Acc:71]	1.27	8.0E-13
DNAJC19	ENSG00000205981	DnaJ (Hsp40) homolog, subfamily C, member 19 [Source:HGNC Symbol;Acc:30528]	1.29	8.1E-13
RPL7A	ENSG00000148303	ribosomal protein L7a [Source:HGNC Symbol;Acc:10364]	1.10	8.2E-13
SRSF1	ENSG00000136450	serine/arginine-rich splicing factor 1 [Source:HGNC Symbol;Acc:10780]	0.97	8.4E-13

MSANTD4	ENSG00000170903	Myb/SANT-like DNA-binding domain containing 4 with coiled-coils [Source:HGNC Symbol;Acc:29383]	1.61	9.1E-13
MTERFD1	ENSG00000156469	MTERF domain containing 1 [Source:HGNC Symbol;Acc:24258]	1.61	9.1E-13
DARS2	ENSG00000117593	aspartyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:25538]	1.45	9.1E-13
RPUSD3	ENSG00000156990	RNA pseudouridylate synthase domain containing 3 [Source:HGNC Symbol;Acc:28437]	1.20	9.1E-13
FMOD	ENSG00000122176	fibromodulin [Source:HGNC Symbol;Acc:3774]	1.72	1.0E-12
AMPD2	ENSG00000116337	adenosine monophosphate deaminase 2 [Source:HGNC Symbol;Acc:469]	1.24	1.0E-12
MYB-AS1	ENSG00000236703	MYB antisense RNA 1 [Source:HGNC Symbol;Acc:37457]	3.07	1.0E-12
FZD3	ENSG00000104290	frizzled family receptor 3 [Source:HGNC Symbol;Acc:4041]	2.07	1.1E-12
ZNF771	ENSG00000179965	zinc finger protein 771 [Source:HGNC Symbol;Acc:29653]	1.76	1.1E-12
PRKX	ENSG00000183943	protein kinase, X-linked [Source:HGNC Symbol;Acc:9441]	1.26	1.1E-12
ERH	ENSG00000100632	enhancer of rudimentary homolog (Drosophila) [Source:HGNC Symbol;Acc:3447]	1.22	1.2E-12
PPIL1	ENSG00000137168	peptidylprolyl isomerase (cyclophilin)-like 1 [Source:HGNC Symbol;Acc:9260]	1.54	1.2E-12
TOMM20	ENSG00000173726	translocase of outer mitochondrial membrane 20 homolog (yeast) [Source:HGNC Symbol;Acc:20947]	1.09	1.2E-12
RPL32	ENSG00000144713	ribosomal protein L32 [Source:HGNC Symbol;Acc:10336]	1.21	1.3E-12
CHDH	ENSG00000016391	choline dehydrogenase [Source:HGNC Symbol;Acc:24288]	0.98	1.3E-12
ZDHHC23	ENSG00000184307	zinc finger, DHHC-type containing 23 [Source:HGNC Symbol;Acc:28654]	1.51	1.4E-12
FZD7	ENSG00000155760	frizzled family receptor 7 [Source:HGNC Symbol;Acc:4045]	1.99	1.4E-12
DCAKD	ENSG00000172992	dephospho-CoA kinase domain containing [Source:HGNC Symbol;Acc:26238]	1.77	1.5E-12
SRR	ENSG00000167720	serine racemase [Source:HGNC Symbol;Acc:14398]	1.14	1.5E-12
TXNDC16	ENSG00000087301	thioredoxin domain containing 16 [Source:HGNC Symbol;Acc:19965]	2.27	1.5E-12

--	ENSG00000256690	--	1.54	1.6E-12
SERBP1	ENSG00000142864	SERPINE1 mRNA binding protein 1 [Source:HGNC Symbol;Acc:17860]	1.07	1.7E-12
CPOX	ENSG00000080819	coproporphyrinogen oxidase [Source:HGNC Symbol;Acc:2321]	1.41	1.7E-12
DNMT3B	ENSG00000088305	DNA (cytosine-5-)-methyltransferase 3 beta [Source:HGNC Symbol;Acc:2979]	1.88	1.7E-12
MIS18BP1	ENSG00000129534	MIS18 binding protein 1 [Source:HGNC Symbol;Acc:20190]	1.96	1.7E-12
C12orf66	ENSG00000174206	chromosome 12 open reading frame 66 [Source:HGNC Symbol;Acc:26517]	1.63	1.8E-12
NAP1L1	ENSG00000187109	nucleosome assembly protein 1-like 1 [Source:HGNC Symbol;Acc:7637]	1.41	1.8E-12
PIAS2	ENSG00000078043	protein inhibitor of activated STAT, 2 [Source:HGNC Symbol;Acc:17311]	1.44	1.9E-12
PNO1	ENSG00000115946	partner of NOB1 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:32790]	1.70	1.9E-12
MDH1	ENSG00000014641	malate dehydrogenase 1, NAD (soluble) [Source:HGNC Symbol;Acc:6970]	1.01	1.9E-12
GNPDA1	ENSG00000113552	glucosamine-6-phosphate deaminase 1 [Source:HGNC Symbol;Acc:4417]	1.19	1.9E-12
PRCP	ENSG00000137509	prolylcarboxypeptidase (angiotensinase C) [Source:HGNC Symbol;Acc:9344]	1.16	1.9E-12
LGR5	ENSG00000139292	leucine-rich repeat containing G protein-coupled receptor 5 [Source:HGNC Symbol;Acc:4504]	4.71	1.9E-12
CEP41	ENSG00000106477	centrosomal protein 41kDa [Source:HGNC Symbol;Acc:12370]	2.05	1.9E-12
PAIP2B	ENSG00000124374	poly(A) binding protein interacting protein 2B [Source:HGNC Symbol;Acc:29200]	2.63	2.0E-12
PIGW	ENSG00000184886	phosphatidylinositol glycan anchor biosynthesis, class W [Source:HGNC Symbol;Acc:23213]	1.72	2.0E-12
FASTKD2	ENSG00000118246	FAST kinase domains 2 [Source:HGNC Symbol;Acc:29160]	1.41	2.1E-12



NAF1	ENSG00000145414	nuclear assembly factor 1 ribonucleoprotein [Source:HGNC Symbol;Acc:25126]	1.82	2.1E-12
VWA8	ENSG00000102763	von Willebrand factor A domain containing 8 [Source:HGNC Symbol;Acc:29071]	1.92	2.1E-12
NOP2	ENSG00000111641	NOP2 nucleolar protein [Source:HGNC Symbol;Acc:7867]	1.35	2.2E-12
NUDT5	ENSG00000165609	nudix (nucleoside diphosphate linked moiety X)-type motif 5 [Source:HGNC Symbol;Acc:8052]	1.06	2.2E-12
MPLKIP	ENSG00000168303	M-phase specific PLK1 interacting protein [Source:HGNC Symbol;Acc:16002]	1.07	2.3E-12
RNF157-AS1	ENSG00000267128	RNF157 antisense RNA 1 [Source:HGNC Symbol;Acc:44127]	1.66	2.3E-12
SNX5	ENSG00000089006	sorting nexin 5 [Source:HGNC Symbol;Acc:14969]	1.27	2.3E-12
FLVCR1	ENSG00000162769	feline leukemia virus subgroup C cellular receptor 1 [Source:HGNC Symbol;Acc:24682]	1.22	2.4E-12
MYL6B	ENSG00000196465	myosin, light chain 6B, alkali, smooth muscle and non-muscle [Source:HGNC Symbol;Acc:29823]	2.09	2.4E-12
PPT1	ENSG00000131238	palmitoyl-protein thioesterase 1 [Source:HGNC Symbol;Acc:9325]	1.15	2.5E-12
CNNM3	ENSG00000168763	cyclin M3 [Source:HGNC Symbol;Acc:104]	1.26	2.5E-12
MRP63	ENSG00000173141	mitochondrial ribosomal protein 63 [Source:HGNC Symbol;Acc:14514]	1.23	2.6E-12
POGLUT1	ENSG00000163389	protein O-glucosyltransferase 1 [Source:HGNC Symbol;Acc:22954]	1.47	2.6E-12
RNASEH1-AS	ENSG00000234171	RNASEH1 antisense RNA 1 [Source:HGNC Symbol;Acc:49289]	2.31	2.6E-12
RNF166	ENSG00000158717	ring finger protein 166 [Source:HGNC Symbol;Acc:28856]	1.99	2.6E-12
DLEU2	ENSG00000231607	deleted in lymphocytic leukemia 2 (non-protein coding) [Source:HGNC Symbol;Acc:13748]	2.50	2.8E-12
EIF3E	ENSG00000104408	eukaryotic translation initiation factor 3, subunit E [Source:HGNC Symbol;Acc:3277]	1.30	2.8E-12
ZNF343	ENSG00000088876	zinc finger protein 343 [Source:HGNC Symbol;Acc:16017]	1.45	2.9E-12
G6PC3	ENSG00000141349	glucose 6 phosphatase, catalytic, 3 [Source:HGNC Symbol;Acc:24861]	1.78	2.9E-12

PATZ1	ENSG00000100105	POZ (BTB) and AT hook containing zinc finger 1 [Source:HGNC Symbol;Acc:13071]	1.23	3.0E-12
--	ENSG00000179859	--	2.29	3.0E-12
RIBC2	ENSG00000128408	RIB43A domain with coiled-coils 2 [Source:HGNC Symbol;Acc:13241]	4.11	3.1E-12
MRPL21	ENSG00000197345	mitochondrial ribosomal protein L21 [Source:HGNC Symbol;Acc:14479]	1.13	3.1E-12
MBIP	ENSG00000151332	MAP3K12 binding inhibitory protein 1 [Source:HGNC Symbol;Acc:20427]	1.62	3.1E-12
FAM169A	ENSG00000198780	family with sequence similarity 169, member A [Source:HGNC Symbol;Acc:29138]	2.99	3.2E-12
RPL11	ENSG00000142676	ribosomal protein L11 [Source:HGNC Symbol;Acc:10301]	1.04	3.2E-12
ACTR3B	ENSG00000133627	ARP3 actin-related protein 3 homolog B (yeast) [Source:HGNC Symbol;Acc:17256]	1.90	3.3E-12
MRE11A	ENSG00000020922	MRE11 meiotic recombination 11 homolog A ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:7230]	1.56	3.3E-12
TCTN1	ENSG00000204852	tectonic family member 1 [Source:HGNC Symbol;Acc:26113]	1.56	3.3E-12
DIEXF	ENSG00000117597	digestive organ expansion factor homolog (zebrafish) [Source:HGNC Symbol;Acc:28440]	1.31	3.3E-12
TGFBR3	ENSG00000069702	transforming growth factor, beta receptor III [Source:HGNC Symbol;Acc:11774]	1.89	3.3E-12
HEATR3	ENSG00000155393	HEAT repeat containing 3 [Source:HGNC Symbol;Acc:26087]	1.23	3.3E-12
RUVBL1	ENSG00000175792	RuvB-like AAA ATPase 1 [Source:HGNC Symbol;Acc:10474]	1.39	3.4E-12
--	ENSG00000265415	--	3.18	3.4E-12
MRPS30	ENSG00000112996	mitochondrial ribosomal protein S30 [Source:HGNC Symbol;Acc:8769]	1.49	3.5E-12
WDR27	ENSG00000184465	WD repeat domain 27 [Source:HGNC Symbol;Acc:21248]	1.40	3.6E-12
TMEM216	ENSG00000187049	transmembrane protein 216 [Source:HGNC Symbol;Acc:25018]	1.24	3.7E-12
FAM136A	ENSG00000035141	family with sequence similarity 136, member A [Source:HGNC Symbol;Acc:25911]	0.83	3.8E-12

LINC00338	ENSG00000234912	long intergenic non-protein coding RNA 338 [Source:HGNC Symbol;Acc:33099]	1.71	3.9E-12
DLL1	ENSG00000198719	delta-like 1 (Drosophila) [Source:HGNC Symbol;Acc:2908]	2.79	4.0E-12
PRDX3	ENSG00000165672	peroxiredoxin 3 [Source:HGNC Symbol;Acc:9354]	1.51	4.0E-12
--	ENSG00000224645	--	1.72	4.1E-12
ALDH5A1	ENSG00000112294	aldehyde dehydrogenase 5 family, member A1 [Source:HGNC Symbol;Acc:408]	1.73	4.2E-12
RNF43	ENSG00000108375	ring finger protein 43 [Source:HGNC Symbol;Acc:18505]	1.17	4.3E-12
CHSY1	ENSG00000131873	chondroitin sulfate synthase 1 [Source:HGNC Symbol;Acc:17198]	1.67	4.3E-12
--	ENSG00000269416	--	1.84	4.4E-12
PODXL2	ENSG00000114631	podocalyxin-like 2 [Source:HGNC Symbol;Acc:17936]	1.54	4.5E-12
CENPL	ENSG00000120334	centromere protein L [Source:HGNC Symbol;Acc:17879]	1.70	4.5E-12
DFFA	ENSG00000160049	DNA fragmentation factor, 45kDa, alpha polypeptide [Source:HGNC Symbol;Acc:2772]	1.10	4.6E-12
MNS1	ENSG00000138587	meiosis-specific nuclear structural 1 [Source:HGNC Symbol;Acc:29636]	3.59	4.7E-12
PRKCQ-AS1	ENSG00000237943	PRKCQ antisense RNA 1 [Source:HGNC Symbol;Acc:44689]	3.48	4.8E-12
TPM2	ENSG00000198467	tropomyosin 2 (beta) [Source:HGNC Symbol;Acc:12011]	1.21	4.8E-12
RNF26	ENSG00000173456	ring finger protein 26 [Source:HGNC Symbol;Acc:14646]	1.16	4.8E-12
--	ENSG00000271754	--	1.69	4.9E-12
MRPL51	ENSG00000111639	mitochondrial ribosomal protein L51 [Source:HGNC Symbol;Acc:14044]	0.86	5.1E-12
ACBD6	ENSG00000135847	acyl-CoA binding domain containing 6 [Source:HGNC Symbol;Acc:23339]	1.29	5.1E-12
SESN1	ENSG00000080546	sestrin 1 [Source:HGNC Symbol;Acc:21595]	1.37	5.1E-12
CSTF2T	ENSG00000177613	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa, tau variant [Source:HGNC Symbol;Acc:17086]	1.34	5.2E-12
LINC00858	ENSG00000229404	long intergenic non-protein coding RNA 858 [Source:HGNC Symbol;Acc:27276]	2.19	5.3E-12

NNT	ENSG00000112992	nicotinamide nucleotide transhydrogenase [Source:HGNC Symbol;Acc:7863]	1.27	5.6E-12
TMEM116	ENSG00000198270	transmembrane protein 116 [Source:HGNC Symbol;Acc:25084]	2.11	6.0E-12
CYP39A1	ENSG00000146233	cytochrome P450, family 39, subfamily A, polypeptide 1 [Source:HGNC Symbol;Acc:17449]	4.27	6.1E-12
RUVBL2	ENSG00000183207	RuvB-like AAA ATPase 2 [Source:HGNC Symbol;Acc:10475]	1.29	6.1E-12
HOXB5	ENSG00000120075	homeobox B5 [Source:HGNC Symbol;Acc:5116]	1.37	6.6E-12
ALDH9A1	ENSG00000143149	aldehyde dehydrogenase 9 family, member A1 [Source:HGNC Symbol;Acc:412]	1.10	6.6E-12
RPUSD2	ENSG00000166133	RNA pseudouridylate synthase domain containing 2 [Source:HGNC Symbol;Acc:24180]	1.66	6.7E-12
ZNF32	ENSG00000169740	zinc finger protein 32 [Source:HGNC Symbol;Acc:13095]	1.83	6.7E-12
WRAP53	ENSG00000141499	WD repeat containing, antisense to TP53 [Source:HGNC Symbol;Acc:25522]	1.71	6.8E-12
--	ENSG00000236498	--	0.97	6.9E-12
PAXIP1-AS1	ENSG00000273344	PAXIP1 antisense RNA 1 (head to head) [Source:HGNC Symbol;Acc:27328]	1.62	6.9E-12
TEX30	ENSG00000151287	testis expressed 30 [Source:HGNC Symbol;Acc:25188]	1.78	6.9E-12
COA4	ENSG00000181924	cytochrome c oxidase assembly factor 4 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:24604]	1.01	6.9E-12
CACNA1D	ENSG00000157388	calcium channel, voltage-dependent, L type, alpha 1D subunit [Source:HGNC Symbol;Acc:1391]	1.39	7.1E-12
SGOL1-AS1	ENSG00000237485	SGOL1 antisense RNA 1 [Source:HGNC Symbol;Acc:41081]	3.14	7.2E-12
--	ENSG00000171282	BAH and coiled-coil domain-containing protein 1 [Source:RefSeq peptide;Acc:NP_001073988]	1.56	7.2E-12
MRPL9	ENSG00000143436	mitochondrial ribosomal protein L9 [Source:HGNC Symbol;Acc:14277]	0.93	7.4E-12
IMP3	ENSG00000177971	IMP3, U3 small nucleolar ribonucleoprotein, homolog (yeast) [Source:HGNC Symbol;Acc:14497]	0.99	7.6E-12

FOXA2	ENSG00000125798	forkhead box A2 [Source:HGNC Symbol;Acc:5022] translocase of outer mitochondrial membrane 22 homolog (yeast)	1.11	7.9E-12
TOMM22	ENSG00000100216	[Source:HGNC Symbol;Acc:18002]	1.03	7.9E-12
HABP2	ENSG00000148702	hyaluronan binding protein 2 [Source:HGNC Symbol;Acc:4798]	4.34	8.4E-12
TMEM201	ENSG00000188807	transmembrane protein 201 [Source:HGNC Symbol;Acc:33719]	2.63	8.5E-12
NOTCH1	ENSG00000148400	notch 1 [Source:HGNC Symbol;Acc:7881]	1.69	8.6E-12
--	ENSG00000257222	--	1.46	9.0E-12
TCF19	ENSG00000137310	transcription factor 19 [Source:HGNC Symbol;Acc:11629]	1.15	9.1E-12
MARVELD1	ENSG00000155254	MARVEL domain containing 1 [Source:HGNC Symbol;Acc:28674] ATPase, H <sup>+</sup> transporting V0 subunit e2 [Source:HGNC	1.09	9.2E-12
ATP6V0E2	ENSG00000171130	Symbol;Acc:21723]	1.81	9.3E-12
KIAA0586	ENSG00000100578	KIAA0586 [Source:HGNC Symbol;Acc:19960]	1.62	9.3E-12
EPHX2	ENSG00000120915	epoxide hydrolase 2, cytoplasmic [Source:HGNC Symbol;Acc:3402]	1.36	9.4E-12
--	ENSG00000265393	--	2.15	9.5E-12
TRUB2	ENSG00000167112	TruB pseudouridine (psi) synthase family member 2 [Source:HGNC	1.08	9.7E-12
GLB1L2	ENSG00000149328	Symbol;Acc:17170] galactosidase, beta 1-like 2 [Source:HGNC Symbol;Acc:25129]	1.30	1.0E-11
ACYP1	ENSG00000119640	acylphosphatase 1, erythrocyte (common) type [Source:HGNC	1.48	1.0E-11
FARS2	ENSG00000145982	Symbol;Acc:179] phenylalanyl-tRNA synthetase 2, mitochondrial [Source:HGNC	1.68	1.0E-11
IFT80	ENSG00000068885	Symbol;Acc:21062] intraflagellar transport 80 homolog (Chlamydomonas) [Source:HGNC	2.13	1.1E-11
SCARA3	ENSG00000168077	Symbol;Acc:29262] scavenger receptor class A, member 3 [Source:HGNC	4.04	1.1E-11
CCNI2	ENSG00000205089	Symbol;Acc:19000] cyclin I family, member 2 [Source:HGNC Symbol;Acc:33869]	1.10	1.1E-11
FAM216A	ENSG00000204856	family with sequence similarity 216, member A [Source:HGNC	2.58	1.2E-11
		Symbol;Acc:30180]		

IFT74	ENSG00000096872	intraflagellar transport 74 homolog (Chlamydomonas) [Source:HGNC Symbol;Acc:21424]	1.53	1.2E-11
CHD6	ENSG00000124177	chromodomain helicase DNA binding protein 6 [Source:HGNC Symbol;Acc:19057]	1.27	1.3E-11
FAHD2B	ENSG00000144199	fumarylacetoacetate hydrolase domain containing 2B [Source:HGNC Symbol;Acc:25318]	2.83	1.3E-11
MANEAL	ENSG00000185090	mannosidase, endo-alpha-like [Source:HGNC Symbol;Acc:26452]	1.59	1.3E-11
METTL13	ENSG00000010165	methyltransferase like 13 [Source:HGNC Symbol;Acc:24248]	1.26	1.3E-11
HDDC2	ENSG00000111906	HD domain containing 2 [Source:HGNC Symbol;Acc:21078]	1.03	1.3E-11
DDX18	ENSG00000088205	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18 [Source:HGNC Symbol;Acc:2741]	1.37	1.3E-11
RPS8	ENSG00000142937	ribosomal protein S8 [Source:HGNC Symbol;Acc:10441]	1.12	1.4E-11
ARL3	ENSG00000138175	ADP-ribosylation factor-like 3 [Source:HGNC Symbol;Acc:694]	1.57	1.5E-11
NIF3L1	ENSG00000196290	NIF3 NGG1 interacting factor 3-like 1 ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:13390]	0.95	1.6E-11
RPL27	ENSG00000131469	ribosomal protein L27 [Source:HGNC Symbol;Acc:10328]	1.06	1.7E-11
FAM211A-AS	ENSG00000175061	FAM211A antisense RNA 1 [Source:HGNC Symbol;Acc:28619]	1.05	1.7E-11
FAM131B	ENSG00000159784	family with sequence similarity 131, member B [Source:HGNC Symbol;Acc:22202]	1.80	1.7E-11
IMPA2	ENSG00000141401	inositol(myo)-1(or 4)-monophosphatase 2 [Source:HGNC Symbol;Acc:6051]	1.67	1.7E-11
EMC3-AS1	ENSG00000180385	EMC3 antisense RNA 1 [Source:HGNC Symbol;Acc:49223]	2.11	1.7E-11
DFFB	ENSG00000169598	DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase) [Source:HGNC Symbol;Acc:2773]	2.14	1.8E-11
NAA16	ENSG00000172766	N(alpha)-acetyltransferase 16, NatA auxiliary subunit [Source:HGNC Symbol;Acc:26164]	1.35	1.9E-11
CLUAP1	ENSG00000103351	clusterin associated protein 1 [Source:HGNC Symbol;Acc:19009]	1.56	1.9E-11
HDDC3	ENSG00000184508	HD domain containing 3 [Source:HGNC Symbol;Acc:30522]	1.33	2.0E-11
--	ENSG00000247903	--	2.13	2.0E-11

TTC26	ENSG00000105948	tetratricopeptide repeat domain 26 [Source:HGNC Symbol;Acc:21882]	2.07	2.0E-11
NNT-AS1	ENSG00000248092	NNT antisense RNA 1 [Source:HGNC Symbol;Acc:49005]	1.38	2.0E-11
UMPS	ENSG00000114491	uridine monophosphate synthetase [Source:HGNC Symbol;Acc:12563]	0.95	2.1E-11
GLA	ENSG00000102393	galactosidase, alpha [Source:HGNC Symbol;Acc:4296]	0.90	2.1E-11
PUS1	ENSG00000177192	pseudouridylate synthase 1 [Source:HGNC Symbol;Acc:15508]	1.63	2.1E-11
GPAM	ENSG00000119927	glycerol-3-phosphate acyltransferase, mitochondrial [Source:HGNC Symbol;Acc:24865]	1.63	2.2E-11
GPR63	ENSG00000112218	G protein-coupled receptor 63 [Source:HGNC Symbol;Acc:13302]	3.82	2.3E-11
PHB	ENSG00000167085	prohibitin [Source:HGNC Symbol;Acc:8912]	1.15	2.5E-11
DNAH14	ENSG00000185842	dynein, axonemal, heavy chain 14 [Source:HGNC Symbol;Acc:2945]	1.99	2.5E-11
TMEM39B	ENSG00000121775	transmembrane protein 39B [Source:HGNC Symbol;Acc:25510]	1.78	2.6E-11
RNF20	ENSG00000155827	ring finger protein 20, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:10062]	1.29	2.7E-11
PNPLA4	ENSG00000006757	patatin-like phospholipase domain containing 4 [Source:HGNC Symbol;Acc:24887]	0.94	2.7E-11
PCNXL2	ENSG00000135749	pecanex-like 2 (Drosophila) [Source:HGNC Symbol;Acc:8736]	1.23	2.8E-11
SLBP	ENSG00000163950	stem-loop binding protein [Source:HGNC Symbol;Acc:10904]	1.09	2.8E-11
CBX1	ENSG00000108468	chromobox homolog 1 [Source:HGNC Symbol;Acc:1551]	1.28	2.9E-11
CADPS	ENSG00000163618	Ca <sup>++</sup> -dependent secretion activator [Source:HGNC Symbol;Acc:1426]	2.16	2.9E-11
SYCP3	ENSG00000139351	synaptonemal complex protein 3 [Source:HGNC Symbol;Acc:18130]	1.21	3.2E-11
KCNAB2	ENSG00000069424	potassium voltage-gated channel, shaker-related subfamily, beta member 2 [Source:HGNC Symbol;Acc:6229]	1.68	3.4E-11
IGFBP4	ENSG00000141753	insulin-like growth factor binding protein 4 [Source:HGNC Symbol;Acc:5473]	1.20	3.4E-11
MRPS2	ENSG00000122140	mitochondrial ribosomal protein S2 [Source:HGNC Symbol;Acc:14495]	1.44	3.6E-11

NDUFA10	ENSG00000130414	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa [Source:HGNC Symbol;Acc:7684]	0.80	3.6E-11
CD8B	ENSG00000172116	CD8b molecule [Source:HGNC Symbol;Acc:1707]	1.51	3.7E-11
--	ENSG00000257337	--	0.89	3.8E-11
SEH1L	ENSG00000085415	SEH1-like (S. cerevisiae) [Source:HGNC Symbol;Acc:30379]	1.18	4.0E-11
SNRPA	ENSG00000077312	small nuclear ribonucleoprotein polypeptide A [Source:HGNC Symbol;Acc:11151]	1.36	4.0E-11
CCDC159	ENSG00000183401	coiled-coil domain containing 159 [Source:HGNC Symbol;Acc:26996]	1.39	4.1E-11
RCN2	ENSG00000117906	reticulocalbin 2, EF-hand calcium binding domain [Source:HGNC Symbol;Acc:9935]	1.50	4.2E-11
ANAPC7	ENSG00000196510	anaphase promoting complex subunit 7 [Source:HGNC Symbol;Acc:17380]	1.14	4.3E-11
TTC21B	ENSG00000123607	tetratricopeptide repeat domain 21B [Source:HGNC Symbol;Acc:25660]	1.40	4.3E-11
IFT46	ENSG00000118096	intraflagellar transport 46 homolog (Chlamydomonas) [Source:HGNC Symbol;Acc:26146]	1.74	4.4E-11
RRP9	ENSG00000114767	ribosomal RNA processing 9, small subunit (SSU) processome component, homolog (yeast) [Source:HGNC Symbol;Acc:16829]	1.60	4.4E-11
--	ENSG00000269131	--	1.03	4.8E-11
FBXO4	ENSG00000151876	F-box protein 4 [Source:HGNC Symbol;Acc:13583]	2.06	5.0E-11
ARV1	ENSG00000173409	ARV1 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:29561]	1.30	5.0E-11
APTX	ENSG00000137074	aprataxin [Source:HGNC Symbol;Acc:15984]	0.96	5.1E-11
--	ENSG00000269534	--	2.73	5.2E-11
CISD1	ENSG00000122873	CDGSH iron sulfur domain 1 [Source:HGNC Symbol;Acc:30880]	1.47	5.2E-11
ING5	ENSG00000168395	inhibitor of growth family, member 5 [Source:HGNC Symbol;Acc:19421]	1.42	5.2E-11
ZNF204P	ENSG00000204789	zinc finger protein 204, pseudogene [Source:HGNC Symbol;Acc:12995]	2.74	5.3E-11



NKD2	ENSG00000145506	naked cuticle homolog 2 (Drosophila) [Source:HGNC Symbol;Acc:17046]	2.76	5.4E-11
PGAP2	ENSG00000148985	post-GPI attachment to proteins 2 [Source:HGNC Symbol;Acc:17893]	1.28	5.6E-11
ICT1	ENSG00000167862	immature colon carcinoma transcript 1 [Source:HGNC Symbol;Acc:5359]	1.03	5.6E-11
NMU	ENSG00000109255	neuromedin U [Source:HGNC Symbol;Acc:7859]	1.76	5.6E-11
GSTM4	ENSG00000168765	glutathione S-transferase mu 4 [Source:HGNC Symbol;Acc:4636]	1.55	5.7E-11
RIPPLY3	ENSG00000183145	rippy transcriptional repressor 3 [Source:HGNC Symbol;Acc:3047]	4.33	5.8E-11
SS18L2	ENSG00000008324	synovial sarcoma translocation gene on chromosome 18-like 2 [Source:HGNC Symbol;Acc:15593]	1.12	5.8E-11
MTPAP	ENSG00000107951	mitochondrial poly(A) polymerase [Source:HGNC Symbol;Acc:25532]	1.17	5.8E-11
SPATA33	ENSG00000167523	spermatogenesis associated 33 [Source:HGNC Symbol;Acc:26463]	1.32	5.8E-11
RDM1	ENSG00000187456	RAD52 motif 1 [Source:HGNC Symbol;Acc:19950]	4.34	6.0E-11
--	ENSG00000258378	--	2.12	6.0E-11
SRSF7	ENSG00000115875	serine/arginine-rich splicing factor 7 [Source:HGNC Symbol;Acc:10789]	0.86	6.1E-11
TOR3A	ENSG00000186283	torsin family 3, member A [Source:HGNC Symbol;Acc:11997]	1.20	6.2E-11
ZNF775	ENSG00000196456	zinc finger protein 775 [Source:HGNC Symbol;Acc:28501]	2.44	6.5E-11
ESD	ENSG00000139684	esterase D [Source:HGNC Symbol;Acc:3465]	1.08	6.6E-11
CCT6A	ENSG00000146731	chaperonin containing TCP1, subunit 6A (zeta 1) [Source:HGNC Symbol;Acc:1620]	0.94	6.6E-11
--	ENSG00000253161	--	2.72	6.7E-11
CD320	ENSG00000167775	CD320 molecule [Source:HGNC Symbol;Acc:16692]	1.44	6.9E-11
UBR7	ENSG00000012963	ubiquitin protein ligase E3 component n-recognin 7 (putative) [Source:HGNC Symbol;Acc:20344]	1.03	6.9E-11
PDCD2L	ENSG00000126249	programmed cell death 2-like [Source:HGNC Symbol;Acc:28194]	1.86	7.1E-11
NUDT16P1	ENSG00000246082	nudix (nucleoside diphosphate linked moiety X)-type motif 16 pseudogene 1 [Source:HGNC Symbol;Acc:27189]	1.42	7.2E-11

EIF3F	ENSG00000175390	eukaryotic translation initiation factor 3, subunit F [Source:HGNC Symbol;Acc:3275]	0.78	7.2E-11
TRMT12	ENSG00000183665	tRNA methyltransferase 12 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:26091]	1.27	7.3E-11
C3orf33	ENSG00000174928	chromosome 3 open reading frame 33 [Source:HGNC Symbol;Acc:26434]	1.72	7.3E-11
TARS2	ENSG00000143374	threonyl-tRNA synthetase 2, mitochondrial (putative) [Source:HGNC Symbol;Acc:30740]	1.13	7.3E-11
NSUN5P1	ENSG00000223705	NOP2/Sun domain family, member 5 pseudogene 1 [Source:HGNC Symbol;Acc:19146]	1.15	7.4E-11
CIRH1A	ENSG00000141076	cirrhosis, autosomal recessive 1A (cirhin) [Source:HGNC Symbol;Acc:1983]	1.33	7.8E-11
MRPL36	ENSG00000171421	mitochondrial ribosomal protein L36 [Source:HGNC Symbol;Acc:14490]	1.19	7.8E-11
NOL11	ENSG00000130935	nucleolar protein 11 [Source:HGNC Symbol;Acc:24557]	1.25	7.9E-11
BYSL	ENSG00000112578	bystin-like [Source:HGNC Symbol;Acc:1157]	1.44	8.0E-11
ZC3HC1	ENSG00000091732	zinc finger, C3HC-type containing 1 [Source:HGNC Symbol;Acc:29913]	1.57	8.0E-11
ZNF90	ENSG00000213988	zinc finger protein 90 [Source:HGNC Symbol;Acc:13165]	2.26	8.1E-11
ZNF22	ENSG00000165512	zinc finger protein 22 [Source:HGNC Symbol;Acc:13012]	1.53	8.4E-11
DPH6	ENSG00000134146	diphthamine biosynthesis 6 [Source:HGNC Symbol;Acc:30543]	1.41	8.5E-11
LINC00888	ENSG00000240024	long intergenic non-protein coding RNA 888 [Source:HGNC Symbol;Acc:48575]	2.14	8.7E-11
--	ENSG00000266642	--	1.97	9.0E-11
GRPEL2	ENSG00000164284	GrpE-like 2, mitochondrial ( <i>E. coli</i> ) [Source:HGNC Symbol;Acc:21060]	1.24	9.0E-11
FAF1	ENSG00000185104	Fas (TNFRSF6) associated factor 1 [Source:HGNC Symbol;Acc:3578]	1.02	9.4E-11
CCDC138	ENSG00000163006	coiled-coil domain containing 138 [Source:HGNC Symbol;Acc:26531]	2.17	9.5E-11
SURF6	ENSG00000148296	surfeit 6 [Source:HGNC Symbol;Acc:11478]	1.29	9.8E-11
GMPS	ENSG00000163655	guanine monophosphate synthase [Source:HGNC Symbol;Acc:4378]	1.12	9.9E-11

CMTM8	ENSG00000170293	CKLF-like MARVEL transmembrane domain containing 8 [Source:HGNC Symbol;Acc:19179]	1.20	1.0E-10
THEM4	ENSG00000159445	thioesterase superfamily member 4 [Source:HGNC Symbol;Acc:17947]	1.19	1.0E-10
ARHGEF19	ENSG00000142632	Rho guanine nucleotide exchange factor (GEF) 19 [Source:HGNC Symbol;Acc:26604]	1.50	1.0E-10
--	ENSG00000270605	--	2.14	1.1E-10
SNHG8	ENSG00000269893	small nucleolar RNA host gene 8 (non-protein coding) [Source:HGNC Symbol;Acc:33098]	1.25	1.1E-10
CEP192	ENSG00000101639	centrosomal protein 192kDa [Source:HGNC Symbol;Acc:25515]	1.18	1.1E-10
HNRNPA1L2	ENSG00000139675	heterogeneous nuclear ribonucleoprotein A1-like 2 [Source:HGNC Symbol;Acc:27067]	2.15	1.1E-10
CTPS1	ENSG00000171793	CTP synthase 1 [Source:HGNC Symbol;Acc:2519]	1.27	1.1E-10
TAF15	ENSG00000172660	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 68kDa [Source:HGNC Symbol;Acc:11547]	0.86	1.2E-10
CREB3L4	ENSG00000143578	cAMP responsive element binding protein 3-like 4 [Source:HGNC Symbol;Acc:18854]	1.84	1.2E-10
C6orf57	ENSG00000154079	chromosome 6 open reading frame 57 [Source:HGNC Symbol;Acc:20957]	1.50	1.2E-10
EPB41L4A-AS1	ENSG00000224032	EPB41L4A antisense RNA 1 [Source:HGNC Symbol;Acc:30749]	1.56	1.2E-10
GLIS3	ENSG00000107249	GLIS family zinc finger 3 [Source:HGNC Symbol;Acc:28510]	1.28	1.3E-10
POLR2D	ENSG00000144231	polymerase (RNA) II (DNA directed) polypeptide D [Source:HGNC Symbol;Acc:9191]	1.10	1.3E-10
RPF2	ENSG00000197498	ribosome production factor 2 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:20870]	1.21	1.4E-10
NCKAP5L	ENSG00000167566	NCK-associated protein 5-like [Source:HGNC Symbol;Acc:29321]	1.92	1.4E-10
CEP57	ENSG00000166037	centrosomal protein 57kDa [Source:HGNC Symbol;Acc:30794]	1.36	1.4E-10
MTHFD1L	ENSG00000120254	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like [Source:HGNC Symbol;Acc:21055]	1.49	1.4E-10

ZNF330	ENSG00000109445	zinc finger protein 330 [Source:HGNC Symbol;Acc:15462]	1.03	1.4E-10
		natural killer cell cytotoxicity receptor 3 ligand 1 [Source:HGNC		
NCR3LG1	ENSG00000188211	Symbol;Acc:42400]	1.72	1.5E-10
--	ENSG00000259049	--	1.02	1.5E-10
--	ENSG00000253716	--	1.80	1.5E-10
		Uncharacterized protein C2orf15 [Source:UniProtKB/Swiss-		
--	ENSG00000273045	Prot;Acc:Q8WU43]	2.38	1.5E-10
--	ENSG00000260822	--	1.60	1.5E-10
--	ENSG00000254343	--	4.08	1.5E-10
MCF2L-AS1	ENSG00000235280	MCF2L antisense RNA 1 [Source:HGNC Symbol;Acc:39825]	3.40	1.6E-10
		alkB, alkylation repair homolog 8 (E. coli) [Source:HGNC		
ALKBH8	ENSG00000137760	Symbol;Acc:25189]	1.59	1.7E-10
		mitochondrial ribosomal protein L13 [Source:HGNC		
MRPL13	ENSG00000172172	Symbol;Acc:14278]	1.08	1.7E-10
--	ENSG00000231851	--	1.46	1.7E-10
GKAP1	ENSG00000165113	G kinase anchoring protein 1 [Source:HGNC Symbol;Acc:17496]	2.31	1.8E-10
		MCF.2 cell line derived transforming sequence-like [Source:HGNC		
MCF2L	ENSG00000126217	Symbol;Acc:14576]	1.69	1.8E-10
		clustered mitochondria (cluA/CLU1) homolog [Source:HGNC		
CLUH	ENSG00000132361	Symbol;Acc:29094]	1.55	1.8E-10
		DEAD (Asp-Glu-Ala-Asp) box polypeptide 28 [Source:HGNC		
DDX28	ENSG00000182810	Symbol;Acc:17330]	1.44	1.9E-10
		chromosome 1 open reading frame 112 [Source:HGNC		
C1orf112	ENSG00000000460	Symbol;Acc:25565]	0.97	1.9E-10
--	ENSG00000267321	--	2.04	1.9E-10
		chromosome 2 open reading frame 44 [Source:HGNC		
C2orf44	ENSG00000163026	Symbol;Acc:26157]	1.69	2.0E-10
--	ENSG00000225241	--	1.69	2.0E-10
ZNF48	ENSG00000180035	zinc finger protein 48 [Source:HGNC Symbol;Acc:13114]	1.26	2.0E-10

SMIM4	ENSG00000168273	small integral membrane protein 4 [Source:HGNC Symbol;Acc:37257] processing of precursor 1, ribonuclease P/MRP subunit ( <i>S. cerevisiae</i> )	1.35	2.1E-10
POP1	ENSG00000104356	[Source:HGNC Symbol;Acc:30129] AT rich interactive domain 5B (MRF1-like) [Source:HGNC	1.18	2.1E-10
ARID5B	ENSG00000150347	Symbol;Acc:17362] cytochrome P450, family 2, subfamily U, polypeptide 1 [Source:HGNC	1.97	2.1E-10
CYP2U1	ENSG00000155016	Symbol;Acc:20582]	3.16	2.2E-10
USP36	ENSG00000055483	ubiquitin specific peptidase 36 [Source:HGNC Symbol;Acc:20062] tryptophanyl tRNA synthetase 2, mitochondrial [Source:HGNC	1.20	2.3E-10
WARS2	ENSG00000116874	Symbol;Acc:12730]	1.14	2.3E-10
LRRC45	ENSG00000169683	leucine rich repeat containing 45 [Source:HGNC Symbol;Acc:28302]	1.56	2.3E-10
--	ENSG00000235560	--	1.98	2.3E-10
--	ENSG00000204872	--	2.37	2.4E-10
MRPS23	ENSG00000181610	mitochondrial ribosomal protein S23 [Source:HGNC Symbol;Acc:14509]	1.20	2.4E-10
SSBP1	ENSG00000106028	single-stranded DNA binding protein 1, mitochondrial [Source:HGNC Symbol;Acc:11317]	0.83	2.4E-10
DZIP3	ENSG00000198919	DAZ interacting zinc finger protein 3 [Source:HGNC Symbol;Acc:30938]	1.78	2.4E-10
RHOBTB3	ENSG00000164292	Rho-related BTB domain containing 3 [Source:HGNC Symbol;Acc:18757]	1.18	2.6E-10
TRIM65	ENSG00000141569	tripartite motif containing 65 [Source:HGNC Symbol;Acc:27316] dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4	1.02	2.7E-10
DYRK4	ENSG00000010219	[Source:HGNC Symbol;Acc:3095] centriole, cilia and spindle-associated protein [Source:HGNC	1.48	2.7E-10
CCSAP	ENSG00000154429	Symbol;Acc:29578] RAB40B, member RAS oncogene family [Source:HGNC	1.53	2.8E-10
RAB40B	ENSG00000141542	Symbol;Acc:18284]	0.96	2.8E-10
RPL14	ENSG00000188846	ribosomal protein L14 [Source:HGNC Symbol;Acc:10305]	1.10	2.9E-10

RPS20	ENSG00000008988	ribosomal protein S20 [Source:HGNC Symbol;Acc:10405]	1.13	2.9E-10
ORC5	ENSG00000164815	origin recognition complex, subunit 5 [Source:HGNC Symbol;Acc:8491]	1.14	2.9E-10
SHQ1	ENSG00000144736	SHQ1, H/ACA ribonucleoprotein assembly factor [Source:HGNC Symbol;Acc:25543]	1.23	3.0E-10
--	ENSG00000255959	--	1.75	3.0E-10
PYURF	ENSG00000145337	PIGY upstream reading frame [Source:HGNC Symbol;Acc:44317]	1.13	3.0E-10
MKS1	ENSG00000011143	Meckel syndrome, type 1 [Source:HGNC Symbol;Acc:7121]	1.23	3.0E-10
RPL31	ENSG00000071082	ribosomal protein L31 [Source:HGNC Symbol;Acc:10334]	0.96	3.0E-10
DMRTA2	ENSG00000142700	DMRT-like family A2 [Source:HGNC Symbol;Acc:13908]	3.01	3.1E-10
RANBP17	ENSG00000204764	RAN binding protein 17 [Source:HGNC Symbol;Acc:14428]	1.50	3.1E-10
EFTUD2	ENSG00000108883	elongation factor Tu GTP binding domain containing 2 [Source:HGNC Symbol;Acc:30858]	0.87	3.2E-10
C9orf142	ENSG00000148362	chromosome 9 open reading frame 142 [Source:HGNC Symbol;Acc:27849]	2.17	3.2E-10
ZNF275	ENSG00000063587	zinc finger protein 275 [Source:HGNC Symbol;Acc:13069]	1.36	3.3E-10
CBR4	ENSG00000145439	carbonyl reductase 4 [Source:HGNC Symbol;Acc:25891]	1.05	3.3E-10
RPS13	ENSG00000110700	ribosomal protein S13 [Source:HGNC Symbol;Acc:10386]	1.01	3.3E-10
TMEM192	ENSG00000170088	transmembrane protein 192 [Source:HGNC Symbol;Acc:26775]	1.59	3.5E-10
ARL14EP	ENSG00000152219	ADP-ribosylation factor-like 14 effector protein [Source:HGNC Symbol;Acc:26798]	1.27	3.6E-10
--	ENSG00000272189	--	1.86	3.8E-10
LPAR6	ENSG00000139679	lysophosphatidic acid receptor 6 [Source:HGNC Symbol;Acc:15520]	2.45	3.8E-10
SAC3D1	ENSG00000168061	SAC3 domain containing 1 [Source:HGNC Symbol;Acc:30179]	1.60	3.9E-10
RCC1	ENSG00000180198	regulator of chromosome condensation 1 [Source:HGNC Symbol;Acc:1913]	0.90	3.9E-10
BANF1	ENSG00000175334	barrier to autointegration factor 1 [Source:HGNC Symbol;Acc:17397]	1.05	4.0E-10
GNPNAT1	ENSG00000100522	glucosamine-phosphate N-acetyltransferase 1 [Source:HGNC Symbol;Acc:19980]	1.11	4.0E-10

ZBED3	ENSG00000132846	zinc finger, BED-type containing 3 [Source:HGNC Symbol;Acc:20711]	1.47	4.1E-10
TMEM67	ENSG00000164953	transmembrane protein 67 [Source:HGNC Symbol;Acc:28396]	1.87	4.1E-10
GTPBP4	ENSG00000107937	GTP binding protein 4 [Source:HGNC Symbol;Acc:21535]	0.91	4.1E-10
CSPP1	ENSG00000104218	centrosome and spindle pole associated protein 1 [Source:HGNC Symbol;Acc:26193]	1.32	4.2E-10
ECSIT	ENSG00000130159	ECSIT signalling integrator [Source:HGNC Symbol;Acc:29548]	1.49	4.2E-10
TTC8	ENSG00000165533	tetratricopeptide repeat domain 8 [Source:HGNC Symbol;Acc:20087]	1.62	4.3E-10
NSA2	ENSG00000164346	NSA2 ribosome biogenesis homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:30728]	1.15	4.3E-10
ACADM	ENSG00000117054	acyl-CoA dehydrogenase, C-4 to C-12 straight chain [Source:HGNC Symbol;Acc:89]	1.53	4.3E-10
ERMER34-1	ENSG00000226887	endogenous retrovirus group MER34, member 1 [Source:HGNC Symbol;Acc:42970]	2.59	4.4E-10
RAB26	ENSG00000167964	RAB26, member RAS oncogene family [Source:HGNC Symbol;Acc:14259]	2.04	4.4E-10
AARS2	ENSG00000124608	alanyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:21022]	1.51	4.6E-10
RPS7	ENSG00000171863	ribosomal protein S7 [Source:HGNC Symbol;Acc:10440]	1.03	4.6E-10
CPVL	ENSG00000106066	carboxypeptidase, vitellogenic-like [Source:HGNC Symbol;Acc:14399]	1.35	4.6E-10
HOXA9	ENSG00000078399	homeobox A9 [Source:HGNC Symbol;Acc:5109]	1.34	4.7E-10
UTP18	ENSG00000011260	UTP18 small subunit (SSU) processome component homolog (yeast) [Source:HGNC Symbol;Acc:24274]	1.13	4.7E-10
--	ENSG00000261188	--	2.19	4.8E-10
RPL35A	ENSG00000182899	ribosomal protein L35a [Source:HGNC Symbol;Acc:10345]	0.99	5.0E-10
DHRS13	ENSG00000167536	dehydrogenase/reductase (SDR family) member 13 [Source:HGNC Symbol;Acc:28326]	1.93	5.0E-10
RPGRIP1L	ENSG00000103494	RPGRIP1-like [Source:HGNC Symbol;Acc:29168]	1.74	5.1E-10
GPALPP1	ENSG00000133114	GPALPP motifs containing 1 [Source:HGNC Symbol;Acc:20298]	1.10	5.2E-10

C21orf33	ENSG00000160221	chromosome 21 open reading frame 33 [Source:HGNC Symbol;Acc:1273]	0.96	5.3E-10
DHODH	ENSG00000102967	dihydroorotate dehydrogenase (quinone) [Source:HGNC Symbol;Acc:2867]	2.37	5.4E-10
LSG1	ENSG00000041802	large 60S subunit nuclear export GTPase 1 [Source:HGNC Symbol;Acc:25652]	0.94	5.5E-10
ATP6V0A2	ENSG00000185344	ATPase, H <sup>+</sup> transporting, lysosomal V0 subunit a2 [Source:HGNC Symbol;Acc:18481]	1.05	5.5E-10
SPTSSB	ENSG00000196542	serine palmitoyltransferase, small subunit B [Source:HGNC Symbol;Acc:24045]	1.48	5.5E-10
DDX19A	ENSG00000168872	DEAD (Asp-Glu-Ala-Asp) box polypeptide 19A [Source:HGNC Symbol;Acc:25628]	1.13	5.6E-10
TOMM7	ENSG00000196683	translocase of outer mitochondrial membrane 7 homolog (yeast) [Source:HGNC Symbol;Acc:21648]	0.92	5.8E-10
--	ENSG00000272910	--	1.23	6.0E-10
SRM	ENSG00000116649	spermidine synthase [Source:HGNC Symbol;Acc:11296]	1.89	6.1E-10
ZNF248	ENSG00000198105	zinc finger protein 248 [Source:HGNC Symbol;Acc:13041]	1.39	6.2E-10
HSD17B10	ENSG00000072506	hydroxysteroid (17-beta) dehydrogenase 10 [Source:HGNC Symbol;Acc:4800]	1.18	6.5E-10
CD27-AS1	ENSG00000215039	CD27 antisense RNA 1 [Source:HGNC Symbol;Acc:43896]	1.11	6.5E-10
MAD2L2	ENSG00000116670	MAD2 mitotic arrest deficient-like 2 (yeast) [Source:HGNC Symbol;Acc:6764]	1.88	6.5E-10
VMA21	ENSG00000160131	VMA21 vacuolar H <sup>+</sup> -ATPase homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:22082]	1.00	6.5E-10
LIMK2	ENSG00000182541	LIM domain kinase 2 [Source:HGNC Symbol;Acc:6614]	1.06	6.5E-10
MRPS18B	ENSG00000204568	mitochondrial ribosomal protein S18B [Source:HGNC Symbol;Acc:14516]	0.86	6.6E-10
NOL10	ENSG00000115761	nucleolar protein 10 [Source:HGNC Symbol;Acc:25862]	1.21	6.8E-10
COL9A3	ENSG00000092758	collagen, type IX, alpha 3 [Source:HGNC Symbol;Acc:2219]	1.97	6.8E-10



FMNL3	ENSG00000161791	formin-like 3 [Source:HGNC Symbol;Acc:23698]	1.63	6.8E-10
CNTNAP2	ENSG00000174469	contactin associated protein-like 2 [Source:HGNC Symbol;Acc:13830]	1.70	6.9E-10
MINPP1	ENSG00000107789	multiple inositol-polyphosphate phosphatase 1 [Source:HGNC Symbol;Acc:7102]	1.24	7.0E-10
CDKN2AIPNL	ENSG00000237190	CDKN2A interacting protein N-terminal like [Source:HGNC Symbol;Acc:30545]	1.14	7.1E-10
MRPL32	ENSG00000106591	mitochondrial ribosomal protein L32 [Source:HGNC Symbol;Acc:14035]	0.94	7.2E-10
AGO1	ENSG00000092847	argonaute RISC catalytic component 1 [Source:HGNC Symbol;Acc:3262]	1.05	7.3E-10
--	ENSG00000257742	--	1.68	7.4E-10
--	ENSG00000260874	--	2.15	7.5E-10
COPG2	ENSG00000158623	coatamer protein complex, subunit gamma 2 [Source:HGNC Symbol;Acc:2237]	1.24	7.8E-10
--	ENSG00000250615	--	1.59	7.9E-10
AIFM3	ENSG00000183773	apoptosis-inducing factor, mitochondrion-associated, 3 [Source:HGNC Symbol;Acc:26398]	1.64	8.0E-10
RYR2	ENSG00000198626	ryanodine receptor 2 (cardiac) [Source:HGNC Symbol;Acc:10484]	2.35	8.0E-10
EPHB3	ENSG00000182580	EPH receptor B3 [Source:HGNC Symbol;Acc:3394]	1.95	8.3E-10
TSPYL4	ENSG00000187189	TSPY-like 4 [Source:HGNC Symbol;Acc:21559]	1.25	8.3E-10
DHX40	ENSG00000108406	DEAH (Asp-Glu-Ala-His) box polypeptide 40 [Source:HGNC Symbol;Acc:18018]	1.17	8.3E-10
GPRC5B	ENSG00000167191	G protein-coupled receptor, family C, group 5, member B [Source:HGNC Symbol;Acc:13308]	1.30	8.7E-10
DSN1	ENSG00000149636	DSN1, MIS12 kinetochore complex component [Source:HGNC Symbol;Acc:16165]	0.95	8.7E-10
PHKA2	ENSG00000044446	phosphorylase kinase, alpha 2 (liver) [Source:HGNC Symbol;Acc:8926]	1.46	8.8E-10

TRMT61B	ENSG00000171103	tRNA methyltransferase 61 homolog B ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:26070]	1.46	8.9E-10
RETNLB	ENSG00000163515	resistin like beta [Source:HGNC Symbol;Acc:20388]	4.14	9.2E-10
COPRS	ENSG00000172301	coordinator of PRMT5, differentiation stimulator [Source:HGNC Symbol;Acc:28848]	1.18	9.3E-10
GRB14	ENSG00000115290	growth factor receptor-bound protein 14 [Source:HGNC Symbol;Acc:4565]	2.63	9.4E-10
SUV39H1	ENSG00000101945	suppressor of variegation 3-9 homolog 1 ( <i>Drosophila</i> ) [Source:HGNC Symbol;Acc:11479]	1.18	9.5E-10
NOP14	ENSG00000087269	NOP14 nucleolar protein [Source:HGNC Symbol;Acc:16821]	1.08	9.6E-10
ISOC2	ENSG00000063241	isochorismatase domain containing 2 [Source:HGNC Symbol;Acc:26278]	1.52	9.6E-10
B3GNT1	ENSG00000174684	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1 [Source:HGNC Symbol;Acc:15685]	1.15	9.9E-10
TRMT61A	ENSG00000166166	tRNA methyltransferase 61 homolog A ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:23790]	1.76	1.0E-09
FAM72D	ENSG00000215784	family with sequence similarity 72, member D [Source:HGNC Symbol;Acc:33593]	3.78	1.0E-09
PRKAG2-AS1	ENSG00000239911	PRKAG2 antisense RNA 1 [Source:HGNC Symbol;Acc:40468]	4.36	1.0E-09
--	ENSG00000256364	--	1.96	1.0E-09
CYB5RL	ENSG00000215883	cytochrome b5 reductase-like [Source:HGNC Symbol;Acc:32220]	3.16	1.1E-09
TBC1D16	ENSG00000167291	TBC1 domain family, member 16 [Source:HGNC Symbol;Acc:28356]	1.08	1.1E-09
--	ENSG00000247796	--	3.07	1.1E-09
HNRNPC	ENSG00000092199	heterogeneous nuclear ribonucleoprotein C (C1/C2) [Source:HGNC Symbol;Acc:5035]	0.83	1.1E-09
--	ENSG00000255135	--	2.36	1.1E-09
CTTNBP2	ENSG00000077063	cortactin binding protein 2 [Source:HGNC Symbol;Acc:15679]	2.41	1.2E-09
RPL7L1	ENSG00000146223	ribosomal protein L7-like 1 [Source:HGNC Symbol;Acc:21370]	0.90	1.2E-09
--	ENSG00000235257	--	1.82	1.2E-09

ANAPC15	ENSG00000110200	anaphase promoting complex subunit 15 [Source:HGNC Symbol;Acc:24531]	1.06	1.2E-09
C14orf142	ENSG00000170270	chromosome 14 open reading frame 142 [Source:HGNC Symbol;Acc:20356]	1.34	1.2E-09
LRRC34	ENSG00000171757	leucine rich repeat containing 34 [Source:HGNC Symbol;Acc:28408]	2.58	1.2E-09
ZNF670	ENSG00000135747	zinc finger protein 670 [Source:HGNC Symbol;Acc:28167]	1.51	1.2E-09
CCNE2	ENSG00000175305	cyclin E2 [Source:HGNC Symbol;Acc:1590]	1.18	1.3E-09
ELP2	ENSG00000134759	elongator acetyltransferase complex subunit 2 [Source:HGNC Symbol;Acc:18248]	0.93	1.3E-09
ILF3-AS1	ENSG00000267100	ILF3 antisense RNA 1 (head to head) [Source:HGNC Symbol;Acc:27115]	1.46	1.3E-09
MRPS17	ENSG00000239789	mitochondrial ribosomal protein S17 [Source:HGNC Symbol;Acc:14047]	1.81	1.3E-09
ITGAE	ENSG00000083457	integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide) [Source:HGNC Symbol;Acc:6147]	1.41	1.3E-09
SLC19A3	ENSG00000135917	solute carrier family 19 (thiamine transporter), member 3 [Source:HGNC Symbol;Acc:16266]	3.84	1.3E-09
TFRC	ENSG00000072274	transferrin receptor [Source:HGNC Symbol;Acc:11763]	1.12	1.4E-09
DDX56	ENSG00000136271	DEAD (Asp-Glu-Ala-Asp) box helicase 56 [Source:HGNC Symbol;Acc:18193]	0.87	1.4E-09
--	ENSG00000256813	--	1.79	1.4E-09
RRP12	ENSG00000052749	ribosomal RNA processing 12 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:29100]	1.51	1.4E-09
EPB41L4A	ENSG00000129595	erythrocyte membrane protein band 4.1 like 4A [Source:HGNC Symbol;Acc:13278]	1.90	1.5E-09
MIR17HG	ENSG00000215417	miR-17-92 cluster host gene (non-protein coding) [Source:HGNC Symbol;Acc:23564]	1.62	1.5E-09
RPS18	ENSG00000231500	ribosomal protein S18 [Source:HGNC Symbol;Acc:10401]	1.13	1.5E-09

BZRAP1	ENSG00000005379	benzodiazepine receptor (peripheral) associated protein 1 [Source:HGNC Symbol;Acc:16831]	3.10	1.5E-09
--	ENSG00000272335	--	1.81	1.5E-09
TCFL5	ENSG00000101190	transcription factor-like 5 (basic helix-loop-helix) [Source:HGNC Symbol;Acc:11646]	1.19	1.5E-09
GMDS	ENSG00000112699	GDP-mannose 4,6-dehydratase [Source:HGNC Symbol;Acc:4369]	1.06	1.6E-09
ARHGEF19-A	ENSG00000234166	ARHGEF19 antisense RNA 1 [Source:HGNC Symbol;Acc:39996]	1.86	1.6E-09
TRIT1	ENSG00000043514	tRNA isopentenyltransferase 1 [Source:HGNC Symbol;Acc:20286]	1.10	1.6E-09
CHIC1	ENSG00000204116	cysteine-rich hydrophobic domain 1 [Source:HGNC Symbol;Acc:1934]	1.59	1.7E-09
MARCH9	ENSG00000139266	membrane-associated ring finger (C3HC4) 9 [Source:HGNC Symbol;Acc:25139]	1.21	1.7E-09
TONSL	ENSG00000160949	tonsoku-like, DNA repair protein [Source:HGNC Symbol;Acc:7801]	1.65	1.8E-09
CD3EAP	ENSG00000117877	CD3e molecule, epsilon associated protein [Source:HGNC Symbol;Acc:24219]	1.26	1.8E-09
--	ENSG00000228989	--	2.18	1.8E-09
WBSCR22	ENSG00000071462	Williams Beuren syndrome chromosome region 22 [Source:HGNC Symbol;Acc:16405]	1.02	1.8E-09
LYSMD2	ENSG00000140280	LysM, putative peptidoglycan-binding, domain containing 2 [Source:HGNC Symbol;Acc:28571]	1.63	1.9E-09
CCDC104	ENSG00000163001	coiled-coil domain containing 104 [Source:HGNC Symbol;Acc:30540]	1.02	1.9E-09
JAM3	ENSG00000166086	junctional adhesion molecule 3 [Source:HGNC Symbol;Acc:15532]	2.71	1.9E-09
MAK16	ENSG00000198042	MAK16 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:13703]	1.15	2.1E-09
ENAH	ENSG00000154380	enabled homolog ( <i>Drosophila</i> ) [Source:HGNC Symbol;Acc:18271]	1.33	2.1E-09
SRFBP1	ENSG00000151304	serum response factor binding protein 1 [Source:HGNC Symbol;Acc:26333]	1.89	2.1E-09
ENOPH1	ENSG00000145293	enolase-phosphatase 1 [Source:HGNC Symbol;Acc:24599]	1.02	2.1E-09
DNASE1	ENSG00000213918	deoxyribonuclease I [Source:HGNC Symbol;Acc:2956]	1.12	2.2E-09
DHX9	ENSG00000135829	DEAH (Asp-Glu-Ala-His) box helicase 9 [Source:HGNC Symbol;Acc:2750]	0.80	2.2E-09

LIAS	ENSG00000121897	lipoic acid synthetase [Source:HGNC Symbol;Acc:16429]	1.49	2.2E-09
MRS2	ENSG00000124532	MRS2 magnesium transporter [Source:HGNC Symbol;Acc:13785]	1.10	2.3E-09
QDPR	ENSG00000151552	quinoid dihydropteridine reductase [Source:HGNC Symbol;Acc:9752]	0.98	2.3E-09
GSTA4	ENSG00000170899	glutathione S-transferase alpha 4 [Source:HGNC Symbol;Acc:4629]	1.19	2.3E-09
TMEM147	ENSG00000105677	transmembrane protein 147 [Source:HGNC Symbol;Acc:30414]	1.14	2.4E-09
STAMBPL1	ENSG00000138134	STAM binding protein-like 1 [Source:HGNC Symbol;Acc:24105]	0.95	2.4E-09
KBTBD7	ENSG00000120696	kelch repeat and BTB (POZ) domain containing 7 [Source:HGNC Symbol;Acc:25266]	1.65	2.4E-09
TP53BP1	ENSG00000067369	tumor protein p53 binding protein 1 [Source:HGNC Symbol;Acc:11999]	0.97	2.5E-09
MECR	ENSG00000116353	mitochondrial trans-2-enoyl-CoA reductase [Source:HGNC Symbol;Acc:19691]	1.30	2.5E-09
METTL17	ENSG00000165792	methyltransferase like 17 [Source:HGNC Symbol;Acc:19280]	0.83	2.5E-09
CPSF3	ENSG00000119203	cleavage and polyadenylation specific factor 3, 73kDa [Source:HGNC Symbol;Acc:2326]	0.94	2.6E-09
IARS	ENSG00000196305	isoleucyl-tRNA synthetase [Source:HGNC Symbol;Acc:5330]	1.20	2.6E-09
NUP88	ENSG00000108559	nucleoporin 88kDa [Source:HGNC Symbol;Acc:8067]	0.95	2.7E-09
LEPREL2	ENSG00000110811	leprecan-like 2 [Source:HGNC Symbol;Acc:19318]	1.33	2.7E-09
FBXO41	ENSG00000163013	F-box protein 41 [Source:HGNC Symbol;Acc:29409]	1.32	2.8E-09
PRIMPOL	ENSG00000164306	primase and polymerase (DNA-directed) [Source:HGNC Symbol;Acc:26575]	1.51	2.8E-09
PDSS1	ENSG00000148459	prenyl (decaprenyl) diphosphate synthase, subunit 1 [Source:HGNC Symbol;Acc:17759]	1.01	2.9E-09
FGFR4	ENSG00000160867	fibroblast growth factor receptor 4 [Source:HGNC Symbol;Acc:3691]	1.47	2.9E-09
RPS29	ENSG00000213741	ribosomal protein S29 [Source:HGNC Symbol;Acc:10419]	0.99	3.1E-09
ZZZ3	ENSG00000036549	zinc finger, ZZ-type containing 3 [Source:HGNC Symbol;Acc:24523]	1.24	3.1E-09
GSTM3	ENSG00000134202	glutathione S-transferase mu 3 (brain) [Source:HGNC Symbol;Acc:4635]	0.77	3.1E-09
CDHR1	ENSG00000148600	cadherin-related family member 1 [Source:HGNC Symbol;Acc:14550]	2.34	3.2E-09

MYBL1	ENSG00000185697	v-myb avian myeloblastosis viral oncogene homolog-like 1 [Source:HGNC Symbol;Acc:7547]	2.83	3.2E-09
METTL21A	ENSG00000144401	methyltransferase like 21A [Source:HGNC Symbol;Acc:30476]	1.06	3.2E-09
NIT2	ENSG00000114021	nitrilase family, member 2 [Source:HGNC Symbol;Acc:29878]	1.03	3.3E-09
MRAP	ENSG00000170262	melanocortin 2 receptor accessory protein [Source:HGNC Symbol;Acc:1304]	2.12	3.3E-09
RPL12	ENSG00000197958	ribosomal protein L12 [Source:HGNC Symbol;Acc:10302]	0.96	3.3E-09
WEE1	ENSG00000166483	WEE1 G2 checkpoint kinase [Source:HGNC Symbol;Acc:12761]	1.24	3.3E-09
H2AFX	ENSG00000188486	H2A histone family, member X [Source:HGNC Symbol;Acc:4739]	1.43	3.4E-09
COQ10A	ENSG00000135469	coenzyme Q10 homolog A ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:26515]	1.46	3.4E-09
GIPC2	ENSG00000137960	GIPC PDZ domain containing family, member 2 [Source:HGNC Symbol;Acc:18177]	1.09	3.4E-09
METTL12	ENSG00000214756	methyltransferase like 12 [Source:HGNC Symbol;Acc:33113]	1.36	3.4E-09
C17orf75	ENSG00000108666	chromosome 17 open reading frame 75 [Source:HGNC Symbol;Acc:30173]	1.33	3.4E-09
--	ENSG00000258017	--	0.78	3.4E-09
--	ENSG00000255328	--	2.71	3.4E-09
MRPL19	ENSG00000115364	mitochondrial ribosomal protein L19 [Source:HGNC Symbol;Acc:14052]	1.21	3.5E-09
HOXA11	ENSG00000005073	homeobox A11 [Source:HGNC Symbol;Acc:5101]	1.17	3.5E-09
SERTAD4	ENSG00000082497	SERTA domain containing 4 [Source:HGNC Symbol;Acc:25236]	1.61	3.5E-09
DCAF4	ENSG00000119599	DDB1 and CUL4 associated factor 4 [Source:HGNC Symbol;Acc:20229]	1.07	3.5E-09
EFCAB11	ENSG00000140025	EF-hand calcium binding domain 11 [Source:HGNC Symbol;Acc:20357]	1.68	3.6E-09
TRMT10C	ENSG00000174173	tRNA methyltransferase 10 homolog C ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:26022]	1.19	3.7E-09

NDUFB6	ENSG00000165264	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa [Source:HGNC Symbol;Acc:7701]	1.04	3.7E-09
RTN4RL1	ENSG00000185924	reticulon 4 receptor-like 1 [Source:HGNC Symbol;Acc:21329]	1.33	3.8E-09
UBQLN4	ENSG00000160803	ubiquilin 4 [Source:HGNC Symbol;Acc:1237]	0.94	3.8E-09
HPRT1	ENSG00000165704	hypoxanthine phosphoribosyltransferase 1 [Source:HGNC Symbol;Acc:5157]	1.15	3.9E-09
DCUN1D5	ENSG00000137692	DCN1, defective in cullin neddylation 1, domain containing 5 [Source:HGNC Symbol;Acc:28409]	0.99	4.0E-09
SCFD2	ENSG00000184178	sec1 family domain containing 2 [Source:HGNC Symbol;Acc:30676]	1.70	4.0E-09
NGFRAP1	ENSG00000166681	nerve growth factor receptor (TNFRSF16) associated protein 1 [Source:HGNC Symbol;Acc:13388]	0.91	4.0E-09
HAUS8	ENSG00000131351	HAUS augmin-like complex, subunit 8 [Source:HGNC Symbol;Acc:30532]	1.71	4.0E-09
GLUL	ENSG00000135821	glutamate-ammonia ligase [Source:HGNC Symbol;Acc:4341]	0.71	4.1E-09
ZNF138	ENSG00000197008	zinc finger protein 138 [Source:HGNC Symbol;Acc:12922]	1.27	4.1E-09
GCDH	ENSG00000105607	glutaryl-CoA dehydrogenase [Source:HGNC Symbol;Acc:4189]	1.57	4.1E-09
RAN	ENSG00000132341	RAN, member RAS oncogene family [Source:HGNC Symbol;Acc:9846]	0.73	4.3E-09
TMEM5-AS1	ENSG00000255850	TMEM5 antisense RNA 1 [Source:HGNC Symbol;Acc:48910]	1.82	4.3E-09
MTCH2	ENSG00000109919	mitochondrial carrier 2 [Source:HGNC Symbol;Acc:17587]	0.68	4.3E-09
IQCH-AS1	ENSG00000259673	IQCH antisense RNA 1 [Source:HGNC Symbol;Acc:44104]	1.56	4.4E-09
SH3BP4	ENSG00000130147	SH3-domain binding protein 4 [Source:HGNC Symbol;Acc:10826]	1.09	4.4E-09
ZNF512	ENSG00000243943	zinc finger protein 512 [Source:HGNC Symbol;Acc:29380]	1.02	4.5E-09
ASF1A	ENSG00000111875	anti-silencing function 1A histone chaperone [Source:HGNC Symbol;Acc:20995]	1.11	4.5E-09
ANKS6	ENSG00000165138	ankyrin repeat and sterile alpha motif domain containing 6 [Source:HGNC Symbol;Acc:26724]	0.88	4.5E-09
--	ENSG00000237594	--	3.80	4.7E-09
--	ENSG00000235501	--	2.77	4.7E-09
GPC4	ENSG00000076716	glypican 4 [Source:HGNC Symbol;Acc:4452]	1.19	4.9E-09

--	ENSG00000270933	--	2.22	5.0E-09
GSPT2	ENSG00000189369	G1 to S phase transition 2 [Source:HGNC Symbol;Acc:4622]	1.27	5.0E-09
RPS2	ENSG00000140988	ribosomal protein S2 [Source:HGNC Symbol;Acc:10404]	1.45	5.0E-09
WNT10B	ENSG00000169884	wingless-type MMTV integration site family, member 10B [Source:HGNC Symbol;Acc:12775]	2.40	5.1E-09
CCDC109B	ENSG00000005059	coiled-coil domain containing 109B [Source:HGNC Symbol;Acc:26076]	1.18	5.1E-09
RPL15	ENSG00000174748	ribosomal protein L15 [Source:HGNC Symbol;Acc:10306]	0.87	5.2E-09
XRCC6	ENSG00000196419	X-ray repair complementing defective repair in Chinese hamster cells 6 [Source:HGNC Symbol;Acc:4055]	0.72	5.3E-09
--	ENSG00000257681	--	2.58	5.4E-09
TIGD4	ENSG00000169989	tigger transposable element derived 4 [Source:HGNC Symbol;Acc:18335]	2.64	5.4E-09
CYB5D1	ENSG00000182224	cytochrome b5 domain containing 1 [Source:HGNC Symbol;Acc:26516]	1.26	5.4E-09
TM7SF3	ENSG00000064115	transmembrane 7 superfamily member 3 [Source:HGNC Symbol;Acc:23049]	0.95	5.5E-09
KCNJ11	ENSG00000187486	potassium inwardly-rectifying channel, subfamily J, member 11 [Source:HGNC Symbol;Acc:6257]	3.48	5.5E-09
--	ENSG00000224739	--	2.04	5.6E-09
AGK	ENSG00000006530	acylglycerol kinase [Source:HGNC Symbol;Acc:21869]	1.03	5.6E-09
EHMT2-AS1	ENSG00000237080	EHMT2 antisense RNA 1 [Source:HGNC Symbol;Acc:39751]	1.74	5.6E-09
RHBDL1	ENSG00000103269	rhomboid, veinlet-like 1 (Drosophila) [Source:HGNC Symbol;Acc:10007]	1.94	5.6E-09
GLOD4	ENSG00000167699	glyoxalase domain containing 4 [Source:HGNC Symbol;Acc:14111]	0.79	5.9E-09
POFUT1	ENSG00000101346	protein O-fucosyltransferase 1 [Source:HGNC Symbol;Acc:14988]	0.89	6.0E-09
WNK2	ENSG00000165238	WNK lysine deficient protein kinase 2 [Source:HGNC Symbol;Acc:14542]	1.11	6.2E-09



ALG1L	ENSG00000189366	ALG1, chitobiosyldiphosphodolichol beta-mannosyltransferase-like [Source:HGNC Symbol;Acc:33721]	1.38	6.2E-09
MGST2	ENSG00000085871	microsomal glutathione S-transferase 2 [Source:HGNC Symbol;Acc:7063]	0.98	6.2E-09
MPHOSPH10	ENSG00000124383	M-phase phosphoprotein 10 (U3 small nucleolar ribonucleoprotein) [Source:HGNC Symbol;Acc:7213]	1.04	6.3E-09
NUDT6	ENSG00000170917	nudix (nucleoside diphosphate linked moiety X)-type motif 6 [Source:HGNC Symbol;Acc:8053]	2.41	6.4E-09
QPCTL	ENSG00000011478	glutaminyl-peptide cyclotransferase-like [Source:HGNC Symbol;Acc:25952]	1.23	6.5E-09
CHORDC1	ENSG00000110172	cysteine and histidine-rich domain (CHORD) containing 1 [Source:HGNC Symbol;Acc:14525]	1.05	6.5E-09
TSN	ENSG00000211460	translin [Source:HGNC Symbol;Acc:12379]	0.86	6.6E-09
KRT75	ENSG00000170454	keratin 75 [Source:HGNC Symbol;Acc:24431]	2.62	6.7E-09
--	ENSG00000237857	--	1.93	6.7E-09
NIPSNAP1	ENSG00000184117	nipsnap homolog 1 (C. elegans) [Source:HGNC Symbol;Acc:7827]	1.15	6.8E-09
CETN3	ENSG00000153140	centrin, EF-hand protein, 3 [Source:HGNC Symbol;Acc:1868]	1.37	6.8E-09
COPS7B	ENSG00000144524	COP9 signalosome subunit 7B [Source:HGNC Symbol;Acc:16760]	0.79	6.9E-09
TOMM40	ENSG00000130204	translocase of outer mitochondrial membrane 40 homolog (yeast) [Source:HGNC Symbol;Acc:18001]	1.53	7.0E-09
DDHD1	ENSG00000100523	DDHD domain containing 1 [Source:HGNC Symbol;Acc:19714]	2.15	7.0E-09
ZBTB12	ENSG00000204366	zinc finger and BTB domain containing 12 [Source:HGNC Symbol;Acc:19066]	1.83	7.1E-09
RPL13A	ENSG00000142541	ribosomal protein L13a [Source:HGNC Symbol;Acc:10304]	0.96	7.2E-09
SLIRP	ENSG00000119705	SRA stem-loop interacting RNA binding protein [Source:HGNC Symbol;Acc:20495]	0.92	7.3E-09
ZNF480	ENSG00000198464	zinc finger protein 480 [Source:HGNC Symbol;Acc:23305]	1.06	7.5E-09
GLMN	ENSG00000174842	glomulin, FKBP associated protein [Source:HGNC Symbol;Acc:14373]	1.22	7.6E-09
PTGDR	ENSG00000168229	prostaglandin D2 receptor (DP) [Source:HGNC Symbol;Acc:9591]	4.18	7.7E-09

MRPL18	ENSG00000112110	mitochondrial ribosomal protein L18 [Source:HGNC Symbol;Acc:14477]	0.80	7.7E-09
TMEM52	ENSG00000178821	transmembrane protein 52 [Source:HGNC Symbol;Acc:27916]	2.40	7.9E-09
ZNF620	ENSG00000177842	zinc finger protein 620 [Source:HGNC Symbol;Acc:28742]	2.63	8.0E-09
RPL37A	ENSG00000197756	ribosomal protein L37a [Source:HGNC Symbol;Acc:10348]	0.96	8.3E-09
HYLS1	ENSG00000198331	hydrolethalus syndrome 1 [Source:HGNC Symbol;Acc:26558]	1.19	8.4E-09
CCT4	ENSG00000115484	chaperonin containing TCP1, subunit 4 (delta) [Source:HGNC Symbol;Acc:1617]	0.92	8.4E-09
BCL6B	ENSG00000161940	B-cell CLL/lymphoma 6, member B [Source:HGNC Symbol;Acc:1002]	3.60	8.6E-09
--	ENSG00000257761	--	3.59	8.9E-09
ECI2	ENSG00000198721	enoyl-CoA delta isomerase 2 [Source:HGNC Symbol;Acc:14601]	1.37	9.2E-09
PHC1	ENSG00000111752	polyhomeotic homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:3182]	0.87	9.5E-09
FTSJ2	ENSG00000122687	FtsJ RNA methyltransferase homolog 2 (E. coli) [Source:HGNC Symbol;Acc:16352]	0.88	9.7E-09
--	ENSG00000261135	--	2.75	1.0E-08
N6AMT1	ENSG00000156239	N-6 adenine-specific DNA methyltransferase 1 (putative) [Source:HGNC Symbol;Acc:16021]	1.27	1.0E-08
EPHB4	ENSG00000196411	EPH receptor B4 [Source:HGNC Symbol;Acc:3395]	1.14	1.0E-08
TMA7	ENSG00000232112	translation machinery associated 7 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:26932]	1.07	1.0E-08
ZNF146	ENSG00000167635	zinc finger protein 146 [Source:HGNC Symbol;Acc:12931]	1.09	1.0E-08
FANCD2OS	ENSG00000163705	FANCD2 opposite strand [Source:HGNC Symbol;Acc:28623]	1.37	1.0E-08
TRAPPC6A	ENSG00000007255	trafficking protein particle complex 6A [Source:HGNC Symbol;Acc:23069]	1.62	1.0E-08
TOMM70A	ENSG00000154174	translocase of outer mitochondrial membrane 70 homolog A (S. cerevisiae) [Source:HGNC Symbol;Acc:11985]	1.04	1.1E-08
EIF2B5	ENSG00000145191	eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa [Source:HGNC Symbol;Acc:3261]	0.76	1.1E-08

TRNT1	ENSG00000072756	tRNA nucleotidyl transferase, CCA-adding, 1 [Source:HGNC Symbol;Acc:17341]	1.09	1.1E-08
PRLR	ENSG00000113494	prolactin receptor [Source:HGNC Symbol;Acc:9446]	1.74	1.2E-08
MTO1	ENSG00000135297	mitochondrial tRNA translation optimization 1 [Source:HGNC Symbol;Acc:19261]	1.02	1.2E-08
DGCR6L	ENSG00000128185	DiGeorge syndrome critical region gene 6-like [Source:HGNC Symbol;Acc:18551]	1.46	1.2E-08
CDK6	ENSG00000105810	cyclin-dependent kinase 6 [Source:HGNC Symbol;Acc:1777]	1.18	1.2E-08
ASB13	ENSG00000196372	ankyrin repeat and SOCS box containing 13 [Source:HGNC Symbol;Acc:19765]	1.10	1.2E-08
MYO19	ENSG00000141140	myosin XIX [Source:HGNC Symbol;Acc:26234]	0.76	1.2E-08
RMI1	ENSG00000178966	RecQ mediated genome instability 1 [Source:HGNC Symbol;Acc:25764]	1.43	1.2E-08
HIP1	ENSG00000127946	huntingtin interacting protein 1 [Source:HGNC Symbol;Acc:4913]	3.17	1.3E-08
FAN1	ENSG00000198690	FANCD2/FANCI-associated nuclease 1 [Source:HGNC Symbol;Acc:29170]	0.99	1.3E-08
CENPV	ENSG00000166582	centromere protein V [Source:HGNC Symbol;Acc:29920]	0.87	1.3E-08
OXA1L	ENSG00000155463	oxidase (cytochrome c) assembly 1-like [Source:HGNC Symbol;Acc:8526]	0.83	1.3E-08
MRPL50	ENSG00000136897	mitochondrial ribosomal protein L50 [Source:HGNC Symbol;Acc:16654]	1.08	1.3E-08
--	ENSG00000229891	--	2.00	1.4E-08
CEP44	ENSG00000164118	centrosomal protein 44kDa [Source:HGNC Symbol;Acc:29356]	1.30	1.4E-08
--	ENSG00000258471	--	0.99	1.4E-08
MKKS	ENSG00000125863	McKusick-Kaufman syndrome [Source:HGNC Symbol;Acc:7108]	0.82	1.4E-08
COX10	ENSG00000006695	cytochrome c oxidase assembly homolog 10 (yeast) [Source:HGNC Symbol;Acc:2260]	1.30	1.4E-08
FEZF1-AS1	ENSG00000230316	FEZF1 antisense RNA 1 [Source:HGNC Symbol;Acc:41001]	1.08	1.4E-08
RPL34	ENSG00000109475	ribosomal protein L34 [Source:HGNC Symbol;Acc:10340]	0.95	1.4E-08

PINX1	ENSG00000254093	PIN2/TERF1 interacting, telomerase inhibitor 1 [Source:HGNC Symbol;Acc:30046]	1.61	1.5E-08
WDR70	ENSG00000082068	WD repeat domain 70 [Source:HGNC Symbol;Acc:25495]	1.02	1.5E-08
TXNDC12	ENSG00000117862	thioredoxin domain containing 12 (endoplasmic reticulum) [Source:HGNC Symbol;Acc:24626]	0.91	1.5E-08
SRSF3	ENSG00000112081	serine/arginine-rich splicing factor 3 [Source:HGNC Symbol;Acc:10785]	0.67	1.5E-08
PRR3	ENSG00000204576	proline rich 3 [Source:HGNC Symbol;Acc:21149]	1.24	1.5E-08
OGFOD1	ENSG00000087263	2-oxoglutarate and iron-dependent oxygenase domain containing 1 [Source:HGNC Symbol;Acc:25585]	0.85	1.5E-08
POC5	ENSG00000152359	POC5 centriolar protein [Source:HGNC Symbol;Acc:26658]	1.12	1.6E-08
RPL9	ENSG00000163682	ribosomal protein L9 [Source:HGNC Symbol;Acc:10369]	0.94	1.6E-08
MRRF	ENSG00000148187	mitochondrial ribosome recycling factor [Source:HGNC Symbol;Acc:7234]	0.89	1.6E-08
THAP11	ENSG00000168286	THAP domain containing 11 [Source:HGNC Symbol;Acc:23194]	0.93	1.6E-08
TTC13	ENSG00000143643	tetratricopeptide repeat domain 13 [Source:HGNC Symbol;Acc:26204]	0.99	1.6E-08
FBXW9	ENSG00000132004	F-box and WD repeat domain containing 9 [Source:HGNC Symbol;Acc:28136]	1.77	1.7E-08
PCCA	ENSG00000175198	propionyl CoA carboxylase, alpha polypeptide [Source:HGNC Symbol;Acc:8653]	0.89	1.7E-08
APMAP	ENSG00000101474	adipocyte plasma membrane associated protein [Source:HGNC Symbol;Acc:13238]	0.80	1.7E-08
AKAP5	ENSG00000179841	A kinase (PRKA) anchor protein 5 [Source:HGNC Symbol;Acc:375]	1.46	1.7E-08
--	ENSG00000272540	--	1.20	1.7E-08
SFPQ	ENSG00000116560	splicing factor proline/glutamine-rich [Source:HGNC Symbol;Acc:10774]	0.62	1.7E-08
PAXIP1	ENSG00000157212	PAX interacting (with transcription-activation domain) protein 1 [Source:HGNC Symbol;Acc:8624]	1.09	1.8E-08

PPP2R3B	ENSG00000167393	protein phosphatase 2, regulatory subunit B'', beta [Source:HGNC Symbol;Acc:13417]	1.16	1.8E-08
CEP250	ENSG00000126001	centrosomal protein 250kDa [Source:HGNC Symbol;Acc:1859]	0.97	1.8E-08
LCK	ENSG00000182866	lymphocyte-specific protein tyrosine kinase [Source:HGNC Symbol;Acc:6524]	2.95	1.8E-08
PDPR	ENSG00000090857	pyruvate dehydrogenase phosphatase regulatory subunit [Source:HGNC Symbol;Acc:30264]	1.41	1.8E-08
--	ENSG00000234818	--	1.24	1.9E-08
PABPC4	ENSG00000090621	poly(A) binding protein, cytoplasmic 4 (inducible form) [Source:HGNC Symbol;Acc:8557]	0.80	1.9E-08
NIFK-AS1	ENSG00000236859	NIFK antisense RNA 1 [Source:HGNC Symbol;Acc:27385]	1.03	1.9E-08
CDK5RAP2	ENSG00000136861	CDK5 regulatory subunit associated protein 2 [Source:HGNC Symbol;Acc:18672]	0.86	2.0E-08
CSTF3	ENSG00000176102	cleavage stimulation factor, 3' pre-RNA, subunit 3, 77kDa [Source:HGNC Symbol;Acc:2485]	1.00	2.0E-08
--	ENSG00000227751	--	1.20	2.1E-08
INTS9	ENSG00000104299	integrator complex subunit 9 [Source:HGNC Symbol;Acc:25592]	1.25	2.1E-08
RPL19	ENSG00000108298	ribosomal protein L19 [Source:HGNC Symbol;Acc:10312]	1.06	2.1E-08
MRPL2	ENSG00000112651	mitochondrial ribosomal protein L2 [Source:HGNC Symbol;Acc:14056]	0.95	2.1E-08
SCLY	ENSG00000132330	selenocysteine lyase [Source:HGNC Symbol;Acc:18161]	2.13	2.1E-08
GFM1	ENSG00000168827	G elongation factor, mitochondrial 1 [Source:HGNC Symbol;Acc:13780]	1.05	2.2E-08
--	ENSG00000216775	--	1.48	2.2E-08
CCT7	ENSG00000135624	chaperonin containing TCP1, subunit 7 (eta) [Source:HGNC Symbol;Acc:1622]	0.87	2.2E-08
PHF14	ENSG00000106443	PHD finger protein 14 [Source:HGNC Symbol;Acc:22203]	0.98	2.3E-08
CD19	ENSG00000177455	CD19 molecule [Source:HGNC Symbol;Acc:1633]	3.14	2.3E-08
CDC23	ENSG00000094880	cell division cycle 23 [Source:HGNC Symbol;Acc:1724]	0.95	2.3E-08

EXOSC3	ENSG00000107371	exosome component 3 [Source:HGNC Symbol;Acc:17944] inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase	0.94	2.3E-08
IKBKAP	ENSG00000070061	complex-associated protein [Source:HGNC Symbol;Acc:5959] COX18 cytochrome C oxidase assembly factor [Source:HGNC	0.97	2.3E-08
COX18	ENSG00000163626	Symbol;Acc:26801]	1.31	2.4E-08
ZNF124	ENSG00000196418	zinc finger protein 124 [Source:HGNC Symbol;Acc:12907]	1.41	2.4E-08
NANOS1	ENSG00000188613	nanos homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:23044] heterogeneous nuclear ribonucleoprotein H3 (2H9) [Source:HGNC	1.36	2.4E-08
HNRNPH3	ENSG00000096746	Symbol;Acc:5043] spindle apparatus coiled-coil protein 1 [Source:HGNC	0.68	2.4E-08
SPDL1	ENSG00000040275	Symbol;Acc:26010] extra spindle pole bodies homolog 1 (S. cerevisiae) [Source:HGNC	1.12	2.4E-08
ESPL1	ENSG00000135476	Symbol;Acc:16856]	1.11	2.5E-08
AKAP1	ENSG00000121057	A kinase (PKA) anchor protein 1 [Source:HGNC Symbol;Acc:367]	0.81	2.6E-08
CBWD1	ENSG00000172785	COBW domain containing 1 [Source:HGNC Symbol;Acc:17134]	0.99	2.6E-08
RAD1	ENSG00000113456	RAD1 homolog (S. pombe) [Source:HGNC Symbol;Acc:9806] ligand dependent nuclear receptor corepressor-like [Source:HGNC	1.03	2.6E-08
LCORL	ENSG00000178177	Symbol;Acc:30776]	1.29	2.6E-08
--	ENSG00000269990	--	1.41	2.6E-08
GFRA3	ENSG00000146013	GDNF family receptor alpha 3 [Source:HGNC Symbol;Acc:4245]	2.12	2.7E-08
--	ENSG00000230650	--	1.81	2.8E-08
GCA	ENSG00000115271	granulosa cell protein, EF-hand calcium binding protein [Source:HGNC Symbol;Acc:15990]	1.32	2.8E-08
SLC35F2	ENSG00000110660	solute carrier family 35, member F2 [Source:HGNC Symbol;Acc:23615] UDP glucuronosyltransferase 2 family, polypeptide B15 [Source:HGNC	0.96	2.9E-08
UGT2B15	ENSG00000196620	Symbol;Acc:12546]	3.52	2.9E-08
GPHN	ENSG00000171723	gephyrin [Source:HGNC Symbol;Acc:15465]	1.04	2.9E-08

FAM221A	ENSG00000188732	family with sequence similarity 221, member A [Source:HGNC Symbol;Acc:27977]	1.49	2.9E-08
AK2	ENSG00000004455	adenylate kinase 2 [Source:HGNC Symbol;Acc:362]	0.75	2.9E-08
RPLP0	ENSG00000089157	ribosomal protein, large, P0 [Source:HGNC Symbol;Acc:10371]	0.88	2.9E-08
--	ENSG00000269974	--	3.37	3.0E-08
C8orf37	ENSG00000156172	chromosome 8 open reading frame 37 [Source:HGNC Symbol;Acc:27232]	2.90	3.1E-08
CAPN13	ENSG00000162949	calpain 13 [Source:HGNC Symbol;Acc:16663]	2.03	3.1E-08
LAMB1	ENSG00000091136	laminin, beta 1 [Source:HGNC Symbol;Acc:6486]	0.89	3.2E-08
EXOSC6	ENSG00000223496	exosome component 6 [Source:HGNC Symbol;Acc:19055]	1.27	3.2E-08
DTNB	ENSG00000138101	dystrobrevin, beta [Source:HGNC Symbol;Acc:3058]	2.98	3.2E-08
PDE4DIP	ENSG00000178104	phosphodiesterase 4D interacting protein [Source:HGNC Symbol;Acc:15580]	0.99	3.3E-08
HACL1	ENSG00000131373	2-hydroxyacyl-CoA lyase 1 [Source:HGNC Symbol;Acc:17856]	1.24	3.3E-08
POT1	ENSG00000128513	protection of telomeres 1 [Source:HGNC Symbol;Acc:17284]	1.53	3.3E-08
ACVR1C	ENSG00000123612	activin A receptor, type IC [Source:HGNC Symbol;Acc:18123]	2.22	3.4E-08
SH3D19	ENSG00000109686	SH3 domain containing 19 [Source:HGNC Symbol;Acc:30418]	0.75	3.4E-08
--	ENSG00000233542	--	2.83	3.5E-08
--	ENSG00000245750	--	4.04	3.5E-08
CAMKK1	ENSG00000004660	calcium/calmodulin-dependent protein kinase kinase 1, alpha [Source:HGNC Symbol;Acc:1469]	1.12	3.5E-08
MYC	ENSG00000136997	v-myc avian myelocytomatosis viral oncogene homolog [Source:HGNC Symbol;Acc:7553]	0.95	3.6E-08
PAK6	ENSG00000137843	p21 protein (Cdc42/Rac)-activated kinase 6 [Source:HGNC Symbol;Acc:16061]	1.84	3.6E-08
OTUD6B	ENSG00000155100	OTU domain containing 6B [Source:HGNC Symbol;Acc:24281]	1.60	3.6E-08
--	ENSG00000254682	--	2.03	3.6E-08
SNRPG	ENSG00000143977	small nuclear ribonucleoprotein polypeptide G [Source:HGNC Symbol;Acc:11163]	0.88	3.6E-08

--	ENSG00000250266	--	2.02	3.7E-08
PEMT	ENSG00000133027	phosphatidylethanolamine N-methyltransferase [Source:HGNC Symbol;Acc:8830]	1.63	3.7E-08
IRF8	ENSG00000140968	interferon regulatory factor 8 [Source:HGNC Symbol;Acc:5358]	1.13	3.7E-08
PPOX	ENSG00000143224	protoporphyrinogen oxidase [Source:HGNC Symbol;Acc:9280]	1.29	3.7E-08
C17orf80	ENSG00000141219	chromosome 17 open reading frame 80 [Source:HGNC Symbol;Acc:29601]	1.01	3.8E-08
APOBEC3C	ENSG00000244509	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3C [Source:HGNC Symbol;Acc:17353]	1.67	3.8E-08
RPS27	ENSG00000177954	ribosomal protein S27 [Source:HGNC Symbol;Acc:10416]	0.83	3.9E-08
SCAMP5	ENSG00000198794	secretory carrier membrane protein 5 [Source:HGNC Symbol;Acc:30386]	1.88	3.9E-08
ADCK1	ENSG00000063761	aarF domain containing kinase 1 [Source:HGNC Symbol;Acc:19038]	1.44	4.0E-08
ZSCAN12	ENSG00000158691	zinc finger and SCAN domain containing 12 [Source:HGNC Symbol;Acc:13172]	2.33	4.0E-08
NEIL2	ENSG00000154328	nei endonuclease VIII-like 2 (E. coli) [Source:HGNC Symbol;Acc:18956]	1.63	4.1E-08
SNHG17	ENSG00000196756	small nucleolar RNA host gene 17 (non-protein coding) [Source:HGNC Symbol;Acc:48600]	1.26	4.2E-08
RFXAP	ENSG00000133111	regulatory factor X-associated protein [Source:HGNC Symbol;Acc:9988]	1.72	4.3E-08
HAGHL	ENSG00000103253	hydroxyacylglutathione hydrolase-like [Source:HGNC Symbol;Acc:14177]	1.31	4.3E-08
GTPBP3	ENSG00000130299	GTP binding protein 3 (mitochondrial) [Source:HGNC Symbol;Acc:14880]	1.37	4.4E-08
UBE2S	ENSG00000108106	ubiquitin-conjugating enzyme E2S [Source:HGNC Symbol;Acc:17895]	1.67	4.4E-08
RGS14	ENSG00000169220	regulator of G-protein signaling 14 [Source:HGNC Symbol;Acc:9996]	1.11	4.4E-08
CMC2	ENSG00000103121	C-x(9)-C motif containing 2 [Source:HGNC Symbol;Acc:24447]	0.99	4.6E-08
EFCAB7	ENSG00000203965	EF-hand calcium binding domain 7 [Source:HGNC Symbol;Acc:29379]	2.06	4.8E-08



FBXL8	ENSG00000135722	F-box and leucine-rich repeat protein 8 [Source:HGNC Symbol;Acc:17875]	1.34	4.8E-08
MZT1	ENSG00000204899	mitotic spindle organizing protein 1 [Source:HGNC Symbol;Acc:33830]	1.30	4.9E-08
CMBL	ENSG00000164237	carboxymethylenebutenolidase homolog (Pseudomonas) [Source:HGNC Symbol;Acc:25090]	0.93	4.9E-08
APOLD1	ENSG00000178878	apolipoprotein L domain containing 1 [Source:HGNC Symbol;Acc:25268]	1.51	4.9E-08
TANGO6	ENSG00000103047	transport and golgi organization 6 homolog (Drosophila) [Source:HGNC Symbol;Acc:25749]	1.25	4.9E-08
TIMM8B	ENSG00000150779	translocase of inner mitochondrial membrane 8 homolog B (yeast) [Source:HGNC Symbol;Acc:11818]	0.93	4.9E-08
SAMM50	ENSG00000100347	SAMM50 sorting and assembly machinery component [Source:HGNC Symbol;Acc:24276]	0.88	5.0E-08
PRADC1	ENSG00000135617	protease-associated domain containing 1 [Source:HGNC Symbol;Acc:16047]	1.24	5.0E-08
LINC01106	ENSG00000175772	long intergenic non-protein coding RNA 1106 [Source:HGNC Symbol;Acc:26769]	1.42	5.1E-08
--	ENSG00000251556	--	1.26	5.1E-08
SCPEP1	ENSG00000121064	serine carboxypeptidase 1 [Source:HGNC Symbol;Acc:29507]	0.93	5.1E-08
TUBA1B	ENSG00000123416	tubulin, alpha 1b [Source:HGNC Symbol;Acc:18809]	0.85	5.3E-08
SMARCE1	ENSG00000073584	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 [Source:HGNC Symbol;Acc:11109]	0.91	5.4E-08
UPF3A	ENSG00000169062	UPF3 regulator of nonsense transcripts homolog A (yeast) [Source:HGNC Symbol;Acc:20332]	0.82	5.4E-08
COLEC11	ENSG00000118004	collectin sub-family member 11 [Source:HGNC Symbol;Acc:17213]	2.99	5.7E-08
EXOSC8	ENSG00000120699	exosome component 8 [Source:HGNC Symbol;Acc:17035]	1.09	5.8E-08
EEFSEC	ENSG00000132394	eukaryotic elongation factor, selenocysteine-tRNA-specific [Source:HGNC Symbol;Acc:24614]	1.40	5.9E-08

RBM19	ENSG00000122965	RNA binding motif protein 19 [Source:HGNC Symbol;Acc:29098]	0.96	5.9E-08
DBR1	ENSG00000138231	debranching RNA lariats 1 [Source:HGNC Symbol;Acc:15594]	1.26	6.0E-08
		ubiquitin family domain containing 1 [Source:HGNC		
UBFD1	ENSG00000103353	Symbol;Acc:30565]	0.79	6.0E-08
RAE1	ENSG00000101146	ribonucleic acid export 1 [Source:HGNC Symbol;Acc:9828]	0.70	6.1E-08
--	ENSG00000226706	--	1.45	6.1E-08
TEX10	ENSG00000136891	testis expressed 10 [Source:HGNC Symbol;Acc:25988]	0.77	6.1E-08
--	ENSG00000272093	--	2.35	6.2E-08
IQCC	ENSG00000160051	IQ motif containing C [Source:HGNC Symbol;Acc:25545]	1.61	6.2E-08
		structural maintenance of chromosomes 1A [Source:HGNC		
SMC1A	ENSG00000072501	Symbol;Acc:11111]	0.95	6.2E-08
NOL9	ENSG00000162408	nucleolar protein 9 [Source:HGNC Symbol;Acc:26265]	1.07	6.3E-08
		solute carrier family 25 (mitochondrial folate carrier), member 32		
SLC25A32	ENSG00000164933	[Source:HGNC Symbol;Acc:29683]	1.21	6.3E-08
		acyl-CoA synthetase medium-chain family member 3 [Source:HGNC		
ACSM3	ENSG00000005187	Symbol;Acc:10522]	1.32	6.4E-08
		ATP-binding cassette, sub-family A (ABC1), member 2 [Source:HGNC		
ABCA2	ENSG00000107331	Symbol;Acc:32]	1.22	6.5E-08
TCF3	ENSG00000071564	transcription factor 3 [Source:HGNC Symbol;Acc:11633]	0.92	6.5E-08
--	ENSG00000272434	--	1.90	6.5E-08
PRRT3-AS1	ENSG00000230082	PRRT3 antisense RNA 1 [Source:HGNC Symbol;Acc:41151]	2.09	6.6E-08
		RAB11 family interacting protein 3 (class II) [Source:HGNC		
RAB11FIP3	ENSG00000090565	Symbol;Acc:17224]	0.95	6.6E-08
PDCD7	ENSG00000090470	programmed cell death 7 [Source:HGNC Symbol;Acc:8767]	0.96	6.6E-08
TBCD	ENSG00000141556	tubulin folding cofactor D [Source:HGNC Symbol;Acc:11581]	1.09	6.6E-08
		family with sequence similarity 86, member C2, pseudogene		
FAM86C2P	ENSG00000160172	[Source:HGNC Symbol;Acc:42392]	1.44	6.6E-08
		EMG1 N1-specific pseudouridine methyltransferase [Source:HGNC		
EMG1	ENSG00000126749	Symbol;Acc:16912]	0.91	6.6E-08

HOXA11-AS	ENSG00000240990	HOXA11 antisense RNA [Source:HGNC Symbol;Acc:24957]	1.20	6.7E-08
PDZRN3	ENSG00000121440	PDZ domain containing ring finger 3 [Source:HGNC Symbol;Acc:17704]	2.84	6.8E-08
RRP8	ENSG00000132275	ribosomal RNA processing 8, methyltransferase, homolog (yeast) [Source:HGNC Symbol;Acc:29030]	0.92	6.9E-08
ZNF280D	ENSG00000137871	zinc finger protein 280D [Source:HGNC Symbol;Acc:25953]	1.13	6.9E-08
MTBP	ENSG00000172167	Mdm2, transformed 3T3 cell double minute 2, p53 binding protein (mouse) binding protein, 104kDa [Source:HGNC Symbol;Acc:7417]	1.07	7.1E-08
AAAS	ENSG00000094914	achalasia, adrenocortical insufficiency, alacrimia [Source:HGNC Symbol;Acc:13666]	1.04	7.1E-08
COL18A1	ENSG00000182871	collagen, type XVIII, alpha 1 [Source:HGNC Symbol;Acc:2195]	3.13	7.2E-08
SLC28A2	ENSG00000137860	solute carrier family 28 (concentrative nucleoside transporter), member 2 [Source:HGNC Symbol;Acc:11002]	1.54	7.2E-08
NGDN	ENSG00000129460	neuroguidin, EIF4E binding protein [Source:HGNC Symbol;Acc:20271]	0.78	7.2E-08
CDH24	ENSG00000139880	cadherin 24, type 2 [Source:HGNC Symbol;Acc:14265]	1.36	7.2E-08
PPRC1	ENSG00000148840	peroxisome proliferator-activated receptor gamma, coactivator-related 1 [Source:HGNC Symbol;Acc:30025]	1.08	7.4E-08
ATOH1	ENSG00000172238	atonal homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:797]	2.64	7.4E-08
TUBGCP4	ENSG00000137822	tubulin, gamma complex associated protein 4 [Source:HGNC Symbol;Acc:16691]	1.11	7.5E-08
PEX6	ENSG00000124587	peroxisomal biogenesis factor 6 [Source:HGNC Symbol;Acc:8859]	1.44	7.5E-08
SEPT7P2	ENSG00000214765	septin 7 pseudogene 2 [Source:HGNC Symbol;Acc:32339]	1.26	7.5E-08
TEX261	ENSG00000144043	testis expressed 261 [Source:HGNC Symbol;Acc:30712]	0.71	7.5E-08
TRMT11	ENSG00000066651	tRNA methyltransferase 11 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:21080]	1.09	7.6E-08
CPNE7	ENSG00000178773	copine VII [Source:HGNC Symbol;Acc:2320]	1.54	7.6E-08
ZNF273	ENSG00000198039	zinc finger protein 273 [Source:HGNC Symbol;Acc:13067]	1.70	7.6E-08
FAHD2A	ENSG00000115042	fumarylacetoacetate hydrolase domain containing 2A [Source:HGNC Symbol;Acc:24252]	1.30	7.8E-08

NOA1	ENSG00000084092	nitric oxide associated 1 [Source:HGNC Symbol;Acc:28473]	0.92	8.0E-08
RPL35	ENSG00000136942	ribosomal protein L35 [Source:HGNC Symbol;Acc:10344]	1.05	8.2E-08
SUPV3L1	ENSG00000156502	suppressor of var1, 3-like 1 ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:11471]	1.00	8.3E-08
SMIM20	ENSG00000250317	small integral membrane protein 20 [Source:HGNC Symbol;Acc:37260]	1.07	8.6E-08
PPIP5K2	ENSG00000145725	diphosphoinositol pentakisphosphate kinase 2 [Source:HGNC Symbol;Acc:29035]	1.07	8.6E-08
SLC18B1	ENSG00000146409	solute carrier family 18, subfamily B, member 1 [Source:HGNC Symbol;Acc:21573]	1.05	8.6E-08
TUBGCP3	ENSG00000126216	tubulin, gamma complex associated protein 3 [Source:HGNC Symbol;Acc:18598]	0.78	8.7E-08
RFWD3	ENSG00000168411	ring finger and WD repeat domain 3 [Source:HGNC Symbol;Acc:25539]	0.85	8.7E-08
CCDC113	ENSG00000103021	coiled-coil domain containing 113 [Source:HGNC Symbol;Acc:25002]	1.53	8.8E-08
CBWD2	ENSG00000136682	COBW domain containing 2 [Source:HGNC Symbol;Acc:17907]	1.03	8.9E-08
BCAT2	ENSG00000105552	branched chain amino-acid transaminase 2, mitochondrial [Source:HGNC Symbol;Acc:977]	1.36	9.0E-08
ISYNA1	ENSG00000105655	inositol-3-phosphate synthase 1 [Source:HGNC Symbol;Acc:29821]	1.64	9.0E-08
FANCF	ENSG00000183161	Fanconi anemia, complementation group F [Source:HGNC Symbol;Acc:3587]	1.01	9.0E-08
SNAPC5	ENSG00000174446	small nuclear RNA activating complex, polypeptide 5, 19kDa [Source:HGNC Symbol;Acc:15484]	0.93	9.3E-08
TAF9	ENSG00000085231	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 32kDa [Source:HGNC Symbol;Acc:11542]	0.85	9.5E-08
PKDCC	ENSG00000162878	protein kinase domain containing, cytoplasmic [Source:HGNC Symbol;Acc:25123]	1.19	9.5E-08
--	ENSG00000272599	--	2.15	9.5E-08

ZCCHC11	ENSG00000134744	zinc finger, CCHC domain containing 11 [Source:HGNC Symbol;Acc:28981]	1.03	9.5E-08
--	ENSG00000204802	--	2.32	9.6E-08
HES6	ENSG00000144485	hes family bHLH transcription factor 6 [Source:HGNC Symbol;Acc:18254]	1.41	9.6E-08
PCCB	ENSG00000114054	propionyl CoA carboxylase, beta polypeptide [Source:HGNC Symbol;Acc:8654]	0.86	9.8E-08
ARL10	ENSG00000175414	ADP-ribosylation factor-like 10 [Source:HGNC Symbol;Acc:22042]	1.35	9.9E-08
EI24	ENSG00000149547	etoposide induced 2.4 [Source:HGNC Symbol;Acc:13276]	0.63	1.0E-07
QRSL1	ENSG00000130348	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1 [Source:HGNC Symbol;Acc:21020]	0.90	1.0E-07
--	ENSG00000269621	--	0.93	1.0E-07
DHRS4L2	ENSG00000187630	dehydrogenase/reductase (SDR family) member 4 like 2 [Source:HGNC Symbol;Acc:19731]	1.24	1.0E-07
KDELC1	ENSG00000134901	KDEL (Lys-Asp-Glu-Leu) containing 1 [Source:HGNC Symbol;Acc:19350]	2.93	1.1E-07
C21orf59	ENSG00000159079	chromosome 21 open reading frame 59 [Source:HGNC Symbol;Acc:1301]	1.31	1.1E-07
C5	ENSG00000106804	complement component 5 [Source:HGNC Symbol;Acc:1331]	1.58	1.1E-07
GNB2L1	ENSG00000204628	guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1 [Source:HGNC Symbol;Acc:4399]	0.98	1.1E-07
TIGD1	ENSG00000221944	tigger transposable element derived 1 [Source:HGNC Symbol;Acc:14523]	1.35	1.1E-07
ANKRD32	ENSG00000133302	ankyrin repeat domain 32 [Source:HGNC Symbol;Acc:25408]	1.76	1.1E-07
SCAI	ENSG00000173611	suppressor of cancer cell invasion [Source:HGNC Symbol;Acc:26709]	1.63	1.1E-07
NACA	ENSG00000196531	nascent polypeptide-associated complex alpha subunit [Source:HGNC Symbol;Acc:7629]	0.66	1.1E-07
GCAT	ENSG00000100116	glycine C-acetyltransferase [Source:HGNC Symbol;Acc:4188]	1.85	1.1E-07

TOPBP1	ENSG00000163781	topoisomerase (DNA) II binding protein 1 [Source:HGNC Symbol;Acc:17008]	1.07	1.2E-07
--	ENSG00000261668	--	2.24	1.2E-07
NANOS3	ENSG00000187556	nanos homolog 3 (Drosophila) [Source:HGNC Symbol;Acc:22048]	2.34	1.2E-07
AASDHPPT	ENSG00000149313	aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase [Source:HGNC Symbol;Acc:14235]	1.24	1.2E-07
ADH6	ENSG00000172955	alcohol dehydrogenase 6 (class V) [Source:HGNC Symbol;Acc:255]	3.24	1.2E-07
PRDX6	ENSG00000117592	peroxiredoxin 6 [Source:HGNC Symbol;Acc:16753]	0.80	1.2E-07
PCBD1	ENSG00000166228	pterin-4 alpha-carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha [Source:HGNC Symbol;Acc:8646]	0.68	1.2E-07
NUPL2	ENSG00000136243	nucleoporin like 2 [Source:HGNC Symbol;Acc:17010]	1.16	1.3E-07
CEP152	ENSG00000103995	centrosomal protein 152kDa [Source:HGNC Symbol;Acc:29298]	1.36	1.3E-07
HOXB4	ENSG00000182742	homeobox B4 [Source:HGNC Symbol;Acc:5115]	1.39	1.3E-07
ZBTB24	ENSG00000112365	zinc finger and BTB domain containing 24 [Source:HGNC Symbol;Acc:21143]	1.13	1.3E-07
NUDC	ENSG00000090273	nudC nuclear distribution protein [Source:HGNC Symbol;Acc:8045]	0.81	1.3E-07
M6PR	ENSG00000003056	mannose-6-phosphate receptor (cation dependent) [Source:HGNC Symbol;Acc:6752]	0.85	1.3E-07
MARC2	ENSG00000117791	mitochondrial amidoxime reducing component 2 [Source:HGNC Symbol;Acc:26064]	1.02	1.3E-07
UTP6	ENSG00000108651	UTP6, small subunit (SSU) processome component, homolog (yeast) [Source:HGNC Symbol;Acc:18279]	0.80	1.3E-07
BMP7	ENSG00000101144	bone morphogenetic protein 7 [Source:HGNC Symbol;Acc:1074]	3.89	1.3E-07
COMMD6	ENSG00000188243	COMM domain containing 6 [Source:HGNC Symbol;Acc:24015]	1.03	1.3E-07
--	ENSG00000271936	--	2.05	1.3E-07
TMEM186	ENSG00000184857	transmembrane protein 186 [Source:HGNC Symbol;Acc:24530]	1.10	1.4E-07
CABP1	ENSG00000157782	calcium binding protein 1 [Source:HGNC Symbol;Acc:1384]	2.14	1.4E-07
MRPS28	ENSG00000147586	mitochondrial ribosomal protein S28 [Source:HGNC Symbol;Acc:14513]	1.52	1.4E-07

LBR	ENSG00000143815	lamin B receptor [Source:HGNC Symbol;Acc:6518]	1.18	1.4E-07
EXOG	ENSG00000157036	endo/exonuclease (5'-3'), endonuclease G-like [Source:HGNC Symbol;Acc:3347]	1.07	1.4E-07
SNRPA1	ENSG00000131876	small nuclear ribonucleoprotein polypeptide A' [Source:HGNC Symbol;Acc:11152]	0.74	1.4E-07
EXPH5	ENSG00000110723	exophilin 5 [Source:HGNC Symbol;Acc:30578]	1.25	1.4E-07
LRTOMT	ENSG00000184154	leucine rich transmembrane and O-methyltransferase domain containing [Source:HGNC Symbol;Acc:25033]	0.88	1.4E-07
LSM6	ENSG00000164167	LSM6 homolog, U6 small nuclear RNA associated ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:17017]	1.19	1.4E-07
--	ENSG00000225721	--	1.35	1.5E-07
CYP4X1	ENSG00000186377	cytochrome P450, family 4, subfamily X, polypeptide 1 [Source:HGNC Symbol;Acc:20244]	3.46	1.5E-07
ANP32E	ENSG00000143401	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E [Source:HGNC Symbol;Acc:16673]	1.17	1.5E-07
RHPN1-AS1	ENSG00000254389	RHPN1 antisense RNA 1 (head to head) [Source:HGNC Symbol;Acc:28457]	2.02	1.5E-07
TEX2	ENSG00000136478	testis expressed 2 [Source:HGNC Symbol;Acc:30884]	0.87	1.5E-07
TGFBRAP1	ENSG00000135966	transforming growth factor, beta receptor associated protein 1 [Source:HGNC Symbol;Acc:16836]	0.75	1.5E-07
CAT	ENSG00000121691	catalase [Source:HGNC Symbol;Acc:1516]	1.28	1.5E-07
ACP1	ENSG00000143727	acid phosphatase 1, soluble [Source:HGNC Symbol;Acc:122]	0.78	1.5E-07
RQCD1	ENSG00000144580	RCD1 required for cell differentiation1 homolog ( <i>S. pombe</i> ) [Source:HGNC Symbol;Acc:10445]	0.69	1.6E-07
MCCC1-AS1	ENSG00000243368	MCCC1 antisense RNA 1 [Source:HGNC Symbol;Acc:40366]	1.66	1.6E-07
SMARCAD1	ENSG00000163104	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1 [Source:HGNC Symbol;Acc:18398]	1.23	1.6E-07

DHRS2	ENSG00000100867	dehydrogenase/reductase (SDR family) member 2 [Source:HGNC Symbol;Acc:18349]	2.09	1.6E-07
ZNF695	ENSG00000197472	zinc finger protein 695 [Source:HGNC Symbol;Acc:30954]	2.06	1.6E-07
FAM72A	ENSG00000196550	family with sequence similarity 72, member A [Source:HGNC Symbol;Acc:24044]	2.53	1.6E-07
AZI1	ENSG00000141577	5-azacytidine induced 1 [Source:HGNC Symbol;Acc:29511]	1.22	1.6E-07
CITED1	ENSG00000125931	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1 [Source:HGNC Symbol;Acc:1986]	2.28	1.7E-07
--	ENSG00000270823	hsa-mir-335 [Source:miRBase;Acc:MI0000816]	1.73	1.7E-07
ZNF519	ENSG00000175322	zinc finger protein 519 [Source:HGNC Symbol;Acc:30574]	3.00	1.7E-07
SUOX	ENSG00000139531	sulfite oxidase [Source:HGNC Symbol;Acc:11460]	0.80	1.7E-07
TIFA	ENSG00000145365	TRAF-interacting protein with forkhead-associated domain [Source:HGNC Symbol;Acc:19075]	1.34	1.7E-07
--	ENSG00000226088	--	2.54	1.7E-07
C9orf41	ENSG00000156017	chromosome 9 open reading frame 41 [Source:HGNC Symbol;Acc:23435]	1.21	1.7E-07
E2F5	ENSG00000133740	E2F transcription factor 5, p130-binding [Source:HGNC Symbol;Acc:3119]	0.90	1.9E-07
COPS3	ENSG00000141030	COP9 signalosome subunit 3 [Source:HGNC Symbol;Acc:2239]	0.97	1.9E-07
SEPN1	ENSG00000162430	selenoprotein N, 1 [Source:HGNC Symbol;Acc:15999]	0.92	1.9E-07
SYBU	ENSG00000147642	syntabulin (syntaxin-interacting) [Source:HGNC Symbol;Acc:26011]	1.38	1.9E-07
FOPNL	ENSG00000133393	FGFR1OP N-terminal like [Source:HGNC Symbol;Acc:26435]	0.99	1.9E-07
PPP1R1B	ENSG00000131771	protein phosphatase 1, regulatory (inhibitor) subunit 1B [Source:HGNC Symbol;Acc:9287]	1.04	1.9E-07
ALDH3A1	ENSG00000108602	aldehyde dehydrogenase 3 family, member A1 [Source:HGNC Symbol;Acc:405]	2.28	2.0E-07
RPL27A	ENSG00000166441	ribosomal protein L27a [Source:HGNC Symbol;Acc:10329]	1.00	2.0E-07
PLCG1	ENSG00000124181	phospholipase C, gamma 1 [Source:HGNC Symbol;Acc:9065]	0.76	2.0E-07
ARRB2	ENSG00000141480	arrestin, beta 2 [Source:HGNC Symbol;Acc:712]	1.00	2.0E-07



PCGF6	ENSG00000156374	polycomb group ring finger 6 [Source:HGNC Symbol;Acc:21156]	1.21	2.0E-07
ERP29	ENSG00000089248	endoplasmic reticulum protein 29 [Source:HGNC Symbol;Acc:13799]	0.73	2.0E-07
MOB1B	ENSG00000173542	MOB kinase activator 1B [Source:HGNC Symbol;Acc:29801]	1.77	2.0E-07
KLHL3	ENSG00000146021	kelch-like family member 3 [Source:HGNC Symbol;Acc:6354]	2.26	2.0E-07
ZNF594	ENSG00000180626	zinc finger protein 594 [Source:HGNC Symbol;Acc:29392]	1.94	2.1E-07
--	ENSG00000261572	--	1.51	2.2E-07
ZBTB25	ENSG00000089775	zinc finger and BTB domain containing 25 [Source:HGNC Symbol;Acc:13112]	1.11	2.2E-07
KCNJ3	ENSG00000162989	potassium inwardly-rectifying channel, subfamily J, member 3 [Source:HGNC Symbol;Acc:6264]	3.26	2.2E-07
HHEX	ENSG00000152804	hematopoietically expressed homeobox [Source:HGNC Symbol;Acc:4901]	1.81	2.2E-07
TMEM218	ENSG00000150433	transmembrane protein 218 [Source:HGNC Symbol;Acc:27344]	1.20	2.2E-07
FAM222A-AS	ENSG00000255650	FAM222A antisense RNA 1 [Source:HGNC Symbol;Acc:28223]	3.85	2.3E-07
EIF2AK4	ENSG00000128829	eukaryotic translation initiation factor 2 alpha kinase 4 [Source:HGNC Symbol;Acc:19687]	0.89	2.3E-07
ELP6	ENSG00000163832	elongator acetyltransferase complex subunit 6 [Source:HGNC Symbol;Acc:25976]	0.90	2.3E-07
--	ENSG00000228302	--	0.84	2.4E-07
CCDC40	ENSG00000141519	coiled-coil domain containing 40 [Source:HGNC Symbol;Acc:26090]	2.38	2.4E-07
PARS2	ENSG00000162396	prolyl-tRNA synthetase 2, mitochondrial (putative) [Source:HGNC Symbol;Acc:30563]	1.20	2.4E-07
RAB23	ENSG00000112210	RAB23, member RAS oncogene family [Source:HGNC Symbol;Acc:14263]	1.43	2.4E-07
B3GNTL1	ENSG00000175711	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like 1 [Source:HGNC Symbol;Acc:21727]	1.35	2.4E-07
MMP11	ENSG00000099953	matrix metalloproteinase 11 (stromelysin 3) [Source:HGNC Symbol;Acc:7157]	2.46	2.5E-07
NUP205	ENSG00000155561	nucleoporin 205kDa [Source:HGNC Symbol;Acc:18658]	0.83	2.5E-07

SUMF2	ENSG00000129103	sulfatase modifying factor 2 [Source:HGNC Symbol;Acc:20415]	0.70	2.6E-07
PRDX4	ENSG00000123131	peroxiredoxin 4 [Source:HGNC Symbol;Acc:17169]	0.70	2.6E-07
GAS5-AS1	ENSG00000270084	GAS5 antisense RNA 1 [Source:HGNC Symbol;Acc:44119]	1.28	2.6E-07
CHCHD6	ENSG00000159685	coiled-coil-helix-coiled-coil-helix domain containing 6 [Source:HGNC Symbol;Acc:28184]	1.72	2.6E-07
IRAK1BP1	ENSG00000146243	interleukin-1 receptor-associated kinase 1 binding protein 1 [Source:HGNC Symbol;Acc:17368]	1.46	2.6E-07
NAT14	ENSG00000090971	N-acetyltransferase 14 (GCN5-related, putative) [Source:HGNC Symbol;Acc:28918]	1.42	2.6E-07
LZTFL1	ENSG00000163818	leucine zipper transcription factor-like 1 [Source:HGNC Symbol;Acc:6741]	1.20	2.6E-07
DHX37	ENSG00000150990	DEAH (Asp-Glu-Ala-His) box polypeptide 37 [Source:HGNC Symbol;Acc:17210]	1.34	2.7E-07
RNMTL1	ENSG00000171861	RNA methyltransferase like 1 [Source:HGNC Symbol;Acc:18485]	1.26	2.7E-07
ARSK	ENSG00000164291	arylsulfatase family, member K [Source:HGNC Symbol;Acc:25239]	1.66	2.7E-07
XPNPEP3	ENSG00000196236	X-prolyl aminopeptidase (aminopeptidase P) 3, putative [Source:HGNC Symbol;Acc:28052]	0.99	2.7E-07
C1orf216	ENSG00000142686	chromosome 1 open reading frame 216 [Source:HGNC Symbol;Acc:26800]	2.22	2.8E-07
N6AMT2	ENSG00000150456	N-6 adenine-specific DNA methyltransferase 2 (putative) [Source:HGNC Symbol;Acc:27351]	2.02	2.8E-07
--	ENSG00000244380	--	1.10	2.8E-07
MGST1	ENSG00000008394	microsomal glutathione S-transferase 1 [Source:HGNC Symbol;Acc:7061]	0.98	2.9E-07
--	ENSG00000267288	--	1.38	2.9E-07
NIFK	ENSG00000155438	nucleolar protein interacting with the FHA domain of MKI67 [Source:HGNC Symbol;Acc:17838]	1.01	2.9E-07
SUCLG1	ENSG00000163541	succinate-CoA ligase, alpha subunit [Source:HGNC Symbol;Acc:11449]	0.61	2.9E-07

NPL	ENSG00000135838	N-acetylneuraminase pyruvate lyase (dihydrodipicolinate synthase) [Source:HGNC Symbol;Acc:16781]	1.49	2.9E-07
ARL17A	ENSG00000185829	ADP-ribosylation factor-like 17A [Source:HGNC Symbol;Acc:24096]	1.01	2.9E-07
ALYREF	ENSG00000183684	Aly/REF export factor [Source:HGNC Symbol;Acc:19071]	1.15	3.0E-07
MYEOV2	ENSG00000172428	myeloma overexpressed 2 [Source:HGNC Symbol;Acc:21314]	0.92	3.0E-07
IL1RL2	ENSG00000115598	interleukin 1 receptor-like 2 [Source:HGNC Symbol;Acc:5999]	1.51	3.0E-07
MRPS12	ENSG00000128626	mitochondrial ribosomal protein S12 [Source:HGNC Symbol;Acc:10380]	1.26	3.0E-07
PRKRA	ENSG00000180228	protein kinase, interferon-inducible double stranded RNA dependent activator [Source:HGNC Symbol;Acc:9438]	0.87	3.1E-07
RECQL4	ENSG00000160957	RecQ protein-like 4 [Source:HGNC Symbol;Acc:9949]	2.41	3.1E-07
PET112	ENSG00000059691	PET112 homolog (yeast) [Source:HGNC Symbol;Acc:8849]	1.07	3.1E-07
PES1	ENSG00000100029	pescadillo ribosomal biogenesis factor 1 [Source:HGNC Symbol;Acc:8848]	0.97	3.1E-07
RP9	ENSG00000164610	retinitis pigmentosa 9 (autosomal dominant) [Source:HGNC Symbol;Acc:10288]	1.18	3.1E-07
DDX21	ENSG00000165732	DEAD (Asp-Glu-Ala-Asp) box helicase 21 [Source:HGNC Symbol;Acc:2744]	1.19	3.2E-07
--	ENSG00000254578	--	1.21	3.2E-07
METTL2B	ENSG00000165055	methyltransferase like 2B [Source:HGNC Symbol;Acc:18272]	0.76	3.2E-07
RPL37	ENSG00000145592	ribosomal protein L37 [Source:HGNC Symbol;Acc:10347]	0.94	3.2E-07
HEATR2	ENSG00000164818	HEAT repeat containing 2 [Source:HGNC Symbol;Acc:26013]	0.66	3.2E-07
LPCAT1	ENSG00000153395	lysophosphatidylcholine acyltransferase 1 [Source:HGNC Symbol;Acc:25718]	0.93	3.2E-07
RPS5	ENSG00000083845	ribosomal protein S5 [Source:HGNC Symbol;Acc:10426]	0.98	3.3E-07
METTL5	ENSG00000138382	methyltransferase like 5 [Source:HGNC Symbol;Acc:25006]	0.95	3.3E-07
EDRF1	ENSG00000107938	erythroid differentiation regulatory factor 1 [Source:HGNC Symbol;Acc:24640]	1.06	3.4E-07

REV3L	ENSG00000009413	REV3-like, polymerase (DNA directed), zeta, catalytic subunit [Source:HGNC Symbol;Acc:9968]	0.93	3.4E-07
METTL8	ENSG00000123600	methyltransferase like 8 [Source:HGNC Symbol;Acc:25856]	1.31	3.5E-07
ALG6	ENSG00000088035	ALG6, alpha-1,3-glucosyltransferase [Source:HGNC Symbol;Acc:23157]	1.14	3.5E-07
ENOSF1	ENSG00000132199	enolase superfamily member 1 [Source:HGNC Symbol;Acc:30365]	0.92	3.6E-07
MRPL42	ENSG00000198015	mitochondrial ribosomal protein L42 [Source:HGNC Symbol;Acc:14493]	0.93	3.6E-07
ZNF740	ENSG00000139651	zinc finger protein 740 [Source:HGNC Symbol;Acc:27465]	0.92	3.7E-07
DTWD1	ENSG00000104047	DTW domain containing 1 [Source:HGNC Symbol;Acc:30926]	1.22	3.7E-07
MAATS1	ENSG00000183833	MYCBP-associated, testis expressed 1 [Source:HGNC Symbol;Acc:24010]	1.23	3.7E-07
THOC1	ENSG00000079134	THO complex 1 [Source:HGNC Symbol;Acc:19070]	1.19	3.8E-07
ASNSD1	ENSG00000138381	asparagine synthetase domain containing 1 [Source:HGNC Symbol;Acc:24910]	0.99	3.8E-07
IMMT	ENSG00000132305	inner membrane protein, mitochondrial [Source:HGNC Symbol;Acc:6047]	0.67	3.9E-07
CNOT10	ENSG00000182973	CCR4-NOT transcription complex, subunit 10 [Source:HGNC Symbol;Acc:23817]	0.83	3.9E-07
SLC38A5	ENSG00000017483	solute carrier family 38, member 5 [Source:HGNC Symbol;Acc:18070]	0.97	3.9E-07
--	ENSG00000270081	--	1.32	4.0E-07
UNC93A	ENSG00000112494	unc-93 homolog A (C. elegans) [Source:HGNC Symbol;Acc:12570]	1.91	4.0E-07
AHSA1	ENSG00000100591	AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast) [Source:HGNC Symbol;Acc:1189]	0.71	4.1E-07
MCIDAS	ENSG00000234602	multiciliate differentiation and DNA synthesis associated cell cycle protein [Source:HGNC Symbol;Acc:40050]	2.13	4.1E-07
C22orf39	ENSG00000242259	chromosome 22 open reading frame 39 [Source:HGNC Symbol;Acc:27012]	1.02	4.1E-07

ATF7IP2	ENSG00000166669	activating transcription factor 7 interacting protein 2 [Source:HGNC Symbol;Acc:20397]	1.50	4.2E-07
AKR1C4	ENSG00000198610	aldo-keto reductase family 1, member C4 [Source:HGNC Symbol;Acc:387]	1.38	4.3E-07
SLC2A11	ENSG00000133460	solute carrier family 2 (facilitated glucose transporter), member 11 [Source:HGNC Symbol;Acc:14239]	1.47	4.4E-07
FH	ENSG00000091483	fumarate hydratase [Source:HGNC Symbol;Acc:3700]	0.78	4.4E-07
CCND1	ENSG00000110092	cyclin D1 [Source:HGNC Symbol;Acc:1582]	0.78	4.4E-07
CDC123	ENSG00000151465	cell division cycle 123 [Source:HGNC Symbol;Acc:16827]	0.84	4.4E-07
CDK20	ENSG00000156345	cyclin-dependent kinase 20 [Source:HGNC Symbol;Acc:21420]	1.69	4.5E-07
--	ENSG00000245385	--	1.11	4.5E-07
NDUFS5	ENSG00000168653	NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase) [Source:HGNC Symbol;Acc:7712]	0.74	4.5E-07
HMG3-AS1	ENSG00000270362	HMG3 antisense RNA 1 [Source:HGNC Symbol;Acc:48984]	2.82	4.6E-07
CEBPZ	ENSG00000115816	CCAAT/enhancer binding protein (C/EBP), zeta [Source:HGNC Symbol;Acc:24218]	1.00	4.6E-07
PHF5A	ENSG00000100410	PHD finger protein 5A [Source:HGNC Symbol;Acc:18000]	0.78	4.6E-07
ASXL1	ENSG00000171456	additional sex combs like 1 (Drosophila) [Source:HGNC Symbol;Acc:18318]	0.69	4.6E-07
SET	ENSG00000119335	SET nuclear oncogene [Source:HGNC Symbol;Acc:10760]	0.91	4.8E-07
ZFP90	ENSG00000184939	ZFP90 zinc finger protein [Source:HGNC Symbol;Acc:23329]	1.16	4.8E-07
--	ENSG00000248408	--	3.57	4.9E-07
TEAD4	ENSG00000197905	TEA domain family member 4 [Source:HGNC Symbol;Acc:11717]	1.36	5.0E-07
WDR35	ENSG00000118965	WD repeat domain 35 [Source:HGNC Symbol;Acc:29250]	1.98	5.1E-07
GPR19	ENSG00000183150	G protein-coupled receptor 19 [Source:HGNC Symbol;Acc:4473]	3.25	5.1E-07
ADRA2C	ENSG00000184160	adrenoceptor alpha 2C [Source:HGNC Symbol;Acc:283]	3.24	5.1E-07
L3MBTL2	ENSG00000100395	l(3)mbt-like 2 (Drosophila) [Source:HGNC Symbol;Acc:18594]	0.79	5.2E-07
RTN4IP1	ENSG00000130347	reticulon 4 interacting protein 1 [Source:HGNC Symbol;Acc:18647]	1.24	5.2E-07

ANP32B	ENSG00000136938	acidic (leucine-rich) nuclear phosphoprotein 32 family, member B [Source:HGNC Symbol;Acc:16677]	0.95	5.2E-07
--	ENSG00000230124	--	1.29	5.3E-07
MRPL45	ENSG00000174100	mitochondrial ribosomal protein L45 [Source:HGNC Symbol;Acc:16651]	0.92	5.4E-07
L2HGDH	ENSG00000087299	L-2-hydroxyglutarate dehydrogenase [Source:HGNC Symbol;Acc:20499]	1.54	5.4E-07
DNAJC11	ENSG00000007923	DnaJ (Hsp40) homolog, subfamily C, member 11 [Source:HGNC Symbol;Acc:25570]	0.82	5.4E-07
APITD1	ENSG00000175279	apoptosis-inducing, TAF9-like domain 1 [Source:HGNC Symbol;Acc:23163]	1.49	5.6E-07
TFR2	ENSG00000106327	transferrin receptor 2 [Source:HGNC Symbol;Acc:11762]	1.90	5.6E-07
YARS2	ENSG00000139131	tyrosyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:24249]	0.89	5.6E-07
ZNF37BP	ENSG00000234420	zinc finger protein 37B, pseudogene [Source:HGNC Symbol;Acc:13103]	1.41	5.7E-07
SHF	ENSG00000138606	Src homology 2 domain containing F [Source:HGNC Symbol;Acc:25116]	1.91	5.7E-07
GRIN1	ENSG00000176884	glutamate receptor, ionotropic, N-methyl D-aspartate 1 [Source:HGNC Symbol;Acc:4584]	1.60	5.8E-07
HNMT	ENSG00000150540	histamine N-methyltransferase [Source:HGNC Symbol;Acc:5028]	0.95	5.9E-07
ATG3	ENSG00000144848	autophagy related 3 [Source:HGNC Symbol;Acc:20962]	0.86	5.9E-07
NHLRC3	ENSG00000188811	NHL repeat containing 3 [Source:HGNC Symbol;Acc:33751]	1.21	6.0E-07
DMC1	ENSG00000100206	DNA meiotic recombinase 1 [Source:HGNC Symbol;Acc:2927]	3.75	6.1E-07
ALOX15	ENSG00000161905	arachidonate 15-lipoxygenase [Source:HGNC Symbol;Acc:433]	2.79	6.2E-07
NUDT15	ENSG00000136159	nudix (nucleoside diphosphate linked moiety X)-type motif 15 [Source:HGNC Symbol;Acc:23063]	0.93	6.2E-07
POLR2K	ENSG00000147669	polymerase (RNA) II (DNA directed) polypeptide K, 7.0kDa [Source:HGNC Symbol;Acc:9198]	0.86	6.2E-07

--	ENSG00000256546	--	1.90	6.3E-07
ZBTB2	ENSG00000181472	zinc finger and BTB domain containing 2 [Source:HGNC Symbol;Acc:20868]	0.94	6.3E-07
LAGE3	ENSG00000196976	L antigen family, member 3 [Source:HGNC Symbol;Acc:26058]	1.30	6.3E-07
SCML2	ENSG00000102098	sex comb on midleg-like 2 (Drosophila) [Source:HGNC Symbol;Acc:10581]	3.55	6.4E-07
TRMT6	ENSG00000089195	tRNA methyltransferase 6 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:20900]	0.86	6.4E-07
PCMTD2	ENSG00000203880	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2 [Source:HGNC Symbol;Acc:15882]	0.97	6.5E-07
HNRNPM	ENSG00000099783	heterogeneous nuclear ribonucleoprotein M [Source:HGNC Symbol;Acc:5046]	0.73	6.5E-07
ZNF793	ENSG00000188227	zinc finger protein 793 [Source:HGNC Symbol;Acc:33115]	1.41	6.5E-07
MAGOH	ENSG00000162385	mag0-nashi homolog, proliferation-associated (Drosophila) [Source:HGNC Symbol;Acc:6815]	0.88	6.6E-07
B9D1	ENSG00000108641	B9 protein domain 1 [Source:HGNC Symbol;Acc:24123]	1.26	6.6E-07
STX6	ENSG00000135823	syntaxin 6 [Source:HGNC Symbol;Acc:11441]	0.78	6.7E-07
SCAMP3	ENSG00000116521	secretory carrier membrane protein 3 [Source:HGNC Symbol;Acc:10565]	1.08	6.8E-07
TOMM20L	ENSG00000196860	translocase of outer mitochondrial membrane 20 homolog (yeast)-like [Source:HGNC Symbol;Acc:33752]	2.23	6.8E-07
--	ENSG00000216895	Protein LOC100506302 [Source:UniProtKB/TrEMBL;Acc:B5MCR4]	1.45	6.8E-07
C7orf50	ENSG00000146540	chromosome 7 open reading frame 50 [Source:HGNC Symbol;Acc:22421]	1.32	6.9E-07
C19orf54	ENSG00000188493	chromosome 19 open reading frame 54 [Source:HGNC Symbol;Acc:24758]	0.95	6.9E-07
TOMM34	ENSG00000025772	translocase of outer mitochondrial membrane 34 [Source:HGNC Symbol;Acc:15746]	0.80	6.9E-07
--	ENSG00000263272	--	1.12	6.9E-07

DEK	ENSG00000124795	DEK oncogene [Source:HGNC Symbol;Acc:2768] neuropilin (NRP) and tolloid (TLL)-like 2 [Source:HGNC Symbol;Acc:14644]	1.20	7.0E-07
NETO2	ENSG00000171208	WD repeat domain 90 [Source:HGNC Symbol;Acc:26960]	1.34	7.0E-07
WDR90	ENSG00000161996	nephronophthisis 1 (juvenile) [Source:HGNC Symbol;Acc:7905]	1.15	7.0E-07
NPHP1	ENSG00000144061	aldehyde dehydrogenase 3 family, member A2 [Source:HGNC Symbol;Acc:403]	3.37	7.0E-07
ALDH3A2	ENSG00000072210	translation machinery associated 16 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:25638]	0.77	7.1E-07
TMA16	ENSG00000198498	oxoglutarate (alpha-ketoglutarate) receptor 1 [Source:HGNC Symbol;Acc:4531]	1.32	7.1E-07
OXGR1	ENSG00000165621	chromosome 9 open reading frame 129 [Source:HGNC Symbol;Acc:31116]	3.74	7.2E-07
C9orf129	ENSG00000204352	septin 6 [Source:HGNC Symbol;Acc:15848]	1.05	7.4E-07
SEPT6	ENSG00000125354	nei endonuclease VIII-like 1 ( <i>E. coli</i> ) [Source:HGNC Symbol;Acc:18448]	1.01	7.4E-07
NEIL1	ENSG00000140398	elongator acetyltransferase complex subunit 4 [Source:HGNC Symbol;Acc:1171]	1.14	7.4E-07
ELP4	ENSG00000109911	selenophosphate synthetase 2 [Source:HGNC Symbol;Acc:19686]	1.03	7.5E-07
SEPHS2	ENSG00000179918	B-cell CLL/lymphoma 9 [Source:HGNC Symbol;Acc:1008]	0.68	7.6E-07
BCL9	ENSG00000116128	peptidylprolyl isomerase (cyclophilin)-like 3 [Source:HGNC Symbol;Acc:9262]	1.01	7.7E-07
PPIL3	ENSG00000240344	nucleoporin 188kDa [Source:HGNC Symbol;Acc:17859]	0.92	7.7E-07
NUP188	ENSG00000095319	ankyrin repeat domain 36 [Source:HGNC Symbol;Acc:24079]	0.79	7.8E-07
ANKRD36	ENSG00000135976	--	1.49	7.8E-07
--	ENSG00000224272	--	1.09	7.8E-07
RBL1	ENSG00000080839	retinoblastoma-like 1 (p107) [Source:HGNC Symbol;Acc:9893]	0.85	7.9E-07
--	ENSG00000242479	--	1.59	8.0E-07
SELENBP1	ENSG00000143416	selenium binding protein 1 [Source:HGNC Symbol;Acc:10719]	0.90	8.0E-07



SLC35G1	ENSG00000176273	solute carrier family 35, member G1 [Source:HGNC Symbol;Acc:26607]	1.24	8.1E-07
RPS19	ENSG00000105372	ribosomal protein S19 [Source:HGNC Symbol;Acc:10402]	1.02	8.1E-07
CPS1	ENSG00000021826	carbamoyl-phosphate synthase 1, mitochondrial [Source:HGNC Symbol;Acc:2323]	2.34	8.1E-07
CCT3	ENSG00000163468	chaperonin containing TCP1, subunit 3 (gamma) [Source:HGNC Symbol;Acc:1616]	0.73	8.2E-07
GSTCD	ENSG00000138780	glutathione S-transferase, C-terminal domain containing [Source:HGNC Symbol;Acc:25806]	1.32	8.3E-07
BCL11B	ENSG00000127152	B-cell CLL/lymphoma 11B (zinc finger protein) [Source:HGNC Symbol;Acc:13222]	1.56	8.3E-07
--	ENSG00000260206	--	1.07	8.3E-07
--	ENSG00000236452	--	3.71	8.4E-07
USP39	ENSG00000168883	ubiquitin specific peptidase 39 [Source:HGNC Symbol;Acc:20071]	0.62	8.4E-07
HMG5	ENSG00000198157	high mobility group nucleosome binding domain 5 [Source:HGNC Symbol;Acc:8013]	3.09	8.5E-07
WDR91	ENSG00000105875	WD repeat domain 91 [Source:HGNC Symbol;Acc:24997]	1.38	8.6E-07
SKA2	ENSG00000182628	spindle and kinetochore associated complex subunit 2 [Source:HGNC Symbol;Acc:28006]	1.06	8.6E-07
SPATA3-AS1	ENSG00000238062	SPATA3 antisense RNA 1 (head to head) [Source:HGNC Symbol;Acc:28013]	2.95	8.6E-07
RPS6KL1	ENSG00000198208	ribosomal protein S6 kinase-like 1 [Source:HGNC Symbol;Acc:20222]	0.91	8.7E-07
FKTN	ENSG00000106692	fukutin [Source:HGNC Symbol;Acc:3622]	1.31	8.7E-07
UTP3	ENSG00000132467	UTP3, small subunit (SSU) processome component, homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:24477]	0.75	8.7E-07
MDC1-AS1	ENSG00000224328	MDC1 antisense RNA 1 [Source:HGNC Symbol;Acc:39764]	2.16	8.8E-07
TP53	ENSG00000141510	tumor protein p53 [Source:HGNC Symbol;Acc:11998]	1.00	8.8E-07
--	ENSG00000261008	--	3.19	8.9E-07
KDM1A	ENSG00000004487	lysine (K)-specific demethylase 1A [Source:HGNC Symbol;Acc:29079]	0.65	9.0E-07

GAS6	ENSG00000183087	growth arrest-specific 6 [Source:HGNC Symbol;Acc:4168] transmembrane and coiled-coil domains 6 [Source:HGNC Symbol;Acc:28814]	1.37	9.3E-07
TMCO6	ENSG00000113119	tensin 4 [Source:HGNC Symbol;Acc:24352]	0.90	9.3E-07
TNS4	ENSG00000131746	TP73 antisense RNA 1 [Source:HGNC Symbol;Acc:29052]	1.18	9.6E-07
TP73-AS1	ENSG00000227372	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15 [Source:HGNC Symbol;Acc:10985]	3.32	9.7E-07
SLC25A15	ENSG00000102743	protein phosphatase, Mg <sup>2+</sup> /Mn <sup>2+</sup> dependent, 1G [Source:HGNC Symbol;Acc:9278]	1.53	9.7E-07
PPM1G	ENSG00000115241	coiled-coil domain containing 18 [Source:HGNC Symbol;Acc:30370]	0.65	9.7E-07
CCDC18	ENSG00000122483	HEN1 methyltransferase homolog 1 (Arabidopsis) [Source:HGNC Symbol;Acc:26400]	1.21	9.8E-07
HENMT1	ENSG00000162639	testis specific, 10 [Source:HGNC Symbol;Acc:14927]	0.98	9.8E-07
TSGA10	ENSG00000135951	replication protein A1, 70kDa [Source:HGNC Symbol;Acc:10289]	1.75	1.0E-06
RPA1	ENSG00000132383	family with sequence similarity 86, member B1 [Source:HGNC Symbol;Acc:28268]	0.93	1.0E-06
FAM86B1	ENSG00000186523	dendrin [Source:HGNC Symbol;Acc:24458]	1.22	1.0E-06
DDN	ENSG00000181418	family with sequence similarity 227, member A [Source:HGNC Symbol;Acc:44197]	2.23	1.0E-06
FAM227A	ENSG00000184949	MNX1 antisense RNA 1 (head to head) [Source:HGNC Symbol;Acc:48954]	2.32	1.0E-06
MNX1-AS1	ENSG00000243479	--	2.79	1.0E-06
--	ENSG00000267194	elongator acetyltransferase complex subunit 3 [Source:HGNC Symbol;Acc:20696]	2.02	1.1E-06
ELP3	ENSG00000134014	--	1.06	1.1E-06
--	ENSG00000262482	centrosomal protein 70kDa [Source:HGNC Symbol;Acc:29972]	1.73	1.1E-06
CEP70	ENSG00000114107	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional) [Source:HGNC Symbol;Acc:23989]	0.93	1.1E-06
ACCS	ENSG00000110455	CD6 molecule [Source:HGNC Symbol;Acc:1691]	1.44	1.1E-06
CD6	ENSG00000013725		3.50	1.1E-06

SDHAF1	ENSG00000205138	succinate dehydrogenase complex assembly factor 1 [Source:HGNC Symbol;Acc:33867]	1.19	1.1E-06
MAN1A1	ENSG00000111885	mannosidase, alpha, class 1A, member 1 [Source:HGNC Symbol;Acc:6821]	2.01	1.1E-06
NHLRC1	ENSG00000187566	NHL repeat containing E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:21576]	1.54	1.1E-06
LRRC24	ENSG00000254402	leucine rich repeat containing 24 [Source:HGNC Symbol;Acc:28947]	1.13	1.1E-06
TFB1M	ENSG00000029639	transcription factor B1, mitochondrial [Source:HGNC Symbol;Acc:17037]	0.91	1.1E-06
COA7	ENSG00000162377	cytochrome c oxidase assembly factor 7 [Source:HGNC Symbol;Acc:25716]	0.94	1.1E-06
IMMP1L	ENSG00000148950	IMP1 inner mitochondrial membrane peptidase-like ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:26317]	0.97	1.1E-06
DPF1	ENSG00000011332	D4, zinc and double PHD fingers family 1 [Source:HGNC Symbol;Acc:20225]	1.93	1.1E-06
--	ENSG00000214999	--	2.46	1.1E-06
C19orf44	ENSG00000105072	chromosome 19 open reading frame 44 [Source:HGNC Symbol;Acc:26141]	0.79	1.1E-06
ADO	ENSG00000181915	2-aminoethanethiol (cysteamine) dioxygenase [Source:HGNC Symbol;Acc:23506]	1.05	1.1E-06
SMYD3	ENSG00000185420	SET and MYND domain containing 3 [Source:HGNC Symbol;Acc:15513]	1.07	1.2E-06
--	ENSG00000258525	--	2.53	1.2E-06
SNHG18	ENSG00000250786	small nucleolar RNA host gene 18 (non-protein coding) [Source:HGNC Symbol;Acc:49007]	1.06	1.2E-06
ARMC10	ENSG00000170632	armadillo repeat containing 10 [Source:HGNC Symbol;Acc:21706]	0.79	1.2E-06
LINC01123	ENSG00000204588	long intergenic non-protein coding RNA 1123 [Source:HGNC Symbol;Acc:49269]	1.32	1.2E-06

BRMS1L	ENSG00000100916	breast cancer metastasis-suppressor 1-like [Source:HGNC Symbol;Acc:20512]	1.46	1.2E-06
GAPDHS	ENSG00000105679	glyceraldehyde-3-phosphate dehydrogenase, spermatogenic [Source:HGNC Symbol;Acc:24864]	2.41	1.2E-06
SOX1	ENSG00000182968	SRY (sex determining region Y)-box 1 [Source:HGNC Symbol;Acc:11189]	3.18	1.2E-06
PDK2	ENSG00000005882	pyruvate dehydrogenase kinase, isozyme 2 [Source:HGNC Symbol;Acc:8810]	1.14	1.2E-06
ATP6V0E2-A	ENSG00000204934	ATP6V0E2 antisense RNA 1 [Source:HGNC Symbol;Acc:44180]	1.69	1.2E-06
GATA6-AS1	ENSG00000266010	GATA6 antisense RNA 1 (head to head) [Source:HGNC Symbol;Acc:48840]	1.41	1.2E-06
ASPHD1	ENSG00000174939	aspartate beta-hydroxylase domain containing 1 [Source:HGNC Symbol;Acc:27380]	1.09	1.2E-06
EIF2B1	ENSG00000111361	eukaryotic translation initiation factor 2B, subunit 1 alpha, 26kDa [Source:HGNC Symbol;Acc:3257]	0.67	1.2E-06
LHFPL5	ENSG00000197753	lipoma HMGIC fusion partner-like 5 [Source:HGNC Symbol;Acc:21253]	0.83	1.3E-06
SULT1C4	ENSG00000198075	sulfotransferase family, cytosolic, 1C, member 4 [Source:HGNC Symbol;Acc:11457]	2.99	1.3E-06
SPATC1L	ENSG00000160284	spermatogenesis and centriole associated 1-like [Source:HGNC Symbol;Acc:1298]	1.94	1.3E-06
LTA4H	ENSG00000111144	leukotriene A4 hydrolase [Source:HGNC Symbol;Acc:6710]	0.84	1.3E-06
--	ENSG00000254433	--	1.26	1.4E-06
RPE	ENSG00000197713	ribulose-5-phosphate-3-epimerase [Source:HGNC Symbol;Acc:10293]	0.90	1.4E-06
PMS2P1	ENSG00000078319	postmeiotic segregation increased 2 pseudogene 1 [Source:HGNC Symbol;Acc:9123]	1.09	1.4E-06
ACTR5	ENSG00000101442	ARP5 actin-related protein 5 homolog (yeast) [Source:HGNC Symbol;Acc:14671]	0.86	1.4E-06
COL27A1	ENSG00000196739	collagen, type XXVII, alpha 1 [Source:HGNC Symbol;Acc:22986]	1.74	1.4E-06

NCBP2-AS2	ENSG00000270170	NCBP2 antisense RNA 2 (head to head) [Source:HGNC Symbol;Acc:25121]	1.10	1.4E-06
WRB	ENSG00000182093	tryptophan rich basic protein [Source:HGNC Symbol;Acc:12790]	1.18	1.4E-06
CHCHD7	ENSG00000170791	coiled-coil-helix-coiled-coil-helix domain containing 7 [Source:HGNC Symbol;Acc:28314]	0.80	1.5E-06
EMC1	ENSG00000127463	ER membrane protein complex subunit 1 [Source:HGNC Symbol;Acc:28957]	0.76	1.5E-06
SHPRH	ENSG00000146414	SNF2 histone linker PHD RING helicase, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:19336]	1.01	1.5E-06
PAXBP1	ENSG00000159086	PAX3 and PAX7 binding protein 1 [Source:HGNC Symbol;Acc:13579]	0.98	1.5E-06
RPS21	ENSG00000171858	ribosomal protein S21 [Source:HGNC Symbol;Acc:10409]	0.94	1.5E-06
ARHGAP33	ENSG00000004777	Rho GTPase activating protein 33 [Source:HGNC Symbol;Acc:23085]	2.01	1.6E-06
C11orf48	ENSG00000162194	chromosome 11 open reading frame 48 [Source:HGNC Symbol;Acc:28351]	0.80	1.6E-06
ZNF572	ENSG00000180938	zinc finger protein 572 [Source:HGNC Symbol;Acc:26758]	1.72	1.6E-06
ZNF215	ENSG00000149054	zinc finger protein 215 [Source:HGNC Symbol;Acc:13007]	1.04	1.6E-06
POLB	ENSG00000070501	polymerase (DNA directed), beta [Source:HGNC Symbol;Acc:9174]	0.76	1.7E-06
CCAR1	ENSG00000060339	cell division cycle and apoptosis regulator 1 [Source:HGNC Symbol;Acc:24236]	0.88	1.7E-06
TERT	ENSG00000164362	telomerase reverse transcriptase [Source:HGNC Symbol;Acc:11730]	3.46	1.7E-06
XRCC6BP1	ENSG00000166896	XRCC6 binding protein 1 [Source:HGNC Symbol;Acc:29452]	1.24	1.7E-06
--	ENSG00000259081	--	2.51	1.7E-06
SCG2	ENSG00000171951	secretogranin II [Source:HGNC Symbol;Acc:10575]	1.28	1.7E-06
ILF2	ENSG00000143621	interleukin enhancer binding factor 2 [Source:HGNC Symbol;Acc:6037]	0.72	1.7E-06
KLRG2	ENSG00000188883	killer cell lectin-like receptor subfamily G, member 2 [Source:HGNC Symbol;Acc:24778]	2.99	1.8E-06
--	ENSG00000255308	--	3.26	1.8E-06
TRIM32	ENSG00000119401	tripartite motif containing 32 [Source:HGNC Symbol;Acc:16380]	0.86	1.8E-06

TSLP	ENSG00000145777	thymic stromal lymphopoietin [Source:HGNC Symbol;Acc:30743]	3.07	1.8E-06
DAK	ENSG00000149476	dihydroxyacetone kinase 2 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:24552]	0.89	1.9E-06
HSDL2	ENSG00000119471	hydroxysteroid dehydrogenase like 2 [Source:HGNC Symbol;Acc:18572]	0.81	1.9E-06
--	ENSG00000272054	--	1.05	1.9E-06
TRMT1	ENSG00000104907	tRNA methyltransferase 1 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:25980]	1.33	1.9E-06
DDX27	ENSG00000124228	DEAD (Asp-Glu-Ala-Asp) box polypeptide 27 [Source:HGNC Symbol;Acc:15837]	0.59	1.9E-06
ORC3	ENSG00000135336	origin recognition complex, subunit 3 [Source:HGNC Symbol;Acc:8489]	0.86	2.0E-06
ZNF428	ENSG00000131116	zinc finger protein 428 [Source:HGNC Symbol;Acc:20804]	1.14	2.0E-06
SEC61A2	ENSG00000065665	Sec61 alpha 2 subunit ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:17702]	0.80	2.0E-06
--	ENSG00000223509	--	2.14	2.0E-06
XYLT2	ENSG00000015532	xylosyltransferase II [Source:HGNC Symbol;Acc:15517]	0.95	2.0E-06
FAM122B	ENSG00000156504	family with sequence similarity 122B [Source:HGNC Symbol;Acc:30490]	0.84	2.0E-06
MRPL48	ENSG00000175581	mitochondrial ribosomal protein L48 [Source:HGNC Symbol;Acc:16653]	0.80	2.0E-06
BARD1	ENSG00000138376	BRCA1 associated RING domain 1 [Source:HGNC Symbol;Acc:952]	1.30	2.1E-06
CAMKMT	ENSG00000143919	calmodulin-lysine N-methyltransferase [Source:HGNC Symbol;Acc:26276]	0.93	2.1E-06
BCL2L12	ENSG00000126453	BCL2-like 12 (proline rich) [Source:HGNC Symbol;Acc:13787]	1.09	2.1E-06
NFE2L3	ENSG00000050344	nuclear factor, erythroid 2-like 3 [Source:HGNC Symbol;Acc:7783]	0.93	2.1E-06
KIAA1257	ENSG00000114656	KIAA1257 [Source:HGNC Symbol;Acc:29231]	1.46	2.1E-06
GNPDA2	ENSG00000163281	glucosamine-6-phosphate deaminase 2 [Source:HGNC Symbol;Acc:21526]	1.33	2.1E-06

DCK	ENSG00000156136	deoxycytidine kinase [Source:HGNC Symbol;Acc:2704]	1.35	2.1E-06
CCNG1	ENSG00000113328	cyclin G1 [Source:HGNC Symbol;Acc:1592]	0.90	2.2E-06
TPP2	ENSG00000134900	tripeptidyl peptidase II [Source:HGNC Symbol;Acc:12016]	0.86	2.2E-06
SLC41A1	ENSG00000133065	solute carrier family 41 (magnesium transporter), member 1 [Source:HGNC Symbol;Acc:19429]	1.26	2.2E-06
POMGNT2	ENSG00000144647	protein O-linked mannose N-acetylglucosaminyltransferase 2 (beta 1,4-) [Source:HGNC Symbol;Acc:25902]	1.28	2.2E-06
COA6	ENSG00000168275	cytochrome c oxidase assembly factor 6 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:18025]	0.87	2.2E-06
TEAD2	ENSG00000074219	TEA domain family member 2 [Source:HGNC Symbol;Acc:11715]	1.11	2.3E-06
CCDC25	ENSG00000147419	coiled-coil domain containing 25 [Source:HGNC Symbol;Acc:25591]	0.83	2.3E-06
LIN9	ENSG00000183814	lin-9 homolog ( <i>C. elegans</i> ) [Source:HGNC Symbol;Acc:30830]	1.36	2.3E-06
RIF1	ENSG00000080345	RAP1 interacting factor homolog (yeast) [Source:HGNC Symbol;Acc:23207]	1.10	2.3E-06
HOXB3	ENSG00000120093	homeobox B3 [Source:HGNC Symbol;Acc:5114]	0.95	2.4E-06
GNL2	ENSG00000134697	guanine nucleotide binding protein-like 2 (nucleolar) [Source:HGNC Symbol;Acc:29925]	0.69	2.4E-06
RABGGTB	ENSG00000137955	Rab geranylgeranyltransferase, beta subunit [Source:HGNC Symbol;Acc:9796]	0.66	2.4E-06
ZNF736	ENSG00000234444	zinc finger protein 736 [Source:HGNC Symbol;Acc:32467]	1.38	2.4E-06
TMEM70	ENSG00000175606	transmembrane protein 70 [Source:HGNC Symbol;Acc:26050]	0.83	2.4E-06
TOP2B	ENSG00000077097	topoisomerase (DNA) II beta 180kDa [Source:HGNC Symbol;Acc:11990]	0.98	2.4E-06
ZNF614	ENSG00000142556	zinc finger protein 614 [Source:HGNC Symbol;Acc:24722]	1.10	2.4E-06
FAHD1	ENSG00000180185	fumarylacetoacetate hydrolase domain containing 1 [Source:HGNC Symbol;Acc:14169]	0.64	2.4E-06
PDSS2	ENSG00000164494	prenyl (decaprenyl) diphosphate synthase, subunit 2 [Source:HGNC Symbol;Acc:23041]	1.03	2.4E-06
NDNL2	ENSG00000185115	necdin-like 2 [Source:HGNC Symbol;Acc:7677]	1.21	2.4E-06

B4GALNT4	ENSG00000182272	beta-1,4-N-acetyl-galactosaminyl transferase 4 [Source:HGNC Symbol;Acc:26315]	1.86	2.5E-06
C11orf73	ENSG00000149196	chromosome 11 open reading frame 73 [Source:HGNC Symbol;Acc:26938]	0.67	2.5E-06
ZNF93	ENSG00000184635	zinc finger protein 93 [Source:HGNC Symbol;Acc:13169]	1.51	2.5E-06
GPX1P1	ENSG00000197582	glutathione peroxidase pseudogene 1 [Source:HGNC Symbol;Acc:4560]	1.10	2.5E-06
BRD8	ENSG00000112983	bromodomain containing 8 [Source:HGNC Symbol;Acc:19874]	0.72	2.5E-06
C1orf131	ENSG00000143633	chromosome 1 open reading frame 131 [Source:HGNC Symbol;Acc:25332]	0.91	2.5E-06
SPN	ENSG00000197471	sialophorin [Source:HGNC Symbol;Acc:11249]	2.93	2.6E-06
KIAA1586	ENSG00000168116	KIAA1586 [Source:HGNC Symbol;Acc:21360]	1.73	2.7E-06
DHX30	ENSG00000132153	DEAH (Asp-Glu-Ala-His) box helicase 30 [Source:HGNC Symbol;Acc:16716]	0.95	2.8E-06
GAS2L3	ENSG00000139354	growth arrest-specific 2 like 3 [Source:HGNC Symbol;Acc:27475]	1.23	2.8E-06
--	ENSG00000272452	--	2.43	2.8E-06
GRAMD1A	ENSG00000089351	GRAM domain containing 1A [Source:HGNC Symbol;Acc:29305]	1.19	3.0E-06
POLR2F	ENSG00000100142	polymerase (RNA) II (DNA directed) polypeptide F [Source:HGNC Symbol;Acc:9193]	0.96	3.0E-06
COA5	ENSG00000183513	cytochrome c oxidase assembly factor 5 [Source:HGNC Symbol;Acc:33848]	0.87	3.0E-06
--	ENSG00000230561	--	1.44	3.0E-06
GOLGA2P7	ENSG00000225151	golgin A2 pseudogene 7 [Source:HGNC Symbol;Acc:49516]	0.88	3.0E-06
NPAT	ENSG00000149308	nuclear protein, ataxia-telangiectasia locus [Source:HGNC Symbol;Acc:7896]	1.14	3.0E-06
--	ENSG00000243150	--	1.18	3.0E-06
REPS2	ENSG00000169891	RALBP1 associated Eps domain containing 2 [Source:HGNC Symbol;Acc:9963]	0.83	3.0E-06
--	ENSG00000247228	--	1.42	3.0E-06



XRCC1	ENSG00000073050	X-ray repair complementing defective repair in Chinese hamster cells 1 [Source:HGNC Symbol;Acc:12828]	0.86	3.1E-06
C1orf233	ENSG00000228594	chromosome 1 open reading frame 233 [Source:HGNC Symbol;Acc:42951]	1.25	3.1E-06
RBM26	ENSG00000139746	RNA binding motif protein 26 [Source:HGNC Symbol;Acc:20327]	0.88	3.1E-06
CWF19L1	ENSG00000095485	CWF19-like 1, cell cycle control ( <i>S. pombe</i> ) [Source:HGNC Symbol;Acc:25613]	0.83	3.2E-06
HAT1	ENSG00000128708	histone acetyltransferase 1 [Source:HGNC Symbol;Acc:4821]	1.19	3.2E-06
PFDN6	ENSG00000204220	prefoldin subunit 6 [Source:HGNC Symbol;Acc:4926]	0.75	3.2E-06
--	ENSG00000226754	--	1.84	3.2E-06
PLCB2	ENSG00000137841	phospholipase C, beta 2 [Source:HGNC Symbol;Acc:9055]	2.16	3.3E-06
GOLIM4	ENSG00000173905	golgi integral membrane protein 4 [Source:HGNC Symbol;Acc:15448]	1.12	3.3E-06
MBLAC2	ENSG00000176055	metallo-beta-lactamase domain containing 2 [Source:HGNC Symbol;Acc:33711]	1.73	3.3E-06
TUBGCP5	ENSG00000153575	tubulin, gamma complex associated protein 5 [Source:HGNC Symbol;Acc:18600]	1.32	3.4E-06
ZIC5	ENSG00000139800	Zic family member 5 [Source:HGNC Symbol;Acc:20322]	1.27	3.4E-06
STARD13	ENSG00000133121	StAR-related lipid transfer (START) domain containing 13 [Source:HGNC Symbol;Acc:19164]	1.05	3.4E-06
FAR1	ENSG00000197601	fatty acyl CoA reductase 1 [Source:HGNC Symbol;Acc:26222]	0.97	3.4E-06
TTC23	ENSG00000103852	tetratricopeptide repeat domain 23 [Source:HGNC Symbol;Acc:25730]	1.03	3.4E-06
--	ENSG00000262714	--	2.02	3.5E-06
GCNT1	ENSG00000187210	glucosaminyl (N-acetyl) transferase 1, core 2 [Source:HGNC Symbol;Acc:4203]	0.85	3.5E-06
NAA15	ENSG00000164134	N(alpha)-acetyltransferase 15, NatA auxiliary subunit [Source:HGNC Symbol;Acc:30782]	1.06	3.5E-06
ZNF445	ENSG00000185219	zinc finger protein 445 [Source:HGNC Symbol;Acc:21018]	0.82	3.5E-06

C18orf54	ENSG00000166845	chromosome 18 open reading frame 54 [Source:HGNC Symbol;Acc:13796]	2.04	3.6E-06
CPSF4	ENSG00000160917	cleavage and polyadenylation specific factor 4, 30kDa [Source:HGNC Symbol;Acc:2327]	0.87	3.6E-06
--	ENSG00000263859	--	1.26	3.6E-06
TIMM13	ENSG00000099800	translocase of inner mitochondrial membrane 13 homolog (yeast) [Source:HGNC Symbol;Acc:11816]	1.35	3.6E-06
TUFM	ENSG00000178952	Tu translation elongation factor, mitochondrial [Source:HGNC Symbol;Acc:12420]	0.82	3.6E-06
RPL38	ENSG00000172809	ribosomal protein L38 [Source:HGNC Symbol;Acc:10349]	0.77	3.6E-06
--	ENSG00000272356	--	1.45	3.7E-06
FAM86JP	ENSG00000171084	family with sequence similarity 86, member J, pseudogene [Source:HGNC Symbol;Acc:44097]	1.21	3.7E-06
EVA1C	ENSG00000166979	eva-1 homolog C (C. elegans) [Source:HGNC Symbol;Acc:13239]	1.37	3.7E-06
HS2ST1	ENSG00000153936	heparan sulfate 2-O-sulfotransferase 1 [Source:HGNC Symbol;Acc:5193]	0.98	3.7E-06
DUSP2	ENSG00000158050	dual specificity phosphatase 2 [Source:HGNC Symbol;Acc:3068]	1.69	3.7E-06
LINC00242	ENSG00000229214	long intergenic non-protein coding RNA 242 [Source:HGNC Symbol;Acc:21249]	3.18	3.7E-06
BMS1	ENSG00000165733	BMS1 ribosome biogenesis factor [Source:HGNC Symbol;Acc:23505]	0.70	3.8E-06
FAM86C1	ENSG00000158483	family with sequence similarity 86, member C1 [Source:HGNC Symbol;Acc:25561]	0.91	3.8E-06
CPSF6	ENSG00000111605	cleavage and polyadenylation specific factor 6, 68kDa [Source:HGNC Symbol;Acc:13871]	0.79	3.8E-06
PRDX2	ENSG00000167815	peroxiredoxin 2 [Source:HGNC Symbol;Acc:9353]	0.86	3.9E-06
RPL39L	ENSG00000163923	ribosomal protein L39-like [Source:HGNC Symbol;Acc:17094]	0.98	3.9E-06
C6orf48	ENSG00000204387	chromosome 6 open reading frame 48 [Source:HGNC Symbol;Acc:19078]	0.81	3.9E-06
--	ENSG00000266969	--	1.46	3.9E-06

FSD1L	ENSG00000106701	fibronectin type III and SPRY domain containing 1-like [Source:HGNC Symbol;Acc:13753]	1.48	3.9E-06
FAIM	ENSG00000158234	Fas apoptotic inhibitory molecule [Source:HGNC Symbol;Acc:18703]	0.81	4.0E-06
MRPS15	ENSG00000116898	mitochondrial ribosomal protein S15 [Source:HGNC Symbol;Acc:14504]	0.71	4.0E-06
HSD17B8	ENSG00000204228	hydroxysteroid (17-beta) dehydrogenase 8 [Source:HGNC Symbol;Acc:3554]	1.45	4.1E-06
KARS	ENSG00000065427	lysyl-tRNA synthetase [Source:HGNC Symbol;Acc:6215]	0.55	4.1E-06
USP1	ENSG00000162607	ubiquitin specific peptidase 1 [Source:HGNC Symbol;Acc:12607]	1.16	4.1E-06
ACAD8	ENSG00000151498	acyl-CoA dehydrogenase family, member 8 [Source:HGNC Symbol;Acc:87]	0.71	4.2E-06
--	ENSG00000270147	--	2.27	4.2E-06
GTF2H3	ENSG00000111358	general transcription factor IIH, polypeptide 3, 34kDa [Source:HGNC Symbol;Acc:4657]	0.95	4.3E-06
ERLIN1	ENSG00000107566	ER lipid raft associated 1 [Source:HGNC Symbol;Acc:16947]	0.90	4.3E-06
RPS9	ENSG00000170889	ribosomal protein S9 [Source:HGNC Symbol;Acc:10442]	0.98	4.3E-06
--	ENSG00000273066	--	1.49	4.3E-06
SH3BGRL	ENSG00000131171	SH3 domain binding glutamic acid-rich protein like [Source:HGNC Symbol;Acc:10823]	1.31	4.4E-06
DEPDC4	ENSG00000166153	DEP domain containing 4 [Source:HGNC Symbol;Acc:22952]	2.57	4.4E-06
--	ENSG00000269983	--	1.65	4.4E-06
KIAA1244	ENSG00000112379	KIAA1244 [Source:HGNC Symbol;Acc:21213]	0.91	4.5E-06
RPL24	ENSG00000114391	ribosomal protein L24 [Source:HGNC Symbol;Acc:10325]	0.81	4.5E-06
MACROD1	ENSG00000133315	MACRO domain containing 1 [Source:HGNC Symbol;Acc:29598]	1.08	4.5E-06
ZBTB39	ENSG00000166860	zinc finger and BTB domain containing 39 [Source:HGNC Symbol;Acc:29014]	1.06	4.5E-06
--	ENSG00000259901	--	3.16	4.5E-06
RPL18A	ENSG00000105640	ribosomal protein L18a [Source:HGNC Symbol;Acc:10311]	1.11	4.6E-06

SCUBE3	ENSG00000146197	signal peptide, CUB domain, EGF-like 3 [Source:HGNC Symbol;Acc:13655]	2.39	4.6E-06
PLA2G3	ENSG00000100078	phospholipase A2, group III [Source:HGNC Symbol;Acc:17934]	1.65	4.6E-06
FGFBP3	ENSG00000174721	fibroblast growth factor binding protein 3 [Source:HGNC Symbol;Acc:23428]	2.69	4.7E-06
INPP5J	ENSG00000185133	inositol polyphosphate-5-phosphatase J [Source:HGNC Symbol;Acc:8956]	0.97	4.7E-06
--	ENSG00000266918	--	2.25	4.7E-06
AATF	ENSG00000108270	apoptosis antagonizing transcription factor [Source:HGNC Symbol;Acc:19235]	0.72	4.7E-06
HNRNPA3	ENSG00000170144	heterogeneous nuclear ribonucleoprotein A3 [Source:HGNC Symbol;Acc:24941]	0.59	4.8E-06
ANKRD23	ENSG00000163126	ankyrin repeat domain 23 [Source:HGNC Symbol;Acc:24470]	1.13	4.9E-06
PLEKHH2	ENSG00000152527	pleckstrin homology domain containing, family H (with MyTH4 domain) member 2 [Source:HGNC Symbol;Acc:30506]	2.54	4.9E-06
KATNB1	ENSG00000140854	katanin p80 (WD repeat containing) subunit B 1 [Source:HGNC Symbol;Acc:6217]	1.18	4.9E-06
--	ENSG00000250303	--	2.63	4.9E-06
--	ENSG00000255474	--	1.06	5.0E-06
PEX3	ENSG00000034693	peroxisomal biogenesis factor 3 [Source:HGNC Symbol;Acc:8858]	1.17	5.0E-06
TXNRD3	ENSG00000197763	thioredoxin reductase 3 [Source:HGNC Symbol;Acc:20667]	1.48	5.0E-06
NOTCH4	ENSG00000204301	notch 4 [Source:HGNC Symbol;Acc:7884]	2.03	5.1E-06
UQCC1	ENSG00000101019	ubiquinol-cytochrome c reductase complex assembly factor 1 [Source:HGNC Symbol;Acc:15891]	0.64	5.1E-06
LSM10	ENSG00000181817	LSM10, U7 small nuclear RNA associated [Source:HGNC Symbol;Acc:17562]	1.06	5.2E-06
--	ENSG00000250132	--	2.72	5.2E-06
PSAT1	ENSG00000135069	phosphoserine aminotransferase 1 [Source:HGNC Symbol;Acc:19129]	1.25	5.2E-06

MAP2K6	ENSG00000108984	mitogen-activated protein kinase kinase 6 [Source:HGNC Symbol;Acc:6846]	1.36	5.2E-06
GXYLT2	ENSG00000172986	glucoside xylosyltransferase 2 [Source:HGNC Symbol;Acc:33383]	3.18	5.2E-06
NFXL1	ENSG00000170448	nuclear transcription factor, X-box binding-like 1 [Source:HGNC Symbol;Acc:18726]	0.82	5.3E-06
CHST14	ENSG00000169105	carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 14 [Source:HGNC Symbol;Acc:24464]	1.78	5.3E-06
SIX4	ENSG00000100625	SIX homeobox 4 [Source:HGNC Symbol;Acc:10890]	2.45	5.3E-06
DNALI1	ENSG00000163879	dynein, axonemal, light intermediate chain 1 [Source:HGNC Symbol;Acc:14353]	1.38	5.3E-06
C2orf69	ENSG00000178074	chromosome 2 open reading frame 69 [Source:HGNC Symbol;Acc:26799]	1.17	5.4E-06
RCN1	ENSG00000049449	reticulocalbin 1, EF-hand calcium binding domain [Source:HGNC Symbol;Acc:9934]	0.69	5.4E-06
CWC27	ENSG00000153015	CWC27 spliceosome-associated protein homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:10664]	1.22	5.5E-06
APOA1BP	ENSG00000163382	apolipoprotein A-I binding protein [Source:HGNC Symbol;Acc:18453]	0.80	5.6E-06
--	ENSG00000249743	--	2.47	5.6E-06
BACE1	ENSG00000186318	beta-site APP-cleaving enzyme 1 [Source:HGNC Symbol;Acc:933]	1.14	5.6E-06
PRPF4	ENSG00000136875	pre-mRNA processing factor 4 [Source:HGNC Symbol;Acc:17349]	0.68	5.6E-06
CEP164P1	ENSG00000226937	centrosomal protein 164kDa pseudogene 1 [Source:HGNC Symbol;Acc:44988]	1.36	5.6E-06
KBTBD4	ENSG00000123444	kelch repeat and BTB (POZ) domain containing 4 [Source:HGNC Symbol;Acc:23761]	0.69	5.7E-06
INTS2	ENSG00000108506	integrator complex subunit 2 [Source:HGNC Symbol;Acc:29241]	1.05	5.8E-06
--	ENSG00000248429	--	1.08	5.9E-06
--	ENSG00000228801	--	1.82	5.9E-06
AHI1	ENSG00000135541	Abelson helper integration site 1 [Source:HGNC Symbol;Acc:21575]	0.93	5.9E-06

CAMK1	ENSG00000134072	calcium/calmodulin-dependent protein kinase I [Source:HGNC Symbol;Acc:1459]	1.01	6.0E-06
BDH2	ENSG00000164039	3-hydroxybutyrate dehydrogenase, type 2 [Source:HGNC Symbol;Acc:32389]	3.30	6.0E-06
FAM149B1	ENSG00000138286	family with sequence similarity 149, member B1 [Source:HGNC Symbol;Acc:29162]	0.77	6.0E-06
KIAA1430	ENSG00000164323	KIAA1430 [Source:HGNC Symbol;Acc:29276]	1.30	6.0E-06
TPPP3	ENSG00000159713	tubulin polymerization-promoting protein family member 3 [Source:HGNC Symbol;Acc:24162]	1.71	6.0E-06
TIMM10B	ENSG00000132286	translocase of inner mitochondrial membrane 10 homolog B (yeast) [Source:HGNC Symbol;Acc:4022]	0.69	6.1E-06
--	ENSG00000258824	--	2.19	6.1E-06
RSRC1	ENSG00000174891	arginine/serine-rich coiled-coil 1 [Source:HGNC Symbol;Acc:24152]	0.89	6.1E-06
CDAN1	ENSG00000140326	codanin 1 [Source:HGNC Symbol;Acc:1713]	1.13	6.2E-06
ZNF815P	ENSG00000235944	zinc finger protein 815, pseudogene [Source:HGNC Symbol;Acc:22029]	3.46	6.2E-06
MRPS14	ENSG00000120333	mitochondrial ribosomal protein S14 [Source:HGNC Symbol;Acc:14049]	0.83	6.3E-06
--	ENSG00000264019	--	0.78	6.3E-06
DHX35	ENSG00000101452	DEAH (Asp-Glu-Ala-His) box polypeptide 35 [Source:HGNC Symbol;Acc:15861]	0.85	6.3E-06
HVCN1	ENSG00000122986	hydrogen voltage-gated channel 1 [Source:HGNC Symbol;Acc:28240]	1.57	6.4E-06
--	ENSG00000249721	--	2.53	6.4E-06
CD37	ENSG00000104894	CD37 molecule [Source:HGNC Symbol;Acc:1666]	1.43	6.4E-06
RBBP4	ENSG00000162521	retinoblastoma binding protein 4 [Source:HGNC Symbol;Acc:9887]	0.79	6.5E-06
ZNF486	ENSG00000256229	zinc finger protein 486 [Source:HGNC Symbol;Acc:20807]	1.20	6.5E-06
--	ENSG00000263588	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:J3KTR3]	3.30	6.5E-06
--	ENSG00000250669	--	2.67	6.5E-06
RAD50	ENSG00000113522	RAD50 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:9816]	0.93	6.6E-06

ZNF738	ENSG00000172687	zinc finger protein 738 [Source:HGNC Symbol;Acc:32469]	1.10	6.6E-06
GPR68	ENSG00000119714	G protein-coupled receptor 68 [Source:HGNC Symbol;Acc:4519]	2.09	6.7E-06
FGF2	ENSG00000138685	fibroblast growth factor 2 (basic) [Source:HGNC Symbol;Acc:3676]	2.36	6.7E-06
ARHGAP19	ENSG00000213390	Rho GTPase activating protein 19 [Source:HGNC Symbol;Acc:23724]	1.03	6.7E-06
RPS11	ENSG00000142534	ribosomal protein S11 [Source:HGNC Symbol;Acc:10384]	0.82	6.7E-06
--	ENSG00000263843	--	1.37	6.8E-06
PIP4K2B	ENSG00000141720	phosphatidylinositol-5-phosphate 4-kinase, type II, beta [Source:HGNC Symbol;Acc:8998]	0.81	6.8E-06
MRPL4	ENSG00000105364	mitochondrial ribosomal protein L4 [Source:HGNC Symbol;Acc:14276]	1.35	6.8E-06
FUNDC1	ENSG00000069509	FUN14 domain containing 1 [Source:HGNC Symbol;Acc:28746]	0.70	6.8E-06
ATAD3A	ENSG00000197785	ATPase family, AAA domain containing 3A [Source:HGNC Symbol;Acc:25567]	1.33	6.9E-06
PPARGC1B	ENSG00000155846	peroxisome proliferator-activated receptor gamma, coactivator 1 beta [Source:HGNC Symbol;Acc:30022]	1.07	6.9E-06
FCAMR	ENSG00000162897	Fc receptor, IgA, IgM, high affinity [Source:HGNC Symbol;Acc:24692]	2.22	6.9E-06
ZNHIT6	ENSG00000117174	zinc finger, HIT-type containing 6 [Source:HGNC Symbol;Acc:26089]	1.02	7.0E-06
--	ENSG00000257596	--	2.19	7.0E-06
CD83	ENSG00000112149	CD83 molecule [Source:HGNC Symbol;Acc:1703]	1.98	7.1E-06
--	ENSG00000264207	--	1.98	7.2E-06
EIF4EBP1	ENSG00000187840	eukaryotic translation initiation factor 4E binding protein 1 [Source:HGNC Symbol;Acc:3288]	1.22	7.2E-06
--	ENSG00000271976	--	1.01	7.2E-06
--	ENSG00000241720	--	0.71	7.3E-06
THOP1	ENSG00000172009	thimet oligopeptidase 1 [Source:HGNC Symbol;Acc:11793]	1.14	7.4E-06
RPL39	ENSG00000198918	ribosomal protein L39 [Source:HGNC Symbol;Acc:10350]	0.86	7.4E-06
SHMT2	ENSG00000182199	serine hydroxymethyltransferase 2 (mitochondrial) [Source:HGNC Symbol;Acc:10852]	0.77	7.4E-06

RCBTB2	ENSG00000136161	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2 [Source:HGNC Symbol;Acc:1914]	2.51	7.5E-06
MAPK15	ENSG00000181085	mitogen-activated protein kinase 15 [Source:HGNC Symbol;Acc:24667]	1.13	7.5E-06
ENOX2	ENSG00000165675	ecto-NOX disulfide-thiol exchanger 2 [Source:HGNC Symbol;Acc:2259]	0.95	7.5E-06
SLC17A9	ENSG00000101194	solute carrier family 17 (vesicular nucleotide transporter), member 9 [Source:HGNC Symbol;Acc:16192]	1.23	7.5E-06
MAT2A	ENSG00000168906	methionine adenosyltransferase II, alpha [Source:HGNC Symbol;Acc:6904]	0.70	7.6E-06
B3GNT9	ENSG00000237172	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 9 [Source:HGNC Symbol;Acc:28714]	0.82	7.6E-06
MCAT	ENSG00000100294	malonyl CoA:ACP acyltransferase (mitochondrial) [Source:HGNC Symbol;Acc:29622]	0.97	7.7E-06
--	ENSG00000272149	--	1.64	7.7E-06
AASDH	ENSG00000157426	aminoadipate-semialdehyde dehydrogenase [Source:HGNC Symbol;Acc:23993]	0.95	7.8E-06
SERPINF2	ENSG00000167711	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2 [Source:HGNC Symbol;Acc:9075]	1.22	7.8E-06
--	ENSG00000256663	--	3.01	7.9E-06
--	ENSG00000170161	--	1.54	7.9E-06
RABL5	ENSG00000128581	RAB, member RAS oncogene family-like 5 [Source:HGNC Symbol;Acc:21895]	1.03	7.9E-06
LPCAT3	ENSG00000111684	lysophosphatidylcholine acyltransferase 3 [Source:HGNC Symbol;Acc:30244]	0.57	8.0E-06
D2HGDH	ENSG00000180902	D-2-hydroxyglutarate dehydrogenase [Source:HGNC Symbol;Acc:28358]	1.30	8.0E-06



GNPAT	ENSG00000116906	glyceronephosphate O-acyltransferase [Source:HGNC Symbol;Acc:4416]	0.70	8.0E-06
MPC2	ENSG00000143158	mitochondrial pyruvate carrier 2 [Source:HGNC Symbol;Acc:24515]	0.63	8.1E-06
MECOM	ENSG00000085276	MDS1 and EVI1 complex locus [Source:HGNC Symbol;Acc:3498]	1.04	8.3E-06
GRIN2B	ENSG00000273079	glutamate receptor, ionotropic, N-methyl D-aspartate 2B [Source:HGNC Symbol;Acc:4586]	0.91	8.4E-06
TTC5	ENSG00000136319	tetratricopeptide repeat domain 5 [Source:HGNC Symbol;Acc:19274]	0.98	8.4E-06
--	ENSG00000268402	--	2.74	8.5E-06
SPDYA	ENSG00000163806	speedy/RINGO cell cycle regulator family member A [Source:HGNC Symbol;Acc:30613]	1.28	8.5E-06
C2orf48	ENSG00000163009	chromosome 2 open reading frame 48 [Source:HGNC Symbol;Acc:26322]	3.24	8.6E-06
--	ENSG00000267577	--	1.68	8.8E-06
C2orf43	ENSG00000118961	chromosome 2 open reading frame 43 [Source:HGNC Symbol;Acc:26145]	0.81	8.8E-06
ZNF346	ENSG00000113761	zinc finger protein 346 [Source:HGNC Symbol;Acc:16403]	1.00	8.8E-06
RPS15A	ENSG00000134419	ribosomal protein S15a [Source:HGNC Symbol;Acc:10389]	1.09	9.0E-06
UTP11L	ENSG00000183520	UTP11-like, U3 small nucleolar ribonucleoprotein, (yeast) [Source:HGNC Symbol;Acc:24329]	0.83	9.0E-06
RPAP3	ENSG00000005175	RNA polymerase II associated protein 3 [Source:HGNC Symbol;Acc:26151]	1.09	9.1E-06
GARNL3	ENSG00000136895	GTPase activating Rap/RanGAP domain-like 3 [Source:HGNC Symbol;Acc:25425]	1.33	9.1E-06
VWCE	ENSG00000167992	von Willebrand factor C and EGF domains [Source:HGNC Symbol;Acc:26487]	1.93	9.2E-06
PHGDH	ENSG00000092621	phosphoglycerate dehydrogenase [Source:HGNC Symbol;Acc:8923]	1.55	9.2E-06
GABPB1-AS1	ENSG00000244879	GABPB1 antisense RNA 1 [Source:HGNC Symbol;Acc:44157]	1.80	9.3E-06
RPS14	ENSG00000164587	ribosomal protein S14 [Source:HGNC Symbol;Acc:10387]	0.88	9.3E-06

NPRL2	ENSG00000114388	nitrogen permease regulator-like 2 ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:24969]	0.88	9.3E-06
ASUN	ENSG00000064102	asunder spermatogenesis regulator [Source:HGNC Symbol;Acc:20174]	0.97	9.4E-06
GBGT1	ENSG00000148288	globoside alpha-1,3-N-acetylgalactosaminyltransferase 1 [Source:HGNC Symbol;Acc:20460]	2.71	9.4E-06
MRPL40	ENSG00000185608	mitochondrial ribosomal protein L40 [Source:HGNC Symbol;Acc:14491]	1.04	9.5E-06
SNHG7	ENSG00000233016	small nucleolar RNA host gene 7 (non-protein coding) [Source:HGNC Symbol;Acc:28254]	1.03	9.5E-06
HNRNPR	ENSG00000125944	heterogeneous nuclear ribonucleoprotein R [Source:HGNC Symbol;Acc:5047]	0.95	9.7E-06
--	ENSG00000261556	--	1.25	9.8E-06
CEBPZ-AS1	ENSG00000218739	CEBPZ antisense RNA 1 [Source:HGNC Symbol;Acc:49288]	0.88	9.9E-06
--	ENSG00000260260	--	1.57	1.0E-05
COMMD10	ENSG00000145781	COMM domain containing 10 [Source:HGNC Symbol;Acc:30201]	0.92	1.0E-05
ZNF584	ENSG00000171574	zinc finger protein 584 [Source:HGNC Symbol;Acc:27318]	1.47	1.0E-05
SPAG16	ENSG00000144451	sperm associated antigen 16 [Source:HGNC Symbol;Acc:23225]	1.04	1.0E-05
WDYHV1	ENSG00000156795	WDYHV motif containing 1 [Source:HGNC Symbol;Acc:25490]	0.91	1.0E-05
--	ENSG00000250186	--	1.05	1.0E-05
CEP68	ENSG00000011523	centrosomal protein 68kDa [Source:HGNC Symbol;Acc:29076]	0.80	1.0E-05
MANEA	ENSG00000172469	mannosidase, endo-alpha [Source:HGNC Symbol;Acc:21072]	2.37	1.0E-05
OARD1	ENSG00000124596	O-acyl-ADP-ribose deacylase 1 [Source:HGNC Symbol;Acc:21257]	0.68	1.0E-05
RAB36	ENSG00000100228	RAB36, member RAS oncogene family [Source:HGNC Symbol;Acc:9775]	1.51	1.0E-05
UBA2	ENSG00000126261	ubiquitin-like modifier activating enzyme 2 [Source:HGNC Symbol;Acc:30661]	0.75	1.1E-05
TIMM23	ENSG00000138297	translocase of inner mitochondrial membrane 23 homolog (yeast) [Source:HGNC Symbol;Acc:17312]	0.69	1.1E-05

COQ7	ENSG00000167186	coenzyme Q7 homolog, ubiquinone (yeast) [Source:HGNC Symbol;Acc:2244]	0.72	1.1E-05
SLC6A6	ENSG00000131389	solute carrier family 6 (neurotransmitter transporter), member 6 [Source:HGNC Symbol;Acc:11052]	0.93	1.1E-05
RPL36A	ENSG00000241343	ribosomal protein L36a [Source:HGNC Symbol;Acc:10359]	1.11	1.1E-05
GCHFR	ENSG00000137880	GTP cyclohydrolase I feedback regulator [Source:HGNC Symbol;Acc:4194]	1.41	1.1E-05
APPL1	ENSG00000157500	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1 [Source:HGNC Symbol;Acc:24035]	1.03	1.1E-05
ADK	ENSG00000156110	adenosine kinase [Source:HGNC Symbol;Acc:257]	0.86	1.1E-05
RNPS1	ENSG00000205937	RNA binding protein S1, serine-rich domain [Source:HGNC Symbol;Acc:10080]	0.60	1.1E-05
MRPS31	ENSG00000102738	mitochondrial ribosomal protein S31 [Source:HGNC Symbol;Acc:16632]	0.78	1.1E-05
REXO2	ENSG00000076043	RNA exonuclease 2 [Source:HGNC Symbol;Acc:17851]	0.75	1.1E-05
MRGBP	ENSG00000101189	MRG/MORF4L binding protein [Source:HGNC Symbol;Acc:15866]	0.75	1.1E-05
PDCD2	ENSG00000071994	programmed cell death 2 [Source:HGNC Symbol;Acc:8762]	0.67	1.1E-05
NFS1	ENSG00000244005	NFS1 cysteine desulfurase [Source:HGNC Symbol;Acc:15910]	0.76	1.1E-05
FAS	ENSG00000026103	Fas cell surface death receptor [Source:HGNC Symbol;Acc:11920]	1.18	1.1E-05
RPL26	ENSG00000161970	ribosomal protein L26 [Source:HGNC Symbol;Acc:10327]	1.19	1.1E-05
--	ENSG00000236155	--	1.28	1.1E-05
MXRA7	ENSG00000182534	matrix-remodelling associated 7 [Source:HGNC Symbol;Acc:7541]	1.01	1.2E-05
TMEM9	ENSG00000116857	transmembrane protein 9 [Source:HGNC Symbol;Acc:18823]	0.78	1.2E-05
CNPY4	ENSG00000166997	canopy FGF signaling regulator 4 [Source:HGNC Symbol;Acc:28631]	1.99	1.2E-05
SPR	ENSG00000116096	sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase) [Source:HGNC Symbol;Acc:11257]	0.72	1.2E-05
AIF1L	ENSG00000126878	allograft inflammatory factor 1-like [Source:HGNC Symbol;Acc:28904]	0.83	1.2E-05

DNAJC2	ENSG00000105821	DnaJ (Hsp40) homolog, subfamily C, member 2 [Source:HGNC Symbol;Acc:13192]	0.90	1.2E-05
MIPEP	ENSG00000027001	mitochondrial intermediate peptidase [Source:HGNC Symbol;Acc:7104]	0.87	1.2E-05
ASTN2	ENSG00000148219	astrotactin 2 [Source:HGNC Symbol;Acc:17021]	1.69	1.2E-05
BCCIP	ENSG00000107949	BRCA2 and CDKN1A interacting protein [Source:HGNC Symbol;Acc:978]	0.64	1.2E-05
DERL3	ENSG00000099958	derlin 3 [Source:HGNC Symbol;Acc:14236]	1.84	1.2E-05
HOXB7	ENSG00000260027	homeobox B7 [Source:HGNC Symbol;Acc:5118]	0.74	1.2E-05
NME4	ENSG00000103202	NME/NM23 nucleoside diphosphate kinase 4 [Source:HGNC Symbol;Acc:7852]	1.09	1.2E-05
ANAPC13	ENSG00000129055	anaphase promoting complex subunit 13 [Source:HGNC Symbol;Acc:24540]	0.72	1.2E-05
--	ENSG00000261526	--	1.41	1.2E-05
PHF10	ENSG00000130024	PHD finger protein 10 [Source:HGNC Symbol;Acc:18250]	0.90	1.2E-05
PLCH1	ENSG00000114805	phospholipase C, eta 1 [Source:HGNC Symbol;Acc:29185]	1.04	1.2E-05
KLHL8	ENSG00000145332	kelch-like family member 8 [Source:HGNC Symbol;Acc:18644]	1.15	1.2E-05
PLA2G4A	ENSG00000116711	phospholipase A2, group IVA (cytosolic, calcium-dependent) [Source:HGNC Symbol;Acc:9035]	3.05	1.3E-05
RIOK2	ENSG00000058729	RIO kinase 2 [Source:HGNC Symbol;Acc:18999]	0.89	1.3E-05
HNRNPD	ENSG00000138668	heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kDa) [Source:HGNC Symbol;Acc:5036]	0.66	1.3E-05
GAS6-AS1	ENSG00000233695	GAS6 antisense RNA 1 [Source:HGNC Symbol;Acc:39826]	1.44	1.3E-05
NUDT8	ENSG00000167799	nudix (nucleoside diphosphate linked moiety X)-type motif 8 [Source:HGNC Symbol;Acc:8055]	1.28	1.3E-05
KHSRP	ENSG00000088247	KH-type splicing regulatory protein [Source:HGNC Symbol;Acc:6316]	0.73	1.3E-05
CFTR	ENSG00000001626	cystic fibrosis transmembrane conductance regulator (ATP-binding cassette sub-family C, member 7) [Source:HGNC Symbol;Acc:1884]	1.02	1.3E-05
GPR137C	ENSG00000180998	G protein-coupled receptor 137C [Source:HGNC Symbol;Acc:25445]	2.92	1.3E-05

KCNMB4	ENSG00000135643	potassium large conductance calcium-activated channel, subfamily M, beta member 4 [Source:HGNC Symbol;Acc:6289]	0.78	1.3E-05
MORN2	ENSG00000188010	MORN repeat containing 2 [Source:HGNC Symbol;Acc:30166]	0.97	1.3E-05
NOC2L	ENSG00000188976	nucleolar complex associated 2 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:24517]	0.97	1.3E-05
CLPB	ENSG00000162129	ClpB caseinolytic peptidase B homolog (E. coli) [Source:HGNC Symbol;Acc:30664]	0.92	1.3E-05
METTL21B	ENSG00000123427	methyltransferase like 21B [Source:HGNC Symbol;Acc:24936]	1.51	1.3E-05
LARS2	ENSG00000011376	leucyl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:17095]	0.85	1.3E-05
LCLAT1	ENSG00000172954	lysocardiolipin acyltransferase 1 [Source:HGNC Symbol;Acc:26756]	0.94	1.3E-05
GUF1	ENSG00000151806	GUF1 GTPase homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:25799]	0.87	1.4E-05
WDR18	ENSG00000065268	WD repeat domain 18 [Source:HGNC Symbol;Acc:17956]	1.19	1.4E-05
RRP1	ENSG00000160214	ribosomal RNA processing 1 [Source:HGNC Symbol;Acc:18785]	0.92	1.4E-05
TTL	ENSG00000114999	tubulin tyrosine ligase [Source:HGNC Symbol;Acc:21586]	0.71	1.4E-05
ATP5I	ENSG00000169020	ATP synthase, H <sup>+</sup> transporting, mitochondrial Fo complex, subunit E [Source:HGNC Symbol;Acc:846]	0.83	1.4E-05
ALKBH4	ENSG00000160993	alkB, alkylation repair homolog 4 (E. coli) [Source:HGNC Symbol;Acc:21900]	1.01	1.4E-05
C1orf53	ENSG00000203724	chromosome 1 open reading frame 53 [Source:HGNC Symbol;Acc:30003]	1.45	1.4E-05
NT5C3B	ENSG00000141698	5'-nucleotidase, cytosolic IIIB [Source:HGNC Symbol;Acc:28300]	0.86	1.4E-05
IMPACT	ENSG00000154059	impact RWD domain protein [Source:HGNC Symbol;Acc:20387]	1.04	1.4E-05
FAM96AP2	ENSG00000224566	family with sequence similarity 96, member A pseudogene 2 [Source:HGNC Symbol;Acc:43862]	2.43	1.4E-05
ECT2	ENSG00000114346	epithelial cell transforming sequence 2 oncogene [Source:HGNC Symbol;Acc:3155]	1.08	1.4E-05

SNRPD3	ENSG00000100028	small nuclear ribonucleoprotein D3 polypeptide 18kDa [Source:HGNC Symbol;Acc:11160]	0.59	1.4E-05
--	ENSG00000268432	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R239]	1.50	1.5E-05
CNTNAP1	ENSG00000108797	contactin associated protein 1 [Source:HGNC Symbol;Acc:8011]	1.24	1.5E-05
KIF27	ENSG00000165115	kinesin family member 27 [Source:HGNC Symbol;Acc:18632]	1.29	1.5E-05
--	ENSG00000245330	--	2.53	1.5E-05
RPLP1	ENSG00000137818	ribosomal protein, large, P1 [Source:HGNC Symbol;Acc:10372]	1.06	1.5E-05
AMER1	ENSG00000184675	APC membrane recruitment protein 1 [Source:HGNC Symbol;Acc:26837]	1.10	1.5E-05
SIVA1	ENSG00000184990	SIVA1, apoptosis-inducing factor [Source:HGNC Symbol;Acc:17712]	1.18	1.5E-05
TRIM28	ENSG00000130726	tripartite motif containing 28 [Source:HGNC Symbol;Acc:16384]	0.99	1.5E-05
NFYB	ENSG00000120837	nuclear transcription factor Y, beta [Source:HGNC Symbol;Acc:7805]	0.87	1.5E-05
NT5DC4	ENSG00000144130	5'-nucleotidase domain containing 4 [Source:HGNC Symbol;Acc:27678]	1.47	1.5E-05
TMEM38A	ENSG00000072954	transmembrane protein 38A [Source:HGNC Symbol;Acc:28462]	1.26	1.5E-05
AFAP1-AS1	ENSG00000272620	AFAP1 antisense RNA 1 [Source:HGNC Symbol;Acc:28141]	0.73	1.5E-05
DDX46	ENSG00000145833	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46 [Source:HGNC Symbol;Acc:18681]	0.73	1.6E-05
CTU2	ENSG00000174177	cytosolic thiouridylase subunit 2 homolog (S. pombe) [Source:HGNC Symbol;Acc:28005]	1.43	1.6E-05
MBNL3	ENSG00000076770	muscleblind-like splicing regulator 3 [Source:HGNC Symbol;Acc:20564]	1.21	1.6E-05
PRAC2	ENSG00000229637	prostate cancer susceptibility candidate 2 [Source:HGNC Symbol;Acc:30143]	1.69	1.6E-05
USP10	ENSG00000103194	ubiquitin specific peptidase 10 [Source:HGNC Symbol;Acc:12608]	0.78	1.6E-05
--	ENSG00000234936	--	1.53	1.6E-05
--	ENSG00000262026	--	0.75	1.6E-05
WDR53	ENSG00000185798	WD repeat domain 53 [Source:HGNC Symbol;Acc:28786]	0.98	1.6E-05
CD163L1	ENSG00000177675	CD163 molecule-like 1 [Source:HGNC Symbol;Acc:30375]	0.86	1.6E-05

FDXACB1	ENSG00000255561	ferredoxin-fold anticodon binding domain containing 1 [Source:HGNC Symbol;Acc:25110]	1.42	1.6E-05
SYNM	ENSG00000182253	synemin, intermediate filament protein [Source:HGNC Symbol;Acc:24466]	2.18	1.6E-05
RMND1	ENSG00000155906	required for meiotic nuclear division 1 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:21176]	0.93	1.6E-05
LRRC6	ENSG00000129295	leucine rich repeat containing 6 [Source:HGNC Symbol;Acc:16725]	0.93	1.7E-05
--	ENSG00000260766	--	1.51	1.7E-05
PHKA2-AS1	ENSG00000237836	PHKA2 antisense RNA 1 [Source:HGNC Symbol;Acc:44110]	1.29	1.7E-05
KRT10	ENSG00000186395	keratin 10 [Source:HGNC Symbol;Acc:6413]	1.00	1.7E-05
LETMD1	ENSG00000050426	LETM1 domain containing 1 [Source:HGNC Symbol;Acc:24241]	0.70	1.7E-05
TCTN3	ENSG00000119977	tectonic family member 3 [Source:HGNC Symbol;Acc:24519]	0.67	1.8E-05
HDAC4	ENSG00000068024	histone deacetylase 4 [Source:HGNC Symbol;Acc:14063]	1.00	1.8E-05
SNX2	ENSG00000205302	sorting nexin 2 [Source:HGNC Symbol;Acc:11173]	1.00	1.8E-05
--	ENSG00000264112	--	1.11	1.8E-05
GTF3A	ENSG00000122034	general transcription factor IIIA [Source:HGNC Symbol;Acc:4662]	0.73	1.8E-05
XPOT	ENSG00000184575	exportin, tRNA [Source:HGNC Symbol;Acc:12826]	0.79	1.8E-05
TLE2	ENSG00000065717	transducin-like enhancer of split 2 ( <i>E(sp1)</i> homolog, <i>Drosophila</i> ) [Source:HGNC Symbol;Acc:11838]	1.31	1.8E-05
XRN2	ENSG00000088930	5'-3' exoribonuclease 2 [Source:HGNC Symbol;Acc:12836]	1.00	1.8E-05
--	ENSG00000268788	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R2X6]	0.81	1.8E-05
CHID1	ENSG00000177830	chitinase domain containing 1 [Source:HGNC Symbol;Acc:28474]	0.83	1.8E-05
NXPE4	ENSG00000137634	neurexophilin and PC-esterase domain family, member 4 [Source:HGNC Symbol;Acc:23117]	1.34	1.8E-05
--	ENSG00000248810	--	1.90	1.8E-05
CNN3	ENSG00000117519	calponin 3, acidic [Source:HGNC Symbol;Acc:2157]	0.89	1.9E-05
DNASE2	ENSG00000105612	deoxyribonuclease II, lysosomal [Source:HGNC Symbol;Acc:2960]	0.73	1.9E-05
FOXD2-AS1	ENSG00000237424	FOXD2 antisense RNA 1 (head to head) [Source:HGNC Symbol;Acc:44256]	1.28	1.9E-05

DCP1B	ENSG00000151065	decapping mRNA 1B [Source:HGNC Symbol;Acc:24451]	0.96	1.9E-05
TIMMDC1	ENSG00000113845	translocase of inner mitochondrial membrane domain containing 1 [Source:HGNC Symbol;Acc:1321]	0.55	1.9E-05
GALNT8	ENSG00000130035	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 8 (GalNAc-T8) [Source:HGNC Symbol;Acc:4130]	1.50	1.9E-05
PIM2	ENSG00000102096	pim-2 oncogene [Source:HGNC Symbol;Acc:8987]	0.72	1.9E-05
PRRT1	ENSG00000204314	proline-rich transmembrane protein 1 [Source:HGNC Symbol;Acc:13943]	1.61	2.0E-05
ATRAID	ENSG00000138085	all-trans retinoic acid-induced differentiation factor [Source:HGNC Symbol;Acc:24090]	0.54	2.0E-05
DSTYK	ENSG00000133059	dual serine/threonine and tyrosine protein kinase [Source:HGNC Symbol;Acc:29043]	1.15	2.0E-05
PHF7	ENSG00000010318	PHD finger protein 7 [Source:HGNC Symbol;Acc:18458]	1.65	2.0E-05
NUDCD1	ENSG00000120526	NudC domain containing 1 [Source:HGNC Symbol;Acc:24306]	0.96	2.0E-05
ORC2	ENSG00000115942	origin recognition complex, subunit 2 [Source:HGNC Symbol;Acc:8488]	0.78	2.0E-05
YY2	ENSG00000230797	YY2 transcription factor [Source:HGNC Symbol;Acc:31684]	2.14	2.0E-05
ZNF263	ENSG00000006194	zinc finger protein 263 [Source:HGNC Symbol;Acc:13056]	0.60	2.0E-05
MPV17L2	ENSG00000254858	MPV17 mitochondrial membrane protein-like 2 [Source:HGNC Symbol;Acc:28177]	1.12	2.0E-05
ACD	ENSG00000102977	adrenocortical dysplasia homolog (mouse) [Source:HGNC Symbol;Acc:25070]	1.12	2.1E-05
C3orf70	ENSG00000187068	chromosome 3 open reading frame 70 [Source:HGNC Symbol;Acc:33731]	1.29	2.1E-05
EID2	ENSG00000176396	EP300 interacting inhibitor of differentiation 2 [Source:HGNC Symbol;Acc:28292]	1.00	2.1E-05
TRMT5	ENSG00000126814	tRNA methyltransferase 5 [Source:HGNC Symbol;Acc:23141]	0.84	2.2E-05



PDHX	ENSG00000110435	pyruvate dehydrogenase complex, component X [Source:HGNC Symbol;Acc:21350]	0.82	2.2E-05
FARSA	ENSG00000179115	phenylalanyl-tRNA synthetase, alpha subunit [Source:HGNC Symbol;Acc:3592]	0.95	2.2E-05
C17orf96	ENSG00000179294	chromosome 17 open reading frame 96 [Source:HGNC Symbol;Acc:34493]	1.57	2.2E-05
CYB5A	ENSG00000166347	cytochrome b5 type A (microsomal) [Source:HGNC Symbol;Acc:2570]	0.69	2.2E-05
ARL9	ENSG00000196503	ADP-ribosylation factor-like 9 [Source:HGNC Symbol;Acc:23592]	2.33	2.2E-05
L3MBTL1	ENSG00000185513	l(3)mbt-like 1 (Drosophila) [Source:HGNC Symbol;Acc:15905]	0.86	2.2E-05
SARS2	ENSG00000104835	seryl-tRNA synthetase 2, mitochondrial [Source:HGNC Symbol;Acc:17697]	2.72	2.3E-05
SMOC2	ENSG00000112562	SPARC related modular calcium binding 2 [Source:HGNC Symbol;Acc:20323]	3.17	2.3E-05
SSBP4	ENSG00000130511	single stranded DNA binding protein 4 [Source:HGNC Symbol;Acc:15676]	1.36	2.3E-05
TBRG4	ENSG00000136270	transforming growth factor beta regulator 4 [Source:HGNC Symbol;Acc:17443]	0.80	2.3E-05
SMARCD1	ENSG00000066117	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1 [Source:HGNC Symbol;Acc:11106]	0.53	2.3E-05
HOXB13	ENSG00000159184	homeobox B13 [Source:HGNC Symbol;Acc:5112]	0.93	2.3E-05
--	ENSG00000227540	--	1.79	2.4E-05
PDHA1	ENSG00000131828	pyruvate dehydrogenase (lipoamide) alpha 1 [Source:HGNC Symbol;Acc:8806]	0.55	2.4E-05
FAM117B	ENSG00000138439	family with sequence similarity 117, member B [Source:HGNC Symbol;Acc:14440]	1.00	2.4E-05
SLC25A14	ENSG00000102078	solute carrier family 25 (mitochondrial carrier, brain), member 14 [Source:HGNC Symbol;Acc:10984]	0.84	2.4E-05
MIR155HG	ENSG00000234883	MIR155 host gene (non-protein coding) [Source:HGNC Symbol;Acc:35460]	1.69	2.5E-05

PNPT1	ENSG00000138035	polyribonucleotide nucleotidyltransferase 1 [Source:HGNC Symbol;Acc:23166]	1.03	2.6E-05
NAP1L5	ENSG00000177432	nucleosome assembly protein 1-like 5 [Source:HGNC Symbol;Acc:19968]	1.59	2.6E-05
KIAA1731	ENSG00000166004	KIAA1731 [Source:HGNC Symbol;Acc:29366]	0.90	2.6E-05
UBAC1	ENSG00000130560	UBA domain containing 1 [Source:HGNC Symbol;Acc:30221]	0.84	2.6E-05
ZNF789	ENSG00000198556	zinc finger protein 789 [Source:HGNC Symbol;Acc:27801]	0.71	2.6E-05
MEGF8	ENSG00000105429	multiple EGF-like-domains 8 [Source:HGNC Symbol;Acc:3233]	1.08	2.6E-05
C12orf10	ENSG00000139637	chromosome 12 open reading frame 10 [Source:HGNC Symbol;Acc:17590]	0.95	2.6E-05
SIRT3	ENSG00000142082	sirtuin 3 [Source:HGNC Symbol;Acc:14931]	0.70	2.6E-05
YEATS4	ENSG00000127337	YEATS domain containing 4 [Source:HGNC Symbol;Acc:24859]	1.17	2.6E-05
RCBTB1	ENSG00000136144	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 1 [Source:HGNC Symbol;Acc:18243]	1.55	2.6E-05
CBX3	ENSG00000122565	chromobox homolog 3 [Source:HGNC Symbol;Acc:1553]	0.88	2.7E-05
ODF2-AS1	ENSG00000225951	ODF2 antisense RNA 1 [Source:HGNC Symbol;Acc:49461]	1.35	2.7E-05
PARP16	ENSG00000138617	poly (ADP-ribose) polymerase family, member 16 [Source:HGNC Symbol;Acc:26040]	1.06	2.7E-05
MOAP1	ENSG00000165943	modulator of apoptosis 1 [Source:HGNC Symbol;Acc:16658]	0.72	2.7E-05
SLC35E3	ENSG00000175782	solute carrier family 35, member E3 [Source:HGNC Symbol;Acc:20864]	0.90	2.7E-05
KBTBD8	ENSG00000163376	kelch repeat and BTB (POZ) domain containing 8 [Source:HGNC Symbol;Acc:30691]	1.91	2.8E-05
RFX7	ENSG00000181827	regulatory factor X, 7 [Source:HGNC Symbol;Acc:25777]	0.86	2.8E-05
MTHFD2	ENSG00000065911	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase [Source:HGNC Symbol;Acc:7434]	0.74	2.8E-05
C6orf203	ENSG00000130349	chromosome 6 open reading frame 203 [Source:HGNC Symbol;Acc:17971]	0.82	2.8E-05

--	ENSG00000271524	--	2.41	2.8E-05
STIL	ENSG00000123473	SCL/TAL1 interrupting locus [Source:HGNC Symbol;Acc:10879]	0.63	2.8E-05
--	ENSG00000267002	--	1.48	2.9E-05
RPS16	ENSG00000105193	ribosomal protein S16 [Source:HGNC Symbol;Acc:10396]	0.83	2.9E-05
PPID	ENSG00000171497	peptidylprolyl isomerase D [Source:HGNC Symbol;Acc:9257]	0.69	2.9E-05
FAM178A	ENSG00000119906	family with sequence similarity 178, member A [Source:HGNC Symbol;Acc:17814]	0.68	2.9E-05
GLT8D1	ENSG00000016864	glycosyltransferase 8 domain containing 1 [Source:HGNC Symbol;Acc:24870]	0.64	2.9E-05
--	ENSG00000270332	--	3.10	2.9E-05
--	ENSG00000261845	--	0.74	2.9E-05
RAC3	ENSG00000169750	ras-related C3 botulinum toxin substrate 3 (rho family, small GTP binding protein Rac3) [Source:HGNC Symbol;Acc:9803]	1.36	2.9E-05
SLC16A1-AS1	ENSG00000226419	SLC16A1 antisense RNA 1 [Source:HGNC Symbol;Acc:49445]	1.80	2.9E-05
MRPL47	ENSG00000136522	mitochondrial ribosomal protein L47 [Source:HGNC Symbol;Acc:16652]	0.69	2.9E-05
ADARB1	ENSG00000197381	adenosine deaminase, RNA-specific, B1 [Source:HGNC Symbol;Acc:226]	1.08	2.9E-05
MAP10	ENSG00000212916	microtubule-associated protein 10 [Source:HGNC Symbol;Acc:29265]	1.53	2.9E-05
C6orf201	ENSG00000185689	chromosome 6 open reading frame 201 [Source:HGNC Symbol;Acc:21620]	1.38	2.9E-05
ATP5G2	ENSG00000135390	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C2 (subunit 9) [Source:HGNC Symbol;Acc:842]	0.86	3.0E-05
--	ENSG00000270135	--	3.12	3.0E-05
SMPDL3B	ENSG00000130768	sphingomyelin phosphodiesterase, acid-like 3B [Source:HGNC Symbol;Acc:21416]	0.72	3.0E-05
DDX54	ENSG00000123064	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54 [Source:HGNC Symbol;Acc:20084]	0.97	3.0E-05
CSRP2BP	ENSG00000149474	CSRP2 binding protein [Source:HGNC Symbol;Acc:15904]	1.07	3.0E-05

ZCCHC7	ENSG00000147905	zinc finger, CCHC domain containing 7 [Source:HGNC Symbol;Acc:26209]	0.88	3.0E-05
ATP6V1E2	ENSG00000250565	ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E2 [Source:HGNC Symbol;Acc:18125]	1.32	3.0E-05
RAB40A	ENSG00000172476	RAB40A, member RAS oncogene family [Source:HGNC Symbol;Acc:18283]	1.94	3.0E-05
RPP14	ENSG00000163684	ribonuclease P/MRP 14kDa subunit [Source:HGNC Symbol;Acc:30327]	0.67	3.0E-05
GPC2	ENSG00000213420	glypican 2 [Source:HGNC Symbol;Acc:4450]	2.09	3.1E-05
SRRM5	ENSG00000226763	serine/arginine repetitive matrix 5 [Source:HGNC Symbol;Acc:37248]	1.28	3.1E-05
MESP1	ENSG00000166823	mesoderm posterior 1 homolog (mouse) [Source:HGNC Symbol;Acc:29658]	2.08	3.1E-05
TLL2	ENSG00000120440	tubulin tyrosine ligase-like family, member 2 [Source:HGNC Symbol;Acc:21211]	2.44	3.1E-05
--	ENSG00000228172	--	0.77	3.1E-05
KLF11	ENSG00000172059	Kruppel-like factor 11 [Source:HGNC Symbol;Acc:11811]	0.77	3.2E-05
NUP85	ENSG00000125450	nucleoporin 85kDa [Source:HGNC Symbol;Acc:8734]	0.61	3.2E-05
--	ENSG00000261088	--	1.02	3.2E-05
CDCA3	ENSG00000111665	cell division cycle associated 3 [Source:HGNC Symbol;Acc:14624]	0.67	3.3E-05
CD27	ENSG00000139193	CD27 molecule [Source:HGNC Symbol;Acc:11922]	1.31	3.3E-05
LRRC2	ENSG00000163827	leucine rich repeat containing 2 [Source:HGNC Symbol;Acc:14676]	3.25	3.3E-05
IL17RD	ENSG00000144730	interleukin 17 receptor D [Source:HGNC Symbol;Acc:17616]	1.05	3.3E-05
--	ENSG00000203602	--	0.98	3.3E-05
STAB2	ENSG00000136011	stabilin 2 [Source:HGNC Symbol;Acc:18629]	1.74	3.4E-05
CBY1	ENSG00000100211	chibby homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:1307]	0.77	3.4E-05
--	ENSG00000232640	--	2.33	3.4E-05
NR2C2AP	ENSG00000184162	nuclear receptor 2C2-associated protein [Source:HGNC Symbol;Acc:30763]	0.88	3.4E-05

SRSF8	ENSG00000180771	serine/arginine-rich splicing factor 8 [Source:HGNC Symbol;Acc:16988]	0.82	3.4E-05
--	ENSG00000234072	--	0.72	3.5E-05
FAM185A	ENSG00000222011	family with sequence similarity 185, member A [Source:HGNC Symbol;Acc:22412]	1.13	3.5E-05
ANKRD46	ENSG00000186106	ankyrin repeat domain 46 [Source:HGNC Symbol;Acc:27229]	1.04	3.5E-05
ZNF174	ENSG00000103343	zinc finger protein 174 [Source:HGNC Symbol;Acc:12963]	1.04	3.5E-05
GPX1	ENSG00000233276	glutathione peroxidase 1 [Source:HGNC Symbol;Acc:4553]	1.01	3.6E-05
CCND2-AS1	ENSG00000256164	CCND2 antisense RNA 1 [Source:HGNC Symbol;Acc:49398]	1.76	3.6E-05
RPL13	ENSG00000167526	ribosomal protein L13 [Source:HGNC Symbol;Acc:10303]	1.05	3.6E-05
ZNF689	ENSG00000156853	zinc finger protein 689 [Source:HGNC Symbol;Acc:25173]	0.76	3.6E-05
GHDC	ENSG00000167925	GH3 domain containing [Source:HGNC Symbol;Acc:24438]	1.00	3.6E-05
FAM201A	ENSG00000204860	family with sequence similarity 201, member A [Source:HGNC Symbol;Acc:27239]	2.92	3.6E-05
DDX11-AS1	ENSG00000245614	DDX11 antisense RNA 1 [Source:HGNC Symbol;Acc:44176]	2.53	3.6E-05
KRTCAP3	ENSG00000157992	keratinocyte associated protein 3 [Source:HGNC Symbol;Acc:28943]	0.71	3.7E-05
CCDC78	ENSG00000162004	coiled-coil domain containing 78 [Source:HGNC Symbol;Acc:14153]	1.49	3.7E-05
ISX	ENSG00000175329	intestine-specific homeobox [Source:HGNC Symbol;Acc:28084]	2.60	3.7E-05
--	ENSG00000240449	--	1.57	3.7E-05
NT5M	ENSG00000205309	5',3'-nucleotidase, mitochondrial [Source:HGNC Symbol;Acc:15769]	3.23	3.7E-05
--	ENSG00000273398	Calcineurin subunit B type 1 [Source:UniProtKB/TrEMBL;Acc:H7BYZ3]	1.41	3.7E-05
WDR46	ENSG00000227057	WD repeat domain 46 [Source:HGNC Symbol;Acc:13923]	0.88	3.7E-05
IMPDH1	ENSG00000106348	IMP (inosine 5'-monophosphate) dehydrogenase 1 [Source:HGNC Symbol;Acc:6052]	0.84	3.7E-05
ARL15	ENSG00000185305	ADP-ribosylation factor-like 15 [Source:HGNC Symbol;Acc:25945]	1.04	3.8E-05
C8orf59	ENSG00000176731	chromosome 8 open reading frame 59 [Source:HGNC Symbol;Acc:32235]	0.86	3.8E-05

TAF1D	ENSG00000166012	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa [Source:HGNC Symbol;Acc:28759]	0.85	3.8E-05
UPF3B	ENSG00000125351	UPF3 regulator of nonsense transcripts homolog B (yeast) [Source:HGNC Symbol;Acc:20439]	0.73	3.8E-05
SLC25A40	ENSG00000075303	solute carrier family 25, member 40 [Source:HGNC Symbol;Acc:29680]	1.06	3.8E-05
CCDC14	ENSG00000175455	coiled-coil domain containing 14 [Source:HGNC Symbol;Acc:25766]	0.88	3.8E-05
TTC3	ENSG00000182670	tetratricopeptide repeat domain 3 [Source:HGNC Symbol;Acc:12393]	0.57	3.8E-05
RHPN1	ENSG00000158106	rhopilin, Rho GTPase binding protein 1 [Source:HGNC Symbol;Acc:19973]	1.14	3.8E-05
RMDN2	ENSG00000115841	regulator of microtubule dynamics 2 [Source:HGNC Symbol;Acc:26567]	1.71	3.8E-05
UCHL5	ENSG00000116750	ubiquitin carboxyl-terminal hydrolase L5 [Source:HGNC Symbol;Acc:19678]	0.82	3.9E-05
SETDB2	ENSG00000136169	SET domain, bifurcated 2 [Source:HGNC Symbol;Acc:20263]	1.01	3.9E-05
EVL	ENSG00000196405	Enah/Vasp-like [Source:HGNC Symbol;Acc:20234]	1.40	3.9E-05
MBOAT1	ENSG00000172197	membrane bound O-acyltransferase domain containing 1 [Source:HGNC Symbol;Acc:21579]	0.70	4.0E-05
FOXJ1	ENSG00000129654	forkhead box J1 [Source:HGNC Symbol;Acc:3816]	3.10	4.0E-05
FRAT1	ENSG00000165879	frequently rearranged in advanced T-cell lymphomas [Source:HGNC Symbol;Acc:3944]	1.32	4.0E-05
DOLK	ENSG00000175283	dolichol kinase [Source:HGNC Symbol;Acc:23406]	0.87	4.0E-05
NDUFV1	ENSG00000167792	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa [Source:HGNC Symbol;Acc:7716]	0.97	4.1E-05
MATR3	ENSG00000015479	matrin 3 [Source:HGNC Symbol;Acc:6912]	0.86	4.1E-05
SPINK4	ENSG00000122711	serine peptidase inhibitor, Kazal type 4 [Source:HGNC Symbol;Acc:16646]	1.48	4.1E-05
--	ENSG00000236935	--	1.80	4.1E-05
NUP54	ENSG00000138750	nucleoporin 54kDa [Source:HGNC Symbol;Acc:17359]	0.88	4.1E-05

COG2	ENSG00000135775	component of oligomeric golgi complex 2 [Source:HGNC Symbol;Acc:6546]	0.70	4.1E-05
MTHFD2L	ENSG00000163738	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2-like [Source:HGNC Symbol;Acc:31865]	1.22	4.1E-05
--	ENSG00000197062	--	1.46	4.2E-05
CASD1	ENSG00000127995	CAS1 domain containing 1 [Source:HGNC Symbol;Acc:16014]	1.12	4.2E-05
NAA38	ENSG00000128534	N(alpha)-acetyltransferase 38, NatC auxiliary subunit [Source:HGNC Symbol;Acc:20471]	0.72	4.2E-05
--	ENSG00000234753	--	2.48	4.3E-05
COX14	ENSG00000178449	cytochrome c oxidase assembly homolog 14 ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:28216]	0.68	4.3E-05
TRIM7	ENSG00000146054	tripartite motif containing 7 [Source:HGNC Symbol;Acc:16278]	0.92	4.3E-05
ZNF502	ENSG00000196653	zinc finger protein 502 [Source:HGNC Symbol;Acc:23718]	1.01	4.3E-05
--	ENSG00000227619	--	1.27	4.4E-05
RNF220	ENSG00000187147	ring finger protein 220 [Source:HGNC Symbol;Acc:25552]	0.62	4.4E-05
SMN2	ENSG00000205571	survival of motor neuron 2, centromeric [Source:HGNC Symbol;Acc:11118]	1.02	4.4E-05
MTERFD3	ENSG00000120832	MTERF domain containing 3 [Source:HGNC Symbol;Acc:30779]	1.05	4.4E-05
MRPS5	ENSG00000144029	mitochondrial ribosomal protein S5 [Source:HGNC Symbol;Acc:14498]	0.57	4.4E-05
DPH7	ENSG00000148399	diphthamide biosynthesis 7 [Source:HGNC Symbol;Acc:25199]	0.95	4.4E-05
DEPDC7	ENSG00000121690	DEP domain containing 7 [Source:HGNC Symbol;Acc:29899]	1.14	4.4E-05
PYCR2	ENSG00000143811	pyrroline-5-carboxylate reductase family, member 2 [Source:HGNC Symbol;Acc:30262]	0.72	4.5E-05
IFRD2	ENSG00000214706	interferon-related developmental regulator 2 [Source:HGNC Symbol;Acc:5457]	0.85	4.6E-05
BBS2	ENSG00000125124	Bardet-Biedl syndrome 2 [Source:HGNC Symbol;Acc:967]	0.68	4.6E-05
FAM173B	ENSG00000150756	family with sequence similarity 173, member B [Source:HGNC Symbol;Acc:27029]	0.84	4.6E-05

OXNAD1	ENSG00000154814	oxidoreductase NAD-binding domain containing 1 [Source:HGNC Symbol;Acc:25128]	0.64	4.6E-05
ERI2	ENSG00000196678	ERI1 exoribonuclease family member 2 [Source:HGNC Symbol;Acc:30541]	0.82	4.6E-05
FHAD1	ENSG00000142621	forkhead-associated (FHA) phosphopeptide binding domain 1 [Source:HGNC Symbol;Acc:29408]	1.10	4.7E-05
IPO11	ENSG00000086200	importin 11 [Source:HGNC Symbol;Acc:20628]	1.28	4.7E-05
G3BP1	ENSG00000145907	GTPase activating protein (SH3 domain) binding protein 1 [Source:HGNC Symbol;Acc:30292]	0.82	4.7E-05
JARID2	ENSG00000008083	jumonji, AT rich interactive domain 2 [Source:HGNC Symbol;Acc:6196]	0.93	4.7E-05
TGFB1	ENSG00000105329	transforming growth factor, beta 1 [Source:HGNC Symbol;Acc:11766]	0.76	4.8E-05
SMIM13	ENSG00000224531	small integral membrane protein 13 [Source:HGNC Symbol;Acc:27356]	0.80	4.8E-05
--	ENSG00000222493	Y RNA [Source:RFAM;Acc:RF00019]	3.04	4.8E-05
--	ENSG00000228703	--	1.13	4.8E-05
TMEM209	ENSG00000146842	transmembrane protein 209 [Source:HGNC Symbol;Acc:21898]	0.91	4.9E-05
ELK1	ENSG00000126767	ELK1, member of ETS oncogene family [Source:HGNC Symbol;Acc:3321]	0.78	4.9E-05
MRPL15	ENSG00000137547	mitochondrial ribosomal protein L15 [Source:HGNC Symbol;Acc:14054]	0.59	4.9E-05
GTF3C4	ENSG00000125484	general transcription factor IIIC, polypeptide 4, 90kDa [Source:HGNC Symbol;Acc:4667]	0.95	4.9E-05
OGFOD3	ENSG00000181396	2-oxoglutarate and iron-dependent oxygenase domain containing 3 [Source:HGNC Symbol;Acc:26174]	1.01	4.9E-05
SH2D2A	ENSG00000027869	SH2 domain containing 2A [Source:HGNC Symbol;Acc:10821]	1.25	4.9E-05
C9orf43	ENSG00000157653	chromosome 9 open reading frame 43 [Source:HGNC Symbol;Acc:23570]	1.48	5.0E-05



POLR3A	ENSG00000148606	polymerase (RNA) III (DNA directed) polypeptide A, 155kDa [Source:HGNC Symbol;Acc:30074]	0.74	5.0E-05
--	ENSG00000255252	--	0.77	5.0E-05
TRUB1	ENSG00000165832	TruB pseudouridine (psi) synthase family member 1 [Source:HGNC Symbol;Acc:16060]	1.23	5.0E-05
RPL41	ENSG00000229117	ribosomal protein L41 [Source:HGNC Symbol;Acc:10354]	0.60	5.0E-05
L3HYPDH	ENSG00000126790	L-3-hydroxyproline dehydratase (trans-) [Source:HGNC Symbol;Acc:20488]	1.03	5.0E-05
VPRBP	ENSG00000145041	Vpr (HIV-1) binding protein [Source:HGNC Symbol;Acc:30911]	0.62	5.0E-05
KHDRBS3	ENSG00000131773	KH domain containing, RNA binding, signal transduction associated 3 [Source:HGNC Symbol;Acc:18117]	0.68	5.0E-05
--	ENSG00000264538	--	1.08	5.1E-05
DIS3L2	ENSG00000144535	DIS3 mitotic control homolog ( <i>S. cerevisiae</i> )-like 2 [Source:HGNC Symbol;Acc:28648]	0.77	5.1E-05
MORC4	ENSG00000133131	MORC family CW-type zinc finger 4 [Source:HGNC Symbol;Acc:23485]	0.67	5.2E-05
KISS1R	ENSG00000116014	KISS1 receptor [Source:HGNC Symbol;Acc:4510]	1.63	5.2E-05
NDUFS3	ENSG00000213619	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH- coenzyme Q reductase) [Source:HGNC Symbol;Acc:7710]	0.69	5.3E-05
NPFFR1	ENSG00000148734	neuropeptide FF receptor 1 [Source:HGNC Symbol;Acc:17425]	3.02	5.3E-05
--	ENSG00000226539	--	0.88	5.4E-05
--	ENSG00000255118	--	2.01	5.4E-05
MRPS34	ENSG00000074071	mitochondrial ribosomal protein S34 [Source:HGNC Symbol;Acc:16618]	1.02	5.4E-05
KIF7	ENSG00000166813	kinesin family member 7 [Source:HGNC Symbol;Acc:30497]	1.89	5.5E-05
GEMIN7	ENSG00000142252	gem (nuclear organelle) associated protein 7 [Source:HGNC Symbol;Acc:20045]	0.76	5.5E-05
RASIP1	ENSG00000105538	Ras interacting protein 1 [Source:HGNC Symbol;Acc:24716]	1.27	5.5E-05
--	ENSG00000261123	--	0.91	5.5E-05

LEPRE1	ENSG00000117385	leucine proline-enriched proteoglycan (leprecan) 1 [Source:HGNC Symbol;Acc:19316]	1.81	5.5E-05
CRIP3	ENSG00000146215	cysteine-rich protein 3 [Source:HGNC Symbol;Acc:17751]	1.82	5.6E-05
CAAP1	ENSG00000120159	caspase activity and apoptosis inhibitor 1 [Source:HGNC Symbol;Acc:25834]	0.92	5.6E-05
--	ENSG00000239213	--	1.19	5.6E-05
ATP5F1	ENSG00000116459	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit B1 [Source:HGNC Symbol;Acc:840]	0.53	5.6E-05
CCDC102A	ENSG00000135736	coiled-coil domain containing 102A [Source:HGNC Symbol;Acc:28097]	2.49	5.7E-05
UBA5	ENSG00000081307	ubiquitin-like modifier activating enzyme 5 [Source:HGNC Symbol;Acc:23230]	0.91	5.7E-05
MTX3	ENSG00000177034	metaxin 3 [Source:HGNC Symbol;Acc:24812]	1.89	5.7E-05
--	ENSG00000255521	--	1.85	5.8E-05
STX18-AS1	ENSG00000247708	STX18 antisense RNA 1 (head to head) [Source:HGNC Symbol;Acc:48877]	2.32	5.8E-05
DBI	ENSG00000155368	diazepam binding inhibitor (GABA receptor modulator, acyl-CoA binding protein) [Source:HGNC Symbol;Acc:2690]	0.71	5.8E-05
IQCB1	ENSG00000173226	IQ motif containing B1 [Source:HGNC Symbol;Acc:28949]	0.78	5.8E-05
AIMP1	ENSG00000164022	aminoacyl tRNA synthetase complex-interacting multifunctional protein 1 [Source:HGNC Symbol;Acc:10648]	0.66	5.9E-05
SCO1	ENSG00000133028	SCO1 cytochrome c oxidase assembly protein [Source:HGNC Symbol;Acc:10603]	0.62	5.9E-05
PTAR1	ENSG00000188647	protein prenyltransferase alpha subunit repeat containing 1 [Source:HGNC Symbol;Acc:30449]	0.96	5.9E-05
CCT8	ENSG00000156261	chaperonin containing TCP1, subunit 8 (theta) [Source:HGNC Symbol;Acc:1623]	0.52	5.9E-05
AMZ2	ENSG00000196704	archaelysin family metallopeptidase 2 [Source:HGNC Symbol;Acc:28041]	0.62	6.0E-05

--	ENSG00000267791	--	1.74	6.0E-05
CDX2	ENSG00000165556	caudal type homeobox 2 [Source:HGNC Symbol;Acc:1806] NOP2/Sun domain family, member 4 [Source:HGNC Symbol;Acc:31802]	0.76	6.0E-05
NSUN4	ENSG00000117481	cytidine and dCMP deaminase domain containing 1 [Source:HGNC Symbol;Acc:20299]	0.74	6.1E-05
CDADC1	ENSG00000102543	calcium modulating ligand [Source:HGNC Symbol;Acc:1471]	0.98	6.1E-05
CAMLG	ENSG00000164615	B-cell CLL/lymphoma 7A [Source:HGNC Symbol;Acc:1004]	0.75	6.3E-05
BCL7A	ENSG00000110987	extended synaptotagmin-like protein 3 [Source:HGNC Symbol;Acc:24295]	0.79	6.3E-05
ESYT3	ENSG00000158220	DNA methyltransferase 1 associated protein 1 [Source:HGNC Symbol;Acc:18291]	2.00	6.3E-05
DMAP1	ENSG00000178028	coiled-coil domain containing 84 [Source:HGNC Symbol;Acc:30460]	0.82	6.3E-05
CCDC84	ENSG00000186166	ENTPD1 antisense RNA 1 [Source:HGNC Symbol;Acc:45203]	0.76	6.4E-05
ENTPD1-AS1	ENSG00000226688	LSM7 homolog, U6 small nuclear RNA associated ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:20470]	1.55	6.4E-05
LSM7	ENSG00000130332	calcium homeostasis endoplasmic reticulum protein [Source:HGNC Symbol;Acc:16930]	0.91	6.4E-05
CHERP	ENSG00000085872	EF-hand domain (C-terminal) containing 2 [Source:HGNC Symbol;Acc:26233]	0.64	6.5E-05
EFHC2	ENSG00000183690	low density lipoprotein receptor-related protein 3 [Source:HGNC Symbol;Acc:6695]	2.01	6.5E-05
LRP3	ENSG00000130881	nucleoporin 62kDa [Source:HGNC Symbol;Acc:8066]	1.94	6.5E-05
NUP62	ENSG00000213024	elaC ribonuclease Z 2 [Source:HGNC Symbol;Acc:14198]	0.62	6.6E-05
ELAC2	ENSG00000006744	PAXIP1 antisense RNA 2 [Source:HGNC Symbol;Acc:48958]	0.74	6.6E-05
PAXIP1-AS2	ENSG00000214106	mediator complex subunit 30 [Source:HGNC Symbol;Acc:23032]	0.87	6.6E-05
MED30	ENSG00000164758	isocitrate dehydrogenase 3 (NAD+) beta [Source:HGNC Symbol;Acc:5385]	0.96	6.6E-05
IDH3B	ENSG00000101365		0.71	6.7E-05

EBAG9	ENSG00000147654	estrogen receptor binding site associated, antigen, 9 [Source:HGNC Symbol;Acc:3123]	0.84	6.7E-05
FAM208B	ENSG00000108021	family with sequence similarity 208, member B [Source:HGNC Symbol;Acc:23484]	0.91	6.7E-05
RNF144B	ENSG00000137393	ring finger protein 144B [Source:HGNC Symbol;Acc:21578]	1.87	6.7E-05
--	ENSG00000259933	--	0.94	6.8E-05
--	ENSG00000262136	--	1.17	6.8E-05
C14orf144	ENSG00000228032	chromosome 14 open reading frame 144 [Source:HGNC Symbol;Acc:20358]	1.17	6.9E-05
TCERG1	ENSG00000113649	transcription elongation regulator 1 [Source:HGNC Symbol;Acc:15630]	0.71	6.9E-05
FKBP4	ENSG00000004478	FK506 binding protein 4, 59kDa [Source:HGNC Symbol;Acc:3720]	0.72	6.9E-05
--	ENSG00000219665	--	1.38	6.9E-05
ZNF780B	ENSG00000128000	zinc finger protein 780B [Source:HGNC Symbol;Acc:33109]	1.09	6.9E-05
MTRR	ENSG00000124275	5-methyltetrahydrofolate-homocysteine methyltransferase reductase [Source:HGNC Symbol;Acc:7473]	0.66	7.0E-05
TNNC2	ENSG00000101470	troponin C type 2 (fast) [Source:HGNC Symbol;Acc:11944]	1.11	7.0E-05
CD302	ENSG00000241399	CD302 molecule [Source:HGNC Symbol;Acc:30843]	0.77	7.0E-05
MRPL22	ENSG00000082515	mitochondrial ribosomal protein L22 [Source:HGNC Symbol;Acc:14480]	0.62	7.2E-05
MINA	ENSG00000170854	MYC induced nuclear antigen [Source:HGNC Symbol;Acc:19441]	0.75	7.2E-05
YBX3	ENSG00000060138	Y box binding protein 3 [Source:HGNC Symbol;Acc:2428]	0.52	7.4E-05
CBR1	ENSG00000159228	carbonyl reductase 1 [Source:HGNC Symbol;Acc:1548]	0.63	7.5E-05
PPIA	ENSG00000196262	peptidylprolyl isomerase A (cyclophilin A) [Source:HGNC Symbol;Acc:9253]	0.56	7.5E-05
GMCL1	ENSG00000087338	germ cell-less, spermatogenesis associated 1 [Source:HGNC Symbol;Acc:23843]	0.93	7.5E-05
TASP1	ENSG00000089123	taspase, threonine aspartase, 1 [Source:HGNC Symbol;Acc:15859]	0.78	7.5E-05

SNAPC1	ENSG00000023608	small nuclear RNA activating complex, polypeptide 1, 43kDa [Source:HGNC Symbol;Acc:11134]	1.22	7.5E-05
GAL	ENSG00000069482	galanin/GMAP prepropeptide [Source:HGNC Symbol;Acc:4114]	1.27	7.6E-05
SETD6	ENSG00000103037	SET domain containing 6 [Source:HGNC Symbol;Acc:26116]	0.76	7.6E-05
CARD8	ENSG00000105483	caspase recruitment domain family, member 8 [Source:HGNC Symbol;Acc:17057]	1.43	7.6E-05
TTI2	ENSG00000129696	TELO2 interacting protein 2 [Source:HGNC Symbol;Acc:26262]	0.78	7.8E-05
KCNN2	ENSG00000080709	potassium intermediate/small conductance calcium-activated channel, subfamily N, member 2 [Source:HGNC Symbol;Acc:6291]	2.72	7.8E-05
ZNF639	ENSG00000121864	zinc finger protein 639 [Source:HGNC Symbol;Acc:30950]	0.91	7.8E-05
CD44	ENSG00000026508	CD44 molecule (Indian blood group) [Source:HGNC Symbol;Acc:1681]	0.63	7.8E-05
PARL	ENSG00000175193	presenilin associated, rhomboid-like [Source:HGNC Symbol;Acc:18253]	0.53	7.9E-05
SLC26A2	ENSG00000155850	solute carrier family 26 (anion exchanger), member 2 [Source:HGNC Symbol;Acc:10994]	1.13	7.9E-05
ESF1	ENSG00000089048	ESF1, nucleolar pre-rRNA processing protein, homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:15898]	1.10	7.9E-05
HEXDC	ENSG00000169660	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing [Source:HGNC Symbol;Acc:26307]	0.88	8.0E-05
ARL17B	ENSG00000228696	ADP-ribosylation factor-like 17B [Source:HGNC Symbol;Acc:32387]	1.20	8.1E-05
IKBIP	ENSG00000166130	IKBKB interacting protein [Source:HGNC Symbol;Acc:26430]	1.25	8.1E-05
PRIM2	ENSG00000146143	primase, DNA, polypeptide 2 (58kDa) [Source:HGNC Symbol;Acc:9370]	0.95	8.2E-05
CSTF1	ENSG00000101138	cleavage stimulation factor, 3' pre-RNA, subunit 1, 50kDa [Source:HGNC Symbol;Acc:2483]	0.78	8.2E-05
--	ENSG00000263731	--	1.06	8.3E-05
GEN1	ENSG00000178295	GEN1 Holliday junction 5' flap endonuclease [Source:HGNC Symbol;Acc:26881]	0.83	8.3E-05
ACO1	ENSG00000122729	aconitase 1, soluble [Source:HGNC Symbol;Acc:117]	0.69	8.4E-05

SF3B5	ENSG00000169976	splicing factor 3b, subunit 5, 10kDa [Source:HGNC Symbol;Acc:21083]	0.84	8.5E-05
FAM117A	ENSG00000121104	family with sequence similarity 117, member A [Source:HGNC Symbol;Acc:24179]	1.24	8.6E-05
FTSJ3	ENSG00000108592	FtsJ homolog 3 (E. coli) [Source:HGNC Symbol;Acc:17136]	0.58	8.6E-05
--	ENSG00000260966	--	1.58	8.7E-05
LMAN1	ENSG00000074695	lectin, mannose-binding, 1 [Source:HGNC Symbol;Acc:6631]	0.76	8.7E-05
MED28	ENSG00000118579	mediator complex subunit 28 [Source:HGNC Symbol;Acc:24628]	0.61	9.0E-05
--	ENSG00000251602	--	2.47	9.1E-05
CEP76	ENSG00000101624	centrosomal protein 76kDa [Source:HGNC Symbol;Acc:25727]	0.95	9.1E-05
ZNF629	ENSG00000102870	zinc finger protein 629 [Source:HGNC Symbol;Acc:29008]	0.63	9.1E-05
ERAL1	ENSG00000132591	Era-like 12S mitochondrial rRNA chaperone 1 [Source:HGNC Symbol;Acc:3424]	0.66	9.1E-05
KIAA1143	ENSG00000163807	KIAA1143 [Source:HGNC Symbol;Acc:29198]	0.79	9.2E-05
KIF13A	ENSG00000137177	kinesin family member 13A [Source:HGNC Symbol;Acc:14566]	0.61	9.3E-05
SMARCA5	ENSG00000153147	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5 [Source:HGNC Symbol;Acc:11101]	0.79	9.3E-05
PTRH2	ENSG00000141378	peptidyl-tRNA hydrolase 2 [Source:HGNC Symbol;Acc:24265]	0.70	9.3E-05
POLR1D	ENSG00000186184	polymerase (RNA) I polypeptide D, 16kDa [Source:HGNC Symbol;Acc:20422]	0.54	9.4E-05
MRC2	ENSG00000011028	mannose receptor, C type 2 [Source:HGNC Symbol;Acc:16875]	1.84	9.5E-05
--	ENSG00000257303	--	0.81	9.5E-05
ZNF691	ENSG00000164011	zinc finger protein 691 [Source:HGNC Symbol;Acc:28028]	1.18	9.5E-05
HSPA4	ENSG00000170606	heat shock 70kDa protein 4 [Source:HGNC Symbol;Acc:5237]	0.62	9.5E-05
LSM3	ENSG00000170860	LSM3 homolog, U6 small nuclear RNA associated (S. cerevisiae) [Source:HGNC Symbol;Acc:17874]	0.82	9.5E-05
IFT27	ENSG00000100360	intraflagellar transport 27 homolog (Chlamydomonas) [Source:HGNC Symbol;Acc:18626]	1.02	9.5E-05
PIFO	ENSG00000173947	primary cilia formation [Source:HGNC Symbol;Acc:27009]	1.78	9.6E-05

COCH	ENSG00000100473	cochlin [Source:HGNC Symbol;Acc:2180] zinc finger, C2HC-type containing 1C [Source:HGNC Symbol;Acc:20354]	1.28	9.6E-05
ZC2HC1C	ENSG00000119703	pyrophosphatase (inorganic) 2 [Source:HGNC Symbol;Acc:28883] family with sequence similarity 98, member A [Source:HGNC Symbol;Acc:24520]	0.92	9.7E-05
PPA2	ENSG00000138777	C1QTNF9B antisense RNA 1 [Source:HGNC Symbol;Acc:39839] naked cuticle homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:17045]	0.70	9.7E-05
FAM98A	ENSG00000119812	TAR (HIV-1) RNA binding protein 2 [Source:HGNC Symbol;Acc:11569] SAYSVFN motif domain containing 1 [Source:HGNC Symbol;Acc:21025]	0.63	9.7E-05
C1QTNF9B-A	ENSG00000205861		1.75	9.7E-05
NKD1	ENSG00000140807		2.49	9.8E-05
TARBP2	ENSG00000139546		0.85	9.8E-05
SAYSD1	ENSG00000112167		0.63	9.9E-05

(B) Genes up-regulated after ETC-159 treatment

Gene symbol	ENSEMBL gene ID	Gene description	log2 fold chang	BH-adjusted P-value
CEACAM1	ENSG00000079385	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) [Source:HGNC Symbol;Acc:1814]	-3.23	1.4E-111
KLK13	ENSG00000167759	kallikrein-related peptidase 13 [Source:HGNC Symbol;Acc:6361]	-2.56	1.2E-94
LIPE-AS1	ENSG00000213904	LIPE antisense RNA 1 [Source:HGNC Symbol;Acc:48589]	-3.06	1.7E-75
TRIB2	ENSG00000071575	tribbles pseudokinase 2 [Source:HGNC Symbol;Acc:30809] dehydrogenase/reductase (SDR family) member 9 [Source:HGNC Symbol;Acc:16888]	-2.08	2.3E-75
DHRS9	ENSG00000073737	mal, T-cell differentiation protein-like [Source:HGNC Symbol;Acc:6818]	-2.74	9.9E-74
MALL	ENSG00000144063	tetraspanin 1 [Source:HGNC Symbol;Acc:20657]	-1.96	3.5E-73
TSPAN1	ENSG00000117472	cytochrome P450, family 4, subfamily F, polypeptide 11 [Source:HGNC Symbol;Acc:13265]	-2.15	7.6E-64
CYP4F11	ENSG00000171903	protein tyrosine phosphatase, receptor type, H [Source:HGNC Symbol;Acc:9672]	-2.12	1.8E-62
PTPRH	ENSG00000080031		-2.68	6.2E-62

ALOX5	ENSG00000012779	arachidonate 5-lipoxygenase [Source:HGNC Symbol;Acc:435]	-1.92	5.4E-61
MUC12	ENSG00000205277	mucin 12, cell surface associated [Source:HGNC Symbol;Acc:7510]	-2.59	1.7E-58
DUOX2	ENSG00000140279	dual oxidase 2 [Source:HGNC Symbol;Acc:13273]	-2.69	3.5E-57
TMPRSS2	ENSG00000184012	transmembrane protease, serine 2 [Source:HGNC Symbol;Acc:11876]	-2.00	5.2E-57
CGN	ENSG00000143375	cingulin [Source:HGNC Symbol;Acc:17429]	-1.95	5.4E-57
TRANK1	ENSG00000168016	tetratricopeptide repeat and ankyrin repeat containing 1 [Source:HGNC Symbol;Acc:29011]	-2.15	7.1E-57
CDKN1A	ENSG00000124762	cyclin-dependent kinase inhibitor 1A (p21, Cip1) [Source:HGNC Symbol;Acc:1784]	-2.85	1.4E-54
--	ENSG00000260401	--	-2.65	4.7E-54
C4BPB	ENSG00000123843	complement component 4 binding protein, beta [Source:HGNC Symbol;Acc:1328]	-2.10	1.6E-51
PLAUR	ENSG00000011422	plasminogen activator, urokinase receptor [Source:HGNC Symbol;Acc:9053]	-2.40	3.1E-51
SP6	ENSG00000189120	Sp6 transcription factor [Source:HGNC Symbol;Acc:14530]	-2.52	3.1E-50
TMBIM1	ENSG00000135926	transmembrane BAX inhibitor motif containing 1 [Source:HGNC Symbol;Acc:23410]	-1.87	4.3E-49
DUSP5	ENSG00000138166	dual specificity phosphatase 5 [Source:HGNC Symbol;Acc:3071]	-2.95	3.3E-48
PDE9A	ENSG00000160191	phosphodiesterase 9A [Source:HGNC Symbol;Acc:8795]	-2.62	3.6E-48
PTAFR	ENSG00000169403	platelet-activating factor receptor [Source:HGNC Symbol;Acc:9582]	-2.44	8.9E-48
EMP1	ENSG00000134531	epithelial membrane protein 1 [Source:HGNC Symbol;Acc:3333]	-2.67	1.4E-47
TACSTD2	ENSG00000184292	tumor-associated calcium signal transducer 2 [Source:HGNC Symbol;Acc:11530]	-1.61	4.9E-47
XDH	ENSG00000158125	xanthine dehydrogenase [Source:HGNC Symbol;Acc:12805]	-3.41	3.5E-46
CDHR2	ENSG00000074276	cadherin-related family member 2 [Source:HGNC Symbol;Acc:18231]	-2.55	1.1E-45
CDKN2B	ENSG00000147883	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4) [Source:HGNC Symbol;Acc:1788]	-2.56	1.9E-45
CD55	ENSG00000196352	CD55 molecule, decay accelerating factor for complement (Cromer blood group) [Source:HGNC Symbol;Acc:2665]	-2.39	5.5E-45



IL2RG	ENSG00000147168	interleukin 2 receptor, gamma [Source:HGNC Symbol;Acc:6010]	-1.69	6.6E-45
BTNL3	ENSG00000168903	butyrophilin-like 3 [Source:HGNC Symbol;Acc:1143]	-2.76	1.0E-44
GDPD2	ENSG00000130055	glycerophosphodiester phosphodiesterase domain containing 2 [Source:HGNC Symbol;Acc:25974]	-2.65	2.4E-44
SDCBP2	ENSG00000125775	syndecan binding protein (syntenin) 2 [Source:HGNC Symbol;Acc:15756]	-2.15	2.6E-44
BTNL8	ENSG00000113303	butyrophilin-like 8 [Source:HGNC Symbol;Acc:26131]	-2.22	5.2E-44
IL1A	ENSG00000115008	interleukin 1, alpha [Source:HGNC Symbol;Acc:5991]	-2.64	1.5E-43
COL17A1	ENSG00000065618	collagen, type XVII, alpha 1 [Source:HGNC Symbol;Acc:2194]	-2.06	1.5E-43
MUC13	ENSG00000173702	mucin 13, cell surface associated [Source:HGNC Symbol;Acc:7511]	-1.68	2.2E-43
ST3GAL4	ENSG00000110080	ST3 beta-galactoside alpha-2,3-sialyltransferase 4 [Source:HGNC Symbol;Acc:10864]	-2.10	8.0E-43
CA4	ENSG00000167434	carbonic anhydrase IV [Source:HGNC Symbol;Acc:1375]	-3.43	1.3E-42
GLRX	ENSG00000173221	glutaredoxin (thioltransferase) [Source:HGNC Symbol;Acc:4330]	-1.99	1.5E-42
CEACAM7	ENSG00000007306	carcinoembryonic antigen-related cell adhesion molecule 7 [Source:HGNC Symbol;Acc:1819]	-2.95	1.6E-42
LAMA4	ENSG00000112769	laminin, alpha 4 [Source:HGNC Symbol;Acc:6484]	-2.95	1.9E-42
RHCG	ENSG00000140519	Rh family, C glycoprotein [Source:HGNC Symbol;Acc:18140]	-2.46	2.0E-42
CD59	ENSG00000085063	CD59 molecule, complement regulatory protein [Source:HGNC Symbol;Acc:1689]	-1.93	2.9E-42
FLNB	ENSG00000136068	filamin B, beta [Source:HGNC Symbol;Acc:3755]	-1.61	4.7E-42
TP53INP2	ENSG00000078804	tumor protein p53 inducible nuclear protein 2 [Source:HGNC Symbol;Acc:16104]	-2.12	5.9E-42
KLK7	ENSG00000169035	kallikrein-related peptidase 7 [Source:HGNC Symbol;Acc:6368]	-1.90	1.4E-41
GCNT3	ENSG00000140297	glucosaminyl (N-acetyl) transferase 3, mucin type [Source:HGNC Symbol;Acc:4205]	-2.25	3.9E-41
SMAD3	ENSG00000166949	SMAD family member 3 [Source:HGNC Symbol;Acc:6769]	-1.76	5.6E-41
MXD1	ENSG00000059728	MAX dimerization protein 1 [Source:HGNC Symbol;Acc:6761]	-2.42	8.3E-41
LIPH	ENSG00000163898	lipase, member H [Source:HGNC Symbol;Acc:18483]	-1.89	1.1E-40

KRT20	ENSG00000171431	keratin 20 [Source:HGNC Symbol;Acc:20412] V-set and immunoglobulin domain containing 10 like [Source:HGNC Symbol;Acc:27111]	-2.13	1.8E-40
VSIG10L	ENSG00000186806	transglutaminase 3 [Source:HGNC Symbol;Acc:11779]	-2.40	1.9E-40
TGM3	ENSG00000125780	apolipoprotein L, 2 [Source:HGNC Symbol;Acc:619]	-1.87	2.8E-40
APOL2	ENSG00000128335	tetratricopeptide repeat domain 9 [Source:HGNC Symbol;Acc:20267]	-1.99	6.7E-40
TTC9	ENSG00000133985	protein phosphatase 1, regulatory (inhibitor) subunit 14D [Source:HGNC Symbol;Acc:14953]	-1.63	7.2E-40
PPP1R14D	ENSG00000166143	apolipoprotein L, 1 [Source:HGNC Symbol;Acc:618]	-1.96	7.3E-40
APOL1	ENSG00000100342	small integral membrane protein 5 [Source:HGNC Symbol;Acc:40030]	-3.37	1.0E-39
SMIM5	ENSG00000204323	interleukin 1, beta [Source:HGNC Symbol;Acc:5992]	-2.50	1.3E-39
IL1B	ENSG00000125538	transmembrane and coiled-coil domain family 3 [Source:HGNC Symbol;Acc:29199]	-2.31	1.3E-39
TMCC3	ENSG00000057704	Z-DNA binding protein 1 [Source:HGNC Symbol;Acc:16176]	-2.25	2.8E-39
ZBP1	ENSG00000124256	kallikrein-related peptidase 10 [Source:HGNC Symbol;Acc:6358]	-2.16	3.9E-39
KLK10	ENSG00000129451	calpain 11 [Source:HGNC Symbol;Acc:1478]	-2.69	9.5E-39
CAPN11	ENSG00000137225	fatty acid 2-hydroxylase [Source:HGNC Symbol;Acc:21197]	-2.10	1.1E-38
FA2H	ENSG00000103089	family with sequence similarity 83, member A [Source:HGNC Symbol;Acc:28210]	-2.22	3.4E-38
FAM83A	ENSG00000147689	tumor protein p53 inducible protein 3 [Source:HGNC Symbol;Acc:19373]	-1.89	4.9E-38
TP53I3	ENSG00000115129	peroxisome proliferator-activated receptor delta [Source:HGNC Symbol;Acc:9235]	-2.17	7.5E-38
PPARD	ENSG00000112033	TIMP metalloproteinase inhibitor 2 [Source:HGNC Symbol;Acc:11821]	-1.61	8.6E-38
TIMP2	ENSG00000035862	cytochrome P450, family 3, subfamily A, polypeptide 5 [Source:HGNC Symbol;Acc:2638]	-2.09	9.7E-38
CYP3A5	ENSG00000106258	diacylglycerol kinase, alpha 80kDa [Source:HGNC Symbol;Acc:2849]	-1.76	1.1E-37
DGKA	ENSG00000065357	histone cluster 1, H1c [Source:HGNC Symbol;Acc:4716]	-2.60	1.2E-37
HIST1H1C	ENSG00000187837	sorting nexin 9 [Source:HGNC Symbol;Acc:14973]	-1.77	1.8E-37
SNX9	ENSG00000130340			

PI3	ENSG00000124102	peptidase inhibitor 3, skin-derived [Source:HGNC Symbol;Acc:8947]	-2.14	2.3E-37
PPL	ENSG00000118898	periplakin [Source:HGNC Symbol;Acc:9273]	-1.75	2.9E-37
PGLYRP3	ENSG00000159527	peptidoglycan recognition protein 3 [Source:HGNC Symbol;Acc:30014]	-2.81	6.9E-37
TMEM45B	ENSG00000151715	transmembrane protein 45B [Source:HGNC Symbol;Acc:25194]	-1.60	5.6E-36
SLCO2A1	ENSG00000174640	solute carrier organic anion transporter family, member 2A1 [Source:HGNC Symbol;Acc:10955]	-2.36	7.2E-36
TSPAN3	ENSG00000140391	tetraspanin 3 [Source:HGNC Symbol;Acc:17752]	-1.41	7.9E-36
--	ENSG00000271218	--	-1.93	9.8E-36
TTC22	ENSG00000006555	tetratricopeptide repeat domain 22 [Source:HGNC Symbol;Acc:26067]	-1.86	9.9E-36
CASP4	ENSG00000196954	caspase 4, apoptosis-related cysteine peptidase [Source:HGNC Symbol;Acc:1505]	-1.75	1.1E-35
AKR1B10	ENSG00000198074	aldo-keto reductase family 1, member B10 (aldose reductase) [Source:HGNC Symbol;Acc:382]	-3.01	1.2E-35
C4orf19	ENSG00000154274	chromosome 4 open reading frame 19 [Source:HGNC Symbol;Acc:25618]	-1.61	1.5E-35
C1orf116	ENSG00000182795	chromosome 1 open reading frame 116 [Source:HGNC Symbol;Acc:28667]	-1.60	3.7E-35
VNN1	ENSG00000112299	vanin 1 [Source:HGNC Symbol;Acc:12705]	-2.30	4.4E-35
IL22RA1	ENSG00000142677	interleukin 22 receptor, alpha 1 [Source:HGNC Symbol;Acc:13700]	-1.74	9.1E-35
HHLA2	ENSG00000114455	HERV-H LTR-associating 2 [Source:HGNC Symbol;Acc:4905]	-2.01	2.3E-34
LAMA3	ENSG00000053747	laminin, alpha 3 [Source:HGNC Symbol;Acc:6483]	-2.00	3.5E-34
BAIAP2L1	ENSG00000006453	BAI1-associated protein 2-like 1 [Source:HGNC Symbol;Acc:21649]	-1.37	1.0E-33
BHLHE41	ENSG00000123095	basic helix-loop-helix family, member e41 [Source:HGNC Symbol;Acc:16617]	-2.05	1.2E-33
NFKBIA	ENSG00000100906	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha [Source:HGNC Symbol;Acc:7797]	-1.62	1.9E-33
STK24	ENSG00000102572	serine/threonine kinase 24 [Source:HGNC Symbol;Acc:11403]	-1.61	2.2E-33

LRRC1	ENSG00000137269	leucine rich repeat containing 1 [Source:HGNC Symbol;Acc:14307]	-1.71	2.7E-33
ST6GALNAC6	ENSG00000160408	ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6 [Source:HGNC Symbol;Acc:23364]	-2.52	4.2E-33
TGM2	ENSG00000198959	transglutaminase 2 [Source:HGNC Symbol;Acc:11778]	-2.41	4.4E-33
TMC5	ENSG00000103534	transmembrane channel-like 5 [Source:HGNC Symbol;Acc:22999]	-1.52	1.4E-32
KLK11	ENSG00000167757	kallikrein-related peptidase 11 [Source:HGNC Symbol;Acc:6359]	-1.75	1.5E-32
ADRB1	ENSG00000043591	adrenoceptor beta 1 [Source:HGNC Symbol;Acc:285]	-2.46	1.5E-32
FAM214B	ENSG00000005238	family with sequence similarity 214, member B [Source:HGNC Symbol;Acc:25666]	-2.06	1.6E-32
FADS6	ENSG00000172782	fatty acid desaturase 6 [Source:HGNC Symbol;Acc:30459]	-3.53	2.1E-32
PARM1	ENSG00000169116	prostate androgen-regulated mucin-like protein 1 [Source:HGNC Symbol;Acc:24536]	-1.99	2.5E-32
GPRC5A	ENSG00000013588	G protein-coupled receptor, family C, group 5, member A [Source:HGNC Symbol;Acc:9836]	-1.58	2.6E-32
PRDM1	ENSG00000057657	PR domain containing 1, with ZNF domain [Source:HGNC Symbol;Acc:9346]	-2.32	3.0E-32
TGFA	ENSG00000163235	transforming growth factor, alpha [Source:HGNC Symbol;Acc:11765]	-1.84	3.1E-32
PPP4R1	ENSG00000154845	protein phosphatase 4, regulatory subunit 1 [Source:HGNC Symbol;Acc:9320]	-1.44	3.3E-32
SLC44A4	ENSG00000204385	solute carrier family 44, member 4 [Source:HGNC Symbol;Acc:13941]	-1.56	3.5E-32
C4BPA	ENSG00000123838	complement component 4 binding protein, alpha [Source:HGNC Symbol;Acc:1325]	-2.37	3.6E-32
NR1I2	ENSG00000144852	nuclear receptor subfamily 1, group I, member 2 [Source:HGNC Symbol;Acc:7968]	-1.43	3.8E-32
STYK1	ENSG00000060140	serine/threonine/tyrosine kinase 1 [Source:HGNC Symbol;Acc:18889]	-1.93	3.9E-32
ST3GAL1	ENSG00000008513	ST3 beta-galactoside alpha-2,3-sialyltransferase 1 [Source:HGNC Symbol;Acc:10862]	-1.86	4.2E-32
CDA	ENSG00000158825	cytidine deaminase [Source:HGNC Symbol;Acc:1712]	-2.21	4.8E-32

SH3D21	ENSG00000214193	SH3 domain containing 21 [Source:HGNC Symbol;Acc:26236]	-2.19	5.3E-32
SERPINA4	ENSG00000100665	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 4 [Source:HGNC Symbol;Acc:8948]	-1.93	6.7E-32
LAMC2	ENSG00000058085	laminin, gamma 2 [Source:HGNC Symbol;Acc:6493]	-2.33	1.6E-31
GPR110	ENSG00000153292	G protein-coupled receptor 110 [Source:HGNC Symbol;Acc:18990]	-2.40	2.5E-31
TRIM31	ENSG00000204616	tripartite motif containing 31 [Source:HGNC Symbol;Acc:16289]	-1.60	2.6E-31
B4GALNT3	ENSG00000139044	beta-1,4-N-acetyl-galactosaminyl transferase 3 [Source:HGNC Symbol;Acc:24137]	-1.93	6.0E-31
RHOF	ENSG00000139725	ras homolog family member F (in filopodia) [Source:HGNC Symbol;Acc:15703]	-2.12	1.2E-30
SLC37A1	ENSG00000160190	solute carrier family 37 (glucose-6-phosphate transporter), member 1 [Source:HGNC Symbol;Acc:11024]	-1.38	1.7E-30
FUT2	ENSG00000176920	fucosyltransferase 2 (secretor status included) [Source:HGNC Symbol;Acc:4013]	-1.62	2.5E-30
DENND3	ENSG00000105339	DENN/MADD domain containing 3 [Source:HGNC Symbol;Acc:29134]	-1.67	3.0E-30
RELL1	ENSG00000181826	RELT-like 1 [Source:HGNC Symbol;Acc:27379]	-1.71	3.2E-30
CDCP1	ENSG00000163814	CUB domain containing protein 1 [Source:HGNC Symbol;Acc:24357]	-1.42	3.5E-30
SGK2	ENSG00000101049	serum/glucocorticoid regulated kinase 2 [Source:HGNC Symbol;Acc:13900]	-1.77	5.1E-30
TM4SF1	ENSG00000169908	transmembrane 4 L six family member 1 [Source:HGNC Symbol;Acc:11853]	-1.76	7.2E-30
CIDEC	ENSG00000187288	cell death-inducing DFFA-like effector c [Source:HGNC Symbol;Acc:24229]	-2.18	7.6E-30
JOSD1	ENSG00000100221	Josephin domain containing 1 [Source:HGNC Symbol;Acc:28953]	-1.47	1.1E-29
BIRC3	ENSG00000023445	baculoviral IAP repeat containing 3 [Source:HGNC Symbol;Acc:591]	-2.06	1.6E-29
LINC00675	ENSG00000263429	long intergenic non-protein coding RNA 675 [Source:HGNC Symbol;Acc:44356]	-1.60	1.9E-29
HBEGF	ENSG00000113070	heparin-binding EGF-like growth factor [Source:HGNC Symbol;Acc:3059]	-2.21	2.6E-29

SRD5A3	ENSG00000128039	steroid 5 alpha-reductase 3 [Source:HGNC Symbol;Acc:25812]	-1.73	2.7E-29
MGLL	ENSG00000074416	monoglyceride lipase [Source:HGNC Symbol;Acc:17038]	-1.80	3.0E-29
MIR22HG	ENSG00000186594	MIR22 host gene (non-protein coding) [Source:HGNC Symbol;Acc:28219]	-2.02	3.1E-29
KRT80	ENSG00000167767	keratin 80 [Source:HGNC Symbol;Acc:27056]	-1.63	3.7E-29
FAXDC2	ENSG00000170271	fatty acid hydroxylase domain containing 2 [Source:HGNC Symbol;Acc:1334]	-2.62	4.8E-29
--	ENSG00000260592	--	-1.69	4.8E-29
MYD88	ENSG00000172936	myeloid differentiation primary response 88 [Source:HGNC Symbol;Acc:7562]	-1.23	5.6E-29
PTK2B	ENSG00000120899	protein tyrosine kinase 2 beta [Source:HGNC Symbol;Acc:9612]	-1.55	6.1E-29
P2RX4	ENSG00000135124	purinergic receptor P2X, ligand-gated ion channel, 4 [Source:HGNC Symbol;Acc:8535]	-1.47	7.0E-29
AOC1	ENSG00000002726	amine oxidase, copper containing 1 [Source:HGNC Symbol;Acc:80]	-1.91	8.8E-29
PLAC8	ENSG00000145287	placenta-specific 8 [Source:HGNC Symbol;Acc:19254]	-2.76	9.1E-29
ID1	ENSG00000125968	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein [Source:HGNC Symbol;Acc:5360]	-2.72	1.0E-28
DUOXA2	ENSG00000140274	dual oxidase maturation factor 2 [Source:HGNC Symbol;Acc:32698]	-2.51	1.1E-28
TMEM92	ENSG00000167105	transmembrane protein 92 [Source:HGNC Symbol;Acc:26579]	-1.69	1.4E-28
TRERF1	ENSG00000124496	transcriptional regulating factor 1 [Source:HGNC Symbol;Acc:18273]	-2.31	1.5E-28
IFNGR2	ENSG00000159128	interferon gamma receptor 2 (interferon gamma transducer 1) [Source:HGNC Symbol;Acc:5440]	-1.37	1.9E-28
--	ENSG00000267484	--	-1.39	2.1E-28
P2RY2	ENSG00000175591	purinergic receptor P2Y, G-protein coupled, 2 [Source:HGNC Symbol;Acc:8541]	-2.08	2.3E-28
PDZK1IP1	ENSG00000162366	PDZK1 interacting protein 1 [Source:HGNC Symbol;Acc:16887]	-1.84	3.2E-28
ZNF185	ENSG00000147394	zinc finger protein 185 (LIM domain) [Source:HGNC Symbol;Acc:12976]	-1.61	3.6E-28

VDAC2	ENSG00000165637	voltage-dependent anion channel 2 [Source:HGNC Symbol;Acc:12672]	-1.40	3.7E-28
HK2	ENSG00000159399	hexokinase 2 [Source:HGNC Symbol;Acc:4923]	-2.06	3.8E-28
SP140L	ENSG00000185404	SP140 nuclear body protein-like [Source:HGNC Symbol;Acc:25105]	-1.33	4.4E-28
IL36RN	ENSG00000136695	interleukin 36 receptor antagonist [Source:HGNC Symbol;Acc:15561]	-2.49	4.7E-28
MYO1E	ENSG00000157483	myosin IE [Source:HGNC Symbol;Acc:7599]	-1.56	5.2E-28
HKDC1	ENSG00000156510	hexokinase domain containing 1 [Source:HGNC Symbol;Acc:23302]	-1.37	6.1E-28
C11orf86	ENSG00000173237	chromosome 11 open reading frame 86 [Source:HGNC Symbol;Acc:34442]	-3.10	7.6E-28
CDHR5	ENSG00000099834	cadherin-related family member 5 [Source:HGNC Symbol;Acc:7521]	-2.17	8.8E-28
PTTG1IP	ENSG00000183255	pituitary tumor-transforming 1 interacting protein [Source:HGNC Symbol;Acc:13524]	-1.29	9.0E-28
NDST1	ENSG00000070614	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1 [Source:HGNC Symbol;Acc:7680]	-1.48	1.0E-27
ANXA11	ENSG00000122359	annexin A11 [Source:HGNC Symbol;Acc:535]	-1.39	1.0E-27
ISG20	ENSG00000172183	interferon stimulated exonuclease gene 20kDa [Source:HGNC Symbol;Acc:6130]	-2.09	1.3E-27
ATF3	ENSG00000162772	activating transcription factor 3 [Source:HGNC Symbol;Acc:785]	-1.81	2.4E-27
RIPK3	ENSG00000129465	receptor-interacting serine-threonine kinase 3 [Source:HGNC Symbol;Acc:10021]	-1.50	2.4E-27
--	ENSG00000264235	--	-1.21	2.6E-27
SLC51A	ENSG00000163959	solute carrier family 51, alpha subunit [Source:HGNC Symbol;Acc:29955]	-1.98	2.7E-27
CCL20	ENSG00000115009	chemokine (C-C motif) ligand 20 [Source:HGNC Symbol;Acc:10619]	-2.37	2.7E-27
MYO15B	ENSG00000266714	myosin XVB pseudogene [Source:HGNC Symbol;Acc:14083]	-2.29	3.0E-27
LRP10	ENSG00000197324	low density lipoprotein receptor-related protein 10 [Source:HGNC Symbol;Acc:14553]	-1.56	3.1E-27
MARCH3	ENSG00000173926	membrane-associated ring finger (C3HC4) 3, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:28728]	-1.37	3.3E-27

TUFT1	ENSG00000143367	tuftelin 1 [Source:HGNC Symbol;Acc:12422]	-1.51	3.5E-27
SAA2	ENSG00000134339	serum amyloid A2 [Source:HGNC Symbol;Acc:10514]	-2.00	6.2E-27
FAM228B	ENSG00000219626	family with sequence similarity 228, member B [Source:HGNC Symbol;Acc:24736]	-1.67	7.2E-27
PARP12	ENSG00000059378	poly (ADP-ribose) polymerase family, member 12 [Source:HGNC Symbol;Acc:21919]	-1.11	7.4E-27
TNIP1	ENSG00000145901	TNFAIP3 interacting protein 1 [Source:HGNC Symbol;Acc:16903]	-1.61	7.5E-27
LANCL3	ENSG00000147036	LanC lantibiotic synthetase component C-like 3 (bacterial) [Source:HGNC Symbol;Acc:24767]	-2.00	8.0E-27
MYO7B	ENSG00000169994	myosin VII B [Source:HGNC Symbol;Acc:7607]	-2.09	9.4E-27
TMEM120B	ENSG00000188735	transmembrane protein 120B [Source:HGNC Symbol;Acc:32008]	-2.06	2.1E-26
RND1	ENSG00000172602	Rho family GTPase 1 [Source:HGNC Symbol;Acc:18314]	-2.52	2.1E-26
CPNE5	ENSG00000124772	copine V [Source:HGNC Symbol;Acc:2318]	-2.68	2.2E-26
ACE2	ENSG00000130234	angiotensin I converting enzyme 2 [Source:HGNC Symbol;Acc:13557]	-2.12	2.5E-26
CTSE	ENSG00000196188	cathepsin E [Source:HGNC Symbol;Acc:2530]	-1.68	2.7E-26
SMPD1	ENSG00000166311	sphingomyelin phosphodiesterase 1, acid lysosomal [Source:HGNC Symbol;Acc:11120]	-1.98	2.9E-26
B4GALT1	ENSG00000086062	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1 [Source:HGNC Symbol;Acc:924]	-1.63	2.9E-26
NOS2	ENSG00000007171	nitric oxide synthase 2, inducible [Source:HGNC Symbol;Acc:7873]	-2.98	5.7E-26
PHGR1	ENSG00000233041	proline/histidine/glycine-rich 1 [Source:HGNC Symbol;Acc:37226]	-3.08	5.7E-26
VILL	ENSG00000136059	villin-like [Source:HGNC Symbol;Acc:30906]	-1.80	6.2E-26
FBXO32	ENSG00000156804	F-box protein 32 [Source:HGNC Symbol;Acc:16731]	-1.63	7.2E-26
C15orf52	ENSG00000188549	chromosome 15 open reading frame 52 [Source:HGNC Symbol;Acc:33488]	-1.47	1.1E-25
MAFF	ENSG00000185022	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog F [Source:HGNC Symbol;Acc:6780]	-1.98	1.1E-25
CLIC5	ENSG00000112782	chloride intracellular channel 5 [Source:HGNC Symbol;Acc:13517]	-2.34	1.3E-25
KIF13B	ENSG00000197892	kinesin family member 13B [Source:HGNC Symbol;Acc:14405]	-1.49	1.6E-25



ABCG1	ENSG00000160179	ATP-binding cassette, sub-family G (WHITE), member 1 [Source:HGNC Symbol;Acc:73]	-1.92	1.6E-25
PRKCD	ENSG00000163932	protein kinase C, delta [Source:HGNC Symbol;Acc:9399]	-1.30	1.8E-25
HIST1H2BC	ENSG00000180596	histone cluster 1, H2bc [Source:HGNC Symbol;Acc:4757]	-2.16	1.8E-25
PVRL4	ENSG00000143217	poliovirus receptor-related 4 [Source:HGNC Symbol;Acc:19688]	-1.55	2.1E-25
		adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2 [Source:HGNC Symbol;Acc:18242]	-1.83	2.4E-25
APPL2	ENSG00000136044			
CORO2A	ENSG00000106789	coronin, actin binding protein, 2A [Source:HGNC Symbol;Acc:2255]	-1.43	2.9E-25
--	ENSG00000268739	--	-2.24	3.9E-25
		regulator of G-protein signaling 2, 24kDa [Source:HGNC Symbol;Acc:9998]	-2.53	4.7E-25
RGS2	ENSG00000116741			
		psoriasis susceptibility 1 candidate 2 [Source:HGNC Symbol;Acc:17199]	-2.15	4.8E-25
PSORS1C2	ENSG00000204538			
--	ENSG00000254680	--	-1.40	5.8E-25
SDC4	ENSG00000124145	syndecan 4 [Source:HGNC Symbol;Acc:10661]	-1.52	6.0E-25
F11R	ENSG00000158769	F11 receptor [Source:HGNC Symbol;Acc:14685]	-1.12	8.5E-25
		tumor necrosis factor receptor superfamily, member 1A [Source:HGNC Symbol;Acc:11916]	-1.41	8.5E-25
TNFRSF1A	ENSG00000067182			
PLXNA2	ENSG00000076356	plexin A2 [Source:HGNC Symbol;Acc:9100]	-1.30	9.4E-25
CLDN7	ENSG00000181885	claudin 7 [Source:HGNC Symbol;Acc:2049]	-1.34	9.9E-25
FLNB-AS1	ENSG00000244161	FLNB antisense RNA 1 [Source:HGNC Symbol;Acc:40239]	-1.93	1.0E-24
		lectin, galactoside-binding, soluble, 9B [Source:HGNC Symbol;Acc:24842]	-2.76	1.0E-24
LGALS9B	ENSG00000170298			
DUSP1	ENSG00000120129	dual specificity phosphatase 1 [Source:HGNC Symbol;Acc:3064]	-2.04	1.0E-24
LAMB3	ENSG00000196878	laminin, beta 3 [Source:HGNC Symbol;Acc:6490]	-1.89	1.2E-24
ACKR2	ENSG00000144648	atypical chemokine receptor 2 [Source:HGNC Symbol;Acc:1565]	-2.69	1.2E-24
		vesicle-associated membrane protein 8 [Source:HGNC Symbol;Acc:12647]	-1.40	1.3E-24
VAMP8	ENSG00000118640			
LASP1	ENSG00000002834	LIM and SH3 protein 1 [Source:HGNC Symbol;Acc:6513]	-1.14	1.6E-24

SLC20A2	ENSG00000168575	solute carrier family 20 (phosphate transporter), member 2 [Source:HGNC Symbol;Acc:10947]	-1.37	1.8E-24
MEF2D	ENSG00000116604	myocyte enhancer factor 2D [Source:HGNC Symbol;Acc:6997]	-1.74	1.9E-24
LMO7	ENSG00000136153	LIM domain 7 [Source:HGNC Symbol;Acc:6646]	-1.84	2.1E-24
MICAL2	ENSG00000133816	microtubule associated monooxygenase, calponin and LIM domain containing 2 [Source:HGNC Symbol;Acc:24693]	-1.38	2.6E-24
UNC5B	ENSG00000107731	unc-5 homolog B (C. elegans) [Source:HGNC Symbol;Acc:12568]	-1.80	2.7E-24
GDPD3	ENSG00000102886	glycerophosphodiester phosphodiesterase domain containing 3 [Source:HGNC Symbol;Acc:28638]	-1.70	3.3E-24
MUC4	ENSG00000145113	mucin 4, cell surface associated [Source:HGNC Symbol;Acc:7514]	-1.98	4.0E-24
SMURF1	ENSG00000198742	SMAD specific E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:16807]	-1.28	4.3E-24
LDLR	ENSG00000130164	low density lipoprotein receptor [Source:HGNC Symbol;Acc:6547]	-1.43	4.8E-24
MPZL3	ENSG00000160588	myelin protein zero-like 3 [Source:HGNC Symbol;Acc:27279]	-1.48	5.0E-24
LGALS3	ENSG00000131981	lectin, galactoside-binding, soluble, 3 [Source:HGNC Symbol;Acc:6563]	-1.37	9.0E-24
MOGAT3	ENSG00000106384	monoacylglycerol O-acyltransferase 3 [Source:HGNC Symbol;Acc:23249]	-1.87	9.1E-24
B3GALT4	ENSG00000235863	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4 [Source:HGNC Symbol;Acc:919]	-1.89	9.5E-24
HIST1H2BD	ENSG00000158373	histone cluster 1, H2bd [Source:HGNC Symbol;Acc:4747]	-1.66	1.1E-23
IL1RN	ENSG00000136689	interleukin 1 receptor antagonist [Source:HGNC Symbol;Acc:6000]	-1.66	1.3E-23
FUT3	ENSG00000171124	fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group) [Source:HGNC Symbol;Acc:4014]	-1.60	1.4E-23
CASP10	ENSG00000003400	caspase 10, apoptosis-related cysteine peptidase [Source:HGNC Symbol;Acc:1500]	-1.44	1.6E-23
NECAP2	ENSG00000157191	NECAP endocytosis associated 2 [Source:HGNC Symbol;Acc:25528]	-1.17	2.2E-23
B3GNT3	ENSG00000179913	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3 [Source:HGNC Symbol;Acc:13528]	-1.48	2.4E-23

CFLAR	ENSG00000003402	CASP8 and FADD-like apoptosis regulator [Source:HGNC Symbol;Acc:1876]	-1.47	2.6E-23
STOM	ENSG00000148175	stomatin [Source:HGNC Symbol;Acc:3383]	-1.71	2.7E-23
FHL2	ENSG00000115641	four and a half LIM domains 2 [Source:HGNC Symbol;Acc:3703]	-1.12	3.1E-23
PSORS1C1	ENSG00000204540	psoriasis susceptibility 1 candidate 1 [Source:HGNC Symbol;Acc:17202]	-2.11	3.2E-23
CDSN	ENSG00000204539	corneodesmosin [Source:HGNC Symbol;Acc:1802]	-2.04	3.4E-23
EDN3	ENSG00000124205	endothelin 3 [Source:HGNC Symbol;Acc:3178]	-2.34	3.4E-23
AGPAT9	ENSG00000138678	1-acylglycerol-3-phosphate O-acyltransferase 9 [Source:HGNC Symbol;Acc:28157]	-1.94	3.9E-23
--	ENSG00000116883	--	-2.31	4.3E-23
ARHGEF18	ENSG00000104880	Rho/Rac guanine nucleotide exchange factor (GEF) 18 [Source:HGNC Symbol;Acc:17090]	-1.80	4.7E-23
PRSS12	ENSG00000164099	protease, serine, 12 (neurotrypsin, motopsin) [Source:HGNC Symbol;Acc:9477]	-1.58	4.7E-23
CLCA4	ENSG00000016602	chloride channel accessory 4 [Source:HGNC Symbol;Acc:2018]	-2.80	4.9E-23
--	ENSG00000258757	--	-1.84	5.4E-23
MISP	ENSG00000099812	mitotic spindle positioning [Source:HGNC Symbol;Acc:27000]	-1.70	5.5E-23
--	ENSG00000171658	--	-2.44	5.5E-23
PRR15L	ENSG00000167183	proline rich 15-like [Source:HGNC Symbol;Acc:28149]	-1.27	6.0E-23
CCDC129	ENSG00000180347	coiled-coil domain containing 129 [Source:HGNC Symbol;Acc:27363]	-2.80	6.1E-23
CCDC68	ENSG00000166510	coiled-coil domain containing 68 [Source:HGNC Symbol;Acc:24350]	-2.00	6.4E-23
RNF186	ENSG00000178828	ring finger protein 186 [Source:HGNC Symbol;Acc:25978]	-1.65	6.6E-23
RPE65	ENSG00000116745	retinal pigment epithelium-specific protein 65kDa [Source:HGNC Symbol;Acc:10294]	-2.09	6.6E-23
FOSL2	ENSG00000075426	FOS-like antigen 2 [Source:HGNC Symbol;Acc:3798]	-1.34	7.5E-23
GK-AS1	ENSG00000243055	GK antisense RNA 1 [Source:HGNC Symbol;Acc:40255]	-2.30	8.4E-23
MUC1	ENSG00000185499	mucin 1, cell surface associated [Source:HGNC Symbol;Acc:7508]	-1.51	9.1E-23
IL17C	ENSG00000124391	interleukin 17C [Source:HGNC Symbol;Acc:5983]	-3.28	9.2E-23

FAM3D	ENSG00000198643	family with sequence similarity 3, member D [Source:HGNC Symbol;Acc:18665]	-1.45	9.6E-23
PXN-AS1	ENSG00000255857	PXN antisense RNA 1 [Source:HGNC Symbol;Acc:44123]	-1.19	9.9E-23
SNRK	ENSG00000163788	SNF related kinase [Source:HGNC Symbol;Acc:30598]	-1.54	1.2E-22
SAMD9L	ENSG00000177409	sterile alpha motif domain containing 9-like [Source:HGNC Symbol;Acc:1349]	-2.19	1.3E-22
ACTB	ENSG00000075624	actin, beta [Source:HGNC Symbol;Acc:132]	-1.30	1.7E-22
CAPN5	ENSG00000149260	calpain 5 [Source:HGNC Symbol;Acc:1482]	-1.33	1.7E-22
C2CD2L	ENSG00000172375	C2CD2-like [Source:HGNC Symbol;Acc:29000]	-1.52	1.8E-22
RND3	ENSG00000115963	Rho family GTPase 3 [Source:HGNC Symbol;Acc:671]	-1.64	2.3E-22
LGALS9C	ENSG00000171916	lectin, galactoside-binding, soluble, 9C [Source:HGNC Symbol;Acc:33874]	-2.34	2.7E-22
TRIO	ENSG00000038382	trio Rho guanine nucleotide exchange factor [Source:HGNC Symbol;Acc:12303]	-1.03	2.8E-22
MAP1LC3B	ENSG00000140941	microtubule-associated protein 1 light chain 3 beta [Source:HGNC Symbol;Acc:13352]	-1.16	2.8E-22
STS	ENSG00000101846	steroid sulfatase (microsomal), isozyme S [Source:HGNC Symbol;Acc:11425]	-1.69	3.2E-22
IRF1	ENSG00000125347	interferon regulatory factor 1 [Source:HGNC Symbol;Acc:6116]	-1.57	3.3E-22
CXCL1	ENSG00000163739	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha) [Source:HGNC Symbol;Acc:4602]	-1.74	3.4E-22
UCA1	ENSG00000214049	urothelial cancer associated 1 (non-protein coding) [Source:HGNC Symbol;Acc:37126]	-1.37	3.6E-22
TMEM127	ENSG00000135956	transmembrane protein 127 [Source:HGNC Symbol;Acc:26038]	-1.26	4.0E-22
GOLGA7B	ENSG00000155265	golgin A7 family, member B [Source:HGNC Symbol;Acc:31668]	-1.77	4.4E-22
--	ENSG00000272851	--	-1.65	4.8E-22
C6orf222	ENSG00000189325	chromosome 6 open reading frame 222 [Source:HGNC Symbol;Acc:33769]	-1.58	4.9E-22
--	ENSG00000270069	--	-1.98	5.2E-22

TNFAIP2	ENSG00000185215	tumor necrosis factor, alpha-induced protein 2 [Source:HGNC Symbol;Acc:11895]	-1.91	5.3E-22
TRIM25	ENSG00000121060	tripartite motif containing 25 [Source:HGNC Symbol;Acc:12932]	-1.16	6.7E-22
LPAR5	ENSG00000184574	lysophosphatidic acid receptor 5 [Source:HGNC Symbol;Acc:13307]	-1.18	9.0E-22
ITM2C	ENSG00000135916	integral membrane protein 2C [Source:HGNC Symbol;Acc:6175]	-1.45	9.2E-22
ETS1	ENSG00000134954	v-ets avian erythroblastosis virus E26 oncogene homolog 1 [Source:HGNC Symbol;Acc:3488]	-2.08	9.7E-22
ZFAND2A	ENSG00000178381	zinc finger, AN1-type domain 2A [Source:HGNC Symbol;Acc:28073]	-1.51	1.1E-21
MYRFL	ENSG00000166268	myelin regulatory factor-like [Source:HGNC Symbol;Acc:26316]	-1.69	1.3E-21
ABHD4	ENSG00000100439	abhydrolase domain containing 4 [Source:HGNC Symbol;Acc:20154]	-1.44	1.3E-21
TMC4	ENSG00000167608	transmembrane channel-like 4 [Source:HGNC Symbol;Acc:22998]	-1.39	1.5E-21
SLC9A8	ENSG00000197818	solute carrier family 9, subfamily A (NHE8, cation proton antiporter 8), member 8 [Source:HGNC Symbol;Acc:20728]	-1.30	1.5E-21
MAPK3	ENSG00000102882	mitogen-activated protein kinase 3 [Source:HGNC Symbol;Acc:6877]	-1.42	1.5E-21
KIAA0247	ENSG00000100647	KIAA0247 [Source:HGNC Symbol;Acc:19956]	-1.34	1.5E-21
CLDN4	ENSG00000189143	claudin 4 [Source:HGNC Symbol;Acc:2046]	-1.83	1.6E-21
EZR	ENSG00000092820	ezrin [Source:HGNC Symbol;Acc:12691]	-1.32	1.6E-21
BEAN1	ENSG00000166546	brain expressed, associated with NEDD4, 1 [Source:HGNC Symbol;Acc:24160]	-2.59	2.0E-21
NT5C2	ENSG00000076685	5'-nucleotidase, cytosolic II [Source:HGNC Symbol;Acc:8022]	-1.25	2.0E-21
TM4SF20	ENSG00000168955	transmembrane 4 L six family member 20 [Source:HGNC Symbol;Acc:26230]	-2.34	2.1E-21
CTNND1	ENSG00000198561	catenin (cadherin-associated protein), delta 1 [Source:HGNC Symbol;Acc:2515]	-1.42	2.1E-21
LHFPL2	ENSG00000145685	lipoma HMGIC fusion partner-like 2 [Source:HGNC Symbol;Acc:6588]	-1.39	2.5E-21
POLD4	ENSG00000175482	polymerase (DNA-directed), delta 4, accessory subunit [Source:HGNC Symbol;Acc:14106]	-1.56	2.6E-21
LGALS1	ENSG00000119862	lectin, galactoside-binding-like [Source:HGNC Symbol;Acc:25012]	-1.69	2.7E-21

ABLIM3	ENSG00000173210	actin binding LIM protein family, member 3 [Source:HGNC Symbol;Acc:29132]	-1.45	2.8E-21
ERO1L	ENSG00000197930	ERO1-like ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:13280]	-1.94	2.9E-21
TINAGL1	ENSG00000142910	tubulointerstitial nephritis antigen-like 1 [Source:HGNC Symbol;Acc:19168]	-1.72	3.0E-21
TNFAIP1	ENSG00000109079	tumor necrosis factor, alpha-induced protein 1 (endothelial) [Source:HGNC Symbol;Acc:11894]	-1.18	3.3E-21
MAPRE3	ENSG00000084764	microtubule-associated protein, RP/EB family, member 3 [Source:HGNC Symbol;Acc:6892]	-1.34	3.5E-21
TXNRD1	ENSG00000198431	thioredoxin reductase 1 [Source:HGNC Symbol;Acc:12437]	-1.54	3.8E-21
SPINT1	ENSG00000166145	serine peptidase inhibitor, Kunitz type 1 [Source:HGNC Symbol;Acc:11246]	-1.42	3.8E-21
GUCA2A	ENSG00000197273	guanylate cyclase activator 2A (guanylin) [Source:HGNC Symbol;Acc:4682]	-2.79	3.8E-21
ANXA2	ENSG00000182718	annexin A2 [Source:HGNC Symbol;Acc:537]	-1.05	4.0E-21
--	ENSG00000259607	--	-1.57	4.1E-21
ANPEP	ENSG00000166825	alanyl (membrane) aminopeptidase [Source:HGNC Symbol;Acc:500]	-1.92	4.2E-21
PPP1R11	ENSG00000204619	protein phosphatase 1, regulatory (inhibitor) subunit 11 [Source:HGNC Symbol;Acc:9285]	-1.21	4.6E-21
SMPD3	ENSG00000103056	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II) [Source:HGNC Symbol;Acc:14240]	-1.60	4.7E-21
C1orf106	ENSG00000163362	chromosome 1 open reading frame 106 [Source:HGNC Symbol;Acc:25599]	-1.31	4.9E-21
IGSF9	ENSG00000085552	immunoglobulin superfamily, member 9 [Source:HGNC Symbol;Acc:18132]	-2.24	5.1E-21
AHNAK	ENSG00000124942	AHNAK nucleoprotein [Source:HGNC Symbol;Acc:347]	-1.30	5.1E-21
GJB4	ENSG00000189433	gap junction protein, beta 4, 30.3kDa [Source:HGNC Symbol;Acc:4286]	-2.01	5.3E-21

SLC6A8	ENSG00000130821	solute carrier family 6 (neurotransmitter transporter), member 8 [Source:HGNC Symbol;Acc:11055]	-1.70	5.7E-21
MXRA5	ENSG00000101825	matrix-remodelling associated 5 [Source:HGNC Symbol;Acc:7539]	-1.35	5.8E-21
CYTH1	ENSG00000108669	cytohesin 1 [Source:HGNC Symbol;Acc:9501]	-1.32	7.3E-21
GRHL1	ENSG00000134317	grainyhead-like 1 (Drosophila) [Source:HGNC Symbol;Acc:17923]	-1.58	8.3E-21
TRIM16	ENSG00000221926	tripartite motif containing 16 [Source:HGNC Symbol;Acc:17241]	-1.29	8.5E-21
ECM1	ENSG00000143369	extracellular matrix protein 1 [Source:HGNC Symbol;Acc:3153]	-1.47	8.7E-21
PSD4	ENSG00000125637	pleckstrin and Sec7 domain containing 4 [Source:HGNC Symbol;Acc:19096]	-1.23	8.7E-21
MICALCL	ENSG00000133808	MICAL C-terminal like [Source:HGNC Symbol;Acc:25933]	-1.90	9.2E-21
GK	ENSG00000198814	glycerol kinase [Source:HGNC Symbol;Acc:4289]	-1.74	1.0E-20
WSB1	ENSG00000109046	WD repeat and SOCS box containing 1 [Source:HGNC Symbol;Acc:19221]	-1.70	1.3E-20
HIST1H4H	ENSG00000158406	histone cluster 1, H4h [Source:HGNC Symbol;Acc:4788]	-1.81	1.4E-20
SGK1	ENSG00000118515	serum/glucocorticoid regulated kinase 1 [Source:HGNC Symbol;Acc:10810]	-1.42	1.5E-20
TPK1	ENSG00000196511	thiamin pyrophosphokinase 1 [Source:HGNC Symbol;Acc:17358]	-1.70	1.5E-20
QSOX1	ENSG00000116260	quiescin Q6 sulfhydryl oxidase 1 [Source:HGNC Symbol;Acc:9756]	-1.60	1.9E-20
SYT12	ENSG00000173227	synaptotagmin XII [Source:HGNC Symbol;Acc:18381]	-2.18	1.9E-20
ACTG1	ENSG00000184009	actin, gamma 1 [Source:HGNC Symbol;Acc:144]	-1.03	2.0E-20
RCAN1	ENSG00000159200	regulator of calcineurin 1 [Source:HGNC Symbol;Acc:3040]	-1.60	2.0E-20
GPRIN1	ENSG00000169258	G protein regulated inducer of neurite outgrowth 1 [Source:HGNC Symbol;Acc:24835]	-1.86	2.4E-20
SDR16C5	ENSG00000170786	short chain dehydrogenase/reductase family 16C, member 5 [Source:HGNC Symbol;Acc:30311]	-1.63	2.6E-20
TFAP2C	ENSG00000087510	transcription factor AP-2 gamma (activating enhancer binding protein 2 gamma) [Source:HGNC Symbol;Acc:11744]	-1.55	2.7E-20
DLG3	ENSG00000082458	discs, large homolog 3 (Drosophila) [Source:HGNC Symbol;Acc:2902]	-1.07	2.8E-20

CDH17	ENSG00000079112	cadherin 17, LI cadherin (liver-intestine) [Source:HGNC Symbol;Acc:1756]	-1.69	2.9E-20
PAX8-AS1	ENSG00000189223	PAX8 antisense RNA 1 [Source:HGNC Symbol;Acc:49271]	-1.19	2.9E-20
TRIM21	ENSG00000132109	tripartite motif containing 21 [Source:HGNC Symbol;Acc:11312]	-1.10	3.4E-20
TMEM86A	ENSG00000151117	transmembrane protein 86A [Source:HGNC Symbol;Acc:26890]	-1.68	3.6E-20
PIM1	ENSG00000137193	pim-1 oncogene [Source:HGNC Symbol;Acc:8986]	-1.80	4.0E-20
MMP28	ENSG00000129270	matrix metalloproteinase 28 [Source:HGNC Symbol;Acc:14366]	-2.37	4.2E-20
IL10RB	ENSG00000243646	interleukin 10 receptor, beta [Source:HGNC Symbol;Acc:5965]	-1.27	4.2E-20
SH3KBP1	ENSG00000147010	SH3-domain kinase binding protein 1 [Source:HGNC Symbol;Acc:13867]	-1.47	4.4E-20
ENTPD8	ENSG00000188833	ectonucleoside triphosphate diphosphohydrolase 8 [Source:HGNC Symbol;Acc:24860]	-2.35	4.6E-20
TNFRSF21	ENSG00000146072	tumor necrosis factor receptor superfamily, member 21 [Source:HGNC Symbol;Acc:13469]	-1.33	4.9E-20
TRAFD1	ENSG00000135148	TRAF-type zinc finger domain containing 1 [Source:HGNC Symbol;Acc:24808]	-1.43	5.1E-20
ACSS2	ENSG00000131069	acyl-CoA synthetase short-chain family member 2 [Source:HGNC Symbol;Acc:15814]	-1.42	5.5E-20
CCNYL1	ENSG00000163249	cyclin Y-like 1 [Source:HGNC Symbol;Acc:26868]	-1.74	5.8E-20
HRASLS2	ENSG00000133328	HRAS-like suppressor 2 [Source:HGNC Symbol;Acc:17824]	-2.21	5.9E-20
GGT1	ENSG00000100031	gamma-glutamyltransferase 1 [Source:HGNC Symbol;Acc:4250]	-1.79	6.1E-20
ATG9B	ENSG00000181652	autophagy related 9B [Source:HGNC Symbol;Acc:21899]	-2.06	6.2E-20
CAPN2	ENSG00000162909	calpain 2, (m/II) large subunit [Source:HGNC Symbol;Acc:1479]	-1.38	6.6E-20
OSTF1	ENSG00000134996	osteoclast stimulating factor 1 [Source:HGNC Symbol;Acc:8510]	-1.19	7.4E-20
DUOXA1	ENSG00000140254	dual oxidase maturation factor 1 [Source:HGNC Symbol;Acc:26507]	-2.63	7.8E-20
GSN	ENSG00000148180	gelsolin [Source:HGNC Symbol;Acc:4620]	-1.43	8.1E-20
EFNB2	ENSG00000125266	ephrin-B2 [Source:HGNC Symbol;Acc:3227]	-1.49	8.6E-20
AMOTL2	ENSG00000114019	angiomin like 2 [Source:HGNC Symbol;Acc:17812]	-1.35	9.9E-20



CEACAM6	ENSG00000086548	carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen) [Source:HGNC Symbol;Acc:1818]	-2.04	1.1E-19
VGLL1	ENSG00000102243	vestigial like 1 (Drosophila) [Source:HGNC Symbol;Acc:20985]	-1.53	1.1E-19
DOK4	ENSG00000125170	docking protein 4 [Source:HGNC Symbol;Acc:19868]	-1.50	1.1E-19
DNAH17	ENSG00000187775	dynein, axonemal, heavy chain 17 [Source:HGNC Symbol;Acc:2946]	-1.84	1.2E-19
DUSP14	ENSG00000161326	dual specificity phosphatase 14 [Source:HGNC Symbol;Acc:17007]	-1.61	1.3E-19
ITPR3	ENSG00000096433	inositol 1,4,5-trisphosphate receptor, type 3 [Source:HGNC Symbol;Acc:6182]	-1.31	1.3E-19
EFNA2	ENSG00000099617	ephrin-A2 [Source:HGNC Symbol;Acc:3222]	-1.66	1.7E-19
LPIN2	ENSG00000101577	lipin 2 [Source:HGNC Symbol;Acc:14450]	-1.26	1.8E-19
PPP2R5B	ENSG00000068971	protein phosphatase 2, regulatory subunit B', beta [Source:HGNC Symbol;Acc:9310]	-1.76	1.8E-19
ALAS1	ENSG00000023330	aminolevulinic acid synthase 1 [Source:HGNC Symbol;Acc:396]	-1.38	1.8E-19
ADTRP	ENSG00000111863	androgen-dependent TFPI-regulating protein [Source:HGNC Symbol;Acc:21214]	-1.90	1.9E-19
PITPNC1	ENSG00000154217	phosphatidylinositol transfer protein, cytoplasmic 1 [Source:HGNC Symbol;Acc:21045]	-1.10	1.9E-19
ITGA3	ENSG00000005884	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor) [Source:HGNC Symbol;Acc:6139]	-1.57	1.9E-19
CPE	ENSG00000109472	carboxypeptidase E [Source:HGNC Symbol;Acc:2303]	-2.02	2.2E-19
WASF2	ENSG00000158195	WAS protein family, member 2 [Source:HGNC Symbol;Acc:12733]	-0.98	2.4E-19
UGCG	ENSG00000148154	UDP-glucose ceramide glucosyltransferase [Source:HGNC Symbol;Acc:12524]	-1.60	2.6E-19
IL15	ENSG00000164136	interleukin 15 [Source:HGNC Symbol;Acc:5977]	-1.97	2.7E-19
FABP2	ENSG00000145384	fatty acid binding protein 2, intestinal [Source:HGNC Symbol;Acc:3556]	-1.69	2.9E-19
PSEN1	ENSG00000080815	presenilin 1 [Source:HGNC Symbol;Acc:9508]	-1.06	3.0E-19
PRSS3	ENSG00000010438	protease, serine, 3 [Source:HGNC Symbol;Acc:9486]	-1.55	3.5E-19

SERPINB8	ENSG00000166401	serpin peptidase inhibitor, clade B (ovalbumin), member 8 [Source:HGNC Symbol;Acc:8952]	-1.67	3.6E-19
RIPK1	ENSG00000137275	receptor (TNFRSF)-interacting serine-threonine kinase 1 [Source:HGNC Symbol;Acc:10019]	-1.17	3.6E-19
EPS8L1	ENSG00000131037	EPS8-like 1 [Source:HGNC Symbol;Acc:21295]	-2.21	3.7E-19
DUSP4	ENSG00000120875	dual specificity phosphatase 4 [Source:HGNC Symbol;Acc:3070]	-1.75	4.0E-19
SULT2B1	ENSG00000088002	sulfotransferase family, cytosolic, 2B, member 1 [Source:HGNC Symbol;Acc:11459]	-2.14	4.6E-19
MUC17	ENSG00000169876	mucin 17, cell surface associated [Source:HGNC Symbol;Acc:16800]	-1.79	4.6E-19
SH3TC2	ENSG00000169247	SH3 domain and tetratricopeptide repeats 2 [Source:HGNC Symbol;Acc:29427]	-1.20	4.6E-19
SCNN1A	ENSG00000111319	sodium channel, non-voltage-gated 1 alpha subunit [Source:HGNC Symbol;Acc:10599]	-1.17	4.7E-19
UBC	ENSG00000150991	ubiquitin C [Source:HGNC Symbol;Acc:12468]	-1.07	4.8E-19
TMC7	ENSG00000170537	transmembrane channel-like 7 [Source:HGNC Symbol;Acc:23000]	-1.37	4.8E-19
TRIM31-AS1	ENSG00000231226	TRIM31 antisense RNA 1 [Source:HGNC Symbol;Acc:39761]	-1.62	5.5E-19
PAX8	ENSG00000125618	paired box 8 [Source:HGNC Symbol;Acc:8622]	-1.35	5.7E-19
S100A11	ENSG00000163191	S100 calcium binding protein A11 [Source:HGNC Symbol;Acc:10488]	-1.19	6.6E-19
SH3GLB1	ENSG00000097033	SH3-domain GRB2-like endophilin B1 [Source:HGNC Symbol;Acc:10833]	-1.47	7.0E-19
PDGFA	ENSG00000197461	platelet-derived growth factor alpha polypeptide [Source:HGNC Symbol;Acc:8799]	-1.52	7.1E-19
HEPH	ENSG00000089472	hephaestin [Source:HGNC Symbol;Acc:4866]	-1.23	7.3E-19
TLDC1	ENSG00000140950	TBC/LysM-associated domain containing 1 [Source:HGNC Symbol;Acc:29325]	-1.42	7.8E-19
CCL28	ENSG00000151882	chemokine (C-C motif) ligand 28 [Source:HGNC Symbol;Acc:17700]	-1.54	7.9E-19
GUCA2B	ENSG00000044012	guanylate cyclase activator 2B (uroguanylin) [Source:HGNC Symbol;Acc:4683]	-2.53	1.1E-18
UPP1	ENSG00000183696	uridine phosphorylase 1 [Source:HGNC Symbol;Acc:12576]	-1.80	1.3E-18

CD274	ENSG00000120217	CD274 molecule [Source:HGNC Symbol;Acc:17635]	-1.93	1.3E-18
NPC1	ENSG00000141458	Niemann-Pick disease, type C1 [Source:HGNC Symbol;Acc:7897]	-1.23	1.6E-18
TBC1D8	ENSG00000204634	TBC1 domain family, member 8 (with GRAM domain) [Source:HGNC Symbol;Acc:17791]	-1.38	1.9E-18
TMEM253	ENSG00000232070	transmembrane protein 253 [Source:HGNC Symbol;Acc:32545]	-1.63	2.0E-18
MIDN	ENSG00000167470	midnolin [Source:HGNC Symbol;Acc:16298]	-1.44	2.2E-18
SHC1	ENSG00000160691	SHC (Src homology 2 domain containing) transforming protein 1 [Source:HGNC Symbol;Acc:10840]	-1.16	2.2E-18
ZNFX1	ENSG00000124201	zinc finger, NFX1-type containing 1 [Source:HGNC Symbol;Acc:29271]	-1.06	2.3E-18
TRIM29	ENSG00000137699	tripartite motif containing 29 [Source:HGNC Symbol;Acc:17274]	-1.79	2.3E-18
VIMP	ENSG00000131871	VCP-interacting membrane protein [Source:HGNC Symbol;Acc:30396]	-1.11	2.3E-18
--	ENSG00000272899	--	-1.65	2.4E-18
RHOC	ENSG00000155366	ras homolog family member C [Source:HGNC Symbol;Acc:669]	-1.60	2.6E-18
GBP3	ENSG00000117226	guanylate binding protein 3 [Source:HGNC Symbol;Acc:4184]	-1.77	3.2E-18
WSB2	ENSG00000176871	WD repeat and SOCS box containing 2 [Source:HGNC Symbol;Acc:19222]	-1.22	3.2E-18
--	ENSG00000233589	--	-1.47	3.4E-18
NOSTRIN	ENSG00000163072	nitric oxide synthase trafficking family with sequence similarity 160, member A2 [Source:HGNC Symbol;Acc:20203]	-1.78	3.6E-18
FAM160A2	ENSG00000051009	nuclear protein localization 4 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:25378]	-1.27	3.8E-18
NPLOC4	ENSG00000182446	optineurin [Source:HGNC Symbol;Acc:17142]	-1.24	4.3E-18
OPTN	ENSG00000123240	acetylcholinesterase (Yt blood group) [Source:HGNC Symbol;Acc:108]	-1.40	4.5E-18
ACHE	ENSG00000087085	tubulin, beta 2A class IIa [Source:HGNC Symbol;Acc:12412]	-2.39	4.6E-18
TUBB2A	ENSG00000137267	acyl-CoA thioesterase 9 [Source:HGNC Symbol;Acc:17152]	-1.55	4.6E-18
ACOT9	ENSG00000123130	Rho GTPase activating protein 30 [Source:HGNC Symbol;Acc:27414]	-1.09	5.2E-18
ARHGAP30	ENSG00000186517	calsyntenin 1 [Source:HGNC Symbol;Acc:17447]	-1.81	5.3E-18
CLSTN1	ENSG00000171603		-1.08	5.5E-18

CNNM2	ENSG00000148842	cyclin M2 [Source:HGNC Symbol;Acc:103]	-1.20	5.8E-18
PLEKHA7	ENSG00000166689	pleckstrin homology domain containing, family A member 7 [Source:HGNC Symbol;Acc:27049]	-1.21	7.3E-18
MGAT4A	ENSG00000071073	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A [Source:HGNC Symbol;Acc:7047]	-1.72	7.6E-18
ZFYVE1	ENSG00000165861	zinc finger, FYVE domain containing 1 [Source:HGNC Symbol;Acc:13180]	-1.37	7.6E-18
MYLK	ENSG00000065534	myosin light chain kinase [Source:HGNC Symbol;Acc:7590]	-1.53	7.9E-18
SPPL2A	ENSG00000138600	signal peptide peptidase like 2A [Source:HGNC Symbol;Acc:30227]	-1.52	8.6E-18
ECE1	ENSG00000117298	endothelin converting enzyme 1 [Source:HGNC Symbol;Acc:3146]	-1.48	8.6E-18
ABTB2	ENSG00000166016	ankyrin repeat and BTB (POZ) domain containing 2 [Source:HGNC Symbol;Acc:23842]	-1.38	8.9E-18
ELOVL1	ENSG00000066322	ELOVL fatty acid elongase 1 [Source:HGNC Symbol;Acc:14418]	-1.19	1.1E-17
ZBTB43	ENSG00000169155	zinc finger and BTB domain containing 43 [Source:HGNC Symbol;Acc:17908]	-1.23	1.1E-17
PLA2G2F	ENSG00000158786	phospholipase A2, group IIF [Source:HGNC Symbol;Acc:30040]	-2.06	1.2E-17
OAS1	ENSG00000089127	2'-5'-oligoadenylate synthetase 1, 40/46kDa [Source:HGNC Symbol;Acc:8086]	-1.16	1.3E-17
SLC9A3R1	ENSG00000109062	solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 regulator 1 [Source:HGNC Symbol;Acc:11075]	-1.33	1.3E-17
MYH14	ENSG00000105357	myosin, heavy chain 14, non-muscle [Source:HGNC Symbol;Acc:23212]	-1.47	1.5E-17
CCDC120	ENSG00000147144	coiled-coil domain containing 120 [Source:HGNC Symbol;Acc:28910]	-1.28	1.5E-17
ALS2CL	ENSG00000178038	ALS2 C-terminal like [Source:HGNC Symbol;Acc:20605]	-1.87	1.5E-17
DAPP1	ENSG00000070190	dual adaptor of phosphotyrosine and 3-phosphoinositides [Source:HGNC Symbol;Acc:16500]	-1.60	1.6E-17
PRRG1	ENSG00000130962	proline rich Gla (G-carboxyglutamic acid) 1 [Source:HGNC Symbol;Acc:9469]	-1.73	1.6E-17

RSAD2	ENSG00000134321	radical S-adenosyl methionine domain containing 2 [Source:HGNC Symbol;Acc:30908]	-2.34	1.7E-17
FOXO1	ENSG00000150907	forkhead box O1 [Source:HGNC Symbol;Acc:3819]	-1.59	1.8E-17
RAPH1	ENSG00000173166	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1 [Source:HGNC Symbol;Acc:14436]	-1.41	1.9E-17
KIAA0226	ENSG00000145016	KIAA0226 [Source:HGNC Symbol;Acc:28991]	-1.20	2.2E-17
VRK3	ENSG00000105053	vaccinia related kinase 3 [Source:HGNC Symbol;Acc:18996]	-1.10	2.3E-17
CSRNP1	ENSG00000144655	cysteine-serine-rich nuclear protein 1 [Source:HGNC Symbol;Acc:14300]	-1.68	2.3E-17
SEMA7A	ENSG00000138623	semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group) [Source:HGNC Symbol;Acc:10741]	-2.06	2.9E-17
AKAP13	ENSG00000170776	A kinase (PRKA) anchor protein 13 [Source:HGNC Symbol;Acc:371]	-1.07	2.9E-17
MUC20	ENSG00000176945	mucin 20, cell surface associated [Source:HGNC Symbol;Acc:23282]	-1.15	3.0E-17
MARVELD3	ENSG00000140832	MARVEL domain containing 3 [Source:HGNC Symbol;Acc:30525]	-1.09	3.2E-17
LYST	ENSG00000143669	lysosomal trafficking regulator [Source:HGNC Symbol;Acc:1968]	-1.68	3.3E-17
KLF4	ENSG00000136826	Kruppel-like factor 4 (gut) [Source:HGNC Symbol;Acc:6348]	-1.59	3.6E-17
MAP3K8	ENSG00000107968	mitogen-activated protein kinase kinase kinase 8 [Source:HGNC Symbol;Acc:6860]	-1.42	3.8E-17
TSC22D2	ENSG00000196428	TSC22 domain family, member 2 [Source:HGNC Symbol;Acc:29095]	-1.34	3.9E-17
ZFP36	ENSG00000128016	ZFP36 ring finger protein [Source:HGNC Symbol;Acc:12862]	-1.62	4.0E-17
SUN1	ENSG00000164828	Sad1 and UNC84 domain containing 1 [Source:HGNC Symbol;Acc:18587]	-1.11	4.0E-17
RAB9A	ENSG00000123595	RAB9A, member RAS oncogene family [Source:HGNC Symbol;Acc:9792]	-1.26	4.1E-17
RAP2B	ENSG00000181467	RAP2B, member of RAS oncogene family [Source:HGNC Symbol;Acc:9862]	-1.23	4.2E-17
MYEOV	ENSG00000172927	myeloma overexpressed [Source:HGNC Symbol;Acc:7563]	-1.26	4.3E-17
RARRES3	ENSG00000133321	retinoic acid receptor responder (tazarotene induced) 3 [Source:HGNC Symbol;Acc:9869]	-1.31	4.3E-17

KIAA0040	ENSG00000235750	KIAA0040 [Source:HGNC Symbol;Acc:28950] DnaJ (Hsp40) homolog, subfamily C, member 5 [Source:HGNC Symbol;Acc:16235]	-1.19	4.5E-17
DNAJC5	ENSG00000101152	pyruvate dehydrogenase phosphatase catalytic subunit 1 [Source:HGNC Symbol;Acc:9279]	-1.47	4.6E-17
PDP1	ENSG00000164951	oxysterol binding protein 2 [Source:HGNC Symbol;Acc:8504]	-1.49	4.7E-17
OSBP2	ENSG00000184792	perilipin 3 [Source:HGNC Symbol;Acc:16893]	-1.56	4.7E-17
PLIN3	ENSG00000105355	proprotein convertase subtilisin/kexin type 5 [Source:HGNC Symbol;Acc:8747]	-1.48	4.8E-17
PCSK5	ENSG00000099139	tripartite motif containing 15 [Source:HGNC Symbol;Acc:16284]	-1.55	5.0E-17
TRIM15	ENSG00000204610	caspase 5, apoptosis-related cysteine peptidase [Source:HGNC Symbol;Acc:1506]	-1.84	5.5E-17
CASP5	ENSG00000137757	egl-9 family hypoxia-inducible factor 3 [Source:HGNC Symbol;Acc:14661]	-1.92	5.6E-17
EGLN3	ENSG00000129521	chromosome 1 open reading frame 115 [Source:HGNC Symbol;Acc:25873]	-1.59	5.8E-17
C1orf115	ENSG00000162817	interferon regulatory factor 6 [Source:HGNC Symbol;Acc:6121]	-1.55	6.8E-17
IRF6	ENSG00000117595	kallikrein-related peptidase 12 [Source:HGNC Symbol;Acc:6360]	-1.12	7.1E-17
KLK12	ENSG00000186474	human immunodeficiency virus type I enhancer binding protein 2 [Source:HGNC Symbol;Acc:4921]	-2.32	7.2E-17
HIVEP2	ENSG00000010818	myosin, light chain 12A, regulatory, non-sarcomeric [Source:HGNC Symbol;Acc:16701]	-1.52	7.5E-17
MYL12A	ENSG00000101608	chromosome 6 open reading frame 132 [Source:HGNC Symbol;Acc:21288]	-1.17	7.6E-17
C6orf132	ENSG00000188112	adiponectin receptor 2 [Source:HGNC Symbol;Acc:24041]	-1.37	7.7E-17
ADIPOR2	ENSG00000006831	LY6/PLAUR domain containing 5 [Source:HGNC Symbol;Acc:26397]	-1.00	8.2E-17
LYPD5	ENSG00000159871	desmocollin 2 [Source:HGNC Symbol;Acc:3036]	-1.81	8.3E-17
DSC2	ENSG00000134755	solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 [Source:HGNC Symbol;Acc:11073]	-1.60	8.3E-17
SLC9A3	ENSG00000066230		-2.28	8.5E-17

TMEM176B	ENSG00000106565	transmembrane protein 176B [Source:HGNC Symbol;Acc:29596]	-1.23	9.0E-17
BMP2	ENSG00000125845	bone morphogenetic protein 2 [Source:HGNC Symbol;Acc:1069]	-1.72	1.1E-16
--	ENSG00000267601	--	-1.97	1.2E-16
KCNK1	ENSG00000135750	potassium channel, subfamily K, member 1 [Source:HGNC Symbol;Acc:6272]	-1.11	1.2E-16
ATG4A	ENSG00000101844	autophagy related 4A, cysteine peptidase [Source:HGNC Symbol;Acc:16489]	-1.39	1.3E-16
VIPR1	ENSG00000114812	vasoactive intestinal peptide receptor 1 [Source:HGNC Symbol;Acc:12694]	-1.38	1.3E-16
SSUH2	ENSG00000125046	ssu-2 homolog (C. elegans) [Source:HGNC Symbol;Acc:24809]	-2.32	1.3E-16
SEMG2	ENSG00000124157	semenogelin II [Source:HGNC Symbol;Acc:10743]	-1.61	1.3E-16
HLA-E	ENSG00000204592	major histocompatibility complex, class I, E [Source:HGNC Symbol;Acc:4962]	-1.23	1.4E-16
ZZEF1	ENSG00000074755	zinc finger, ZZ-type with EF-hand domain 1 [Source:HGNC Symbol;Acc:29027]	-1.23	1.4E-16
BHLHE40	ENSG00000134107	basic helix-loop-helix family, member e40 [Source:HGNC Symbol;Acc:1046]	-1.33	1.5E-16
VEGFA	ENSG00000112715	vascular endothelial growth factor A [Source:HGNC Symbol;Acc:12680]	-1.47	1.7E-16
GTPBP2	ENSG00000172432	GTP binding protein 2 [Source:HGNC Symbol;Acc:4670]	-1.38	1.8E-16
--	ENSG00000235434	--	-1.77	1.8E-16
GLTP	ENSG00000139433	glycolipid transfer protein [Source:HGNC Symbol;Acc:24867]	-1.13	1.9E-16
USP53	ENSG00000145390	ubiquitin specific peptidase 53 [Source:HGNC Symbol;Acc:29255]	-1.64	1.9E-16
TM4SF4	ENSG00000169903	transmembrane 4 L six family member 4 [Source:HGNC Symbol;Acc:11856]	-1.64	1.9E-16
IFNAR2	ENSG00000159110	interferon (alpha, beta and omega) receptor 2 [Source:HGNC Symbol;Acc:5433]	-1.15	1.9E-16
CEACAM19	ENSG00000186567	carcinoembryonic antigen-related cell adhesion molecule 19 [Source:HGNC Symbol;Acc:31951]	-1.88	2.0E-16

MROH3P	ENSG00000233217	maestro heat-like repeat family member 3, pseudogene [Source:HGNC Symbol;Acc:33122]	-2.54	2.0E-16
MAPK8IP1	ENSG00000121653	mitogen-activated protein kinase 8 interacting protein 1 [Source:HGNC Symbol;Acc:6882]	-1.49	2.0E-16
SAMD9	ENSG00000205413	sterile alpha motif domain containing 9 [Source:HGNC Symbol;Acc:1348]	-2.11	2.0E-16
ASAP2	ENSG00000151693	ArfGAP with SH3 domain, ankyrin repeat and PH domain 2 [Source:HGNC Symbol;Acc:2721]	-1.32	2.0E-16
PTK6	ENSG00000101213	protein tyrosine kinase 6 [Source:HGNC Symbol;Acc:9617]	-1.44	2.0E-16
DCTN2	ENSG00000175203	dynactin 2 (p50) [Source:HGNC Symbol;Acc:2712]	-1.01	2.0E-16
BMF	ENSG00000104081	Bcl2 modifying factor [Source:HGNC Symbol;Acc:24132]	-1.51	2.1E-16
ATP6V1D	ENSG00000100554	ATPase, H <sup>+</sup> transporting, lysosomal 34kDa, V1 subunit D [Source:HGNC Symbol;Acc:13527]	-1.23	2.5E-16
KALRN	ENSG00000160145	kalirin, RhoGEF kinase [Source:HGNC Symbol;Acc:4814]	-1.40	2.5E-16
ERN1	ENSG00000178607	endoplasmic reticulum to nucleus signaling 1 [Source:HGNC Symbol;Acc:3449]	-1.12	2.6E-16
VWA7	ENSG00000204396	von Willebrand factor A domain containing 7 [Source:HGNC Symbol;Acc:13939]	-1.60	2.7E-16
CD24P4	ENSG00000185275	CD24 molecule pseudogene 4 [Source:HGNC Symbol;Acc:1649]	-1.53	3.1E-16
RNF103	ENSG00000239305	ring finger protein 103 [Source:HGNC Symbol;Acc:12859]	-1.42	3.1E-16
GIPR	ENSG00000010310	gastric inhibitory polypeptide receptor [Source:HGNC Symbol;Acc:4271]	-1.86	3.4E-16
ERRFI1	ENSG00000116285	ERBB receptor feedback inhibitor 1 [Source:HGNC Symbol;Acc:18185]	-1.42	3.5E-16
USH1C	ENSG00000006611	Usher syndrome 1C (autosomal recessive, severe) [Source:HGNC Symbol;Acc:12597]	-1.00	3.6E-16
PXN	ENSG00000089159	paxillin [Source:HGNC Symbol;Acc:9718]	-1.20	3.6E-16
RECQL5	ENSG00000108469	RecQ protein-like 5 [Source:HGNC Symbol;Acc:9950]	-1.73	3.7E-16
RNASE1	ENSG00000129538	ribonuclease, RNase A family, 1 (pancreatic) [Source:HGNC Symbol;Acc:10044]	-1.39	3.8E-16



N4BP1	ENSG00000102921	NEDD4 binding protein 1 [Source:HGNC Symbol;Acc:29850]	-1.27	3.9E-16
RAP2C-AS1	ENSG00000232160	RAP2C antisense RNA 1 [Source:HGNC Symbol;Acc:40957]	-1.96	4.1E-16
IRAK2	ENSG00000134070	interleukin-1 receptor-associated kinase 2 [Source:HGNC Symbol;Acc:6113]	-1.52	4.3E-16
ATP13A2	ENSG00000159363	ATPase type 13A2 [Source:HGNC Symbol;Acc:30213]	-1.62	4.3E-16
--	ENSG00000228363	--	-1.34	4.4E-16
CYB5R3	ENSG00000100243	cytochrome b5 reductase 3 [Source:HGNC Symbol;Acc:2873]	-1.33	4.5E-16
BCL2L1	ENSG00000171552	BCL2-like 1 [Source:HGNC Symbol;Acc:992]	-1.37	4.5E-16
B3GALT5	ENSG00000183778	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 5 [Source:HGNC Symbol;Acc:920]	-1.23	4.7E-16
KIAA1217	ENSG00000120549	KIAA1217 [Source:HGNC Symbol;Acc:25428]	-1.30	5.0E-16
KCNK5	ENSG00000164626	potassium channel, subfamily K, member 5 [Source:HGNC Symbol;Acc:6280]	-1.43	5.1E-16
S100A16	ENSG00000188643	S100 calcium binding protein A16 [Source:HGNC Symbol;Acc:20441]	-1.26	6.1E-16
DENND2C	ENSG00000175984	DENN/MADD domain containing 2C [Source:HGNC Symbol;Acc:24748]	-1.93	6.5E-16
ZFAND3	ENSG00000156639	zinc finger, AN1-type domain 3 [Source:HGNC Symbol;Acc:18019]	-1.00	7.4E-16
PNCK	ENSG00000130822	pregnancy up-regulated nonubiquitous CaM kinase [Source:HGNC Symbol;Acc:13415]	-1.69	7.5E-16
MGAT3	ENSG00000128268	mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase [Source:HGNC Symbol;Acc:7046]	-1.36	7.9E-16
SLC5A1	ENSG00000100170	solute carrier family 5 (sodium/glucose cotransporter), member 1 [Source:HGNC Symbol;Acc:11036]	-1.36	8.0E-16
NOS3	ENSG00000164867	nitric oxide synthase 3 (endothelial cell) [Source:HGNC Symbol;Acc:7876]	-1.74	8.3E-16
ZMIZ1	ENSG00000108175	zinc finger, MIZ-type containing 1 [Source:HGNC Symbol;Acc:16493]	-1.04	8.7E-16
SMIM6	ENSG00000259120	small integral membrane protein 6 [Source:HGNC Symbol;Acc:40032]	-1.86	8.8E-16
NPAS2	ENSG00000170485	neuronal PAS domain protein 2 [Source:HGNC Symbol;Acc:7895]	-1.00	8.8E-16
IL32	ENSG00000008517	interleukin 32 [Source:HGNC Symbol;Acc:16830]	-1.58	9.5E-16

ALPPL2	ENSG00000163286	alkaline phosphatase, placental-like 2 [Source:HGNC Symbol;Acc:441] family with sequence similarity 114, member A1 [Source:HGNC Symbol;Acc:25087]	-1.67	1.0E-15
FAM114A1	ENSG00000197712		-1.08	1.0E-15
PIAS1	ENSG00000033800	protein inhibitor of activated STAT, 1 [Source:HGNC Symbol;Acc:2752]	-1.25	1.0E-15
ALDOB	ENSG00000136872	aldolase B, fructose-bisphosphate [Source:HGNC Symbol;Acc:417]	-1.90	1.1E-15
ARHGEF35	ENSG00000213214	Rho guanine nucleotide exchange factor (GEF) 35 [Source:HGNC Symbol;Acc:33846]	-1.28	1.1E-15
CTSZ	ENSG00000101160	cathepsin Z [Source:HGNC Symbol;Acc:2547]	-1.14	1.2E-15
WIPF2	ENSG00000171475	WAS/WASL interacting protein family, member 2 [Source:HGNC Symbol;Acc:30923]	-0.99	1.2E-15
KLF6	ENSG00000067082	Kruppel-like factor 6 [Source:HGNC Symbol;Acc:2235]	-1.49	1.3E-15
CEACAM5	ENSG00000105388	carcinoembryonic antigen-related cell adhesion molecule 5 [Source:HGNC Symbol;Acc:1817]	-1.84	1.3E-15
OSBPL2	ENSG00000130703	oxysterol binding protein-like 2 [Source:HGNC Symbol;Acc:15761]	-0.86	1.3E-15
DBNL	ENSG00000136279	drebrin-like [Source:HGNC Symbol;Acc:2696]	-1.06	1.4E-15
GNA15	ENSG00000060558	guanine nucleotide binding protein (G protein), alpha 15 (Gq class) [Source:HGNC Symbol;Acc:4383]	-1.65	1.5E-15
CCNG2	ENSG00000138764	cyclin G2 [Source:HGNC Symbol;Acc:1593]	-1.95	1.5E-15
HLA-F	ENSG00000204642	major histocompatibility complex, class I, F [Source:HGNC Symbol;Acc:4963]	-1.57	1.5E-15
--	ENSG00000255811	--	-2.10	1.6E-15
EHD2	ENSG00000024422	EH-domain containing 2 [Source:HGNC Symbol;Acc:3243]	-1.42	1.6E-15
MTMR11	ENSG00000014914	myotubularin related protein 11 [Source:HGNC Symbol;Acc:24307]	-1.16	1.7E-15
TRPV3	ENSG00000167723	transient receptor potential cation channel, subfamily V, member 3 [Source:HGNC Symbol;Acc:18084]	-2.43	1.7E-15
PLAU	ENSG00000122861	plasminogen activator, urokinase [Source:HGNC Symbol;Acc:9052]	-2.17	1.8E-15
HLA-J	ENSG00000204622	major histocompatibility complex, class I, J (pseudogene) [Source:HGNC Symbol;Acc:4967]	-1.70	1.8E-15

TMEM120A	ENSG00000189077	transmembrane protein 120A [Source:HGNC Symbol;Acc:21697] long intergenic non-protein coding RNA 35 [Source:HGNC Symbol;Acc:18289]	-1.39	1.8E-15
LINC00035	ENSG00000225969		-2.44	1.9E-15
FABP1	ENSG00000163586	fatty acid binding protein 1, liver [Source:HGNC Symbol;Acc:3555]	-1.56	2.1E-15
KLF7	ENSG00000118263	Kruppel-like factor 7 (ubiquitous) [Source:HGNC Symbol;Acc:6350]	-1.13	2.2E-15
RIT1	ENSG00000143622	Ras-like without CAAX 1 [Source:HGNC Symbol;Acc:10023] sterile alpha motif domain containing 8 [Source:HGNC Symbol;Acc:26320]	-1.14	2.2E-15
SAMD8	ENSG00000156671		-1.32	2.5E-15
GSDMB	ENSG00000073605	gasdermin B [Source:HGNC Symbol;Acc:23690]	-1.00	2.5E-15
MYL12B	ENSG00000118680	myosin, light chain 12B, regulatory [Source:HGNC Symbol;Acc:29827]	-1.11	2.6E-15
IFNWP19	ENSG00000238271	interferon, omega 1 pseudogene 19 [Source:HGNC Symbol;Acc:5451] ATPase, H <sup>+</sup> transporting, lysosomal 31kDa, V1 subunit E1 [Source:HGNC Symbol;Acc:857]	-1.78	2.9E-15
ATP6V1E1	ENSG00000131100		-0.95	2.9E-15
--	ENSG00000267308	--	-1.41	2.9E-15
HMOX1	ENSG00000100292	heme oxygenase (decycling) 1 [Source:HGNC Symbol;Acc:5013] breast cancer anti-estrogen resistance 3 [Source:HGNC Symbol;Acc:973]	-1.54	3.0E-15
BCAR3	ENSG00000137936		-1.32	3.1E-15
ZBTB7B	ENSG00000160685	zinc finger and BTB domain containing 7B [Source:HGNC Symbol;Acc:18668]	-1.58	3.1E-15
SH3RF1	ENSG00000154447	SH3 domain containing ring finger 1 [Source:HGNC Symbol;Acc:17650]	-1.32	3.1E-15
KCNK6	ENSG00000099337	potassium channel, subfamily K, member 6 [Source:HGNC Symbol;Acc:6281]	-1.21	3.1E-15
SEMA3B	ENSG00000012171	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B [Source:HGNC Symbol;Acc:10724]	-2.05	3.5E-15
POU5F1	ENSG00000204531	POU class 5 homeobox 1 [Source:HGNC Symbol;Acc:9221] secretory leukocyte peptidase inhibitor [Source:HGNC Symbol;Acc:11092]	-1.47	3.8E-15
SLPI	ENSG00000124107		-1.52	3.9E-15
EVI2B	ENSG00000185862	ecotropic viral integration site 2B [Source:HGNC Symbol;Acc:3500]	-2.35	4.3E-15

KLK1	ENSG00000167748	kallikrein 1 [Source:HGNC Symbol;Acc:6357]	-1.08	4.3E-15
NMB	ENSG00000197696	neuromedin B [Source:HGNC Symbol;Acc:7842]	-1.41	4.4E-15
--	ENSG00000233271	--	-1.94	4.4E-15
HLA-B	ENSG00000234745	major histocompatibility complex, class I, B [Source:HGNC Symbol;Acc:4932]	-1.07	4.6E-15
RAB11FIP1	ENSG00000156675	RAB11 family interacting protein 1 (class I) [Source:HGNC Symbol;Acc:30265]	-1.01	5.0E-15
TMEM61	ENSG00000143001	transmembrane protein 61 [Source:HGNC Symbol;Acc:27296]	-1.84	5.2E-15
ARF6	ENSG00000165527	ADP-ribosylation factor 6 [Source:HGNC Symbol;Acc:659]	-0.91	5.2E-15
FXD3	ENSG00000089356	FXD domain containing ion transport regulator 3 [Source:HGNC Symbol;Acc:4027]	-1.33	5.3E-15
GPR78	ENSG00000155269	G protein-coupled receptor 78 [Source:HGNC Symbol;Acc:4528]	-3.13	5.5E-15
SERTAD2	ENSG00000179833	SERTA domain containing 2 [Source:HGNC Symbol;Acc:30784]	-1.37	5.9E-15
NDEL1	ENSG00000166579	nudE neurodevelopment protein 1-like 1 [Source:HGNC Symbol;Acc:17620]	-1.02	6.1E-15
C3orf52	ENSG00000114529	chromosome 3 open reading frame 52 [Source:HGNC Symbol;Acc:26255]	-1.09	6.2E-15
MMP14	ENSG00000157227	matrix metalloproteinase 14 (membrane-inserted) [Source:HGNC Symbol;Acc:7160]	-1.78	6.3E-15
PCDH1	ENSG00000156453	protocadherin 1 [Source:HGNC Symbol;Acc:8655]	-1.44	6.5E-15
RHOU	ENSG00000116574	ras homolog family member U [Source:HGNC Symbol;Acc:17794]	-1.40	6.6E-15
WFDC12	ENSG00000168703	WAP four-disulfide core domain 12 [Source:HGNC Symbol;Acc:16115]	-2.11	7.3E-15
LATS2	ENSG00000150457	large tumor suppressor kinase 2 [Source:HGNC Symbol;Acc:6515]	-1.44	7.6E-15
--	ENSG00000227053	--	-2.19	7.8E-15
DEFB1	ENSG00000164825	defensin, beta 1 [Source:HGNC Symbol;Acc:2766]	-1.59	9.3E-15
KCMF1	ENSG00000176407	potassium channel modulatory factor 1 [Source:HGNC Symbol;Acc:20589]	-0.97	9.4E-15
EPN2	ENSG00000072134	epsin 2 [Source:HGNC Symbol;Acc:18639]	-0.88	1.0E-14

CLTB	ENSG00000175416	clathrin, light chain B [Source:HGNC Symbol;Acc:2091]	-1.69	1.0E-14
TMEM50B	ENSG00000142188	transmembrane protein 50B [Source:HGNC Symbol;Acc:1280]	-0.97	1.0E-14
RBMS2	ENSG00000076067	RNA binding motif, single stranded interacting protein 2 [Source:HGNC Symbol;Acc:9909]	-1.50	1.1E-14
SESTD1	ENSG00000187231	SEC14 and spectrin domains 1 [Source:HGNC Symbol;Acc:18379]	-1.56	1.1E-14
SLC7A9	ENSG00000021488	solute carrier family 7 (amino acid transporter light chain, bo,+ system), member 9 [Source:HGNC Symbol;Acc:11067]	-1.79	1.1E-14
SERPINB9	ENSG00000170542	serpin peptidase inhibitor, clade B (ovalbumin), member 9 [Source:HGNC Symbol;Acc:8955]	-1.20	1.1E-14
EPHA2	ENSG00000142627	EPH receptor A2 [Source:HGNC Symbol;Acc:3386]	-1.88	1.1E-14
RREB1	ENSG00000124782	ras responsive element binding protein 1 [Source:HGNC Symbol;Acc:10449]	-0.95	1.2E-14
SLC51B	ENSG00000186198	solute carrier family 51, beta subunit [Source:HGNC Symbol;Acc:29956]	-1.77	1.2E-14
CACNA1C	ENSG00000151067	calcium channel, voltage-dependent, L type, alpha 1C subunit [Source:HGNC Symbol;Acc:1390]	-1.63	1.2E-14
SMAD7	ENSG00000101665	SMAD family member 7 [Source:HGNC Symbol;Acc:6773]	-1.28	1.2E-14
RNASEL	ENSG00000135828	ribonuclease L (2',5'-oligoadenylate synthetase-dependent) [Source:HGNC Symbol;Acc:10050]	-1.30	1.3E-14
P4HA2	ENSG00000072682	prolyl 4-hydroxylase, alpha polypeptide II [Source:HGNC Symbol;Acc:8547]	-0.98	1.4E-14
PLEKHG2	ENSG00000090924	pleckstrin homology domain containing, family G (with RhoGef domain) member 2 [Source:HGNC Symbol;Acc:29515]	-1.54	1.5E-14
TMEM106A	ENSG00000184988	transmembrane protein 106A [Source:HGNC Symbol;Acc:28288]	-1.54	1.6E-14
TPM4	ENSG00000167460	tropomyosin 4 [Source:HGNC Symbol;Acc:12013]	-1.22	1.6E-14
INPP1	ENSG00000151689	inositol polyphosphate-1-phosphatase [Source:HGNC Symbol;Acc:6071]	-0.89	1.6E-14
PROM2	ENSG00000155066	prominin 2 [Source:HGNC Symbol;Acc:20685]	-1.28	1.6E-14
--	ENSG00000263766	--	-1.06	1.7E-14

PPP2CB	ENSG00000104695	protein phosphatase 2, catalytic subunit, beta isozyme [Source:HGNC Symbol;Acc:9300]	-1.34	1.7E-14
TIPARP	ENSG00000163659	TCDD-inducible poly(ADP-ribose) polymerase [Source:HGNC Symbol;Acc:23696]	-1.49	1.8E-14
B2M	ENSG00000166710	beta-2-microglobulin [Source:HGNC Symbol;Acc:914]	-1.44	2.0E-14
CTNNA1	ENSG00000044115	catenin (cadherin-associated protein), alpha 1, 102kDa [Source:HGNC Symbol;Acc:2509]	-1.01	2.0E-14
WWC1	ENSG00000113645	WW and C2 domain containing 1 [Source:HGNC Symbol;Acc:29435]	-1.06	2.2E-14
EHBP1L1	ENSG00000173442	EH domain binding protein 1-like 1 [Source:HGNC Symbol;Acc:30682]	-1.52	2.2E-14
DNM2	ENSG00000079805	dynamin 2 [Source:HGNC Symbol;Acc:2974]	-1.29	2.2E-14
SLC20A1	ENSG00000144136	solute carrier family 20 (phosphate transporter), member 1 [Source:HGNC Symbol;Acc:10946]	-1.15	2.2E-14
ELF3	ENSG00000163435	E74-like factor 3 (ets domain transcription factor, epithelial-specific) [Source:HGNC Symbol;Acc:3318]	-1.25	2.3E-14
MTHFR	ENSG00000177000	methylenetetrahydrofolate reductase (NAD(P)H) [Source:HGNC Symbol;Acc:7436]	-1.44	2.3E-14
AIM1L	ENSG00000176092	absent in melanoma 1-like [Source:HGNC Symbol;Acc:17295]	-1.78	2.6E-14
OXSRI	ENSG00000172939	oxidative stress responsive 1 [Source:HGNC Symbol;Acc:8508]	-1.02	2.6E-14
KLK8	ENSG00000129455	kallikrein-related peptidase 8 [Source:HGNC Symbol;Acc:6369]	-1.73	2.6E-14
C12orf36	ENSG00000180861	chromosome 12 open reading frame 36 [Source:HGNC Symbol;Acc:26598]	-1.37	2.7E-14
BARX2	ENSG00000043039	BARX homeobox 2 [Source:HGNC Symbol;Acc:956]	-1.02	2.8E-14
EHD4	ENSG00000103966	EH-domain containing 4 [Source:HGNC Symbol;Acc:3245]	-1.06	2.9E-14
KIAA1161	ENSG00000164976	KIAA1161 [Source:HGNC Symbol;Acc:19918]	-1.21	3.0E-14
GRAMD3	ENSG00000155324	GRAM domain containing 3 [Source:HGNC Symbol;Acc:24911]	-1.26	3.1E-14
MPPE1	ENSG00000154889	metallophosphoesterase 1 [Source:HGNC Symbol;Acc:15988]	-1.05	3.2E-14
MIR31HG	ENSG00000171889	MIR31 host gene (non-protein coding) [Source:HGNC Symbol;Acc:37187]	-1.73	3.2E-14
TEP1	ENSG00000129566	telomerase-associated protein 1 [Source:HGNC Symbol;Acc:11726]	-0.93	3.3E-14

KIAA1522	ENSG00000162522	KIAA1522 [Source:HGNC Symbol;Acc:29301]	-1.11	3.3E-14
MTMR3	ENSG00000100330	myotubularin related protein 3 [Source:HGNC Symbol;Acc:7451]	-1.10	3.4E-14
TMEM164	ENSG00000157600	transmembrane protein 164 [Source:HGNC Symbol;Acc:26217]	-1.05	3.5E-14
DST	ENSG00000151914	dystonin [Source:HGNC Symbol;Acc:1090]	-1.54	3.5E-14
PLCXD1	ENSG00000182378	phosphatidylinositol-specific phospholipase C, X domain containing 1 [Source:HGNC Symbol;Acc:23148]	-1.49	3.5E-14
RRAS	ENSG00000126458	related RAS viral (r-ras) oncogene homolog [Source:HGNC Symbol;Acc:10447]	-1.62	3.7E-14
STAP2	ENSG00000178078	signal transducing adaptor family member 2 [Source:HGNC Symbol;Acc:30430]	-1.28	3.8E-14
ITPKC	ENSG00000086544	inositol-trisphosphate 3-kinase C [Source:HGNC Symbol;Acc:14897]	-1.63	3.8E-14
PLEC	ENSG00000178209	plectin [Source:HGNC Symbol;Acc:9069]	-2.05	4.1E-14
PLXNB2	ENSG00000196576	plexin B2 [Source:HGNC Symbol;Acc:9104]	-1.44	4.1E-14
ARL8A	ENSG00000143862	ADP-ribosylation factor-like 8A [Source:HGNC Symbol;Acc:25192]	-1.21	4.4E-14
TPM1	ENSG00000140416	tropomyosin 1 (alpha) [Source:HGNC Symbol;Acc:12010]	-1.17	4.5E-14
UPK2	ENSG00000110375	uroplakin 2 [Source:HGNC Symbol;Acc:12579]	-1.91	4.5E-14
B4GALT4	ENSG00000121578	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 4 [Source:HGNC Symbol;Acc:927]	-1.07	4.6E-14
SAT1	ENSG00000130066	spermidine/spermine N1-acetyltransferase 1 [Source:HGNC Symbol;Acc:10540]	-1.12	4.6E-14
CDC42BPA	ENSG00000143776	CDC42 binding protein kinase alpha (DMPK-like) [Source:HGNC Symbol;Acc:1737]	-1.18	4.8E-14
RIOK3	ENSG00000101782	RIO kinase 3 [Source:HGNC Symbol;Acc:11451]	-1.59	5.1E-14
TMEM171	ENSG00000157111	transmembrane protein 171 [Source:HGNC Symbol;Acc:27031]	-1.24	5.1E-14
ANKLE2	ENSG00000176915	ankyrin repeat and LEM domain containing 2 [Source:HGNC Symbol;Acc:29101]	-0.99	5.2E-14
NAALADL1	ENSG00000168060	N-acetylated alpha-linked acidic dipeptidase-like 1 [Source:HGNC Symbol;Acc:23536]	-1.71	5.3E-14
--	ENSG00000230234	--	-1.40	5.5E-14

RNF24	ENSG00000101236	ring finger protein 24 [Source:HGNC Symbol;Acc:13779]	-1.02	5.5E-14
--	ENSG00000258689	--	-2.07	5.6E-14
BCL10	ENSG00000142867	B-cell CLL/lymphoma 10 [Source:HGNC Symbol;Acc:989]	-1.37	5.7E-14
RHBDF1	ENSG00000007384	rhomboid 5 homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:20561]	-1.49	5.7E-14
FOXO3	ENSG00000118689	forkhead box O3 [Source:HGNC Symbol;Acc:3821]	-1.11	5.8E-14
CAPZB	ENSG00000077549	capping protein (actin filament) muscle Z-line, beta [Source:HGNC Symbol;Acc:1491]	-0.75	5.8E-14
PTPN21	ENSG00000070778	protein tyrosine phosphatase, non-receptor type 21 [Source:HGNC Symbol;Acc:9651]	-1.20	5.9E-14
ITGB4	ENSG00000132470	integrin, beta 4 [Source:HGNC Symbol;Acc:6158]	-1.51	6.0E-14
EPAS1	ENSG00000116016	endothelial PAS domain protein 1 [Source:HGNC Symbol;Acc:3374]	-1.21	6.7E-14
SH3BGR3	ENSG00000142669	SH3 domain binding glutamic acid-rich protein like 3 [Source:HGNC Symbol;Acc:15568]	-1.55	7.2E-14
ITSN1	ENSG00000205726	intersectin 1 (SH3 domain protein) [Source:HGNC Symbol;Acc:6183]	-1.09	7.3E-14
MAPK7	ENSG00000166484	mitogen-activated protein kinase 7 [Source:HGNC Symbol;Acc:6880]	-1.63	7.3E-14
BTN2A1	ENSG00000112763	butyrophilin, subfamily 2, member A1 [Source:HGNC Symbol;Acc:1136]	-1.04	7.5E-14
ACVRL1	ENSG00000139567	activin A receptor type II-like 1 [Source:HGNC Symbol;Acc:175]	-1.23	7.5E-14
SNX33	ENSG00000173548	sorting nexin 33 [Source:HGNC Symbol;Acc:28468]	-1.11	7.8E-14
TMCO4	ENSG00000162542	transmembrane and coiled-coil domains 4 [Source:HGNC Symbol;Acc:27393]	-1.42	8.0E-14
EGFR	ENSG00000146648	epidermal growth factor receptor [Source:HGNC Symbol;Acc:3236]	-1.25	8.1E-14
CCDC92	ENSG00000119242	coiled-coil domain containing 92 [Source:HGNC Symbol;Acc:29563]	-1.22	9.2E-14
SEMA4B	ENSG00000185033	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B [Source:HGNC Symbol;Acc:10730]	-1.50	9.2E-14
IL10RB-AS1	ENSG00000223799	IL10RB antisense RNA 1 (head to head) [Source:HGNC Symbol;Acc:44303]	-1.10	9.6E-14



BCL3	ENSG00000069399	B-cell CLL/lymphoma 3 [Source:HGNC Symbol;Acc:998]	-1.78	9.6E-14
FURIN	ENSG00000140564	furin (paired basic amino acid cleaving enzyme) [Source:HGNC Symbol;Acc:8568]	-1.33	9.8E-14
TMEM150B	ENSG00000180061	transmembrane protein 150B [Source:HGNC Symbol;Acc:34415]	-1.72	9.8E-14
GCKR	ENSG00000084734	glucokinase (hexokinase 4) regulator [Source:HGNC Symbol;Acc:4196]	-1.93	1.0E-13
RHOG	ENSG00000177105	ras homolog family member G [Source:HGNC Symbol;Acc:672]	-1.49	1.1E-13
ARHGEF5	ENSG00000050327	Rho guanine nucleotide exchange factor (GEF) 5 [Source:HGNC Symbol;Acc:13209]	-1.26	1.1E-13
TRIM69	ENSG00000185880	tripartite motif containing 69 [Source:HGNC Symbol;Acc:17857]	-1.23	1.1E-13
GJB5	ENSG00000189280	gap junction protein, beta 5, 31.1kDa [Source:HGNC Symbol;Acc:4287]	-1.11	1.1E-13
TNKS1BP1	ENSG00000149115	tankyrase 1 binding protein 1, 182kDa [Source:HGNC Symbol;Acc:19081]	-1.27	1.2E-13
TYMP	ENSG00000025708	thymidine phosphorylase [Source:HGNC Symbol;Acc:3148]	-1.91	1.2E-13
ACTN4	ENSG00000130402	actinin, alpha 4 [Source:HGNC Symbol;Acc:166]	-1.17	1.2E-13
NFKBIZ	ENSG00000144802	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta [Source:HGNC Symbol;Acc:29805]	-1.47	1.2E-13
TBX3	ENSG00000135111	T-box 3 [Source:HGNC Symbol;Acc:11602]	-1.46	1.3E-13
TICAM1	ENSG00000127666	toll-like receptor adaptor molecule 1 [Source:HGNC Symbol;Acc:18348]	-1.82	1.3E-13
FLII	ENSG00000177731	flightless I homolog (Drosophila) [Source:HGNC Symbol;Acc:3750]	-1.20	1.3E-13
RASA4CP	ENSG00000228903	RAS p21 protein activator 4C, pseudogene [Source:HGNC Symbol;Acc:44185]	-1.43	1.3E-13
ALPI	ENSG00000163295	alkaline phosphatase, intestinal [Source:HGNC Symbol;Acc:437]	-1.90	1.3E-13
--	ENSG00000268906	--	-2.15	1.5E-13
PRSS8	ENSG00000052344	protease, serine, 8 [Source:HGNC Symbol;Acc:9491]	-1.58	1.5E-13
SQRDL	ENSG00000137767	sulfide quinone reductase-like (yeast) [Source:HGNC Symbol;Acc:20390]	-0.81	1.5E-13

CAP1	ENSG00000131236	CAP, adenylate cyclase-associated protein 1 (yeast) [Source:HGNC Symbol;Acc:20040]	-1.28	1.5E-13
IL4R	ENSG00000077238	interleukin 4 receptor [Source:HGNC Symbol;Acc:6015]	-1.34	1.5E-13
USP18	ENSG00000184979	ubiquitin specific peptidase 18 [Source:HGNC Symbol;Acc:12616]	-1.24	1.6E-13
CHMP4B	ENSG00000101421	charged multivesicular body protein 4B [Source:HGNC Symbol;Acc:16171]	-0.90	1.7E-13
SLC44A2	ENSG00000129353	solute carrier family 44 (choline transporter), member 2 [Source:HGNC Symbol;Acc:17292]	-1.02	1.8E-13
C1orf177	ENSG00000162398	chromosome 1 open reading frame 177 [Source:HGNC Symbol;Acc:26854]	-2.63	1.9E-13
KIFC3	ENSG00000140859	kinesin family member C3 [Source:HGNC Symbol;Acc:6326]	-1.81	2.0E-13
CACNB3	ENSG00000167535	calcium channel, voltage-dependent, beta 3 subunit [Source:HGNC Symbol;Acc:1403]	-1.28	2.0E-13
EPCAM	ENSG00000119888	epithelial cell adhesion molecule [Source:HGNC Symbol;Acc:11529]	-1.20	2.0E-13
ADM	ENSG00000148926	adrenomedullin [Source:HGNC Symbol;Acc:259]	-1.66	2.1E-13
SSPN	ENSG00000123096	sarcospan [Source:HGNC Symbol;Acc:11322]	-1.81	2.2E-13
RAPGEF2	ENSG00000109756	Rap guanine nucleotide exchange factor (GEF) 2 [Source:HGNC Symbol;Acc:16854]	-1.25	2.3E-13
NR5A2	ENSG00000116833	nuclear receptor subfamily 5, group A, member 2 [Source:HGNC Symbol;Acc:7984]	-1.50	2.3E-13
GJB3	ENSG00000188910	gap junction protein, beta 3, 31kDa [Source:HGNC Symbol;Acc:4285]	-1.35	2.3E-13
CES2	ENSG00000172831	carboxylesterase 2 [Source:HGNC Symbol;Acc:1864]	-1.10	2.4E-13
CDRT1	ENSG00000241322	CMT1A duplicated region transcript 1 [Source:HGNC Symbol;Acc:14379]	-1.98	2.4E-13
CTSS	ENSG00000163131	cathepsin S [Source:HGNC Symbol;Acc:2545]	-1.13	2.4E-13
MPRIIP	ENSG00000133030	myosin phosphatase Rho interacting protein [Source:HGNC Symbol;Acc:30321]	-1.37	2.5E-13
TTC7A	ENSG00000068724	tetratricopeptide repeat domain 7A [Source:HGNC Symbol;Acc:19750]	-1.19	2.5E-13

FGFBP1	ENSG00000137440	fibroblast growth factor binding protein 1 [Source:HGNC Symbol;Acc:19695]	-1.59	2.5E-13
XKR9	ENSG00000221947	XK, Kell blood group complex subunit-related family, member 9 [Source:HGNC Symbol;Acc:20937]	-1.79	2.5E-13
PICALM	ENSG00000073921	phosphatidylinositol binding clathrin assembly protein [Source:HGNC Symbol;Acc:15514]	-1.29	2.6E-13
ZDHHC13	ENSG00000177054	zinc finger, DHHC-type containing 13 [Source:HGNC Symbol;Acc:18413]	-1.25	2.7E-13
ST8SIA6	ENSG00000148488	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 6 [Source:HGNC Symbol;Acc:23317]	-1.60	2.8E-13
EHD1	ENSG00000110047	EH-domain containing 1 [Source:HGNC Symbol;Acc:3242]	-1.57	2.8E-13
ADM2	ENSG00000128165	adrenomedullin 2 [Source:HGNC Symbol;Acc:28898]	-1.82	3.0E-13
RNF152	ENSG00000176641	ring finger protein 152 [Source:HGNC Symbol;Acc:26811]	-3.23	3.0E-13
PDLIM2	ENSG00000120913	PDZ and LIM domain 2 (mystique) [Source:HGNC Symbol;Acc:13992]	-1.61	3.0E-13
TFE3	ENSG00000068323	transcription factor binding to IGHM enhancer 3 [Source:HGNC Symbol;Acc:11752]	-1.18	3.1E-13
SPATS2L	ENSG00000196141	spermatogenesis associated, serine-rich 2-like [Source:HGNC Symbol;Acc:24574]	-1.02	3.1E-13
IST1	ENSG00000182149	increased sodium tolerance 1 homolog (yeast) [Source:HGNC Symbol;Acc:28977]	-0.77	3.1E-13
CPNE2	ENSG00000140848	copine II [Source:HGNC Symbol;Acc:2315]	-0.96	3.2E-13
TMSB4X	ENSG00000205542	thymosin beta 4, X-linked [Source:HGNC Symbol;Acc:11881]	-0.99	3.2E-13
SULT1A2	ENSG00000197165	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 2 [Source:HGNC Symbol;Acc:11454]	-1.74	3.2E-13
PVRL2	ENSG00000130202	poliovirus receptor-related 2 (herpesvirus entry mediator B) [Source:HGNC Symbol;Acc:9707]	-1.33	3.3E-13
CXorf38	ENSG00000185753	chromosome X open reading frame 38 [Source:HGNC Symbol;Acc:28589]	-1.12	3.3E-13
HNF4A	ENSG00000101076	hepatocyte nuclear factor 4, alpha [Source:HGNC Symbol;Acc:5024]	-0.88	3.6E-13

COL6A1	ENSG00000142156	collagen, type VI, alpha 1 [Source:HGNC Symbol;Acc:2211]	-1.57	3.7E-13
PLCD3	ENSG00000161714	phospholipase C, delta 3 [Source:HGNC Symbol;Acc:9061]	-1.37	3.9E-13
EFNA1	ENSG00000169242	ephrin-A1 [Source:HGNC Symbol;Acc:3221]	-1.35	4.1E-13
RHOD	ENSG00000173156	ras homolog family member D [Source:HGNC Symbol;Acc:670]	-1.86	4.3E-13
S100A6	ENSG00000197956	S100 calcium binding protein A6 [Source:HGNC Symbol;Acc:10496]	-1.27	4.4E-13
TMEM63B	ENSG00000137216	transmembrane protein 63B [Source:HGNC Symbol;Acc:17735]	-1.27	4.5E-13
DIRC2	ENSG00000138463	disrupted in renal carcinoma 2 [Source:HGNC Symbol;Acc:16628]	-1.25	4.8E-13
MMP15	ENSG00000102996	matrix metalloproteinase 15 (membrane-inserted) [Source:HGNC Symbol;Acc:7161]	-1.49	4.9E-13
B3GAT2	ENSG00000112309	beta-1,3-glucuronyltransferase 2 (glucuronosyltransferase S) [Source:HGNC Symbol;Acc:922]	-1.03	5.0E-13
DOCK5	ENSG00000147459	dedicator of cytokinesis 5 [Source:HGNC Symbol;Acc:23476]	-1.25	5.1E-13
EXOC6B	ENSG00000144036	exocyst complex component 6B [Source:HGNC Symbol;Acc:17085]	-1.37	5.2E-13
C10orf10	ENSG00000165507	chromosome 10 open reading frame 10 [Source:HGNC Symbol;Acc:23355]	-1.52	5.2E-13
--	ENSG00000269295	Tight junction protein 2 (Zona occludens 2) isoform 1 variant; Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:Q59F31]	-0.88	5.7E-13
ABCG2	ENSG00000118777	ATP-binding cassette, sub-family G (WHITE), member 2 [Source:HGNC Symbol;Acc:74]	-1.94	5.8E-13
--	ENSG00000262112	--	-1.40	5.8E-13
CBLC	ENSG00000142273	Cbl proto-oncogene C, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:15961]	-1.44	6.0E-13
ABCB11	ENSG00000073734	ATP-binding cassette, sub-family B (MDR/TAP), member 11 [Source:HGNC Symbol;Acc:42]	-2.11	6.1E-13
SMPDL3A	ENSG00000172594	sphingomyelin phosphodiesterase, acid-like 3A [Source:HGNC Symbol;Acc:17389]	-1.97	6.6E-13
GPT	ENSG00000167701	glutamic-pyruvate transaminase (alanine aminotransferase) [Source:HGNC Symbol;Acc:4552]	-2.19	6.8E-13

RALGPS2	ENSG00000116191	Ral GEF with PH domain and SH3 binding motif 2 [Source:HGNC Symbol;Acc:30279]	-1.38	7.1E-13
ARFGAP3	ENSG00000242247	ADP-ribosylation factor GTPase activating protein 3 [Source:HGNC Symbol;Acc:661]	-1.17	7.4E-13
WDR1	ENSG00000071127	WD repeat domain 1 [Source:HGNC Symbol;Acc:12754]	-1.01	7.4E-13
CALB1	ENSG00000104327	calbindin 1, 28kDa [Source:HGNC Symbol;Acc:1434]	-1.33	7.5E-13
MICAL1	ENSG00000135596	microtubule associated monooxygenase, calponin and LIM domain containing 1 [Source:HGNC Symbol;Acc:20619]	-1.50	7.7E-13
BDKRB2	ENSG00000168398	bradykinin receptor B2 [Source:HGNC Symbol;Acc:1030]	-1.47	8.0E-13
EXOC3L4	ENSG00000205436	exocyst complex component 3-like 4 [Source:HGNC Symbol;Acc:20120]	-1.82	8.1E-13
PCED1B	ENSG00000179715	PC-esterase domain containing 1B [Source:HGNC Symbol;Acc:28255]	-1.34	8.3E-13
DUSP6	ENSG00000139318	dual specificity phosphatase 6 [Source:HGNC Symbol;Acc:3072]	-1.13	8.3E-13
CXCL3	ENSG00000163734	chemokine (C-X-C motif) ligand 3 [Source:HGNC Symbol;Acc:4604]	-1.27	8.4E-13
TM6SF2	ENSG00000213996	transmembrane 6 superfamily member 2 [Source:HGNC Symbol;Acc:11861]	-2.95	8.5E-13
NR3C2	ENSG00000151623	nuclear receptor subfamily 3, group C, member 2 [Source:HGNC Symbol;Acc:7979]	-1.68	9.6E-13
KCTD21	ENSG00000188997	potassium channel tetramerization domain containing 21 [Source:HGNC Symbol;Acc:27452]	-1.09	9.6E-13
VTCN1	ENSG00000134258	V-set domain containing T cell activation inhibitor 1 [Source:HGNC Symbol;Acc:28873]	-1.27	9.9E-13
RAB25	ENSG00000132698	RAB25, member RAS oncogene family [Source:HGNC Symbol;Acc:18238]	-0.95	1.0E-12
ZDHHC5	ENSG00000156599	zinc finger, DHHC-type containing 5 [Source:HGNC Symbol;Acc:18472]	-0.82	1.0E-12
ABCC3	ENSG00000108846	ATP-binding cassette, sub-family C (CFTR/MRP), member 3 [Source:HGNC Symbol;Acc:54]	-1.00	1.0E-12

CYSTM1	ENSG00000120306	cysteine-rich transmembrane module containing 1 [Source:HGNC Symbol;Acc:30239]	-1.10	1.0E-12
CYTH2	ENSG00000105443	cytohesin 2 [Source:HGNC Symbol;Acc:9502]	-1.28	1.1E-12
C17orf67	ENSG00000214226	chromosome 17 open reading frame 67 [Source:HGNC Symbol;Acc:27900]	-1.67	1.1E-12
CHFR	ENSG00000072609	checkpoint with forkhead and ring finger domains, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:20455]	-1.06	1.1E-12
--	ENSG00000261465	--	-1.28	1.1E-12
--	ENSG00000236039	--	-1.70	1.1E-12
C3	ENSG00000125730	complement component 3 [Source:HGNC Symbol;Acc:1318]	-1.44	1.1E-12
ARSA	ENSG00000100299	arylsulfatase A [Source:HGNC Symbol;Acc:713]	-1.46	1.1E-12
GDI1	ENSG00000203879	GDP dissociation inhibitor 1 [Source:HGNC Symbol;Acc:4226]	-1.20	1.1E-12
FRMD3	ENSG00000172159	FERM domain containing 3 [Source:HGNC Symbol;Acc:24125]	-1.99	1.1E-12
NDRG4	ENSG00000103034	NDRG family member 4 [Source:HGNC Symbol;Acc:14466]	-1.53	1.1E-12
MIER3	ENSG00000155545	mesoderm induction early response 1, family member 3 [Source:HGNC Symbol;Acc:26678]	-1.50	1.3E-12
CYP4F12	ENSG00000186204	cytochrome P450, family 4, subfamily F, polypeptide 12 [Source:HGNC Symbol;Acc:18857]	-1.62	1.3E-12
RRBP1	ENSG00000125844	ribosome binding protein 1 [Source:HGNC Symbol;Acc:10448]	-1.14	1.3E-12
CXCL2	ENSG00000081041	chemokine (C-X-C motif) ligand 2 [Source:HGNC Symbol;Acc:4603]	-1.42	1.4E-12
SYT7	ENSG00000011347	synaptotagmin VII [Source:HGNC Symbol;Acc:11514]	-1.10	1.5E-12
NMRK1	ENSG00000106733	nicotinamide riboside kinase 1 [Source:HGNC Symbol;Acc:26057]	-1.07	1.5E-12
F3	ENSG00000117525	coagulation factor III (thromboplastin, tissue factor) [Source:HGNC Symbol;Acc:3541]	-1.36	1.5E-12
RNF19A	ENSG00000034677	ring finger protein 19A, RBR E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:13432]	-1.16	1.6E-12
--	ENSG00000242687	--	-1.34	1.6E-12
--	ENSG00000260877	--	-1.58	1.7E-12

BATF2	ENSG00000168062	basic leucine zipper transcription factor, ATF-like 2 [Source:HGNC Symbol;Acc:25163]	-1.20	1.7E-12
CFLAR-AS1	ENSG00000226312	CFLAR antisense RNA 1 [Source:HGNC Symbol;Acc:14437]	-1.43	1.8E-12
CMAS	ENSG00000111726	cytidine monophosphate N-acetylneuraminic acid synthetase [Source:HGNC Symbol;Acc:18290]	-1.17	1.8E-12
KCTD10	ENSG00000110906	potassium channel tetramerization domain containing 10 [Source:HGNC Symbol;Acc:23236]	-0.94	1.9E-12
PLEKHM1	ENSG00000225190	pleckstrin homology domain containing, family M (with RUN domain) member 1 [Source:HGNC Symbol;Acc:29017]	-1.31	1.9E-12
ANKRD13A	ENSG00000076513	ankyrin repeat domain 13A [Source:HGNC Symbol;Acc:21268]	-1.03	1.9E-12
CLIC1	ENSG00000213719	chloride intracellular channel 1 [Source:HGNC Symbol;Acc:2062]	-0.85	2.0E-12
FGD6	ENSG00000180263	FYVE, RhoGEF and PH domain containing 6 [Source:HGNC Symbol;Acc:21740]	-1.46	2.0E-12
PITPNM1	ENSG00000110697	phosphatidylinositol transfer protein, membrane-associated 1 [Source:HGNC Symbol;Acc:9003]	-1.57	2.0E-12
CYP2B7P	ENSG00000256612	cytochrome P450, family 2, subfamily B, polypeptide 7, pseudogene [Source:HGNC Symbol;Acc:2616]	-2.25	2.1E-12
PDC	ENSG00000116703	phosducin [Source:HGNC Symbol;Acc:8759]	-1.73	2.1E-12
TP53BP2	ENSG00000143514	tumor protein p53 binding protein, 2 [Source:HGNC Symbol;Acc:12000]	-0.84	2.1E-12
C15orf48	ENSG00000166920	chromosome 15 open reading frame 48 [Source:HGNC Symbol;Acc:29898]	-1.05	2.2E-12
CORO1A	ENSG00000102879	coronin, actin binding protein, 1A [Source:HGNC Symbol;Acc:2252]	-1.62	2.3E-12
PIP4K2A	ENSG00000150867	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha [Source:HGNC Symbol;Acc:8997]	-1.14	2.3E-12
SIRPA	ENSG00000198053	signal-regulatory protein alpha [Source:HGNC Symbol;Acc:9662]	-1.05	2.4E-12
TMPRSS4	ENSG00000137648	transmembrane protease, serine 4 [Source:HGNC Symbol;Acc:11878]	-0.98	2.5E-12
--	ENSG00000244383	--	-1.45	2.5E-12

PNPLA1	ENSG00000180316	patatin-like phospholipase domain containing 1 [Source:HGNC Symbol;Acc:21246]	-1.64	2.5E-12
NFE2L1	ENSG00000082641	nuclear factor, erythroid 2-like 1 [Source:HGNC Symbol;Acc:7781]	-0.99	2.5E-12
PLK3	ENSG00000173846	polo-like kinase 3 [Source:HGNC Symbol;Acc:2154]	-1.66	2.8E-12
ITGB6	ENSG00000115221	integrin, beta 6 [Source:HGNC Symbol;Acc:6161]	-1.62	2.9E-12
SLC9A1	ENSG00000090020	solute carrier family 9, subfamily A (NHE1, cation proton antiporter 1), member 1 [Source:HGNC Symbol;Acc:11071]	-1.30	2.9E-12
B3GNT5	ENSG00000176597	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5 [Source:HGNC Symbol;Acc:15684]	-1.44	3.1E-12
VSIG2	ENSG00000019102	V-set and immunoglobulin domain containing 2 [Source:HGNC Symbol;Acc:17149]	-1.32	3.1E-12
VSIG1	ENSG00000101842	V-set and immunoglobulin domain containing 1 [Source:HGNC Symbol;Acc:28675]	-2.11	3.2E-12
FAM211B	ENSG00000178026	family with sequence similarity 211, member B [Source:HGNC Symbol;Acc:33155]	-1.76	3.2E-12
TNF	ENSG00000232810	tumor necrosis factor [Source:HGNC Symbol;Acc:11892]	-2.04	3.2E-12
TFG	ENSG00000114354	TRK-fused gene [Source:HGNC Symbol;Acc:11758]	-0.83	3.3E-12
CAMK2G	ENSG00000148660	calcium/calmodulin-dependent protein kinase II gamma [Source:HGNC Symbol;Acc:1463]	-0.98	3.3E-12
GPR115	ENSG00000153294	G protein-coupled receptor 115 [Source:HGNC Symbol;Acc:19011]	-1.46	3.5E-12
CAMK2N1	ENSG00000162545	calcium/calmodulin-dependent protein kinase II inhibitor 1 [Source:HGNC Symbol;Acc:24190]	-1.32	3.6E-12
SLC25A37	ENSG00000147454	solute carrier family 25 (mitochondrial iron transporter), member 37 [Source:HGNC Symbol;Acc:29786]	-0.97	3.6E-12
TRIB1	ENSG00000173334	tribbles pseudokinase 1 [Source:HGNC Symbol;Acc:16891]	-0.97	3.6E-12
BTBD10	ENSG00000148925	BTB (POZ) domain containing 10 [Source:HGNC Symbol;Acc:21445]	-1.05	3.7E-12
--	ENSG00000265784	--	-1.08	3.8E-12
CDC42EP2	ENSG00000149798	CDC42 effector protein (Rho GTPase binding) 2 [Source:HGNC Symbol;Acc:16263]	-1.62	3.8E-12



MYL6	ENSG00000092841	myosin, light chain 6, alkali, smooth muscle and non-muscle [Source:HGNC Symbol;Acc:7587]	-0.90	3.9E-12
PIK3C2B	ENSG00000133056	phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2 beta [Source:HGNC Symbol;Acc:8972]	-0.85	4.0E-12
ARPC1A	ENSG00000241685	actin related protein 2/3 complex, subunit 1A, 41kDa [Source:HGNC Symbol;Acc:703]	-0.78	4.2E-12
DUSP10	ENSG00000143507	dual specificity phosphatase 10 [Source:HGNC Symbol;Acc:3065]	-1.12	4.3E-12
BCL9L	ENSG00000186174	B-cell CLL/lymphoma 9-like [Source:HGNC Symbol;Acc:23688]	-1.38	4.4E-12
CARS	ENSG00000110619	cysteinyl-tRNA synthetase [Source:HGNC Symbol;Acc:1493]	-0.82	4.4E-12
IGSF3	ENSG00000143061	immunoglobulin superfamily, member 3 [Source:HGNC Symbol;Acc:5950]	-1.06	4.4E-12
ARHGAP17	ENSG00000140750	Rho GTPase activating protein 17 [Source:HGNC Symbol;Acc:18239]	-1.31	4.4E-12
BAIAP2L2	ENSG00000128298	BAI1-associated protein 2-like 2 [Source:HGNC Symbol;Acc:26203]	-1.87	4.4E-12
RASD2	ENSG00000100302	RASD family, member 2 [Source:HGNC Symbol;Acc:18229]	-2.00	4.5E-12
NCSTN	ENSG00000162736	nicastrin [Source:HGNC Symbol;Acc:17091]	-0.84	4.6E-12
RAP2C	ENSG00000123728	RAP2C, member of RAS oncogene family [Source:HGNC Symbol;Acc:21165]	-1.40	4.8E-12
AXDND1	ENSG00000162779	axonemal dynein light chain domain containing 1 [Source:HGNC Symbol;Acc:26564]	-1.35	5.2E-12
KHNYN	ENSG00000100441	KH and NYN domain containing [Source:HGNC Symbol;Acc:20166]	-0.81	5.2E-12
CNKSR2	ENSG00000149970	connector enhancer of kinase suppressor of Ras 2 [Source:HGNC Symbol;Acc:19701]	-1.98	5.3E-12
RAB3B	ENSG00000169213	RAB3B, member RAS oncogene family [Source:HGNC Symbol;Acc:9778]	-1.42	5.3E-12
STRIP2	ENSG00000128578	striatin interacting protein 2 [Source:HGNC Symbol;Acc:22209]	-1.21	5.5E-12
PIP4K2C	ENSG00000166908	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma [Source:HGNC Symbol;Acc:23786]	-1.04	5.6E-12
SRD5A3-AS1	ENSG00000249700	SRD5A3 antisense RNA 1 [Source:HGNC Symbol;Acc:44138]	-1.76	5.9E-12
--	ENSG00000272114	--	-1.38	6.2E-12

PDZD3	ENSG00000172367	PDZ domain containing 3 [Source:HGNC Symbol;Acc:19891]	-1.55	6.6E-12
RAPGEFL1	ENSG00000108352	Rap guanine nucleotide exchange factor (GEF)-like 1 [Source:HGNC Symbol;Acc:17428]	-1.24	6.7E-12
--	ENSG00000205890	--	-1.39	6.9E-12
FAM63A	ENSG00000143409	family with sequence similarity 63, member A [Source:HGNC Symbol;Acc:25648]	-1.32	7.0E-12
HPS5	ENSG00000110756	Hermansky-Pudlak syndrome 5 [Source:HGNC Symbol;Acc:17022]	-1.01	7.0E-12
--	ENSG00000267987	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R1V0]	-1.87	7.2E-12
HGSNAT	ENSG00000165102	heparan-alpha-glucosaminide N-acetyltransferase [Source:HGNC Symbol;Acc:26527]	-0.90	7.3E-12
TMEM54	ENSG00000121900	transmembrane protein 54 [Source:HGNC Symbol;Acc:24143]	-1.47	7.3E-12
CNKSR1	ENSG00000142675	connector enhancer of kinase suppressor of Ras 1 [Source:HGNC Symbol;Acc:19700]	-1.54	7.4E-12
LAD1	ENSG00000159166	ladinin 1 [Source:HGNC Symbol;Acc:6472]	-1.00	7.4E-12
APOBEC1	ENSG00000111701	apolipoprotein B mRNA editing enzyme, catalytic polypeptide 1 [Source:HGNC Symbol;Acc:604]	-1.44	7.5E-12
AREG	ENSG00000109321	amphiregulin [Source:HGNC Symbol;Acc:651]	-2.01	7.6E-12
MYO1D	ENSG00000176658	myosin ID [Source:HGNC Symbol;Acc:7598]	-0.80	7.8E-12
RALB	ENSG00000144118	v-ral simian leukemia viral oncogene homolog B [Source:HGNC Symbol;Acc:9840]	-1.18	7.9E-12
HS3ST1	ENSG00000002587	heparan sulfate (glucosamine) 3-O-sulfotransferase 1 [Source:HGNC Symbol;Acc:5194]	-1.26	7.9E-12
OAS3	ENSG00000111331	2'-5'-oligoadenylate synthetase 3, 100kDa [Source:HGNC Symbol;Acc:8088]	-1.08	8.4E-12
ESYT2	ENSG00000117868	extended synaptotagmin-like protein 2 [Source:HGNC Symbol;Acc:22211]	-0.93	8.6E-12
KDM4B	ENSG00000127663	lysine (K)-specific demethylase 4B [Source:HGNC Symbol;Acc:29136]	-1.18	8.8E-12
OGDH	ENSG00000105953	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide) [Source:HGNC Symbol;Acc:8124]	-1.12	8.9E-12

IFNLR1	ENSG00000185436	interferon, lambda receptor 1 [Source:HGNC Symbol;Acc:18584]	-1.10	9.3E-12
CXCR5	ENSG00000160683	chemokine (C-X-C motif) receptor 5 [Source:HGNC Symbol;Acc:1060]	-1.49	9.4E-12
C10orf55	ENSG00000222047	chromosome 10 open reading frame 55 [Source:HGNC Symbol;Acc:31008]	-2.05	9.6E-12
PAM	ENSG00000145730	peptidylglycine alpha-amidating monooxygenase [Source:HGNC Symbol;Acc:8596]	-1.26	9.8E-12
CDC42BPB	ENSG00000198752	CDC42 binding protein kinase beta (DMPK-like) [Source:HGNC Symbol;Acc:1738]	-0.89	1.0E-11
--	ENSG00000261068	--	-2.04	1.0E-11
CAPN8	ENSG00000203697	calpain 8 [Source:HGNC Symbol;Acc:1485]	-1.17	1.0E-11
PIM3	ENSG00000198355	pim-3 oncogene [Source:HGNC Symbol;Acc:19310]	-1.80	1.0E-11
NPEPPS	ENSG00000141279	aminopeptidase puromycin sensitive [Source:HGNC Symbol;Acc:7900]	-1.01	1.0E-11
MUC3A	ENSG00000169894	mucin 3A, cell surface associated [Source:HGNC Symbol;Acc:7513]	-1.12	1.0E-11
SOX13	ENSG00000143842	SRY (sex determining region Y)-box 13 [Source:HGNC Symbol;Acc:11192]	-0.97	1.1E-11
C6orf223	ENSG00000181577	chromosome 6 open reading frame 223 [Source:HGNC Symbol;Acc:28692]	-1.27	1.1E-11
CTTNBP2NL	ENSG00000143079	CTTNBP2 N-terminal like [Source:HGNC Symbol;Acc:25330]	-1.26	1.1E-11
RETSAT	ENSG00000042445	retinol saturase (all-trans-retinol 13,14-reductase) [Source:HGNC Symbol;Acc:25991]	-0.88	1.2E-11
DDX60L	ENSG00000181381	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60-like [Source:HGNC Symbol;Acc:26429]	-1.36	1.2E-11
RAPGEF3	ENSG00000079337	Rap guanine nucleotide exchange factor (GEF) 3 [Source:HGNC Symbol;Acc:16629]	-1.70	1.2E-11
ZSWIM8	ENSG00000214655	zinc finger, SWIM-type containing 8 [Source:HGNC Symbol;Acc:23528]	-1.40	1.3E-11
CCRL2	ENSG00000121797	chemokine (C-C motif) receptor-like 2 [Source:HGNC Symbol;Acc:1612]	-1.03	1.3E-11

C10orf54	ENSG00000107738	chromosome 10 open reading frame 54 [Source:HGNC Symbol;Acc:30085]	-1.62	1.3E-11
MICALL1	ENSG00000100139	MICAL-like 1 [Source:HGNC Symbol;Acc:29804]	-1.19	1.3E-11
PEA15	ENSG00000162734	phosphoprotein enriched in astrocytes 15 [Source:HGNC Symbol;Acc:8822]	-1.04	1.3E-11
KRT17	ENSG00000128422	keratin 17 [Source:HGNC Symbol;Acc:6427]	-1.74	1.4E-11
EVA1B	ENSG00000142694	eva-1 homolog B (C. elegans) [Source:HGNC Symbol;Acc:25558]	-1.89	1.4E-11
GAL3ST1	ENSG00000128242	galactose-3-O-sulfotransferase 1 [Source:HGNC Symbol;Acc:24240]	-1.52	1.4E-11
ETV6	ENSG00000139083	ets variant 6 [Source:HGNC Symbol;Acc:3495]	-0.85	1.4E-11
RNF39	ENSG00000204618	ring finger protein 39 [Source:HGNC Symbol;Acc:18064]	-1.47	1.4E-11
CDH1	ENSG00000039068	cadherin 1, type 1, E-cadherin (epithelial) [Source:HGNC Symbol;Acc:1748]	-1.04	1.5E-11
TRIP4	ENSG00000103671	thyroid hormone receptor interactor 4 [Source:HGNC Symbol;Acc:12310]	-1.07	1.5E-11
PITPNM3	ENSG00000091622	PITPNM family member 3 [Source:HGNC Symbol;Acc:21043]	-1.09	1.5E-11
MYOF	ENSG00000138119	myoferlin [Source:HGNC Symbol;Acc:3656]	-1.21	1.5E-11
KRT7	ENSG00000135480	keratin 7 [Source:HGNC Symbol;Acc:6445]	-1.45	1.5E-11
FSTL1	ENSG00000163430	folliculin-like 1 [Source:HGNC Symbol;Acc:3972]	-1.70	1.5E-11
MCF2L2	ENSG00000053524	MCF.2 cell line derived transforming sequence-like 2 [Source:HGNC Symbol;Acc:30319]	-1.35	1.5E-11
SOCS3	ENSG00000184557	suppressor of cytokine signaling 3 [Source:HGNC Symbol;Acc:19391]	-1.70	1.5E-11
F2RL1	ENSG00000164251	coagulation factor II (thrombin) receptor-like 1 [Source:HGNC Symbol;Acc:3538]	-1.27	1.5E-11
CDC42SE1	ENSG00000197622	CDC42 small effector 1 [Source:HGNC Symbol;Acc:17719]	-0.81	1.7E-11
P4HA2-AS1	ENSG00000237714	P4HA2 antisense RNA 1 [Source:HGNC Symbol;Acc:43560]	-1.05	1.7E-11
IFI27	ENSG00000165949	interferon, alpha-inducible protein 27 [Source:HGNC Symbol;Acc:5397]	-1.21	1.7E-11
YPEL5	ENSG00000119801	yippee-like 5 (Drosophila) [Source:HGNC Symbol;Acc:18329]	-1.11	1.7E-11

CCRN4L	ENSG00000151014	CCR4 carbon catabolite repression 4-like ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:14254]	-1.70	1.7E-11
--	ENSG00000267387	--	-1.41	1.7E-11
PTPRF	ENSG00000142949	protein tyrosine phosphatase, receptor type, F [Source:HGNC Symbol;Acc:9670]	-0.93	1.7E-11
MAPKBP1	ENSG00000137802	mitogen-activated protein kinase binding protein 1 [Source:HGNC Symbol;Acc:29536]	-1.27	1.7E-11
SMAP1	ENSG00000112305	small ArfGAP 1 [Source:HGNC Symbol;Acc:19651]	-1.01	1.7E-11
CEACAM18	ENSG00000213822	carcinoembryonic antigen-related cell adhesion molecule 18 [Source:HGNC Symbol;Acc:31949]	-2.34	1.8E-11
KRT19	ENSG00000171345	keratin 19 [Source:HGNC Symbol;Acc:6436]	-1.47	1.9E-11
UBE2H	ENSG00000186591	ubiquitin-conjugating enzyme E2H [Source:HGNC Symbol;Acc:12484]	-0.87	2.0E-11
GRHL3	ENSG00000158055	grainyhead-like 3 ( <i>Drosophila</i> ) [Source:HGNC Symbol;Acc:25839]	-1.44	2.0E-11
TJP3	ENSG00000105289	tight junction protein 3 [Source:HGNC Symbol;Acc:11829]	-1.45	2.1E-11
ATG16L1	ENSG00000085978	autophagy related 16-like 1 ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:21498]	-0.96	2.1E-11
--	ENSG00000261040	--	-1.83	2.1E-11
--	ENSG00000235481	--	-1.59	2.1E-11
ZSWIM4	ENSG00000132003	zinc finger, SWIM-type containing 4 [Source:HGNC Symbol;Acc:25704]	-1.46	2.1E-11
GPR128	ENSG00000144820	G protein-coupled receptor 128 [Source:HGNC Symbol;Acc:19241]	-1.39	2.2E-11
RDH13	ENSG00000160439	retinol dehydrogenase 13 (all-trans/9-cis) [Source:HGNC Symbol;Acc:19978]	-1.14	2.3E-11
BRI3	ENSG00000164713	brain protein I3 [Source:HGNC Symbol;Acc:1109]	-0.92	2.3E-11
SPAG9	ENSG00000008294	sperm associated antigen 9 [Source:HGNC Symbol;Acc:14524]	-0.92	2.3E-11
KDM2A	ENSG00000173120	lysine (K)-specific demethylase 2A [Source:HGNC Symbol;Acc:13606]	-0.68	2.4E-11
COQ10B	ENSG00000115520	coenzyme Q10 homolog B ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:25819]	-1.01	2.4E-11

RAC1	ENSG00000136238	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1) [Source:HGNC Symbol;Acc:9801]	-0.83	2.4E-11
SH3RF2	ENSG00000156463	SH3 domain containing ring finger 2 [Source:HGNC Symbol;Acc:26299]	-0.83	2.4E-11
TBX6	ENSG00000149922	T-box 6 [Source:HGNC Symbol;Acc:11605]	-1.12	2.4E-11
KRT15	ENSG00000171346	keratin 15 [Source:HGNC Symbol;Acc:6421]	-1.40	2.5E-11
SPRED2	ENSG00000198369	sprouty-related, EVH1 domain containing 2 [Source:HGNC Symbol;Acc:17722]	-0.89	2.5E-11
TNFRSF10B	ENSG00000120889	tumor necrosis factor receptor superfamily, member 10b [Source:HGNC Symbol;Acc:11905]	-0.96	2.7E-11
SLAMF9	ENSG00000162723	SLAM family member 9 [Source:HGNC Symbol;Acc:18430]	-1.69	2.8E-11
LMBR1L	ENSG00000139636	limb development membrane protein 1-like [Source:HGNC Symbol;Acc:18268]	-1.08	2.9E-11
IER5	ENSG00000162783	immediate early response 5 [Source:HGNC Symbol;Acc:5393]	-1.05	2.9E-11
MED15	ENSG00000099917	mediator complex subunit 15 [Source:HGNC Symbol;Acc:14248]	-1.48	3.0E-11
GPD2	ENSG00000115159	glycerol-3-phosphate dehydrogenase 2 (mitochondrial) [Source:HGNC Symbol;Acc:4456]	-1.23	3.1E-11
SAP30BP	ENSG00000161526	SAP30 binding protein [Source:HGNC Symbol;Acc:30785]	-0.90	3.1E-11
ABCA5	ENSG00000154265	ATP-binding cassette, sub-family A (ABC1), member 5 [Source:HGNC Symbol;Acc:35]	-1.36	3.1E-11
SYNPO	ENSG00000171992	synaptopodin [Source:HGNC Symbol;Acc:30672]	-1.27	3.2E-11
CAPG	ENSG00000042493	capping protein (actin filament), gelsolin-like [Source:HGNC Symbol;Acc:1474]	-1.14	3.2E-11
HIST1H2AC	ENSG00000180573	histone cluster 1, H2ac [Source:HGNC Symbol;Acc:4733]	-1.19	3.3E-11
BTBD9	ENSG00000183826	BTB (POZ) domain containing 9 [Source:HGNC Symbol;Acc:21228]	-1.23	3.3E-11
--	ENSG00000259627	--	-1.08	3.3E-11
UNC13A	ENSG00000130477	unc-13 homolog A (C. elegans) [Source:HGNC Symbol;Acc:23150]	-2.02	3.4E-11
TMEM176A	ENSG00000002933	transmembrane protein 176A [Source:HGNC Symbol;Acc:24930]	-1.03	3.4E-11

HIGD1A	ENSG00000181061	HIG1 hypoxia inducible domain family, member 1A [Source:HGNC Symbol;Acc:29527]	-1.31	3.4E-11
HDAC9	ENSG00000048052	histone deacetylase 9 [Source:HGNC Symbol;Acc:14065]	-1.65	3.5E-11
ERBB3	ENSG00000065361	v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 3 [Source:HGNC Symbol;Acc:3431]	-0.85	3.6E-11
SRC	ENSG00000197122	v-src avian sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog [Source:HGNC Symbol;Acc:11283]	-1.11	3.6E-11
KDM7A	ENSG00000006459	lysine (K)-specific demethylase 7A [Source:HGNC Symbol;Acc:22224]	-1.21	3.6E-11
SRPX2	ENSG00000102359	sushi-repeat containing protein, X-linked 2 [Source:HGNC Symbol;Acc:30668]	-1.11	3.7E-11
FAM219A	ENSG00000164970	family with sequence similarity 219, member A [Source:HGNC Symbol;Acc:19920]	-1.15	3.7E-11
RRAGC	ENSG00000116954	Ras-related GTP binding C [Source:HGNC Symbol;Acc:19902]	-1.25	3.8E-11
PLS1	ENSG00000120756	plastin 1 [Source:HGNC Symbol;Acc:9090]	-1.68	3.8E-11
DNAH17-AS1	ENSG00000268470	DNAH17 antisense RNA 1 [Source:HGNC Symbol;Acc:48594]	-1.74	4.1E-11
SLC25A23	ENSG00000125648	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23 [Source:HGNC Symbol;Acc:19375]	-1.17	4.2E-11
CHAC1	ENSG00000128965	ChaC, cation transport regulator homolog 1 (E. coli) [Source:HGNC Symbol;Acc:28680]	-2.32	4.2E-11
ORMDL2	ENSG00000123353	ORM1-like 2 (S. cerevisiae) [Source:HGNC Symbol;Acc:16037]	-0.94	4.2E-11
FNDC3B	ENSG00000075420	fibronectin type III domain containing 3B [Source:HGNC Symbol;Acc:24670]	-1.26	4.3E-11
SLC2A1	ENSG00000117394	solute carrier family 2 (facilitated glucose transporter), member 1 [Source:HGNC Symbol;Acc:11005]	-1.23	4.4E-11
PITPNM2	ENSG00000090975	phosphatidylinositol transfer protein, membrane-associated 2 [Source:HGNC Symbol;Acc:21044]	-1.25	4.4E-11
ASS1	ENSG00000130707	argininosuccinate synthase 1 [Source:HGNC Symbol;Acc:758]	-1.32	4.4E-11
TEAD3	ENSG00000007866	TEA domain family member 3 [Source:HGNC Symbol;Acc:11716]	-1.14	4.6E-11

BAMBI	ENSG00000095739	BMP and activin membrane-bound inhibitor [Source:HGNC Symbol;Acc:30251]	-1.26	4.7E-11
PLD2	ENSG00000129219	phospholipase D2 [Source:HGNC Symbol;Acc:9068]	-1.25	4.7E-11
GGT6	ENSG00000167741	gamma-glutamyltransferase 6 [Source:HGNC Symbol;Acc:26891]	-1.03	4.9E-11
PADI2	ENSG00000117115	peptidyl arginine deiminase, type II [Source:HGNC Symbol;Acc:18341]	-1.59	5.0E-11
KLF3	ENSG00000109787	Kruppel-like factor 3 (basic) [Source:HGNC Symbol;Acc:16516]	-1.21	5.0E-11
KCTD1	ENSG00000134504	potassium channel tetramerization domain containing 1 [Source:HGNC Symbol;Acc:18249]	-1.19	5.1E-11
PRSS22	ENSG00000005001	protease, serine, 22 [Source:HGNC Symbol;Acc:14368]	-1.50	5.2E-11
KRT121P	ENSG00000135477	keratin 121 pseudogene [Source:HGNC Symbol;Acc:30198]	-1.57	5.3E-11
CXCL16	ENSG00000161921	chemokine (C-X-C motif) ligand 16 [Source:HGNC Symbol;Acc:16642]	-0.96	5.4E-11
ARHGAP27	ENSG00000159314	Rho GTPase activating protein 27 [Source:HGNC Symbol;Acc:31813]	-1.45	5.4E-11
GPRIN2	ENSG00000204175	G protein regulated inducer of neurite outgrowth 2 [Source:HGNC Symbol;Acc:23730]	-1.70	5.5E-11
GDA	ENSG00000119125	guanine deaminase [Source:HGNC Symbol;Acc:4212]	-1.21	5.6E-11
DCLRE1A	ENSG00000198924	DNA cross-link repair 1A [Source:HGNC Symbol;Acc:17660]	-1.42	5.7E-11
RHPN2	ENSG00000131941	rhophilin, Rho GTPase binding protein 2 [Source:HGNC Symbol;Acc:19974]	-1.13	5.8E-11
ICAM1	ENSG00000090339	intercellular adhesion molecule 1 [Source:HGNC Symbol;Acc:5344]	-1.85	5.8E-11
GPR37L1	ENSG00000170075	G protein-coupled receptor 37 like 1 [Source:HGNC Symbol;Acc:14923]	-1.33	5.8E-11
--	ENSG00000269018	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QXL3]	-1.55	5.9E-11
PVR	ENSG00000073008	poliovirus receptor [Source:HGNC Symbol;Acc:9705]	-0.93	6.0E-11
SAA1	ENSG00000173432	serum amyloid A1 [Source:HGNC Symbol;Acc:10513]	-1.50	6.0E-11
--	ENSG00000231748	--	-1.35	6.1E-11
S100A14	ENSG00000189334	S100 calcium binding protein A14 [Source:HGNC Symbol;Acc:18901]	-1.01	6.2E-11
MKNK1	ENSG00000079277	MAP kinase interacting serine/threonine kinase 1 [Source:HGNC Symbol;Acc:7110]	-0.99	6.5E-11



UBAP1	ENSG00000165006	ubiquitin associated protein 1 [Source:HGNC Symbol;Acc:12461]	-0.79	6.5E-11
OTUD7B	ENSG00000163113	OTU domain containing 7B [Source:HGNC Symbol;Acc:16683]	-0.91	6.5E-11
PRRT2	ENSG00000167371	proline-rich transmembrane protein 2 [Source:HGNC Symbol;Acc:30500]	-1.56	6.5E-11
TRAF6	ENSG00000175104	TNF receptor-associated factor 6, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:12036]	-1.09	6.6E-11
FLVCR2	ENSG00000119686	feline leukemia virus subgroup C cellular receptor family, member 2 [Source:HGNC Symbol;Acc:20105]	-1.16	6.6E-11
PTPN3	ENSG00000070159	protein tyrosine phosphatase, non-receptor type 3 [Source:HGNC Symbol;Acc:9655]	-0.79	6.7E-11
C19orf66	ENSG00000130813	chromosome 19 open reading frame 66 [Source:HGNC Symbol;Acc:25649]	-1.06	6.7E-11
TMEM45A	ENSG00000181458	transmembrane protein 45A [Source:HGNC Symbol;Acc:25480]	-1.23	6.8E-11
FAM83A-AS1	ENSG00000204949	FAM83A antisense RNA 1 [Source:HGNC Symbol;Acc:48658]	-1.73	6.9E-11
SLC45A4	ENSG00000022567	solute carrier family 45, member 4 [Source:HGNC Symbol;Acc:29196]	-1.04	6.9E-11
CASP16	ENSG00000228146	caspase 16, apoptosis-related cysteine peptidase (putative) [Source:HGNC Symbol;Acc:27290]	-2.50	7.0E-11
HECTD3	ENSG00000126107	HECT domain containing E3 ubiquitin protein ligase 3 [Source:HGNC Symbol;Acc:26117]	-1.01	7.0E-11
DUSP7	ENSG00000164086	dual specificity phosphatase 7 [Source:HGNC Symbol;Acc:3073]	-1.28	7.0E-11
DIAPH1	ENSG00000131504	diaphanous-related formin 1 [Source:HGNC Symbol;Acc:2876]	-0.87	7.1E-11
CCDC64B	ENSG00000162069	coiled-coil domain containing 64B [Source:HGNC Symbol;Acc:33584]	-1.49	7.2E-11
ERBB2IP	ENSG00000112851	erbb2 interacting protein [Source:HGNC Symbol;Acc:15842]	-1.30	7.3E-11
SIRT2	ENSG00000068903	sirtuin 2 [Source:HGNC Symbol;Acc:10886]	-1.11	7.6E-11
MAST2	ENSG00000086015	microtubule associated serine/threonine kinase 2 [Source:HGNC Symbol;Acc:19035]	-1.13	7.8E-11
MDFI	ENSG00000112559	MyoD family inhibitor [Source:HGNC Symbol;Acc:6967]	-1.78	7.9E-11
ZBTB34	ENSG00000177125	zinc finger and BTB domain containing 34 [Source:HGNC Symbol;Acc:31446]	-1.07	8.0E-11

USH1G	ENSG00000182040	Usher syndrome 1G (autosomal recessive) [Source:HGNC Symbol;Acc:16356]	-2.27	8.0E-11
RAP1B	ENSG00000127314	RAP1B, member of RAS oncogene family [Source:HGNC Symbol;Acc:9857]	-1.31	8.0E-11
KRT12	ENSG00000187242	keratin 12 [Source:HGNC Symbol;Acc:6414]	-1.71	8.1E-11
ETV3	ENSG00000117036	ets variant 3 [Source:HGNC Symbol;Acc:3492]	-1.06	8.2E-11
PNPLA2	ENSG00000177666	patatin-like phospholipase domain containing 2 [Source:HGNC Symbol;Acc:30802]	-1.75	8.3E-11
HLA-F-AS1	ENSG00000214922	HLA-F antisense RNA 1 [Source:HGNC Symbol;Acc:26645]	-1.43	8.6E-11
TMEM62	ENSG00000137842	transmembrane protein 62 [Source:HGNC Symbol;Acc:26269]	-0.82	8.8E-11
B3GNT7	ENSG00000156966	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7 [Source:HGNC Symbol;Acc:18811]	-1.63	9.0E-11
--	ENSG00000261385	--	-1.62	9.1E-11
TNFSF15	ENSG00000181634	tumor necrosis factor (ligand) superfamily, member 15 [Source:HGNC Symbol;Acc:11931]	-1.36	9.9E-11
KYNU	ENSG00000115919	kynureninase [Source:HGNC Symbol;Acc:6469]	-1.12	9.9E-11
TNFAIP3	ENSG00000118503	tumor necrosis factor, alpha-induced protein 3 [Source:HGNC Symbol;Acc:11896]	-1.28	1.0E-10
DLL4	ENSG00000128917	delta-like 4 (Drosophila) [Source:HGNC Symbol;Acc:2910]	-1.62	1.0E-10
SLC35D2	ENSG00000130958	solute carrier family 35 (UDP-GlcNAc/UDP-glucose transporter), member D2 [Source:HGNC Symbol;Acc:20799]	-0.95	1.0E-10
SLC26A3	ENSG00000091138	solute carrier family 26 (anion exchanger), member 3 [Source:HGNC Symbol;Acc:3018]	-2.86	1.0E-10
STK10	ENSG00000072786	serine/threonine kinase 10 [Source:HGNC Symbol;Acc:11388]	-1.08	1.1E-10
TMEM79	ENSG00000163472	transmembrane protein 79 [Source:HGNC Symbol;Acc:28196]	-1.13	1.1E-10
--	ENSG00000257342	--	-0.96	1.2E-10
IL17RE	ENSG00000163701	interleukin 17 receptor E [Source:HGNC Symbol;Acc:18439]	-1.02	1.2E-10
UNC13D	ENSG00000092929	unc-13 homolog D (C. elegans) [Source:HGNC Symbol;Acc:23147]	-1.41	1.2E-10
GOLGA2	ENSG00000167110	golgin A2 [Source:HGNC Symbol;Acc:4425]	-0.96	1.3E-10

C11orf80	ENSG00000173715	chromosome 11 open reading frame 80 [Source:HGNC Symbol;Acc:26197]	-1.01	1.3E-10
JUP	ENSG00000173801	junction plakoglobin [Source:HGNC Symbol;Acc:6207]	-1.29	1.3E-10
DOCK1	ENSG00000150760	dedicator of cytokinesis 1 [Source:HGNC Symbol;Acc:2987]	-1.05	1.3E-10
DHRS3	ENSG00000162496	dehydrogenase/reductase (SDR family) member 3 [Source:HGNC Symbol;Acc:17693]	-1.21	1.3E-10
UACA	ENSG00000137831	uveal autoantigen with coiled-coil domains and ankyrin repeats [Source:HGNC Symbol;Acc:15947]	-1.18	1.4E-10
SYTL4	ENSG00000102362	synaptotagmin-like 4 [Source:HGNC Symbol;Acc:15588]	-1.01	1.4E-10
RNF213	ENSG00000173821	ring finger protein 213 [Source:HGNC Symbol;Acc:14539]	-0.76	1.4E-10
IFNGR1	ENSG00000027697	interferon gamma receptor 1 [Source:HGNC Symbol;Acc:5439]	-1.26	1.4E-10
EPS8	ENSG00000151491	epidermal growth factor receptor pathway substrate 8 [Source:HGNC Symbol;Acc:3420]	-1.23	1.5E-10
EFNB1	ENSG00000090776	ephrin-B1 [Source:HGNC Symbol;Acc:3226]	-1.33	1.5E-10
FAM43A	ENSG00000185112	family with sequence similarity 43, member A [Source:HGNC Symbol;Acc:26888]	-1.56	1.5E-10
--	ENSG00000254003	--	-1.20	1.6E-10
KIAA1432	ENSG00000107036	KIAA1432 [Source:HGNC Symbol;Acc:17686]	-1.05	1.6E-10
VDR	ENSG00000111424	vitamin D (1,25- dihydroxyvitamin D3) receptor [Source:HGNC Symbol;Acc:12679]	-0.97	1.7E-10
TDRD7	ENSG00000196116	tudor domain containing 7 [Source:HGNC Symbol;Acc:30831]	-1.01	1.7E-10
HLA-C	ENSG00000204525	major histocompatibility complex, class I, C [Source:HGNC Symbol;Acc:4933]	-1.22	1.8E-10
NPHS2	ENSG00000116218	nephrosis 2, idiopathic, steroid-resistant (podocin) [Source:HGNC Symbol;Acc:13394]	-1.40	1.8E-10
STPG1	ENSG00000001460	sperm-tail PG-rich repeat containing 1 [Source:HGNC Symbol;Acc:28070]	-1.17	1.8E-10
--	ENSG00000233223	--	-1.04	1.9E-10
ANGPTL4	ENSG00000167772	angiopoietin-like 4 [Source:HGNC Symbol;Acc:16039]	-1.88	1.9E-10

ABHD11	ENSG00000106077	abhydrolase domain containing 11 [Source:HGNC Symbol;Acc:16407] DENN/MADD domain containing 2D [Source:HGNC Symbol;Acc:26192]	-1.27	1.9E-10
DENND2D	ENSG00000162777	transmembrane protein 159 [Source:HGNC Symbol;Acc:30136]	-0.90	1.9E-10
TMEM159	ENSG00000011638	distal-less homeobox 3 [Source:HGNC Symbol;Acc:2916]	-1.11	2.0E-10
DLX3	ENSG00000064195	thyroid hormone receptor interactor 10 [Source:HGNC Symbol;Acc:12304]	-2.42	2.0E-10
TRIP10	ENSG00000125733	programmed cell death 6 interacting protein [Source:HGNC Symbol;Acc:8766]	-1.09	2.1E-10
PDCD6IP	ENSG00000170248	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4G [Source:HGNC Symbol;Acc:10735]	-1.04	2.1E-10
SEMA4G	ENSG00000095539	caspase 7, apoptosis-related cysteine peptidase [Source:HGNC Symbol;Acc:1508]	-0.92	2.2E-10
CASP7	ENSG00000165806	DnaJ (Hsp40) homolog, subfamily B, member 9 [Source:HGNC Symbol;Acc:6968]	-1.05	2.2E-10
DNAJB9	ENSG00000128590	Janus kinase 2 [Source:HGNC Symbol;Acc:6192]	-1.49	2.3E-10
JAK2	ENSG00000096968	sideroflexin 3 [Source:HGNC Symbol;Acc:16087]	-1.24	2.4E-10
SFXN3	ENSG00000107819	chromosome 20 open reading frame 112 [Source:HGNC Symbol;Acc:16106]	-0.91	2.4E-10
C20orf112	ENSG00000197183	Rho GTPase activating protein 42 [Source:HGNC Symbol;Acc:26545]	-0.76	2.4E-10
ARHGAP42	ENSG00000165895	prostate transmembrane protein, androgen induced 1 [Source:HGNC Symbol;Acc:14107]	-1.23	2.5E-10
PMEPA1	ENSG00000124225	myeloid cell leukemia sequence 1 (BCL2-related) [Source:HGNC Symbol;Acc:6943]	-1.09	2.5E-10
MCL1	ENSG00000143384	--	-0.97	2.6E-10
--	ENSG00000231840	--	-1.03	2.6E-10
ZNF274	ENSG00000171606	zinc finger protein 274 [Source:HGNC Symbol;Acc:13068]	-0.89	2.7E-10
GABRE	ENSG00000102287	gamma-aminobutyric acid (GABA) A receptor, epsilon [Source:HGNC Symbol;Acc:4085]	-1.05	2.7E-10

DQX1	ENSG00000144045	DEAQ box RNA-dependent ATPase 1 [Source:HGNC Symbol;Acc:20410]	-1.17	2.7E-10
HSPB8	ENSG00000152137	heat shock 22kDa protein 8 [Source:HGNC Symbol;Acc:30171]	-1.37	2.8E-10
STX12	ENSG00000117758	syntaxin 12 [Source:HGNC Symbol;Acc:11430]	-1.20	2.8E-10
SLC1A7	ENSG00000162383	solute carrier family 1 (glutamate transporter), member 7 [Source:HGNC Symbol;Acc:10945]	-1.55	2.9E-10
--	ENSG00000258130	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F8VWA3]	-1.99	2.9E-10
GPR108	ENSG00000125734	G protein-coupled receptor 108 [Source:HGNC Symbol;Acc:17829]	-1.08	2.9E-10
ZNF823	ENSG00000197933	zinc finger protein 823 [Source:HGNC Symbol;Acc:30936]	-1.16	2.9E-10
PLLP	ENSG00000102934	plasmolipin [Source:HGNC Symbol;Acc:18553]	-0.87	3.0E-10
SH3BP2	ENSG00000087266	SH3-domain binding protein 2 [Source:HGNC Symbol;Acc:10825]	-0.89	3.0E-10
ITGB1	ENSG00000150093	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12) [Source:HGNC Symbol;Acc:6153]	-1.23	3.0E-10
SLC6A20	ENSG00000163817	solute carrier family 6 (proline IMINO transporter), member 20 [Source:HGNC Symbol;Acc:30927]	-1.52	3.1E-10
DAPK1	ENSG00000196730	death-associated protein kinase 1 [Source:HGNC Symbol;Acc:2674]	-0.95	3.2E-10
RIMS3	ENSG00000117016	regulating synaptic membrane exocytosis 3 [Source:HGNC Symbol;Acc:21292]	-1.27	3.2E-10
ADCY4	ENSG00000129467	adenylate cyclase 4 [Source:HGNC Symbol;Acc:235]	-1.34	3.4E-10
TUBB6	ENSG00000176014	tubulin, beta 6 class V [Source:HGNC Symbol;Acc:20776]	-0.90	3.4E-10
PROSER2	ENSG00000148426	proline and serine-rich protein 2 [Source:HGNC Symbol;Acc:23728]	-1.11	3.6E-10
JUNB	ENSG00000171223	jun B proto-oncogene [Source:HGNC Symbol;Acc:6205]	-1.66	3.7E-10
TLE4	ENSG00000106829	transducin-like enhancer of split 4 (E(sp1) homolog, Drosophila) [Source:HGNC Symbol;Acc:11840]	-1.54	3.7E-10
TFPI	ENSG00000003436	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor) [Source:HGNC Symbol;Acc:11760]	-1.38	3.7E-10
GNB1	ENSG00000078369	guanine nucleotide binding protein (G protein), beta polypeptide 1 [Source:HGNC Symbol;Acc:4396]	-0.79	3.7E-10

ABCD1	ENSG00000101986	ATP-binding cassette, sub-family D (ALD), member 1 [Source:HGNC Symbol;Acc:61]	-1.49	3.8E-10
STOML1	ENSG00000067221	stomatin (EPB72)-like 1 [Source:HGNC Symbol;Acc:14560]	-1.54	3.9E-10
LRRC8A	ENSG00000136802	leucine rich repeat containing 8 family, member A [Source:HGNC Symbol;Acc:19027]	-1.19	3.9E-10
TAPBP	ENSG00000231925	TAP binding protein (tapasin) [Source:HGNC Symbol;Acc:11566]	-1.09	3.9E-10
SEC14L1	ENSG00000129657	SEC14-like 1 ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:10698]	-0.95	4.1E-10
PDLIM5	ENSG00000163110	PDZ and LIM domain 5 [Source:HGNC Symbol;Acc:17468]	-1.10	4.2E-10
PPP1R15A	ENSG00000087074	protein phosphatase 1, regulatory subunit 15A [Source:HGNC Symbol;Acc:14375]	-1.54	4.2E-10
--	ENSG00000253972	--	-1.01	4.4E-10
MYRF	ENSG00000124920	myelin regulatory factor [Source:HGNC Symbol;Acc:1181]	-1.06	4.5E-10
SBNO2	ENSG00000064932	strawberry notch homolog 2 ( <i>Drosophila</i> ) [Source:HGNC Symbol;Acc:29158]	-1.59	4.6E-10
SPRY2	ENSG00000136158	sprouty homolog 2 ( <i>Drosophila</i> ) [Source:HGNC Symbol;Acc:11270]	-1.06	4.8E-10
TJP2	ENSG00000119139	tight junction protein 2 [Source:HGNC Symbol;Acc:11828]	-0.86	5.3E-10
MLLT4	ENSG00000130396	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, <i>Drosophila</i> ); translocated to, 4 [Source:HGNC Symbol;Acc:7137]	-1.07	5.3E-10
CSRNP2	ENSG00000110925	cysteine-serine-rich nuclear protein 2 [Source:HGNC Symbol;Acc:16006]	-0.94	5.4E-10
RNF144A	ENSG00000151692	ring finger protein 144A [Source:HGNC Symbol;Acc:20457]	-1.27	5.6E-10
CYTH3	ENSG00000008256	cytohesin 3 [Source:HGNC Symbol;Acc:9504]	-1.09	5.6E-10
AK1	ENSG00000106992	adenylate kinase 1 [Source:HGNC Symbol;Acc:361]	-1.20	5.7E-10
NCCRP1	ENSG00000188505	non-specific cytotoxic cell receptor protein 1 homolog (zebrafish) [Source:HGNC Symbol;Acc:33739]	-1.73	5.7E-10
MBOAT2	ENSG00000143797	membrane bound O-acyltransferase domain containing 2 [Source:HGNC Symbol;Acc:25193]	-1.11	5.7E-10
HELZ2	ENSG00000130589	helicase with zinc finger 2, transcriptional coactivator [Source:HGNC Symbol;Acc:30021]	-1.33	5.7E-10

PAQR8	ENSG00000170915	progesterone and adipoQ receptor family member VIII [Source:HGNC Symbol;Acc:15708]	-1.26	5.7E-10
KRT8	ENSG00000170421	keratin 8 [Source:HGNC Symbol;Acc:6446]	-1.27	5.7E-10
SDCBP	ENSG00000137575	syndecan binding protein (syntenin) [Source:HGNC Symbol;Acc:10662]	-1.08	5.8E-10
CSF1	ENSG00000184371	colony stimulating factor 1 (macrophage) [Source:HGNC Symbol;Acc:2432]	-1.36	5.9E-10
C12orf49	ENSG00000111412	chromosome 12 open reading frame 49 [Source:HGNC Symbol;Acc:26128]	-0.93	6.2E-10
--	ENSG00000272720	--	-1.55	6.3E-10
MAP7D1	ENSG00000116871	MAP7 domain containing 1 [Source:HGNC Symbol;Acc:25514]	-1.19	6.3E-10
--	ENSG00000271828	--	-1.78	6.4E-10
OSGIN1	ENSG00000140961	oxidative stress induced growth inhibitor 1 [Source:HGNC Symbol;Acc:30093]	-1.63	6.5E-10
MEF2A	ENSG00000068305	myocyte enhancer factor 2A [Source:HGNC Symbol;Acc:6993]	-1.13	6.8E-10
RAB4B	ENSG00000167578	RAB4B, member RAS oncogene family [Source:HGNC Symbol;Acc:9782]	-1.61	6.9E-10
THBS1	ENSG00000137801	thrombospondin 1 [Source:HGNC Symbol;Acc:11785]	-1.48	6.9E-10
C12orf75	ENSG00000235162	chromosome 12 open reading frame 75 [Source:HGNC Symbol;Acc:35164]	-0.73	7.0E-10
CAPN1	ENSG00000014216	calpain 1, (mu/l) large subunit [Source:HGNC Symbol;Acc:1476]	-1.18	7.1E-10
SPNS2	ENSG00000183018	spinster homolog 2 (Drosophila) [Source:HGNC Symbol;Acc:26992]	-1.12	7.2E-10
MAP4K4	ENSG00000071054	mitogen-activated protein kinase kinase kinase 4 [Source:HGNC Symbol;Acc:6866]	-1.11	7.2E-10
SFTA2	ENSG00000196260	surfactant associated 2 [Source:HGNC Symbol;Acc:18386]	-1.24	7.2E-10
VPS9D1	ENSG00000075399	VPS9 domain containing 1 [Source:HGNC Symbol;Acc:13526]	-1.48	7.4E-10
TFCP2L1	ENSG00000115112	transcription factor CP2-like 1 [Source:HGNC Symbol;Acc:17925]	-0.96	7.5E-10
HLA-A	ENSG00000206503	major histocompatibility complex, class I, A [Source:HGNC Symbol;Acc:4931]	-1.07	7.7E-10

MAL2	ENSG00000147676	mal, T-cell differentiation protein 2 (gene/pseudogene) [Source:HGNC Symbol;Acc:13634]	-1.07	7.8E-10
TSPAN8	ENSG00000127324	tetraspanin 8 [Source:HGNC Symbol;Acc:11855]	-1.09	7.9E-10
DAPK2	ENSG00000035664	death-associated protein kinase 2 [Source:HGNC Symbol;Acc:2675]	-1.03	7.9E-10
--	ENSG00000267607	--	-1.67	7.9E-10
WNT2B	ENSG00000134245	wingless-type MMTV integration site family, member 2B [Source:HGNC Symbol;Acc:12781]	-1.11	8.0E-10
ZSWIM6	ENSG00000130449	zinc finger, SWIM-type containing 6 [Source:HGNC Symbol;Acc:29316]	-1.09	8.3E-10
CDC42EP5	ENSG00000167617	CDC42 effector protein (Rho GTPase binding) 5 [Source:HGNC Symbol;Acc:17408]	-1.75	8.6E-10
SRI	ENSG00000075142	sorcini [Source:HGNC Symbol;Acc:11292]	-0.91	8.7E-10
--	ENSG00000257671	--	-1.46	8.8E-10
FAM13A-AS1	ENSG00000248019	FAM13A antisense RNA 1 [Source:HGNC Symbol;Acc:19370]	-1.11	8.8E-10
--	ENSG00000267344	--	-1.52	8.9E-10
--	ENSG00000225205	--	-1.35	8.9E-10
LMTK2	ENSG00000164715	lemur tyrosine kinase 2 [Source:HGNC Symbol;Acc:17880]	-0.83	8.9E-10
LYPD3	ENSG00000124466	LY6/PLAUR domain containing 3 [Source:HGNC Symbol;Acc:24880]	-1.69	8.9E-10
TMEM139	ENSG00000178826	transmembrane protein 139 [Source:HGNC Symbol;Acc:22058]	-1.02	9.1E-10
LGALS4	ENSG00000171747	lectin, galactoside-binding, soluble, 4 [Source:HGNC Symbol;Acc:6565]	-0.99	9.6E-10
TTC39B	ENSG00000155158	tetratricopeptide repeat domain 39B [Source:HGNC Symbol;Acc:23704]	-1.23	9.6E-10
CASZ1	ENSG00000130940	castor zinc finger 1 [Source:HGNC Symbol;Acc:26002]	-1.06	1.0E-09
--	ENSG00000245293	--	-1.61	1.0E-09
MST1R	ENSG00000164078	macrophage stimulating 1 receptor (c-met-related tyrosine kinase) [Source:HGNC Symbol;Acc:7381]	-1.24	1.1E-09
RHBDL2	ENSG00000158315	rhomboid, veinlet-like 2 (Drosophila) [Source:HGNC Symbol;Acc:16083]	-1.04	1.1E-09



ITGA6	ENSG00000091409	integrin, alpha 6 [Source:HGNC Symbol;Acc:6142]	-1.18	1.1E-09
NAT1	ENSG00000171428	N-acetyltransferase 1 (arylamine N-acetyltransferase) [Source:HGNC Symbol;Acc:7645]	-1.17	1.1E-09
MMP1	ENSG00000196611	matrix metalloproteinase 1 (interstitial collagenase) [Source:HGNC Symbol;Acc:7155]	-2.03	1.1E-09
FAM102A	ENSG00000167106	family with sequence similarity 102, member A [Source:HGNC Symbol;Acc:31419]	-0.94	1.2E-09
AP1B1	ENSG00000100280	adaptor-related protein complex 1, beta 1 subunit [Source:HGNC Symbol;Acc:554]	-1.10	1.2E-09
SLC6A12	ENSG00000111181	solute carrier family 6 (neurotransmitter transporter), member 12 [Source:HGNC Symbol;Acc:11045]	-2.13	1.2E-09
KCTD11	ENSG00000213859	potassium channel tetramerization domain containing 11 [Source:HGNC Symbol;Acc:21302]	-1.28	1.2E-09
--	ENSG00000268965	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0R270]	-2.22	1.2E-09
MVP	ENSG00000013364	major vault protein [Source:HGNC Symbol;Acc:7531]	-1.35	1.3E-09
PTPRE	ENSG00000132334	protein tyrosine phosphatase, receptor type, E [Source:HGNC Symbol;Acc:9669]	-1.02	1.3E-09
CREB3	ENSG00000107175	cAMP responsive element binding protein 3 [Source:HGNC Symbol;Acc:2347]	-0.88	1.3E-09
SMIM22	ENSG00000267795	small integral membrane protein 22 [Source:HGNC Symbol;Acc:48329]	-1.45	1.3E-09
USP43	ENSG00000154914	ubiquitin specific peptidase 43 [Source:HGNC Symbol;Acc:20072]	-0.87	1.3E-09
IL6R	ENSG00000160712	interleukin 6 receptor [Source:HGNC Symbol;Acc:6019]	-1.08	1.3E-09
HECA	ENSG00000112406	headcase homolog (Drosophila) [Source:HGNC Symbol;Acc:21041]	-1.05	1.3E-09
OBFC1	ENSG00000107960	oligonucleotide/oligosaccharide-binding fold containing 1 [Source:HGNC Symbol;Acc:26200]	-0.89	1.3E-09
LRRFIP2	ENSG00000093167	leucine rich repeat (in FLII) interacting protein 2 [Source:HGNC Symbol;Acc:6703]	-0.77	1.4E-09
SERTAD3	ENSG00000167565	SERTA domain containing 3 [Source:HGNC Symbol;Acc:17931]	-1.02	1.4E-09

SLC22A18AS	ENSG00000254827	solute carrier family 22 (organic cation transporter), member 18 antisense [Source:HGNC Symbol;Acc:10965]	-1.17	1.4E-09
PINK1-AS	ENSG00000117242	PINK1 antisense RNA [Source:HGNC Symbol;Acc:38872]	-1.01	1.5E-09
MIR210HG	ENSG00000247095	MIR210 host gene (non-protein coding) [Source:HGNC Symbol;Acc:39524]	-1.68	1.5E-09
NFKB2	ENSG00000077150	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100) [Source:HGNC Symbol;Acc:7795]	-1.48	1.5E-09
TES	ENSG00000135269	testis derived transcript (3 LIM domains) [Source:HGNC Symbol;Acc:14620]	-1.07	1.5E-09
DPP4	ENSG00000197635	dipeptidyl-peptidase 4 [Source:HGNC Symbol;Acc:3009]	-0.85	1.5E-09
--	ENSG00000224721	--	-1.88	1.5E-09
GPA33	ENSG00000143167	glycoprotein A33 (transmembrane) [Source:HGNC Symbol;Acc:4445]	-1.20	1.5E-09
VSIG10	ENSG00000176834	V-set and immunoglobulin domain containing 10 [Source:HGNC Symbol;Acc:26078]	-0.86	1.6E-09
PHLDA3	ENSG00000174307	pleckstrin homology-like domain, family A, member 3 [Source:HGNC Symbol;Acc:8934]	-1.50	1.6E-09
LINC01133	ENSG00000224259	long intergenic non-protein coding RNA 1133 [Source:HGNC Symbol;Acc:49447]	-1.46	1.6E-09
TMEM82	ENSG00000162460	transmembrane protein 82 [Source:HGNC Symbol;Acc:32350]	-1.86	1.6E-09
ATP10B	ENSG00000118322	ATPase, class V, type 10B [Source:HGNC Symbol;Acc:13543]	-0.90	1.7E-09
MEP1A	ENSG00000112818	meprin A, alpha (PABA peptide hydrolase) [Source:HGNC Symbol;Acc:7015]	-1.31	1.7E-09
CASC19	ENSG00000254166	cancer susceptibility candidate 19 (non-protein coding) [Source:HGNC Symbol;Acc:49476]	-1.55	1.7E-09
KRT16	ENSG00000186832	keratin 16 [Source:HGNC Symbol;Acc:6423]	-1.39	1.7E-09
CHD2	ENSG00000173575	chromodomain helicase DNA binding protein 2 [Source:HGNC Symbol;Acc:1917]	-0.74	1.7E-09
--	ENSG00000188971	--	-1.10	1.7E-09
HEBP2	ENSG00000051620	heme binding protein 2 [Source:HGNC Symbol;Acc:15716]	-0.86	1.8E-09

FEM1B	ENSG00000169018	fem-1 homolog b (C. elegans) [Source:HGNC Symbol;Acc:3649] protein kinase, AMP-activated, gamma 2 non-catalytic subunit	-1.08	1.8E-09
PRKAG2	ENSG00000106617	[Source:HGNC Symbol;Acc:9386]	-1.01	1.8E-09
PRR13	ENSG00000205352	proline rich 13 [Source:HGNC Symbol;Acc:24528] RAS and EF-hand domain containing [Source:HGNC	-0.82	1.8E-09
RASEF	ENSG00000165105	Symbol;Acc:26464] GIPC PDZ domain containing family, member 1 [Source:HGNC	-1.10	1.8E-09
GIPC1	ENSG00000123159	Symbol;Acc:1226] chromosome 8 open reading frame 4 [Source:HGNC	-1.35	1.9E-09
C8orf4	ENSG00000176907	Symbol;Acc:1357] HLA complex group 4 pseudogene 11 [Source:HGNC	-1.34	1.9E-09
HCG4P11	ENSG00000225864	Symbol;Acc:22930]	-1.55	1.9E-09
KSR1	ENSG00000141068	kinase suppressor of ras 1 [Source:HGNC Symbol;Acc:6465] zinc finger and BTB domain containing 7A [Source:HGNC	-0.91	1.9E-09
ZBTB7A	ENSG00000178951	Symbol;Acc:18078] solute carrier family 25 (mitochondrial carrier; phosphate carrier),	-0.88	2.0E-09
SLC25A25	ENSG00000148339	member 25 [Source:HGNC Symbol;Acc:20663] inositol polyphosphate-5-phosphatase F [Source:HGNC	-1.09	2.0E-09
INPP5F	ENSG00000198825	Symbol;Acc:17054]	-0.95	2.1E-09
VIPR1-AS1	ENSG00000232354	VIPR1 antisense RNA 1 [Source:HGNC Symbol;Acc:40610] leucine rich repeat (in FLII) interacting protein 1 [Source:HGNC	-1.36	2.1E-09
LRRFIP1	ENSG00000124831	Symbol;Acc:6702] Rho guanine nucleotide exchange factor (GEF) 11 [Source:HGNC	-1.04	2.1E-09
ARHGEF11	ENSG00000132694	Symbol;Acc:14580]	-0.97	2.1E-09
RTCA	ENSG00000137996	RNA 3'-terminal phosphate cyclase [Source:HGNC Symbol;Acc:17981] Rho/Rac guanine nucleotide exchange factor (GEF) 2 [Source:HGNC	-0.87	2.1E-09
ARHGEF2	ENSG00000116584	Symbol;Acc:682]	-0.99	2.2E-09
ABI2	ENSG00000138443	abl-interactor 2 [Source:HGNC Symbol;Acc:24011]	-0.90	2.2E-09

MAFG	ENSG00000197063	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog G [Source:HGNC Symbol;Acc:6781]	-1.11	2.2E-09
--	ENSG00000267322	--	-1.24	2.2E-09
PSORS1C3	ENSG00000204528	psoriasis susceptibility 1 candidate 3 (non-protein coding) [Source:HGNC Symbol;Acc:17203]	-1.34	2.3E-09
IFRD1	ENSG00000006652	interferon-related developmental regulator 1 [Source:HGNC Symbol;Acc:5456]	-0.91	2.3E-09
DENND1B	ENSG00000213047	DENN/MADD domain containing 1B [Source:HGNC Symbol;Acc:28404]	-1.32	2.3E-09
--	ENSG00000267077	--	-1.37	2.4E-09
ARTN	ENSG00000117407	artemin [Source:HGNC Symbol;Acc:727]	-2.25	2.4E-09
PRRG2	ENSG00000126460	proline rich Gla (G-carboxyglutamic acid) 2 [Source:HGNC Symbol;Acc:9470]	-1.26	2.4E-09
UQCC2	ENSG00000137288	ubiquinol-cytochrome c reductase complex assembly factor 2 [Source:HGNC Symbol;Acc:21237]	-1.15	2.6E-09
YPEL3	ENSG00000090238	yippee-like 3 (Drosophila) [Source:HGNC Symbol;Acc:18327]	-1.46	2.6E-09
SLC41A2	ENSG00000136052	solute carrier family 41 (magnesium transporter), member 2 [Source:HGNC Symbol;Acc:31045]	-1.20	2.6E-09
MOB3C	ENSG00000142961	MOB kinase activator 3C [Source:HGNC Symbol;Acc:29800]	-1.05	2.6E-09
ILK	ENSG00000166333	integrin-linked kinase [Source:HGNC Symbol;Acc:6040]	-0.76	2.7E-09
PLEKHG6	ENSG00000008323	pleckstrin homology domain containing, family G (with RhoGef domain) member 6 [Source:HGNC Symbol;Acc:25562]	-1.16	2.7E-09
RWDD2A	ENSG00000013392	RWD domain containing 2A [Source:HGNC Symbol;Acc:21385]	-0.97	2.8E-09
PERP	ENSG00000112378	PERP, TP53 apoptosis effector [Source:HGNC Symbol;Acc:17637]	-1.00	2.8E-09
MOB3A	ENSG00000172081	MOB kinase activator 3A [Source:HGNC Symbol;Acc:29802]	-0.95	2.8E-09
MS4A12	ENSG00000071203	membrane-spanning 4-domains, subfamily A, member 12 [Source:HGNC Symbol;Acc:13370]	-2.90	2.8E-09
TINF2	ENSG00000092330	TERF1 (TRF1)-interacting nuclear factor 2 [Source:HGNC Symbol;Acc:11824]	-0.87	2.8E-09

TFF1	ENSG00000160182	trefoil factor 1 [Source:HGNC Symbol;Acc:11755]	-1.49	2.9E-09
URGCP	ENSG00000106608	upregulator of cell proliferation [Source:HGNC Symbol;Acc:30890]	-1.06	2.9E-09
HRH1	ENSG00000196639	histamine receptor H1 [Source:HGNC Symbol;Acc:5182]	-1.04	2.9E-09
PTPRJ	ENSG00000149177	protein tyrosine phosphatase, receptor type, J [Source:HGNC Symbol;Acc:9673]	-1.23	3.0E-09
--	ENSG00000266341	--	-1.14	3.1E-09
GUCD1	ENSG00000138867	guanylyl cyclase domain containing 1 [Source:HGNC Symbol;Acc:14237]	-0.86	3.1E-09
CAB39	ENSG00000135932	calcium binding protein 39 [Source:HGNC Symbol;Acc:20292]	-1.22	3.1E-09
FER1L4	ENSG00000088340	fer-1-like 4 (C. elegans), pseudogene [Source:HGNC Symbol;Acc:15801]	-1.37	3.2E-09
--	ENSG00000255404	--	-0.93	3.3E-09
LDHA	ENSG00000134333	lactate dehydrogenase A [Source:HGNC Symbol;Acc:6535]	-0.93	3.3E-09
--	ENSG00000234678	--	-1.12	3.4E-09
FAM129B	ENSG00000136830	family with sequence similarity 129, member B [Source:HGNC Symbol;Acc:25282]	-1.18	3.4E-09
TRAK1	ENSG00000182606	trafficking protein, kinesin binding 1 [Source:HGNC Symbol;Acc:29947]	-0.72	3.4E-09
AKR1B15	ENSG00000227471	aldo-keto reductase family 1, member B15 [Source:HGNC Symbol;Acc:37281]	-2.76	3.5E-09
OS9	ENSG00000135506	osteosarcoma amplified 9, endoplasmic reticulum lectin [Source:HGNC Symbol;Acc:16994]	-0.91	3.5E-09
ITGA2	ENSG00000164171	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor) [Source:HGNC Symbol;Acc:6137]	-1.52	3.5E-09
ZCCHC6	ENSG00000083223	zinc finger, CCHC domain containing 6 [Source:HGNC Symbol;Acc:25817]	-1.02	3.6E-09
SLC22A3	ENSG00000146477	solute carrier family 22 (organic cation transporter), member 3 [Source:HGNC Symbol;Acc:10967]	-1.00	3.7E-09
SFN	ENSG00000175793	stratifin [Source:HGNC Symbol;Acc:10773]	-1.40	3.7E-09

MYO1A	ENSG00000166866	myosin IA [Source:HGNC Symbol;Acc:7595]	-0.81	3.7E-09
ELF4	ENSG00000102034	E74-like factor 4 (ets domain transcription factor) [Source:HGNC Symbol;Acc:3319]	-0.79	3.7E-09
SLC16A3	ENSG00000141526	solute carrier family 16 (monocarboxylate transporter), member 3 [Source:HGNC Symbol;Acc:10924]	-1.34	3.7E-09
--	ENSG00000257390	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H0YHH1]	-1.09	3.7E-09
TMEM217	ENSG00000172738	transmembrane protein 217 [Source:HGNC Symbol;Acc:21238]	-1.54	3.8E-09
PRELID2	ENSG00000186314	PRELI domain containing 2 [Source:HGNC Symbol;Acc:28306]	-0.94	3.8E-09
ALDOA	ENSG00000149925	aldolase A, fructose-bisphosphate [Source:HGNC Symbol;Acc:414]	-1.24	3.8E-09
MIEF2	ENSG00000177427	mitochondrial elongation factor 2 [Source:HGNC Symbol;Acc:17920]	-1.40	3.8E-09
CXADR	ENSG00000154639	coxsackie virus and adenovirus receptor [Source:HGNC Symbol;Acc:2559]	-1.26	3.9E-09
TAP1	ENSG00000168394	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP) [Source:HGNC Symbol;Acc:43]	-0.87	3.9E-09
DUSP3	ENSG00000108861	dual specificity phosphatase 3 [Source:HGNC Symbol;Acc:3069]	-0.75	3.9E-09
CHMP1B	ENSG00000255112	charged multivesicular body protein 1B [Source:HGNC Symbol;Acc:24287]	-0.92	4.0E-09
WFDC5	ENSG00000175121	WAP four-disulfide core domain 5 [Source:HGNC Symbol;Acc:20477]	-2.02	4.0E-09
SNRK-AS1	ENSG00000234617	SNRK antisense RNA 1 [Source:HGNC Symbol;Acc:41269]	-1.51	4.0E-09
GPR126	ENSG00000112414	G protein-coupled receptor 126 [Source:HGNC Symbol;Acc:13841]	-1.43	4.0E-09
PRSS36	ENSG00000178226	protease, serine, 36 [Source:HGNC Symbol;Acc:26906]	-1.58	4.1E-09
CLN8	ENSG00000182372	ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation) [Source:HGNC Symbol;Acc:2079]	-0.91	4.1E-09
ZNF160	ENSG00000170949	zinc finger protein 160 [Source:HGNC Symbol;Acc:12948]	-1.06	4.2E-09
PCSK7	ENSG00000160613	proprotein convertase subtilisin/kexin type 7 [Source:HGNC Symbol;Acc:8748]	-1.00	4.3E-09
TLDC2	ENSG00000101342	TBC/LysM-associated domain containing 2 [Source:HGNC Symbol;Acc:16112]	-0.72	4.3E-09
--	ENSG00000233554	--	-1.64	4.4E-09

CHP1	ENSG00000187446	calcineurin-like EF-hand protein 1 [Source:HGNC Symbol;Acc:17433]	-0.77	4.4E-09
OPN3	ENSG00000054277	opsin 3 [Source:HGNC Symbol;Acc:14007]	-1.18	4.4E-09
TSPAN14	ENSG00000108219	tetraspanin 14 [Source:HGNC Symbol;Acc:23303]	-0.91	4.5E-09
SYNPO2L	ENSG00000166317	synaptopodin 2-like [Source:HGNC Symbol;Acc:23532]	-4.04	4.5E-09
JAK1	ENSG00000162434	Janus kinase 1 [Source:HGNC Symbol;Acc:6190]	-0.94	4.5E-09
STX19	ENSG00000178750	syntaxin 19 [Source:HGNC Symbol;Acc:19300]	-1.24	4.5E-09
ARAP2	ENSG00000047365	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2 [Source:HGNC Symbol;Acc:16924]	-1.25	4.6E-09
BCL6	ENSG00000113916	B-cell CLL/lymphoma 6 [Source:HGNC Symbol;Acc:1001]	-0.96	4.7E-09
CRAT	ENSG00000095321	carnitine O-acetyltransferase [Source:HGNC Symbol;Acc:2342]	-1.00	4.8E-09
--	ENSG00000230438	--	-1.76	4.9E-09
SEC14L2	ENSG00000100003	SEC14-like 2 ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:10699]	-1.18	4.9E-09
--	ENSG00000273328	--	-2.62	5.0E-09
MAST3	ENSG00000099308	microtubule associated serine/threonine kinase 3 [Source:HGNC Symbol;Acc:19036]	-1.19	5.1E-09
OVOL1	ENSG00000172818	ovo-like zinc finger 1 [Source:HGNC Symbol;Acc:8525]	-1.02	5.2E-09
SYTL5	ENSG00000147041	synaptotagmin-like 5 [Source:HGNC Symbol;Acc:15589]	-1.66	5.4E-09
--	ENSG00000267804	--	-1.28	5.5E-09
RAB22A	ENSG00000124209	RAB22A, member RAS oncogene family [Source:HGNC Symbol;Acc:9764]	-0.92	5.5E-09
GBP1	ENSG00000117228	guanylate binding protein 1, interferon-inducible [Source:HGNC Symbol;Acc:4182]	-1.24	5.6E-09
CTDSP2	ENSG00000175215	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2 [Source:HGNC Symbol;Acc:17077]	-0.81	5.6E-09
CFB	ENSG00000243649	complement factor B [Source:HGNC Symbol;Acc:1037]	-1.47	5.6E-09
SOWAHC	ENSG00000198142	sosondowah ankyrin repeat domain family member C [Source:HGNC Symbol;Acc:26149]	-1.25	5.6E-09
ZNF821	ENSG00000102984	zinc finger protein 821 [Source:HGNC Symbol;Acc:28043]	-1.41	5.6E-09

VPS28	ENSG00000160948	vacuolar protein sorting 28 homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:18178]	-1.29	5.9E-09
RELB	ENSG00000104856	v-rel avian reticuloendotheliosis viral oncogene homolog B [Source:HGNC Symbol;Acc:9956]	-1.45	6.0E-09
ANXA1	ENSG00000135046	annexin A1 [Source:HGNC Symbol;Acc:533]	-1.10	6.0E-09
VASP	ENSG00000125753	vasodilator-stimulated phosphoprotein [Source:HGNC Symbol;Acc:12652]	-0.95	6.1E-09
TPD52L2	ENSG00000101150	tumor protein D52-like 2 [Source:HGNC Symbol;Acc:12007]	-0.86	6.1E-09
DAB2IP	ENSG00000136848	DAB2 interacting protein [Source:HGNC Symbol;Acc:17294]	-0.91	6.1E-09
ZBTB46	ENSG00000130584	zinc finger and BTB domain containing 46 [Source:HGNC Symbol;Acc:16094]	-1.13	6.1E-09
CCNDBP1	ENSG00000166946	cyclin D-type binding-protein 1 [Source:HGNC Symbol;Acc:1587]	-0.96	6.4E-09
HBP1	ENSG00000105856	HMG-box transcription factor 1 [Source:HGNC Symbol;Acc:23200]	-1.06	6.8E-09
CC2D1B	ENSG00000154222	coiled-coil and C2 domain containing 1B [Source:HGNC Symbol;Acc:29386]	-0.92	7.0E-09
GNA11	ENSG00000088256	guanine nucleotide binding protein (G protein), alpha 11 (Gq class) [Source:HGNC Symbol;Acc:4379]	-1.24	7.1E-09
--	ENSG00000268427	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:M0QZK9]	-1.48	7.2E-09
C7orf43	ENSG00000146826	chromosome 7 open reading frame 43 [Source:HGNC Symbol;Acc:25604]	-1.26	7.5E-09
PTP4A1	ENSG00000112245	protein tyrosine phosphatase type IVA, member 1 [Source:HGNC Symbol;Acc:9634]	-1.06	7.5E-09
TSG101	ENSG00000074319	tumor susceptibility 101 [Source:HGNC Symbol;Acc:15971]	-0.83	7.5E-09
RNF10	ENSG00000022840	ring finger protein 10 [Source:HGNC Symbol;Acc:10055]	-0.65	7.5E-09
FABP3	ENSG00000121769	fatty acid binding protein 3, muscle and heart (mammary-derived growth inhibitor) [Source:HGNC Symbol;Acc:3557]	-1.69	7.6E-09
GNA13	ENSG00000120063	guanine nucleotide binding protein (G protein), alpha 13 [Source:HGNC Symbol;Acc:4381]	-1.21	7.6E-09



SWAP70	ENSG00000133789	SWAP switching B-cell complex 70kDa subunit [Source:HGNC Symbol;Acc:17070]	-1.03	7.8E-09
HSPG2	ENSG00000142798	heparan sulfate proteoglycan 2 [Source:HGNC Symbol;Acc:5273]	-1.16	7.8E-09
CHIC2	ENSG00000109220	cysteine-rich hydrophobic domain 2 [Source:HGNC Symbol;Acc:1935]	-1.07	7.8E-09
GTPBP1	ENSG00000100226	GTP binding protein 1 [Source:HGNC Symbol;Acc:4669]	-1.18	7.9E-09
IL13RA1	ENSG00000131724	interleukin 13 receptor, alpha 1 [Source:HGNC Symbol;Acc:5974]	-0.90	8.2E-09
--	ENSG00000235523	--	-2.63	8.2E-09
TAP2	ENSG00000204267	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP) [Source:HGNC Symbol;Acc:44]	-0.82	8.2E-09
YIPF3	ENSG00000137207	Yip1 domain family, member 3 [Source:HGNC Symbol;Acc:21023]	-0.88	8.4E-09
CCDC153	ENSG00000248712	coiled-coil domain containing 153 [Source:HGNC Symbol;Acc:27446]	-1.31	8.5E-09
--	ENSG00000270403	--	-2.26	8.8E-09
ELMSAN1	ENSG00000156030	ELM2 and Myb/SANT-like domain containing 1 [Source:HGNC Symbol;Acc:19853]	-0.95	8.8E-09
PDLIM1	ENSG00000107438	PDZ and LIM domain 1 [Source:HGNC Symbol;Acc:2067]	-0.67	8.9E-09
SH2D3A	ENSG00000125731	SH2 domain containing 3A [Source:HGNC Symbol;Acc:16885]	-1.30	9.0E-09
LRRC66	ENSG00000188993	leucine rich repeat containing 66 [Source:HGNC Symbol;Acc:34299]	-1.66	9.0E-09
--	ENSG00000263171	--	-1.40	9.1E-09
ATP1B1	ENSG00000143153	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, beta 1 polypeptide [Source:HGNC Symbol;Acc:804]	-1.11	9.1E-09
LIF	ENSG00000128342	leukemia inhibitory factor [Source:HGNC Symbol;Acc:6596]	-1.20	9.3E-09
CXCL17	ENSG00000189377	chemokine (C-X-C motif) ligand 17 [Source:HGNC Symbol;Acc:19232]	-1.27	9.4E-09
SYNRG	ENSG00000006114	synergin, gamma [Source:HGNC Symbol;Acc:557]	-0.96	9.4E-09
HPCA	ENSG00000121905	hippocalcin [Source:HGNC Symbol;Acc:5144]	-1.44	9.7E-09
EIF6	ENSG00000242372	eukaryotic translation initiation factor 6 [Source:HGNC Symbol;Acc:6159]	-0.91	1.0E-08
NFKBIE	ENSG00000146232	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon [Source:HGNC Symbol;Acc:7799]	-1.30	1.0E-08

ZC3H12C	ENSG00000149289	zinc finger CCCH-type containing 12C [Source:HGNC Symbol;Acc:29362]	-1.26	1.0E-08
STAT5A	ENSG00000126561	signal transducer and activator of transcription 5A [Source:HGNC Symbol;Acc:11366]	-1.16	1.0E-08
TCN2	ENSG00000185339	transcobalamin II [Source:HGNC Symbol;Acc:11653]	-1.16	1.0E-08
CALR	ENSG00000179218	calreticulin [Source:HGNC Symbol;Acc:1455]	-0.76	1.0E-08
FRMD4B	ENSG00000114541	FERM domain containing 4B [Source:HGNC Symbol;Acc:24886]	-1.04	1.0E-08
PNMA1	ENSG00000176903	paraneoplastic Ma antigen 1 [Source:HGNC Symbol;Acc:9158]	-0.88	1.1E-08
TJP1	ENSG00000104067	tight junction protein 1 [Source:HGNC Symbol;Acc:11827]	-0.92	1.1E-08
CLIP1	ENSG00000130779	CAP-GLY domain containing linker protein 1 [Source:HGNC Symbol;Acc:10461]	-1.16	1.1E-08
HDHD3	ENSG00000119431	haloacid dehalogenase-like hydrolase domain containing 3 [Source:HGNC Symbol;Acc:28171]	-1.18	1.1E-08
OSER1	ENSG00000132823	oxidative stress responsive serine-rich 1 [Source:HGNC Symbol;Acc:16105]	-0.76	1.1E-08
PFKP	ENSG00000067057	phosphofructokinase, platelet [Source:HGNC Symbol;Acc:8878]	-0.99	1.1E-08
B3GNT8	ENSG00000177191	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 8 [Source:HGNC Symbol;Acc:24139]	-1.63	1.1E-08
--	ENSG00000250602	--	-1.55	1.1E-08
ARHGAP35	ENSG00000160007	Rho GTPase activating protein 35 [Source:HGNC Symbol;Acc:4591]	-0.89	1.1E-08
TSC22D3	ENSG00000157514	TSC22 domain family, member 3 [Source:HGNC Symbol;Acc:3051]	-0.86	1.2E-08
ULK1	ENSG00000177169	unc-51 like autophagy activating kinase 1 [Source:HGNC Symbol;Acc:12558]	-1.00	1.2E-08
TLCD2	ENSG00000185561	TLC domain containing 2 [Source:HGNC Symbol;Acc:33522]	-2.01	1.2E-08
--	ENSG00000267905	--	-2.85	1.2E-08
RGP1	ENSG00000107185	RGP1 retrograde golgi transport homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:21965]	-0.95	1.2E-08
CTTN	ENSG00000085733	cortactin [Source:HGNC Symbol;Acc:3338]	-0.81	1.2E-08
--	ENSG00000188242	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:D6RHG8]	-1.47	1.2E-08

MAX	ENSG00000125952	MYC associated factor X [Source:HGNC Symbol;Acc:6913]	-0.75	1.3E-08
FAM120AOS	ENSG00000188938	family with sequence similarity 120A opposite strand [Source:HGNC Symbol;Acc:23389]	-0.74	1.3E-08
ARHGAP21	ENSG00000107863	Rho GTPase activating protein 21 [Source:HGNC Symbol;Acc:23725]	-0.95	1.3E-08
--	ENSG00000203400	--	-1.36	1.3E-08
FAM131A	ENSG00000175182	family with sequence similarity 131, member A [Source:HGNC Symbol;Acc:28308]	-1.13	1.4E-08
PARP14	ENSG00000173193	poly (ADP-ribose) polymerase family, member 14 [Source:HGNC Symbol;Acc:29232]	-0.91	1.4E-08
SMG7	ENSG00000116698	SMG7 nonsense mediated mRNA decay factor [Source:HGNC Symbol;Acc:16792]	-0.63	1.4E-08
ARHGEF34P	ENSG00000204959	Rho guanine nucleotide exchange factor (GEF) 34, pseudogene [Source:HGNC Symbol;Acc:38086]	-1.04	1.5E-08
PDLIM7	ENSG00000196923	PDZ and LIM domain 7 (enigma) [Source:HGNC Symbol;Acc:22958]	-1.45	1.5E-08
LTB	ENSG00000227507	lymphotoxin beta (TNF superfamily, member 3) [Source:HGNC Symbol;Acc:6711]	-1.88	1.6E-08
ATG13	ENSG00000175224	autophagy related 13 [Source:HGNC Symbol;Acc:29091]	-0.78	1.6E-08
KCTD5	ENSG00000167977	potassium channel tetramerization domain containing 5 [Source:HGNC Symbol;Acc:21423]	-0.96	1.6E-08
--	ENSG00000236915	--	-2.45	1.6E-08
SLCO2B1	ENSG00000137491	solute carrier organic anion transporter family, member 2B1 [Source:HGNC Symbol;Acc:10962]	-0.94	1.6E-08
SUN2	ENSG00000100242	Sad1 and UNC84 domain containing 2 [Source:HGNC Symbol;Acc:14210]	-1.15	1.6E-08
DHRS7	ENSG00000100612	dehydrogenase/reductase (SDR family) member 7 [Source:HGNC Symbol;Acc:21524]	-0.94	1.7E-08
--	ENSG00000225138	--	-1.61	1.7E-08
MTMR14	ENSG00000163719	myotubularin related protein 14 [Source:HGNC Symbol;Acc:26190]	-0.95	1.7E-08
ARHGAP26	ENSG00000145819	Rho GTPase activating protein 26 [Source:HGNC Symbol;Acc:17073]	-0.89	1.7E-08

BAK1	ENSG00000030110	BCL2-antagonist/killer 1 [Source:HGNC Symbol;Acc:949] HCG1787699; Uncharacterized protein	-1.14	1.7E-08
--	ENSG00000268950	[Source:UniProtKB/TrEMBL;Acc:MOR3D0] plakophilin 1 (ectodermal dysplasia/skin fragility syndrome)	-1.40	1.7E-08
PKP1	ENSG00000081277	[Source:HGNC Symbol;Acc:9023]	-1.50	1.7E-08
CPNE8	ENSG00000139117	copine VIII [Source:HGNC Symbol;Acc:23498]	-1.37	1.8E-08
FER1L6	ENSG00000214814	fer-1-like 6 (C. elegans) [Source:HGNC Symbol;Acc:28065]	-1.43	1.8E-08
BTBD19	ENSG00000222009	BTB (POZ) domain containing 19 [Source:HGNC Symbol;Acc:27145]	-1.63	1.9E-08
CRB3	ENSG00000130545	crumbs homolog 3 (Drosophila) [Source:HGNC Symbol;Acc:20237]	-1.34	1.9E-08
PINK1	ENSG00000158828	PTEN induced putative kinase 1 [Source:HGNC Symbol;Acc:14581]	-1.07	1.9E-08
RNASET2	ENSG00000026297	ribonuclease T2 [Source:HGNC Symbol;Acc:21686]	-0.99	1.9E-08
NCOA3	ENSG00000124151	nuclear receptor coactivator 3 [Source:HGNC Symbol;Acc:7670]	-0.99	1.9E-08
ARL14	ENSG00000179674	ADP-ribosylation factor-like 14 [Source:HGNC Symbol;Acc:22974] family with sequence similarity 83, member E [Source:HGNC	-0.99	2.0E-08
FAM83E	ENSG00000105523	Symbol;Acc:25972]	-1.44	2.0E-08
--	ENSG00000261521	-- serine peptidase inhibitor, Kunitz type, 2 [Source:HGNC	-1.64	2.0E-08
SPINT2	ENSG00000167642	Symbol;Acc:11247] calmodulin 2 (phosphorylase kinase, delta) [Source:HGNC	-0.85	2.0E-08
CALM2	ENSG00000143933	Symbol;Acc:1445]	-1.02	2.1E-08
TBC1D22B	ENSG00000065491	TBC1 domain family, member 22B [Source:HGNC Symbol;Acc:21602] tetratricopeptide repeat domain 39A [Source:HGNC	-0.97	2.1E-08
TTC39A	ENSG00000085831	Symbol;Acc:18657] solute carrier family 22, member 18 [Source:HGNC	-0.77	2.1E-08
SLC22A18	ENSG00000110628	Symbol;Acc:10964]	-1.40	2.2E-08
SERTAD1	ENSG00000197019	SERTA domain containing 1 [Source:HGNC Symbol;Acc:17932] family with sequence similarity 46, member A [Source:HGNC	-1.39	2.2E-08
FAM46A	ENSG00000112773	Symbol;Acc:18345]	-1.10	2.3E-08
EDN1	ENSG00000078401	endothelin 1 [Source:HGNC Symbol;Acc:3176]	-1.26	2.3E-08

GALNT5	ENSG00000136542	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 5 (GalNAc-T5) [Source:HGNC Symbol;Acc:4127]	-1.08	2.3E-08
TMSB10	ENSG00000034510	thymosin beta 10 [Source:HGNC Symbol;Acc:11879]	-0.80	2.3E-08
KCNH8	ENSG00000183960	potassium voltage-gated channel, subfamily H (eag-related), member 8 [Source:HGNC Symbol;Acc:18864]	-1.15	2.4E-08
DTX4	ENSG00000110042	deltex homolog 4 (Drosophila) [Source:HGNC Symbol;Acc:29151]	-0.87	2.4E-08
CTNNB1	ENSG00000168036	catenin (cadherin-associated protein), beta 1, 88kDa [Source:HGNC Symbol;Acc:2514]	-1.11	2.5E-08
IMPDH1P10	ENSG00000232133	IMP (inosine monophosphate) dehydrogenase 1 pseudogene 10 [Source:HGNC Symbol;Acc:33965]	-1.52	2.5E-08
--	ENSG00000233706	--	-1.22	2.6E-08
KCTD9	ENSG00000104756	potassium channel tetramerization domain containing 9 [Source:HGNC Symbol;Acc:22401]	-1.19	2.7E-08
P4HB	ENSG00000185624	prolyl 4-hydroxylase, beta polypeptide [Source:HGNC Symbol;Acc:8548]	-0.95	2.7E-08
TP53INP1	ENSG00000164938	tumor protein p53 inducible nuclear protein 1 [Source:HGNC Symbol;Acc:18022]	-1.04	2.8E-08
SLC8B1	ENSG00000089060	solute carrier family 8 (sodium/lithium/calcium exchanger), member B1 [Source:HGNC Symbol;Acc:26175]	-1.07	2.8E-08
--	ENSG00000225946	--	-1.27	2.8E-08
--	ENSG00000267416	--	-1.63	2.9E-08
IL8	ENSG00000169429	interleukin 8 [Source:HGNC Symbol;Acc:6025]	-1.34	2.9E-08
OCLN	ENSG00000197822	occludin [Source:HGNC Symbol;Acc:8104]	-0.96	3.0E-08
ETHE1	ENSG00000105755	ethylmalonic encephalopathy 1 [Source:HGNC Symbol;Acc:23287]	-0.88	3.0E-08
--	ENSG00000260912	--	-1.02	3.0E-08
SEMA6A	ENSG00000092421	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A [Source:HGNC Symbol;Acc:10738]	-1.10	3.0E-08

DENND6B	ENSG00000205593	DENN/MADD domain containing 6B [Source:HGNC Symbol;Acc:32690]	-1.34	3.0E-08
MCOLN1	ENSG00000090674	mucolipin 1 [Source:HGNC Symbol;Acc:13356]	-1.24	3.1E-08
WBP1L	ENSG00000166272	WW domain binding protein 1-like [Source:HGNC Symbol;Acc:23510]	-0.89	3.1E-08
IL6ST	ENSG00000134352	interleukin 6 signal transducer (gp130, oncostatin M receptor) [Source:HGNC Symbol;Acc:6021]	-1.19	3.2E-08
GRN	ENSG00000030582	granulin [Source:HGNC Symbol;Acc:4601]	-1.22	3.2E-08
ARPC5	ENSG00000162704	actin related protein 2/3 complex, subunit 5, 16kDa [Source:HGNC Symbol;Acc:708]	-0.96	3.2E-08
ZFYVE28	ENSG00000159733	zinc finger, FYVE domain containing 28 [Source:HGNC Symbol;Acc:29334]	-1.39	3.3E-08
SLC22A23	ENSG00000137266	solute carrier family 22, member 23 [Source:HGNC Symbol;Acc:21106]	-0.84	3.4E-08
GNAL	ENSG00000141404	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type [Source:HGNC Symbol;Acc:4388]	-0.92	3.4E-08
MAPK6	ENSG00000069956	mitogen-activated protein kinase 6 [Source:HGNC Symbol;Acc:6879]	-1.18	3.4E-08
ITGB8	ENSG00000105855	integrin, beta 8 [Source:HGNC Symbol;Acc:6163]	-1.38	3.4E-08
--	ENSG00000267815	--	-1.47	3.4E-08
GAREM	ENSG00000141441	GRB2 associated, regulator of MAPK1 [Source:HGNC Symbol;Acc:26136]	-1.31	3.5E-08
VNN2	ENSG00000112303	vanin 2 [Source:HGNC Symbol;Acc:12706]	-1.35	3.6E-08
INPP4B	ENSG00000109452	inositol polyphosphate-4-phosphatase, type II, 105kDa [Source:HGNC Symbol;Acc:6075]	-1.35	3.6E-08
CFL1	ENSG00000172757	cofilin 1 (non-muscle) [Source:HGNC Symbol;Acc:1874]	-0.73	3.7E-08
CEACAM3	ENSG00000170956	carcinoembryonic antigen-related cell adhesion molecule 3 [Source:HGNC Symbol;Acc:1815]	-3.13	3.7E-08
SH3GL1	ENSG00000141985	SH3-domain GRB2-like 1 [Source:HGNC Symbol;Acc:10830]	-1.14	3.7E-08
GNE	ENSG00000159921	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase [Source:HGNC Symbol;Acc:23657]	-0.92	3.7E-08

TFAP2A	ENSG00000137203	transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha) [Source:HGNC Symbol;Acc:11742]	-0.87	3.8E-08
CIB1	ENSG00000185043	calcium and integrin binding 1 (calmyrin) [Source:HGNC Symbol;Acc:16920]	-0.97	3.9E-08
SLC30A4	ENSG00000104154	solute carrier family 30 (zinc transporter), member 4 [Source:HGNC Symbol;Acc:11015]	-1.16	3.9E-08
ILDR1	ENSG00000145103	immunoglobulin-like domain containing receptor 1 [Source:HGNC Symbol;Acc:28741]	-1.17	3.9E-08
SLC7A7	ENSG00000155465	solute carrier family 7 (amino acid transporter light chain, y+L system), member 7 [Source:HGNC Symbol;Acc:11065]	-0.80	3.9E-08
FAM160A1	ENSG00000164142	family with sequence similarity 160, member A1 [Source:HGNC Symbol;Acc:34237]	-1.43	3.9E-08
LINC00955	ENSG00000216560	long intergenic non-protein coding RNA 955 [Source:HGNC Symbol;Acc:26644]	-2.85	3.9E-08
RAB11A	ENSG00000103769	RAB11A, member RAS oncogene family [Source:HGNC Symbol;Acc:9760]	-0.83	4.0E-08
STAT2	ENSG00000170581	signal transducer and activator of transcription 2, 113kDa [Source:HGNC Symbol;Acc:11363]	-0.66	4.1E-08
BAZ2A	ENSG00000076108	bromodomain adjacent to zinc finger domain, 2A [Source:HGNC Symbol;Acc:962]	-0.61	4.2E-08
INF2	ENSG00000203485	inverted formin, FH2 and WH2 domain containing [Source:HGNC Symbol;Acc:23791]	-1.22	4.3E-08
TPMT	ENSG00000137364	thiopurine S-methyltransferase [Source:HGNC Symbol;Acc:12014]	-1.00	4.3E-08
RGS20	ENSG00000147509	regulator of G-protein signaling 20 [Source:HGNC Symbol;Acc:14600]	-1.04	4.3E-08
ASL	ENSG00000126522	argininosuccinate lyase [Source:HGNC Symbol;Acc:746]	-1.14	4.3E-08
PLA2G16	ENSG00000176485	phospholipase A2, group XVI [Source:HGNC Symbol;Acc:17825]	-0.85	4.5E-08
CSRP1	ENSG00000159176	cysteine and glycine-rich protein 1 [Source:HGNC Symbol;Acc:2469]	-0.78	4.5E-08
SPSB1	ENSG00000171621	splA/ryanodine receptor domain and SOCS box containing 1 [Source:HGNC Symbol;Acc:30628]	-1.03	4.5E-08

PPIF	ENSG00000108179	peptidylprolyl isomerase F [Source:HGNC Symbol;Acc:9259]	-1.00	4.6E-08
PEX26	ENSG00000215193	peroxisomal biogenesis factor 26 [Source:HGNC Symbol;Acc:22965]	-0.75	4.7E-08
SCARB2	ENSG00000138760	scavenger receptor class B, member 2 [Source:HGNC Symbol;Acc:1665]	-0.97	4.7E-08
STX5	ENSG00000162236	syntaxin 5 [Source:HGNC Symbol;Acc:11440]	-0.72	4.7E-08
SIRT7	ENSG00000187531	sirtuin 7 [Source:HGNC Symbol;Acc:14935]	-1.20	4.9E-08
RNF185	ENSG00000138942	ring finger protein 185 [Source:HGNC Symbol;Acc:26783]	-0.78	4.9E-08
PLXNA3	ENSG00000130827	plexin A3 [Source:HGNC Symbol;Acc:9101]	-1.27	4.9E-08
TBC1D20	ENSG00000125875	TBC1 domain family, member 20 [Source:HGNC Symbol;Acc:16133]	-0.60	5.1E-08
--	ENSG00000259342	--	-1.01	5.1E-08
ITCH	ENSG00000078747	itchy E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:13890]	-1.01	5.2E-08
CTDSP1	ENSG00000144579	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1 [Source:HGNC Symbol;Acc:21614]	-1.06	5.2E-08
CDK19	ENSG00000155111	cyclin-dependent kinase 19 [Source:HGNC Symbol;Acc:19338]	-0.99	5.2E-08
SEC24C	ENSG00000176986	SEC24 family member C [Source:HGNC Symbol;Acc:10705]	-0.71	5.2E-08
CLCF1	ENSG00000175505	cardiotrophin-like cytokine factor 1 [Source:HGNC Symbol;Acc:17412]	-1.49	5.5E-08
FOLR1	ENSG00000110195	folate receptor 1 (adult) [Source:HGNC Symbol;Acc:3791]	-1.30	5.6E-08
CHMP2A	ENSG00000130724	charged multivesicular body protein 2A [Source:HGNC Symbol;Acc:30216]	-1.05	5.7E-08
PPP4R1L	ENSG00000124224	protein phosphatase 4, regulatory subunit 1-like [Source:HGNC Symbol;Acc:15755]	-0.82	5.8E-08
--	ENSG00000257433	--	-1.81	5.8E-08
DCUN1D3	ENSG00000188215	DCN1, defective in cullin neddylation 1, domain containing 3 [Source:HGNC Symbol;Acc:28734]	-0.83	5.8E-08
EZH1	ENSG00000108799	enhancer of zeste homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:3526]	-0.85	5.9E-08
MYO1C	ENSG00000197879	myosin IC [Source:HGNC Symbol;Acc:7597]	-0.87	5.9E-08



RIMKLA	ENSG00000177181	ribosomal modification protein rimK-like family member A [Source:HGNC Symbol;Acc:28725]	-0.86	5.9E-08
TMEM185A	ENSG00000155984	transmembrane protein 185A [Source:HGNC Symbol;Acc:17125]	-0.84	5.9E-08
DDR1	ENSG00000204580	discoidin domain receptor tyrosine kinase 1 [Source:HGNC Symbol;Acc:2730]	-0.90	6.0E-08
WBP2	ENSG00000132471	WW domain binding protein 2 [Source:HGNC Symbol;Acc:12738]	-1.07	6.0E-08
--	ENSG00000269243	--	-0.68	6.1E-08
CERS2	ENSG00000143418	ceramide synthase 2 [Source:HGNC Symbol;Acc:14076]	-0.66	6.2E-08
--	ENSG00000260276	--	-1.02	6.3E-08
MAFB	ENSG00000204103	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog B [Source:HGNC Symbol;Acc:6408]	-1.14	6.3E-08
IFI35	ENSG00000068079	interferon-induced protein 35 [Source:HGNC Symbol;Acc:5399]	-1.07	6.4E-08
SH3PXD2A	ENSG00000107957	SH3 and PX domains 2A [Source:HGNC Symbol;Acc:23664]	-0.78	6.5E-08
--	ENSG00000265298	--	-1.20	6.5E-08
STX3	ENSG00000166900	syntaxin 3 [Source:HGNC Symbol;Acc:11438]	-0.72	6.6E-08
SDC1	ENSG00000115884	syndecan 1 [Source:HGNC Symbol;Acc:10658]	-1.03	6.7E-08
FBXL12	ENSG00000127452	F-box and leucine-rich repeat protein 12 [Source:HGNC Symbol;Acc:13611]	-0.94	6.7E-08
KDM3A	ENSG00000115548	lysine (K)-specific demethylase 3A [Source:HGNC Symbol;Acc:20815]	-0.96	6.8E-08
PP2D1	ENSG00000183977	protein phosphatase 2C-like domain containing 1 [Source:HGNC Symbol;Acc:28406]	-0.88	6.8E-08
CPEB4	ENSG00000113742	cytoplasmic polyadenylation element binding protein 4 [Source:HGNC Symbol;Acc:21747]	-1.29	6.9E-08
ACER3	ENSG00000078124	alkaline ceramidase 3 [Source:HGNC Symbol;Acc:16066]	-1.09	6.9E-08
--	ENSG00000230698	--	-1.37	7.0E-08
--	ENSG00000197146	--	-1.45	7.1E-08
--	ENSG00000260281	--	-1.17	7.1E-08
METRNL	ENSG00000176845	meteorin, glial cell differentiation regulator-like [Source:HGNC Symbol;Acc:27584]	-1.46	7.2E-08

TMEM40	ENSG00000088726	transmembrane protein 40 [Source:HGNC Symbol;Acc:25620]	-1.45	7.2E-08
AFAP1L2	ENSG00000169129	actin filament associated protein 1-like 2 [Source:HGNC Symbol;Acc:25901]	-1.07	7.3E-08
PHLPP2	ENSG00000040199	PH domain and leucine rich repeat protein phosphatase 2 [Source:HGNC Symbol;Acc:29149]	-0.92	7.5E-08
ST14	ENSG00000149418	suppression of tumorigenicity 14 (colon carcinoma) [Source:HGNC Symbol;Acc:11344]	-1.11	7.8E-08
LGALS9	ENSG00000168961	lectin, galactoside-binding, soluble, 9 [Source:HGNC Symbol;Acc:6570]	-0.92	7.9E-08
CACNA1C-AS	ENSG00000246627	CACNA1C antisense RNA 1 [Source:HGNC Symbol;Acc:40119]	-1.56	8.1E-08
TMEM184A	ENSG00000164855	transmembrane protein 184A [Source:HGNC Symbol;Acc:28797]	-1.28	8.1E-08
SERPINB1	ENSG00000021355	serpin peptidase inhibitor, clade B (ovalbumin), member 1 [Source:HGNC Symbol;Acc:3311]	-0.78	8.2E-08
C2orf88	ENSG00000187699	chromosome 2 open reading frame 88 [Source:HGNC Symbol;Acc:28191]	-1.07	8.4E-08
TINCR	ENSG00000223573	tissue differentiation-inducing non-protein coding RNA [Source:HGNC Symbol;Acc:14607]	-1.84	8.4E-08
LINC00514	ENSG00000262152	long intergenic non-protein coding RNA 514 [Source:HGNC Symbol;Acc:27549]	-1.17	8.4E-08
--	ENSG00000221461	Small nucleolar RNA U3 [Source:RFAM;Acc:RF00012]	-2.65	8.4E-08
--	ENSG00000260834	--	-1.07	8.5E-08
DENND5B	ENSG00000170456	DENN/MADD domain containing 5B [Source:HGNC Symbol;Acc:28338]	-1.27	8.5E-08
NABP1	ENSG00000173559	nucleic acid binding protein 1 [Source:HGNC Symbol;Acc:26232]	-1.07	8.6E-08
EXT1	ENSG00000182197	exostosin glycosyltransferase 1 [Source:HGNC Symbol;Acc:3512]	-0.74	8.7E-08
NRBP1	ENSG00000115216	nuclear receptor binding protein 1 [Source:HGNC Symbol;Acc:7993]	-0.82	8.7E-08
--	ENSG00000223947	--	-1.03	8.7E-08
SLC6A9	ENSG00000196517	solute carrier family 6 (neurotransmitter transporter, glycine), member 9 [Source:HGNC Symbol;Acc:11056]	-1.05	8.7E-08

RAB5A	ENSG00000144566	RAB5A, member RAS oncogene family [Source:HGNC Symbol;Acc:9783]	-0.97	8.9E-08
CHMP2B	ENSG00000083937	charged multivesicular body protein 2B [Source:HGNC Symbol;Acc:24537]	-1.22	8.9E-08
JAG1	ENSG00000101384	jagged 1 [Source:HGNC Symbol;Acc:6188]	-0.83	8.9E-08
LRCH4	ENSG00000077454	leucine-rich repeats and calponin homology (CH) domain containing 4 [Source:HGNC Symbol;Acc:6691]	-1.27	8.9E-08
ATP2B4	ENSG00000058668	ATPase, Ca <sup>++</sup> transporting, plasma membrane 4 [Source:HGNC Symbol;Acc:817]	-0.96	9.0E-08
RNF122	ENSG00000133874	ring finger protein 122 [Source:HGNC Symbol;Acc:21147]	-1.51	9.1E-08
HOMEZ	ENSG00000215271	homeobox and leucine zipper encoding [Source:HGNC Symbol;Acc:20164]	-0.74	9.3E-08
TFF2	ENSG00000160181	trefoil factor 2 [Source:HGNC Symbol;Acc:11756]	-1.47	9.5E-08
--	ENSG00000259407	--	-1.04	9.5E-08
--	ENSG00000203688	--	-1.22	9.5E-08
MLX	ENSG00000108788	MLX, MAX dimerization protein [Source:HGNC Symbol;Acc:11645]	-0.73	9.6E-08
MFSD9	ENSG00000135953	major facilitator superfamily domain containing 9 [Source:HGNC Symbol;Acc:28158]	-0.91	9.6E-08
CYP2D6	ENSG00000100197	cytochrome P450, family 2, subfamily D, polypeptide 6 [Source:HGNC Symbol;Acc:2625]	-1.56	9.7E-08
GGA3	ENSG00000125447	golgi-associated, gamma adaptin ear containing, ARF binding protein 3 [Source:HGNC Symbol;Acc:17079]	-0.81	9.8E-08
PRR15	ENSG00000176532	proline rich 15 [Source:HGNC Symbol;Acc:22310]	-0.83	1.0E-07
BBC3	ENSG00000105327	BCL2 binding component 3 [Source:HGNC Symbol;Acc:17868]	-1.44	1.0E-07
PAG1	ENSG00000076641	phosphoprotein associated with glycosphingolipid microdomains 1 [Source:HGNC Symbol;Acc:30043]	-1.32	1.0E-07
HERC4	ENSG00000148634	HECT and RLD domain containing E3 ubiquitin protein ligase 4 [Source:HGNC Symbol;Acc:24521]	-1.01	1.0E-07
--	ENSG00000232682	--	-1.92	1.0E-07

RNF19B	ENSG00000116514	ring finger protein 19B [Source:HGNC Symbol;Acc:26886]	-1.31	1.0E-07
FBLIM1	ENSG00000162458	filamin binding LIM protein 1 [Source:HGNC Symbol;Acc:24686]	-0.99	1.1E-07
IQCD	ENSG00000166578	IQ motif containing D [Source:HGNC Symbol;Acc:25168]	-1.27	1.1E-07
SYS1	ENSG00000204070	SYS1 Golgi-localized integral membrane protein homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:16162]	-0.72	1.1E-07
MERTK	ENSG00000153208	c-mer proto-oncogene tyrosine kinase [Source:HGNC Symbol;Acc:7027]	-0.83	1.1E-07
P4HA1	ENSG00000122884	prolyl 4-hydroxylase, alpha polypeptide I [Source:HGNC Symbol;Acc:8546]	-1.27	1.1E-07
HS6ST1	ENSG00000136720	heparan sulfate 6-O-sulfotransferase 1 [Source:HGNC Symbol;Acc:5201]	-1.23	1.1E-07
CYP2C18	ENSG00000108242	cytochrome P450, family 2, subfamily C, polypeptide 18 [Source:HGNC Symbol;Acc:2620]	-1.42	1.1E-07
NAMPT	ENSG00000105835	nicotinamide phosphoribosyltransferase [Source:HGNC Symbol;Acc:30092]	-0.90	1.1E-07
COPG1	ENSG00000181789	coatamer protein complex, subunit gamma 1 [Source:HGNC Symbol;Acc:2236]	-0.72	1.2E-07
STEAP4	ENSG00000127954	STEAP family member 4 [Source:HGNC Symbol;Acc:21923]	-1.29	1.2E-07
CACNG4	ENSG00000075461	calcium channel, voltage-dependent, gamma subunit 4 [Source:HGNC Symbol;Acc:1408]	-0.90	1.2E-07
MAFK	ENSG00000198517	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog K [Source:HGNC Symbol;Acc:6782]	-1.20	1.2E-07
GBP2	ENSG00000162645	guanylate binding protein 2, interferon-inducible [Source:HGNC Symbol;Acc:4183]	-0.99	1.2E-07
C11orf91	ENSG00000205177	chromosome 11 open reading frame 91 [Source:HGNC Symbol;Acc:34444]	-2.69	1.2E-07
ZNF611	ENSG00000213020	zinc finger protein 611 [Source:HGNC Symbol;Acc:28766]	-1.02	1.2E-07
NT5C3A	ENSG00000122643	5'-nucleotidase, cytosolic IIIA [Source:HGNC Symbol;Acc:17820]	-1.06	1.3E-07

ATP2A2	ENSG00000174437	ATPase, Ca <sup>++</sup> transporting, cardiac muscle, slow twitch 2 [Source:HGNC Symbol;Acc:812]	-0.78	1.3E-07
LINC00969	ENSG00000242086	long intergenic non-protein coding RNA 969 [Source:HGNC Symbol;Acc:48729]	-0.73	1.3E-07
TPCN1	ENSG00000186815	two pore segment channel 1 [Source:HGNC Symbol;Acc:18182]	-0.97	1.3E-07
VASN	ENSG00000168140	vasorin [Source:HGNC Symbol;Acc:18517]	-1.88	1.3E-07
DEDD2	ENSG00000160570	death effector domain containing 2 [Source:HGNC Symbol;Acc:24450]	-1.14	1.4E-07
PLEKHM1P	ENSG00000214176	pleckstrin homology domain containing, family M (with RUN domain) member 1 pseudogene [Source:HGNC Symbol;Acc:35411]	-1.02	1.4E-07
CPM	ENSG00000135678	carboxypeptidase M [Source:HGNC Symbol;Acc:2311]	-1.05	1.4E-07
SIPA1L3	ENSG00000105738	signal-induced proliferation-associated 1 like 3 [Source:HGNC Symbol;Acc:23801]	-0.77	1.4E-07
STAT3	ENSG00000168610	signal transducer and activator of transcription 3 (acute-phase response factor) [Source:HGNC Symbol;Acc:11364]	-0.78	1.4E-07
TPPP	ENSG00000171368	tubulin polymerization promoting protein [Source:HGNC Symbol;Acc:24164]	-1.09	1.5E-07
B4GALT5	ENSG00000158470	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5 [Source:HGNC Symbol;Acc:928]	-0.83	1.5E-07
PTPRR	ENSG00000153233	protein tyrosine phosphatase, receptor type, R [Source:HGNC Symbol;Acc:9680]	-1.39	1.5E-07
EPS8L2	ENSG00000177106	EPS8-like 2 [Source:HGNC Symbol;Acc:21296]	-1.17	1.5E-07
CERCAM	ENSG00000167123	cerebral endothelial cell adhesion molecule [Source:HGNC Symbol;Acc:23723]	-1.01	1.5E-07
--	ENSG00000261416	--	-1.18	1.5E-07
CCAT1	ENSG00000247844	colon cancer associated transcript 1 (non-protein coding) [Source:HGNC Symbol;Acc:45128]	-1.36	1.6E-07
--	ENSG00000230882	--	-1.56	1.6E-07
ZFAND2B	ENSG00000158552	zinc finger, AN1-type domain 2B [Source:HGNC Symbol;Acc:25206]	-1.05	1.7E-07

BACH1	ENSG00000156273	BTB and CNC homology 1, basic leucine zipper transcription factor 1 [Source:HGNC Symbol;Acc:935]	-1.35	1.7E-07
YWHAZ	ENSG00000164924	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta [Source:HGNC Symbol;Acc:12855]	-0.95	1.7E-07
PGM3	ENSG00000013375	phosphoglucomutase 3 [Source:HGNC Symbol;Acc:8907]	-0.91	1.7E-07
STK17A	ENSG00000164543	serine/threonine kinase 17a [Source:HGNC Symbol;Acc:11395]	-0.95	1.7E-07
GSKIP	ENSG00000100744	GSK3B interacting protein [Source:HGNC Symbol;Acc:20343]	-1.31	1.7E-07
TRPM4	ENSG00000130529	transient receptor potential cation channel, subfamily M, member 4 [Source:HGNC Symbol;Acc:17993]	-1.13	1.7E-07
PPP1R13L	ENSG00000104881	protein phosphatase 1, regulatory subunit 13 like [Source:HGNC Symbol;Acc:18838]	-1.23	1.8E-07
--	ENSG00000267078	--	-1.34	1.8E-07
PLEK2	ENSG00000100558	pleckstrin 2 [Source:HGNC Symbol;Acc:19238]	-0.66	1.8E-07
FAM63B	ENSG00000128923	family with sequence similarity 63, member B [Source:HGNC Symbol;Acc:26954]	-1.16	1.8E-07
SLC6A14	ENSG00000087916	solute carrier family 6 (amino acid transporter), member 14 [Source:HGNC Symbol;Acc:11047]	-1.30	1.8E-07
HSPA5	ENSG00000044574	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa) [Source:HGNC Symbol;Acc:5238]	-0.73	1.9E-07
TMEM65	ENSG00000164983	transmembrane protein 65 [Source:HGNC Symbol;Acc:25203]	-1.20	1.9E-07
MAP3K9	ENSG00000006432	mitogen-activated protein kinase kinase kinase 9 [Source:HGNC Symbol;Acc:6861]	-0.81	2.0E-07
FICD	ENSG00000198855	FIC domain containing [Source:HGNC Symbol;Acc:18416]	-0.95	2.0E-07
LONRF3	ENSG00000175556	LON peptidase N-terminal domain and ring finger 3 [Source:HGNC Symbol;Acc:21152]	-0.84	2.0E-07
SREBF2	ENSG00000198911	sterol regulatory element binding transcription factor 2 [Source:HGNC Symbol;Acc:11290]	-0.67	2.1E-07
PPP1R14C	ENSG00000198729	protein phosphatase 1, regulatory (inhibitor) subunit 14C [Source:HGNC Symbol;Acc:14952]	-1.27	2.1E-07

C6orf89	ENSG00000198663	chromosome 6 open reading frame 89 [Source:HGNC Symbol;Acc:21114]	-0.71	2.1E-07
--	ENSG00000233138	--	-1.73	2.1E-07
PPP1R18	ENSG00000146112	protein phosphatase 1, regulatory subunit 18 [Source:HGNC Symbol;Acc:29413]	-0.97	2.1E-07
TBC1D25	ENSG00000068354	TBC1 domain family, member 25 [Source:HGNC Symbol;Acc:8092]	-0.97	2.1E-07
TMC6	ENSG00000141524	transmembrane channel-like 6 [Source:HGNC Symbol;Acc:18021]	-1.16	2.1E-07
TBX15	ENSG00000092607	T-box 15 [Source:HGNC Symbol;Acc:11594]	-1.80	2.2E-07
--	ENSG00000269915	--	-1.33	2.2E-07
DEDD	ENSG00000158796	death effector domain containing [Source:HGNC Symbol;Acc:2755]	-0.67	2.2E-07
RAB8A	ENSG00000167461	RAB8A, member RAS oncogene family [Source:HGNC Symbol;Acc:7007]	-0.64	2.2E-07
ARHGAP40	ENSG00000124143	Rho GTPase activating protein 40 [Source:HGNC Symbol;Acc:16226]	-1.33	2.3E-07
TMUB2	ENSG00000168591	transmembrane and ubiquitin-like domain containing 2 [Source:HGNC Symbol;Acc:28459]	-0.78	2.3E-07
--	ENSG00000257743	Putative inactive maltase-glucoamylase-like protein LOC93432 [Source:UniProtKB/Swiss-Prot;Acc:Q2M2H8]	-1.43	2.3E-07
--	ENSG00000267139	--	-1.47	2.3E-07
C16orf72	ENSG00000182831	chromosome 16 open reading frame 72 [Source:HGNC Symbol;Acc:30103]	-1.00	2.4E-07
NCALD	ENSG00000104490	neurocalcin delta [Source:HGNC Symbol;Acc:7655]	-1.36	2.4E-07
C6orf106	ENSG00000196821	chromosome 6 open reading frame 106 [Source:HGNC Symbol;Acc:21215]	-0.85	2.5E-07
CORO1B	ENSG00000172725	coronin, actin binding protein, 1B [Source:HGNC Symbol;Acc:2253]	-1.26	2.6E-07
--	ENSG00000267566	--	-1.02	2.6E-07
EPS8L3	ENSG00000198758	EPS8-like 3 [Source:HGNC Symbol;Acc:21297]	-0.94	2.6E-07
NIPA1	ENSG00000170113	non imprinted in Prader-Willi/Angelman syndrome 1 [Source:HGNC Symbol;Acc:17043]	-0.81	2.6E-07

PCLO	ENSG00000186472	piccolo presynaptic cytomatrix protein [Source:HGNC Symbol;Acc:13406]	-1.28	2.6E-07
USP6NL	ENSG00000148429	USP6 N-terminal like [Source:HGNC Symbol;Acc:16858]	-0.89	2.7E-07
--	ENSG00000265263	--	-0.81	2.7E-07
HTR1D	ENSG00000179546	5-hydroxytryptamine (serotonin) receptor 1D, G protein-coupled [Source:HGNC Symbol;Acc:5289]	-0.97	2.7E-07
BTG1	ENSG00000133639	B-cell translocation gene 1, anti-proliferative [Source:HGNC Symbol;Acc:1130]	-0.81	2.7E-07
S100A9	ENSG00000163220	S100 calcium binding protein A9 [Source:HGNC Symbol;Acc:10499]	-1.31	2.7E-07
PARD6B	ENSG00000124171	par-6 family cell polarity regulator beta [Source:HGNC Symbol;Acc:16245]	-1.26	2.7E-07
HCG4B	ENSG00000227262	HLA complex group 4B (non-protein coding) [Source:HGNC Symbol;Acc:22919]	-1.55	2.7E-07
CD2AP	ENSG00000198087	CD2-associated protein [Source:HGNC Symbol;Acc:14258]	-1.25	2.8E-07
CSF2	ENSG00000164400	colony stimulating factor 2 (granulocyte-macrophage) [Source:HGNC Symbol;Acc:2434]	-2.07	2.8E-07
--	ENSG00000215769	hsa-mir-6080 [Source:miRBase;Acc:MI0020357]	-1.09	2.8E-07
--	ENSG00000268913	--	-1.15	2.8E-07
GPSM3	ENSG00000213654	G-protein signaling modulator 3 [Source:HGNC Symbol;Acc:13945]	-0.91	3.0E-07
SLC16A5	ENSG00000170190	solute carrier family 16 (monocarboxylate transporter), member 5 [Source:HGNC Symbol;Acc:10926]	-1.05	3.0E-07
LUZP1	ENSG00000169641	leucine zipper protein 1 [Source:HGNC Symbol;Acc:14985]	-0.88	3.0E-07
LDLRAD2	ENSG00000187942	low density lipoprotein receptor class A domain containing 2 [Source:HGNC Symbol;Acc:32071]	-1.25	3.0E-07
XRN1	ENSG00000114127	5'-3' exoribonuclease 1 [Source:HGNC Symbol;Acc:30654]	-1.18	3.0E-07
RYBP	ENSG00000163602	RING1 and YY1 binding protein [Source:HGNC Symbol;Acc:10480]	-0.91	3.0E-07
LITAF	ENSG00000189067	lipopolysaccharide-induced TNF factor [Source:HGNC Symbol;Acc:16841]	-0.90	3.0E-07



PLEKHM2	ENSG00000116786	pleckstrin homology domain containing, family M (with RUN domain) member 2 [Source:HGNC Symbol;Acc:29131]	-1.01	3.1E-07
CST6	ENSG00000175315	cystatin E/M [Source:HGNC Symbol;Acc:2478]	-1.40	3.1E-07
OSTM1	ENSG00000081087	osteopetrosis associated transmembrane protein 1 [Source:HGNC Symbol;Acc:21652]	-1.14	3.1E-07
COL5A3	ENSG00000080573	collagen, type V, alpha 3 [Source:HGNC Symbol;Acc:14864]	-1.62	3.2E-07
C9orf89	ENSG00000165233	chromosome 9 open reading frame 89 [Source:HGNC Symbol;Acc:28148]	-1.09	3.2E-07
MKNK1-AS1	ENSG00000269956	MKNK1 antisense RNA 1 [Source:HGNC Symbol;Acc:44129]	-1.11	3.2E-07
RASSF6	ENSG00000169435	Ras association (RalGDS/AF-6) domain family member 6 [Source:HGNC Symbol;Acc:20796]	-1.14	3.2E-07
PML	ENSG00000140464	promyelocytic leukemia [Source:HGNC Symbol;Acc:9113]	-1.01	3.2E-07
CLDN1	ENSG00000163347	claudin 1 [Source:HGNC Symbol;Acc:2032]	-0.89	3.2E-07
SLC16A4	ENSG00000168679	solute carrier family 16, member 4 [Source:HGNC Symbol;Acc:10925]	-1.24	3.3E-07
ACOX1	ENSG00000161533	acyl-CoA oxidase 1, palmitoyl [Source:HGNC Symbol;Acc:119]	-0.84	3.3E-07
SLC31A2	ENSG00000136867	solute carrier family 31 (copper transporter), member 2 [Source:HGNC Symbol;Acc:11017]	-0.97	3.3E-07
FBRS	ENSG00000156860	fibrosin [Source:HGNC Symbol;Acc:20442]	-1.06	3.3E-07
--	ENSG00000248771	--	-1.28	3.4E-07
IFI6	ENSG00000126709	interferon, alpha-inducible protein 6 [Source:HGNC Symbol;Acc:4054]	-0.93	3.4E-07
HAPLN3	ENSG00000140511	hyaluronan and proteoglycan link protein 3 [Source:HGNC Symbol;Acc:21446]	-1.27	3.4E-07
SEPP1	ENSG00000250722	selenoprotein P, plasma, 1 [Source:HGNC Symbol;Acc:10751]	-1.52	3.4E-07
SLC28A1	ENSG00000156222	solute carrier family 28 (concentrative nucleoside transporter), member 1 [Source:HGNC Symbol;Acc:11001]	-2.26	3.4E-07
PHLDA2	ENSG00000181649	pleckstrin homology-like domain, family A, member 2 [Source:HGNC Symbol;Acc:12385]	-1.44	3.5E-07
ANGPTL6	ENSG00000130812	angiopoietin-like 6 [Source:HGNC Symbol;Acc:23140]	-1.15	3.5E-07

CRTAC1	ENSG00000095713	cartilage acidic protein 1 [Source:HGNC Symbol;Acc:14882]	-1.95	3.5E-07
CNST	ENSG00000162852	consortin, connexin sorting protein [Source:HGNC Symbol;Acc:26486]	-0.84	3.5E-07
TMEM234	ENSG00000160055	transmembrane protein 234 [Source:HGNC Symbol;Acc:28837]	-0.90	3.5E-07
SOCS1	ENSG00000185338	suppressor of cytokine signaling 1 [Source:HGNC Symbol;Acc:19383]	-1.98	3.5E-07
NUMB	ENSG00000133961	numb homolog (Drosophila) [Source:HGNC Symbol;Acc:8060]	-0.74	3.6E-07
CLCN2	ENSG00000114859	chloride channel, voltage-sensitive 2 [Source:HGNC Symbol;Acc:2020]	-1.03	3.6E-07
--	ENSG00000271380	--	-1.05	3.6E-07
UBA1	ENSG00000130985	ubiquitin-like modifier activating enzyme 1 [Source:HGNC Symbol;Acc:12469]	-0.76	3.7E-07
CLDN23	ENSG00000253958	claudin 23 [Source:HGNC Symbol;Acc:17591]	-2.23	3.7E-07
PARD3	ENSG00000148498	par-3 family cell polarity regulator [Source:HGNC Symbol;Acc:16051]	-0.95	3.7E-07
NLRC5	ENSG00000140853	NLR family, CARD domain containing 5 [Source:HGNC Symbol;Acc:29933]	-0.82	3.7E-07
LINC01137	ENSG00000233621	long intergenic non-protein coding RNA 1137 [Source:HGNC Symbol;Acc:49453]	-0.98	3.7E-07
CTSD	ENSG00000117984	cathepsin D [Source:HGNC Symbol;Acc:2529]	-1.31	3.8E-07
HRCT1	ENSG00000196196	histidine rich carboxyl terminus 1 [Source:HGNC Symbol;Acc:33872]	-1.12	3.8E-07
KAT2B	ENSG00000114166	K(lysine) acetyltransferase 2B [Source:HGNC Symbol;Acc:8638]	-1.43	3.8E-07
C9orf169	ENSG00000197191	chromosome 9 open reading frame 169 [Source:HGNC Symbol;Acc:30529]	-1.32	3.8E-07
ATG2A	ENSG00000110046	autophagy related 2A [Source:HGNC Symbol;Acc:29028]	-1.22	3.9E-07
RTN4	ENSG00000115310	reticulon 4 [Source:HGNC Symbol;Acc:14085]	-0.81	4.0E-07
TBC1D22A	ENSG00000054611	TBC1 domain family, member 22A [Source:HGNC Symbol;Acc:1309]	-0.81	4.1E-07
GULP1	ENSG00000144366	GULP, engulfment adaptor PTB domain containing 1 [Source:HGNC Symbol;Acc:18649]	-1.27	4.1E-07
HIF1A	ENSG00000100644	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor) [Source:HGNC Symbol;Acc:4910]	-1.23	4.1E-07

AMPD3	ENSG00000133805	adenosine monophosphate deaminase 3 [Source:HGNC Symbol;Acc:470]	-0.71	4.2E-07
BZW1	ENSG00000082153	basic leucine zipper and W2 domains 1 [Source:HGNC Symbol;Acc:18380]	-1.00	4.2E-07
SPTAN1	ENSG00000197694	spectrin, alpha, non-erythrocytic 1 [Source:HGNC Symbol;Acc:11273]	-0.71	4.3E-07
DSG2	ENSG00000046604	desmoglein 2 [Source:HGNC Symbol;Acc:3049]	-1.18	4.4E-07
MESDC1	ENSG00000140406	mesoderm development candidate 1 [Source:HGNC Symbol;Acc:13519]	-0.94	4.6E-07
MAVS	ENSG00000088888	mitochondrial antiviral signaling protein [Source:HGNC Symbol;Acc:29233]	-0.98	4.6E-07
--	ENSG00000235772	--	-1.53	4.6E-07
MAP3K13	ENSG00000073803	mitogen-activated protein kinase kinase kinase 13 [Source:HGNC Symbol;Acc:6852]	-0.87	4.6E-07
CARD6	ENSG00000132357	caspace recruitment domain family, member 6 [Source:HGNC Symbol;Acc:16394]	-1.03	4.7E-07
--	ENSG00000269988	--	-0.96	4.8E-07
KMO	ENSG00000117009	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase) [Source:HGNC Symbol;Acc:6381]	-1.14	4.9E-07
WNT4	ENSG00000162552	wingless-type MMTV integration site family, member 4 [Source:HGNC Symbol;Acc:12783]	-2.18	4.9E-07
CLASP1	ENSG00000074054	cytoplasmic linker associated protein 1 [Source:HGNC Symbol;Acc:17088]	-0.74	4.9E-07
NYNRIN	ENSG00000205978	NYN domain and retroviral integrase containing [Source:HGNC Symbol;Acc:20165]	-0.77	5.0E-07
BCAP29	ENSG00000075790	B-cell receptor-associated protein 29 [Source:HGNC Symbol;Acc:24131]	-1.05	5.0E-07
GMIP	ENSG00000089639	GEM interacting protein [Source:HGNC Symbol;Acc:24852]	-1.12	5.0E-07
TRAF3IP2	ENSG00000056972	TRAF3 interacting protein 2 [Source:HGNC Symbol;Acc:1343]	-0.82	5.0E-07

FAM86DP	ENSG00000244026	family with sequence similarity 86, member D, pseudogene [Source:HGNC Symbol;Acc:32659]	-0.75	5.1E-07
MAP2K3	ENSG00000034152	mitogen-activated protein kinase kinase 3 [Source:HGNC Symbol;Acc:6843]	-0.96	5.1E-07
--	ENSG00000267165	--	-0.84	5.1E-07
TAB3	ENSG00000157625	TGF-beta activated kinase 1/MAP3K7 binding protein 3 [Source:HGNC Symbol;Acc:30681]	-0.97	5.1E-07
AHNAK2	ENSG00000185567	AHNAK nucleoprotein 2 [Source:HGNC Symbol;Acc:20125]	-0.94	5.2E-07
COX6B2	ENSG00000160471	cytochrome c oxidase subunit VIb polypeptide 2 (testis) [Source:HGNC Symbol;Acc:24380]	-1.25	5.2E-07
CPEB2	ENSG00000137449	cytoplasmic polyadenylation element binding protein 2 [Source:HGNC Symbol;Acc:21745]	-1.21	5.2E-07
OASL	ENSG00000135114	2'-5'-oligoadenylate synthetase-like [Source:HGNC Symbol;Acc:8090]	-1.01	5.3E-07
CYP4F3	ENSG00000186529	cytochrome P450, family 4, subfamily F, polypeptide 3 [Source:HGNC Symbol;Acc:2646]	-1.45	5.3E-07
SPTBN2	ENSG00000173898	spectrin, beta, non-erythrocytic 2 [Source:HGNC Symbol;Acc:11276]	-0.98	5.4E-07
WDR26	ENSG00000162923	WD repeat domain 26 [Source:HGNC Symbol;Acc:21208]	-0.77	5.4E-07
TM2D2	ENSG00000169490	TM2 domain containing 2 [Source:HGNC Symbol;Acc:24127]	-0.61	5.4E-07
MMP24-AS1	ENSG00000126005	MMP24 antisense RNA 1 [Source:HGNC Symbol;Acc:44421]	-1.22	5.4E-07
SP100	ENSG00000067066	SP100 nuclear antigen [Source:HGNC Symbol;Acc:11206]	-0.93	5.5E-07
IMPA1	ENSG00000133731	inositol(myo)-1(or 4)-monophosphatase 1 [Source:HGNC Symbol;Acc:6050]	-1.14	5.5E-07
SP110	ENSG00000135899	SP110 nuclear body protein [Source:HGNC Symbol;Acc:5401]	-0.94	5.6E-07
TAOK3	ENSG00000135090	TAO kinase 3 [Source:HGNC Symbol;Acc:18133]	-0.96	5.7E-07
ATXN1	ENSG00000124788	ataxin 1 [Source:HGNC Symbol;Acc:10548]	-0.97	5.8E-07
BDKRB1	ENSG00000100739	bradykinin receptor B1 [Source:HGNC Symbol;Acc:1029]	-1.74	5.8E-07
TRPC4AP	ENSG00000100991	transient receptor potential cation channel, subfamily C, member 4 associated protein [Source:HGNC Symbol;Acc:16181]	-0.72	5.9E-07

CYP4F2	ENSG00000186115	cytochrome P450, family 4, subfamily F, polypeptide 2 [Source:HGNC Symbol;Acc:2645]	-1.46	5.9E-07
MINK1	ENSG00000141503	misshapen-like kinase 1 [Source:HGNC Symbol;Acc:17565]	-0.88	6.0E-07
ITGB5	ENSG00000082781	integrin, beta 5 [Source:HGNC Symbol;Acc:6160]	-0.83	6.0E-07
MET	ENSG00000105976	met proto-oncogene [Source:HGNC Symbol;Acc:7029]	-1.03	6.0E-07
MAPK13	ENSG00000156711	mitogen-activated protein kinase 13 [Source:HGNC Symbol;Acc:6875]	-0.73	6.0E-07
--	ENSG00000251537	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:H0Y626]	-1.97	6.1E-07
LSR	ENSG00000105699	lipolysis stimulated lipoprotein receptor [Source:HGNC Symbol;Acc:29572]	-1.16	6.1E-07
RELA	ENSG00000173039	v-rel avian reticuloendotheliosis viral oncogene homolog A [Source:HGNC Symbol;Acc:9955]	-0.82	6.3E-07
HADHA	ENSG00000084754	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), alpha subunit [Source:HGNC Symbol;Acc:4801]	-0.65	6.4E-07
TPP1	ENSG00000166340	tripeptidyl peptidase I [Source:HGNC Symbol;Acc:2073]	-0.73	6.4E-07
UGP2	ENSG00000169764	UDP-glucose pyrophosphorylase 2 [Source:HGNC Symbol;Acc:12527]	-0.98	6.4E-07
CMTM3	ENSG00000140931	CKLF-like MARVEL transmembrane domain containing 3 [Source:HGNC Symbol;Acc:19174]	-1.53	6.5E-07
CACFD1	ENSG00000160325	calcium channel flower domain containing 1 [Source:HGNC Symbol;Acc:1365]	-1.27	6.5E-07
BAG3	ENSG00000151929	BCL2-associated athanogene 3 [Source:HGNC Symbol;Acc:939]	-0.67	6.5E-07
WWC3	ENSG00000047644	WWC family member 3 [Source:HGNC Symbol;Acc:29237]	-0.76	6.6E-07
RAB24	ENSG00000169228	RAB24, member RAS oncogene family [Source:HGNC Symbol;Acc:9765]	-1.35	6.6E-07
CD63	ENSG00000135404	CD63 molecule [Source:HGNC Symbol;Acc:1692]	-0.85	6.8E-07
CARD10	ENSG00000100065	caspase recruitment domain family, member 10 [Source:HGNC Symbol;Acc:16422]	-1.20	6.8E-07
FRMD8	ENSG00000126391	FERM domain containing 8 [Source:HGNC Symbol;Acc:25462]	-1.02	6.9E-07
CAPNS1	ENSG00000126247	calpain, small subunit 1 [Source:HGNC Symbol;Acc:1481]	-0.83	6.9E-07

C18orf8	ENSG00000141452	chromosome 18 open reading frame 8 [Source:HGNC Symbol;Acc:24326]	-0.94	7.0E-07
PPAP2A	ENSG00000067113	phosphatidic acid phosphatase type 2A [Source:HGNC Symbol;Acc:9228]	-0.68	7.2E-07
APAF1	ENSG00000120868	apoptotic peptidase activating factor 1 [Source:HGNC Symbol;Acc:576]	-0.83	7.3E-07
DYNLT1	ENSG00000146425	dynein, light chain, Tctex-type 1 [Source:HGNC Symbol;Acc:11697]	-0.68	7.3E-07
KIAA0232	ENSG00000170871	KIAA0232 [Source:HGNC Symbol;Acc:28992]	-0.79	7.5E-07
DDIT4	ENSG00000168209	DNA-damage-inducible transcript 4 [Source:HGNC Symbol;Acc:24944]	-1.04	7.6E-07
FAM107B	ENSG00000065809	family with sequence similarity 107, member B [Source:HGNC Symbol;Acc:23726]	-1.01	7.6E-07
SEC31A	ENSG00000138674	SEC31 homolog A ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:17052]	-0.68	7.6E-07
SLC6A7	ENSG00000011083	solute carrier family 6 (neurotransmitter transporter), member 7 [Source:HGNC Symbol;Acc:11054]	-1.42	7.9E-07
KCP	ENSG00000135253	kielin/chordin-like protein [Source:HGNC Symbol;Acc:17585]	-1.11	8.1E-07
COL28A1	ENSG00000215018	collagen, type XXVIII, alpha 1 [Source:HGNC Symbol;Acc:22442]	-0.95	8.2E-07
GCGR	ENSG00000215644	glucagon receptor [Source:HGNC Symbol;Acc:4192]	-2.09	8.2E-07
ANTXR2	ENSG00000163297	anthrax toxin receptor 2 [Source:HGNC Symbol;Acc:21732]	-1.14	8.5E-07
PTPN1	ENSG00000196396	protein tyrosine phosphatase, non-receptor type 1 [Source:HGNC Symbol;Acc:9642]	-0.68	8.6E-07
GRB10	ENSG00000106070	growth factor receptor-bound protein 10 [Source:HGNC Symbol;Acc:4564]	-0.65	8.6E-07
ASAP1	ENSG00000153317	ArfGAP with SH3 domain, ankyrin repeat and PH domain 1 [Source:HGNC Symbol;Acc:2720]	-1.10	8.8E-07
ANXA13	ENSG00000104537	annexin A13 [Source:HGNC Symbol;Acc:536]	-1.14	8.8E-07
RHOBTB1	ENSG00000072422	Rho-related BTB domain containing 1 [Source:HGNC Symbol;Acc:18738]	-1.52	9.0E-07

FAM83G	ENSG00000188522	family with sequence similarity 83, member G [Source:HGNC Symbol;Acc:32554]	-1.09	9.0E-07
--	ENSG00000269926	--	-0.98	9.0E-07
NEU1	ENSG00000204386	sialidase 1 (lysosomal sialidase) [Source:HGNC Symbol;Acc:7758]	-0.73	9.0E-07
INSIG2	ENSG00000125629	insulin induced gene 2 [Source:HGNC Symbol;Acc:20452]	-0.86	9.1E-07
MICA	ENSG00000204520	MHC class I polypeptide-related sequence A [Source:HGNC Symbol;Acc:7090]	-0.88	9.1E-07
MILR1	ENSG00000271605	mast cell immunoglobulin-like receptor 1 [Source:HGNC Symbol;Acc:27570]	-1.21	9.3E-07
UBE2B	ENSG00000119048	ubiquitin-conjugating enzyme E2B [Source:HGNC Symbol;Acc:12473]	-0.95	9.3E-07
B3GNT2	ENSG00000170340	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2 [Source:HGNC Symbol;Acc:15629]	-1.02	9.4E-07
SLC27A4	ENSG00000167114	solute carrier family 27 (fatty acid transporter), member 4 [Source:HGNC Symbol;Acc:10998]	-0.97	9.5E-07
CEP170B	ENSG00000099814	centrosomal protein 170B [Source:HGNC Symbol;Acc:20362]	-1.16	9.6E-07
TCP11L2	ENSG00000166046	t-complex 11, testis-specific-like 2 [Source:HGNC Symbol;Acc:28627]	-1.14	9.6E-07
--	ENSG00000254815	--	-1.34	9.7E-07
ITSN2	ENSG00000198399	intersectin 2 [Source:HGNC Symbol;Acc:6184]	-1.00	9.7E-07
AHDC1	ENSG00000126705	AT hook, DNA binding motif, containing 1 [Source:HGNC Symbol;Acc:25230]	-0.90	9.8E-07
GPR132	ENSG00000183484	G protein-coupled receptor 132 [Source:HGNC Symbol;Acc:17482]	-1.27	9.8E-07
GTF2B	ENSG00000137947	general transcription factor IIB [Source:HGNC Symbol;Acc:4648]	-0.76	9.9E-07
TAB2	ENSG00000055208	TGF-beta activated kinase 1/MAP3K7 binding protein 2 [Source:HGNC Symbol;Acc:17075]	-1.01	1.0E-06
PPFIA1	ENSG00000131626	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha 1 [Source:HGNC Symbol;Acc:9245]	-0.68	1.0E-06
--	ENSG00000182319	Tyrosine-protein kinase Sgk223 [Source:UniProtKB/Swiss-Prot;Acc:Q86YV5]	-0.73	1.0E-06
ANKRD50	ENSG00000151458	ankyrin repeat domain 50 [Source:HGNC Symbol;Acc:29223]	-1.11	1.0E-06

STXBP5	ENSG00000164506	syntaxin binding protein 5 (tomosyn) [Source:HGNC Symbol;Acc:19665]	-1.07	1.0E-06
S100A4	ENSG00000196154	S100 calcium binding protein A4 [Source:HGNC Symbol;Acc:10494]	-0.81	1.0E-06
GBA2	ENSG00000070610	glucosidase, beta (bile acid) 2 [Source:HGNC Symbol;Acc:18986]	-0.88	1.1E-06
--	ENSG00000225964	--	-1.90	1.1E-06
IRS2	ENSG00000185950	insulin receptor substrate 2 [Source:HGNC Symbol;Acc:6126]	-1.17	1.1E-06
LDLRAP1	ENSG00000157978	low density lipoprotein receptor adaptor protein 1 [Source:HGNC Symbol;Acc:18640]	-0.78	1.1E-06
IL1RAP	ENSG00000196083	interleukin 1 receptor accessory protein [Source:HGNC Symbol;Acc:5995]	-1.09	1.1E-06
SETX	ENSG00000107290	senataxin [Source:HGNC Symbol;Acc:445]	-0.70	1.1E-06
MIR221	ENSG00000207870	microRNA 221 [Source:HGNC Symbol;Acc:31601]	-2.12	1.1E-06
STXBP2	ENSG00000076944	syntaxin binding protein 2 [Source:HGNC Symbol;Acc:11445]	-1.20	1.1E-06
WDR13	ENSG00000101940	WD repeat domain 13 [Source:HGNC Symbol;Acc:14352]	-1.10	1.1E-06
--	ENSG00000244491	--	-1.19	1.1E-06
TMCC1	ENSG00000172765	transmembrane and coiled-coil domain family 1 [Source:HGNC Symbol;Acc:29116]	-0.82	1.1E-06
CALML4	ENSG00000129007	calmodulin-like 4 [Source:HGNC Symbol;Acc:18445]	-0.76	1.1E-06
SAMD4A	ENSG00000020577	sterile alpha motif domain containing 4A [Source:HGNC Symbol;Acc:23023]	-0.82	1.1E-06
APOL6	ENSG00000221963	apolipoprotein L, 6 [Source:HGNC Symbol;Acc:14870]	-0.97	1.1E-06
--	ENSG00000261332	--	-2.92	1.2E-06
SPAG4	ENSG00000061656	sperm associated antigen 4 [Source:HGNC Symbol;Acc:11214]	-0.99	1.2E-06
MARK2	ENSG00000072518	MAP/microtubule affinity-regulating kinase 2 [Source:HGNC Symbol;Acc:3332]	-0.86	1.2E-06
SI	ENSG00000090402	sucrase-isomaltase (alpha-glucosidase) [Source:HGNC Symbol;Acc:10856]	-1.53	1.2E-06
PIP5K1A	ENSG00000143398	phosphatidylinositol-4-phosphate 5-kinase, type I, alpha [Source:HGNC Symbol;Acc:8994]	-0.67	1.2E-06



FBXO6	ENSG00000116663	F-box protein 6 [Source:HGNC Symbol;Acc:13585] eukaryotic translation initiation factor 4E family member 3	-1.04	1.2E-06
EIF4E3	ENSG00000163412	[Source:HGNC Symbol;Acc:31837] pleckstrin homology domain containing, family H (with MyTH4	-0.87	1.2E-06
PLEKHH3	ENSG00000068137	domain) member 3 [Source:HGNC Symbol;Acc:26105]	-1.15	1.2E-06
ZFAND5	ENSG00000107372	zinc finger, AN1-type domain 5 [Source:HGNC Symbol;Acc:13008] suppressor of variegation 4-20 homolog 1 (Drosophila) [Source:HGNC	-0.78	1.2E-06
SUV420H1	ENSG00000110066	Symbol;Acc:24283]	-0.75	1.2E-06
LARGE	ENSG00000133424	like-glycosyltransferase [Source:HGNC Symbol;Acc:6511] breast carcinoma amplified sequence 1 [Source:HGNC	-0.73	1.2E-06
BCAS1	ENSG00000064787	Symbol;Acc:974]	-0.96	1.3E-06
DRAM2	ENSG00000156171	DNA-damage regulated autophagy modulator 2 [Source:HGNC Symbol;Acc:28769]	-0.77	1.3E-06
AIFM2	ENSG00000042286	apoptosis-inducing factor, mitochondrion-associated, 2 [Source:HGNC Symbol;Acc:21411]	-0.92	1.3E-06
ACOT11	ENSG00000162390	acyl-CoA thioesterase 11 [Source:HGNC Symbol;Acc:18156]	-1.05	1.3E-06
MXRA8	ENSG00000162576	matrix-remodelling associated 8 [Source:HGNC Symbol;Acc:7542]	-1.47	1.3E-06
--	ENSG00000229502	--	-1.66	1.3E-06
KIAA0556	ENSG00000047578	KIAA0556 [Source:HGNC Symbol;Acc:29068] Bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 2	-0.68	1.3E-06
--	ENSG00000272916	[Source:UniProtKB/TrEMBL;Acc:S4R438] cerebellar degeneration-related protein 2-like [Source:HGNC	-1.29	1.3E-06
CDR2L	ENSG00000109089	Symbol;Acc:29999]	-0.91	1.4E-06
CDYL	ENSG00000153046	chromodomain protein, Y-like [Source:HGNC Symbol;Acc:1811]	-0.77	1.4E-06
SYT5	ENSG00000129990	synaptotagmin V [Source:HGNC Symbol;Acc:11513] wingless-type MMTV integration site family, member 7B	-2.80	1.4E-06
WNT7B	ENSG00000188064	[Source:HGNC Symbol;Acc:12787]	-0.88	1.4E-06
ZMYND8	ENSG00000101040	zinc finger, MYND-type containing 8 [Source:HGNC Symbol;Acc:9397]	-0.64	1.4E-06

RAB3GAP1	ENSG00000115839	RAB3 GTPase activating protein subunit 1 (catalytic) [Source:HGNC Symbol;Acc:17063]	-0.77	1.4E-06
SGPL1	ENSG00000166224	sphingosine-1-phosphate lyase 1 [Source:HGNC Symbol;Acc:10817]	-0.74	1.4E-06
COL9A2	ENSG00000049089	collagen, type IX, alpha 2 [Source:HGNC Symbol;Acc:2218]	-1.48	1.4E-06
ZNF189	ENSG00000136870	zinc finger protein 189 [Source:HGNC Symbol;Acc:12980]	-0.76	1.4E-06
NEURL3	ENSG00000163121	neuralized E3 ubiquitin protein ligase 3 [Source:HGNC Symbol;Acc:25162]	-1.27	1.5E-06
CDKN2A	ENSG00000147889	cyclin-dependent kinase inhibitor 2A [Source:HGNC Symbol;Acc:1787]	-1.31	1.5E-06
GALNT1	ENSG00000141429	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 1 (GalNAc-T1) [Source:HGNC Symbol;Acc:4123]	-1.12	1.5E-06
SOWAHB	ENSG00000186212	sosondowah ankyrin repeat domain family member B [Source:HGNC Symbol;Acc:32958]	-1.36	1.5E-06
ZER1	ENSG00000160445	zyg-11 related, cell cycle regulator [Source:HGNC Symbol;Acc:30960]	-0.81	1.5E-06
CD151	ENSG00000177697	CD151 molecule (Raph blood group) [Source:HGNC Symbol;Acc:1630]	-0.90	1.5E-06
SERPINE2	ENSG00000135919	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2 [Source:HGNC Symbol;Acc:8951]	-0.70	1.5E-06
RASA4	ENSG00000105808	RAS p21 protein activator 4 [Source:HGNC Symbol;Acc:23181]	-0.97	1.5E-06
HYI	ENSG00000178922	hydroxypyruvate isomerase (putative) [Source:HGNC Symbol;Acc:26948]	-1.11	1.6E-06
PI4K2A	ENSG00000155252	phosphatidylinositol 4-kinase type 2 alpha [Source:HGNC Symbol;Acc:30031]	-0.85	1.6E-06
CLCN1	ENSG00000188037	chloride channel, voltage-sensitive 1 [Source:HGNC Symbol;Acc:2019]	-1.57	1.6E-06
HPSE	ENSG00000173083	heparanase [Source:HGNC Symbol;Acc:5164]	-0.90	1.6E-06
RIPK4	ENSG00000183421	receptor-interacting serine-threonine kinase 4 [Source:HGNC Symbol;Acc:496]	-0.98	1.6E-06

ATP2B1	ENSG00000070961	ATPase, Ca <sup>++</sup> transporting, plasma membrane 1 [Source:HGNC Symbol;Acc:814]	-0.91	1.6E-06
ATXN7L3	ENSG00000087152	ataxin 7-like 3 [Source:HGNC Symbol;Acc:25416]	-0.77	1.6E-06
HSD11B2	ENSG00000176387	hydroxysteroid (11-beta) dehydrogenase 2 [Source:HGNC Symbol;Acc:5209]	-1.09	1.6E-06
PITRM1	ENSG00000107959	pitrilysin metallopeptidase 1 [Source:HGNC Symbol;Acc:17663]	-0.59	1.6E-06
TBC1D10A	ENSG00000099992	TBC1 domain family, member 10A [Source:HGNC Symbol;Acc:23609]	-1.17	1.6E-06
--	ENSG00000257452	--	-1.20	1.6E-06
CDV3	ENSG00000091527	CDV3 homolog (mouse) [Source:HGNC Symbol;Acc:26928]	-0.81	1.7E-06
PDZK1	ENSG00000174827	PDZ domain containing 1 [Source:HGNC Symbol;Acc:8821]	-1.12	1.7E-06
S100P	ENSG00000163993	S100 calcium binding protein P [Source:HGNC Symbol;Acc:10504]	-0.89	1.7E-06
BCL2L2	ENSG00000129473	BCL2-like 2 [Source:HGNC Symbol;Acc:995]	-0.67	1.7E-06
ARHGDI	ENSG00000141522	Rho GDP dissociation inhibitor (GDI) alpha [Source:HGNC Symbol;Acc:678]	-1.11	1.7E-06
ZNF702P	ENSG00000242779	zinc finger protein 702, pseudogene [Source:HGNC Symbol;Acc:25775]	-1.18	1.7E-06
EPB41L5	ENSG00000115109	erythrocyte membrane protein band 4.1 like 5 [Source:HGNC Symbol;Acc:19819]	-0.82	1.7E-06
RARG	ENSG00000172819	retinoic acid receptor, gamma [Source:HGNC Symbol;Acc:9866]	-0.88	1.8E-06
TNFRSF12A	ENSG00000006327	tumor necrosis factor receptor superfamily, member 12A [Source:HGNC Symbol;Acc:18152]	-1.11	1.8E-06
EPB41L1	ENSG00000088367	erythrocyte membrane protein band 4.1-like 1 [Source:HGNC Symbol;Acc:3378]	-0.56	1.8E-06
MAPKAPK2	ENSG00000162889	mitogen-activated protein kinase-activated protein kinase 2 [Source:HGNC Symbol;Acc:6887]	-0.71	1.8E-06
--	ENSG00000255182	--	-1.60	1.8E-06
GCSAM	ENSG00000174500	germinal center-associated, signaling and motility [Source:HGNC Symbol;Acc:20253]	-1.08	1.8E-06
TOM1L2	ENSG00000175662	target of myb1-like 2 (chicken) [Source:HGNC Symbol;Acc:11984]	-0.90	1.8E-06

CARHSP1	ENSG00000153048	calcium regulated heat stable protein 1, 24kDa [Source:HGNC Symbol;Acc:17150]	-0.75	1.8E-06
SAA4	ENSG00000148965	serum amyloid A4, constitutive [Source:HGNC Symbol;Acc:10516]	-1.93	1.8E-06
ARHGAP1	ENSG00000175220	Rho GTPase activating protein 1 [Source:HGNC Symbol;Acc:673]	-0.76	1.9E-06
DDIT3	ENSG00000175197	DNA-damage-inducible transcript 3 [Source:HGNC Symbol;Acc:2726]	-1.10	1.9E-06
NIT1	ENSG00000158793	nitrilase 1 [Source:HGNC Symbol;Acc:7828]	-0.76	1.9E-06
IGF2BP2	ENSG00000073792	insulin-like growth factor 2 mRNA binding protein 2 [Source:HGNC Symbol;Acc:28867]	-0.78	1.9E-06
ANK3	ENSG00000151150	ankyrin 3, node of Ranvier (ankyrin G) [Source:HGNC Symbol;Acc:494]	-1.20	1.9E-06
SAV1	ENSG00000151748	salvador homolog 1 (Drosophila) [Source:HGNC Symbol;Acc:17795]	-1.06	1.9E-06
KLK6	ENSG00000167755	kallikrein-related peptidase 6 [Source:HGNC Symbol;Acc:6367]	-0.67	1.9E-06
HERPUD1	ENSG00000051108	homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1 [Source:HGNC Symbol;Acc:13744]	-0.82	1.9E-06
TNFSF10	ENSG00000121858	tumor necrosis factor (ligand) superfamily, member 10 [Source:HGNC Symbol;Acc:11925]	-1.33	2.0E-06
SHH	ENSG00000164690	sonic hedgehog [Source:HGNC Symbol;Acc:10848]	-0.91	2.0E-06
--	ENSG00000262211	--	-1.64	2.0E-06
MAPK8	ENSG00000107643	mitogen-activated protein kinase 8 [Source:HGNC Symbol;Acc:6881]	-0.88	2.0E-06
VPS37B	ENSG00000139722	vacuolar protein sorting 37 homolog B (S. cerevisiae) [Source:HGNC Symbol;Acc:25754]	-0.88	2.0E-06
TBX19	ENSG00000143178	T-box 19 [Source:HGNC Symbol;Acc:11596]	-1.16	2.0E-06
MARVELD2	ENSG00000152939	MARVEL domain containing 2 [Source:HGNC Symbol;Acc:26401]	-0.82	2.0E-06
TET3	ENSG00000187605	tet methylcytosine dioxygenase 3 [Source:HGNC Symbol;Acc:28313]	-0.65	2.1E-06
HIST1H3E	ENSG00000196966	histone cluster 1, H3e [Source:HGNC Symbol;Acc:4769]	-1.40	2.1E-06
ABHD12B	ENSG00000131969	abhydrolase domain containing 12B [Source:HGNC Symbol;Acc:19837]	-0.66	2.1E-06
ANXA3	ENSG00000138772	annexin A3 [Source:HGNC Symbol;Acc:541]	-0.95	2.1E-06
TOM1	ENSG00000100284	target of myb1 (chicken) [Source:HGNC Symbol;Acc:11982]	-1.08	2.1E-06

FAM126B	ENSG00000155744	family with sequence similarity 126, member B [Source:HGNC Symbol;Acc:28593]	-1.11	2.1E-06
MGAT1	ENSG00000131446	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase [Source:HGNC Symbol;Acc:7044]	-0.79	2.1E-06
RMND5A	ENSG00000153561	required for meiotic nuclear division 5 homolog A ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:25850]	-0.81	2.1E-06
BLCAP	ENSG00000166619	bladder cancer associated protein [Source:HGNC Symbol;Acc:1055]	-0.63	2.1E-06
IDS	ENSG00000010404	iduronate 2-sulfatase [Source:HGNC Symbol;Acc:5389]	-0.91	2.1E-06
RPN2	ENSG00000118705	ribophorin II [Source:HGNC Symbol;Acc:10382]	-0.70	2.2E-06
--	ENSG00000259357	--	-0.68	2.2E-06
MXI1	ENSG00000119950	MAX interactor 1, dimerization protein [Source:HGNC Symbol;Acc:7534]	-1.17	2.2E-06
WLS	ENSG00000116729	wntless Wnt ligand secretion mediator [Source:HGNC Symbol;Acc:30238]	-0.69	2.2E-06
MB21D2	ENSG00000180611	Mab-21 domain containing 2 [Source:HGNC Symbol;Acc:30438]	-1.18	2.2E-06
MYH9	ENSG00000100345	myosin, heavy chain 9, non-muscle [Source:HGNC Symbol;Acc:7579]	-0.66	2.2E-06
GPR153	ENSG00000158292	G protein-coupled receptor 153 [Source:HGNC Symbol;Acc:23618]	-0.91	2.2E-06
SERINC1	ENSG00000111897	serine incorporator 1 [Source:HGNC Symbol;Acc:13464]	-1.03	2.2E-06
UBXN11	ENSG00000158062	UBX domain protein 11 [Source:HGNC Symbol;Acc:30600]	-1.36	2.2E-06
FLCN	ENSG00000154803	folliculin [Source:HGNC Symbol;Acc:27310]	-0.74	2.3E-06
ITFG1	ENSG00000129636	integrin alpha FG-GAP repeat containing 1 [Source:HGNC Symbol;Acc:30697]	-1.05	2.3E-06
RALGAPB	ENSG00000170471	Ral GTPase activating protein, beta subunit (non-catalytic) [Source:HGNC Symbol;Acc:29221]	-0.76	2.3E-06
TAPSAR1	ENSG00000204261	TAP1 and PSMB8 antisense RNA 1 [Source:HGNC Symbol;Acc:39758]	-0.75	2.3E-06
CCL15	ENSG00000267596	chemokine (C-C motif) ligand 15 [Source:HGNC Symbol;Acc:10613]	-1.43	2.3E-06
COBL	ENSG00000106078	cordons-bleus WH2 repeat protein [Source:HGNC Symbol;Acc:22199]	-0.81	2.3E-06
HN1	ENSG00000189159	hematological and neurological expressed 1 [Source:HGNC Symbol;Acc:14569]	-0.67	2.3E-06

PCBP1-AS1	ENSG00000179818	PCBP1 antisense RNA 1 [Source:HGNC Symbol;Acc:42948]	-0.63	2.3E-06
ITM2B	ENSG00000136156	integral membrane protein 2B [Source:HGNC Symbol;Acc:6174]	-0.78	2.4E-06
BNIP3L	ENSG00000104765	BCL2/adenovirus E1B 19kDa interacting protein 3-like [Source:HGNC Symbol;Acc:1085]	-1.09	2.4E-06
PKIG	ENSG00000168734	protein kinase (cAMP-dependent, catalytic) inhibitor gamma [Source:HGNC Symbol;Acc:9019]	-0.79	2.4E-06
H3F3B	ENSG00000132475	H3 histone, family 3B (H3.3B) [Source:HGNC Symbol;Acc:4765]	-0.57	2.4E-06
ARF4	ENSG00000168374	ADP-ribosylation factor 4 [Source:HGNC Symbol;Acc:655]	-0.67	2.5E-06
SYNGR3	ENSG00000127561	synaptogyrin 3 [Source:HGNC Symbol;Acc:11501]	-1.16	2.5E-06
GINM1	ENSG00000055211	glycoprotein integral membrane 1 [Source:HGNC Symbol;Acc:21074]	-0.92	2.5E-06
CHMP1A	ENSG00000131165	charged multivesicular body protein 1A [Source:HGNC Symbol;Acc:8740]	-0.96	2.5E-06
PNRC1	ENSG00000146278	proline-rich nuclear receptor coactivator 1 [Source:HGNC Symbol;Acc:17278]	-0.89	2.5E-06
--	ENSG00000267282	--	-1.51	2.5E-06
SLK	ENSG00000065613	STE20-like kinase [Source:HGNC Symbol;Acc:11088]	-1.06	2.6E-06
NT5E	ENSG00000135318	5'-nucleotidase, ecto (CD73) [Source:HGNC Symbol;Acc:8021]	-1.08	2.6E-06
ATP6V0D1	ENSG00000159720	ATPase, H <sup>+</sup> transporting, lysosomal 38kDa, V0 subunit d1 [Source:HGNC Symbol;Acc:13724]	-0.86	2.6E-06
ZNF841	ENSG00000197608	zinc finger protein 841 [Source:HGNC Symbol;Acc:27611]	-0.76	2.7E-06
RSPH3	ENSG00000130363	radial spoke 3 homolog (Chlamydomonas) [Source:HGNC Symbol;Acc:21054]	-0.81	2.7E-06
TADA2B	ENSG00000173011	transcriptional adaptor 2B [Source:HGNC Symbol;Acc:30781]	-0.66	2.7E-06
SLC26A6	ENSG00000225697	solute carrier family 26 (anion exchanger), member 6 [Source:HGNC Symbol;Acc:14472]	-0.82	2.7E-06
PPP1CA	ENSG00000172531	protein phosphatase 1, catalytic subunit, alpha isozyme [Source:HGNC Symbol;Acc:9281]	-0.76	2.7E-06
CYP2S1	ENSG00000167600	cytochrome P450, family 2, subfamily S, polypeptide 1 [Source:HGNC Symbol;Acc:15654]	-0.79	2.7E-06

EDEM1	ENSG00000134109	ER degradation enhancer, mannosidase alpha-like 1 [Source:HGNC Symbol;Acc:18967]	-0.95	2.7E-06
ARL8B	ENSG00000134108	ADP-ribosylation factor-like 8B [Source:HGNC Symbol;Acc:25564]	-0.87	2.7E-06
--	ENSG00000204876	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E9PBC9]	-0.77	2.8E-06
PLEKHN1	ENSG00000187583	pleckstrin homology domain containing, family N member 1 [Source:HGNC Symbol;Acc:25284]	-1.29	2.8E-06
ARHGEF16	ENSG00000130762	Rho guanine nucleotide exchange factor (GEF) 16 [Source:HGNC Symbol;Acc:15515]	-1.09	2.8E-06
AGFG1	ENSG00000173744	ArfGAP with FG repeats 1 [Source:HGNC Symbol;Acc:5175]	-0.83	2.8E-06
COG5	ENSG00000164597	component of oligomeric golgi complex 5 [Source:HGNC Symbol;Acc:14857]	-0.78	2.8E-06
MAPRE2	ENSG00000166974	microtubule-associated protein, RP/EB family, member 2 [Source:HGNC Symbol;Acc:6891]	-0.75	2.8E-06
LMO2	ENSG00000135363	LIM domain only 2 (rhombotin-like 1) [Source:HGNC Symbol;Acc:6642]	-1.36	2.9E-06
SWT1	ENSG00000116668	SWT1 RNA endoribonuclease homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:16785]	-1.22	2.9E-06
MLPH	ENSG00000115648	melanophilin [Source:HGNC Symbol;Acc:29643]	-0.90	2.9E-06
ARF3	ENSG00000134287	ADP-ribosylation factor 3 [Source:HGNC Symbol;Acc:654]	-0.50	2.9E-06
TNS3	ENSG00000136205	tensin 3 [Source:HGNC Symbol;Acc:21616]	-0.69	2.9E-06
RPS6KA1	ENSG00000117676	ribosomal protein S6 kinase, 90kDa, polypeptide 1 [Source:HGNC Symbol;Acc:10430]	-0.82	2.9E-06
APLP2	ENSG00000084234	amyloid beta (A4) precursor-like protein 2 [Source:HGNC Symbol;Acc:598]	-0.69	3.0E-06
CLK3	ENSG00000179335	CDC-like kinase 3 [Source:HGNC Symbol;Acc:2071]	-0.79	3.0E-06
SERPINB6	ENSG00000124570	serpin peptidase inhibitor, clade B (ovalbumin), member 6 [Source:HGNC Symbol;Acc:8950]	-0.64	3.0E-06
CYLD	ENSG00000083799	cylindromatosis (turban tumor syndrome) [Source:HGNC Symbol;Acc:2584]	-0.93	3.0E-06

SSH3	ENSG00000172830	slingshot protein phosphatase 3 [Source:HGNC Symbol;Acc:30581] SUN domain containing ossification factor [Source:HGNC Symbol;Acc:1240]	-0.89	3.1E-06
SUCO	ENSG00000094975	cytoplasmic FMR1 interacting protein 1 [Source:HGNC Symbol;Acc:13759]	-0.86	3.1E-06
CYFIP1	ENSG00000068793	exocyst complex component 7 [Source:HGNC Symbol;Acc:23214]	-0.56	3.2E-06
EXOC7	ENSG00000182473	microtubule-actin crosslinking factor 1 [Source:HGNC Symbol;Acc:13664]	-0.74	3.2E-06
MACF1	ENSG00000127603	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:K7ENX0]	-0.66	3.2E-06
--	ENSG00000266956	cryptochrome 2 (photolyase-like) [Source:HGNC Symbol;Acc:2385]	-1.77	3.2E-06
CRY2	ENSG00000121671	inositol polyphosphate-4-phosphatase, type I, 107kDa [Source:HGNC Symbol;Acc:6074]	-0.70	3.2E-06
INPP4A	ENSG00000040933	N-myc downstream regulated 1 [Source:HGNC Symbol;Acc:7679]	-0.74	3.2E-06
NDRG1	ENSG00000104419	ubiquitin specific peptidase 32 [Source:HGNC Symbol;Acc:19143]	-1.18	3.2E-06
USP32	ENSG00000170832	Yip1 domain family, member 1 [Source:HGNC Symbol;Acc:25231]	-0.84	3.3E-06
YIPF1	ENSG00000058799	ATPase, class VI, type 11B [Source:HGNC Symbol;Acc:13553]	-0.69	3.3E-06
ATP11B	ENSG00000058063	transmembrane protein 44 [Source:HGNC Symbol;Acc:25120]	-1.03	3.3E-06
TMEM44	ENSG00000145014	phosphatidylinositol-4-phosphate 5-kinase, type I, beta [Source:HGNC Symbol;Acc:8995]	-0.77	3.3E-06
PIP5K1B	ENSG00000107242	KIAA1551 [Source:HGNC Symbol;Acc:25559]	-1.11	3.4E-06
KIAA1551	ENSG00000174718	Shwachman-Bodian-Diamond syndrome [Source:HGNC Symbol;Acc:19440]	-0.84	3.4E-06
SBDS	ENSG00000126524	KIAA2026 [Source:HGNC Symbol;Acc:23378]	-0.81	3.4E-06
KIAA2026	ENSG00000183354	nuclear receptor coactivator 6 [Source:HGNC Symbol;Acc:15936]	-0.85	3.4E-06
NCOA6	ENSG00000198646	eukaryotic translation initiation factor 2-alpha kinase 3 [Source:HGNC Symbol;Acc:3255]	-0.63	3.4E-06
EIF2AK3	ENSG00000172071	MHC class I polypeptide-related sequence E (pseudogene) [Source:HGNC Symbol;Acc:7094]	-0.73	3.4E-06
MICE	ENSG00000273340		-1.57	3.4E-06



LDHAP4	ENSG00000214110	lactate dehydrogenase A pseudogene 4 [Source:HGNC Symbol;Acc:6539]	-1.10	3.5E-06
BLZF1	ENSG00000117475	basic leucine zipper nuclear factor 1 [Source:HGNC Symbol;Acc:1065]	-1.01	3.5E-06
GBA	ENSG00000177628	glucosidase, beta, acid [Source:HGNC Symbol;Acc:4177]	-0.92	3.5E-06
TLN1	ENSG00000137076	talin 1 [Source:HGNC Symbol;Acc:11845]	-0.76	3.5E-06
ARID3B	ENSG00000179361	AT rich interactive domain 3B (BRIGHT-like) [Source:HGNC Symbol;Acc:14350]	-1.12	3.5E-06
DCDC2B	ENSG00000222046	doublecortin domain containing 2B [Source:HGNC Symbol;Acc:32576]	-1.18	3.6E-06
HIST1H2BG	ENSG00000187990	histone cluster 1, H2bg [Source:HGNC Symbol;Acc:4746]	-1.51	3.6E-06
--	ENSG00000257653	--	-0.77	3.6E-06
S100A10	ENSG00000197747	S100 calcium binding protein A10 [Source:HGNC Symbol;Acc:10487]	-0.77	3.7E-06
--	ENSG00000236662	--	-1.12	3.7E-06
ACP2	ENSG00000134575	acid phosphatase 2, lysosomal [Source:HGNC Symbol;Acc:123]	-0.66	3.7E-06
SHOC2	ENSG00000108061	soc-2 suppressor of clear homolog (C. elegans) [Source:HGNC Symbol;Acc:15454]	-0.98	3.7E-06
AMIGO2	ENSG00000139211	adhesion molecule with Ig-like domain 2 [Source:HGNC Symbol;Acc:24073]	-1.02	3.8E-06
PSMD6-AS2	ENSG00000239653	PSMD6 antisense RNA 2 [Source:HGNC Symbol;Acc:44125]	-1.47	3.8E-06
SLC2A6	ENSG00000160326	solute carrier family 2 (facilitated glucose transporter), member 6 [Source:HGNC Symbol;Acc:11011]	-1.21	3.9E-06
TMEM229B	ENSG00000198133	transmembrane protein 229B [Source:HGNC Symbol;Acc:20130]	-0.81	3.9E-06
CASP9	ENSG00000132906	caspase 9, apoptosis-related cysteine peptidase [Source:HGNC Symbol;Acc:1511]	-0.97	3.9E-06
--	ENSG00000267555	--	-1.87	3.9E-06
--	ENSG00000251136	--	-0.80	3.9E-06
DOPEY1	ENSG00000083097	dopey family member 1 [Source:HGNC Symbol;Acc:21194]	-0.68	3.9E-06
KLF2	ENSG00000127528	Kruppel-like factor 2 [Source:HGNC Symbol;Acc:6347]	-1.24	3.9E-06
--	ENSG00000271020	--	-1.25	3.9E-06

KPNA7	ENSG00000185467	karyopherin alpha 7 (importin alpha 8) [Source:HGNC Symbol;Acc:21839]	-1.11	3.9E-06
HPCAL1	ENSG00000115756	hippocalcin-like 1 [Source:HGNC Symbol;Acc:5145]	-0.90	4.0E-06
CAMTA2	ENSG00000108509	calmodulin binding transcription activator 2 [Source:HGNC Symbol;Acc:18807]	-0.87	4.0E-06
HERC6	ENSG00000138642	HECT and RLD domain containing E3 ubiquitin protein ligase family member 6 [Source:HGNC Symbol;Acc:26072]	-1.00	4.1E-06
FRK	ENSG00000111816	fyn-related kinase [Source:HGNC Symbol;Acc:3955]	-1.03	4.2E-06
PAFAH1B1	ENSG00000007168	platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kDa) [Source:HGNC Symbol;Acc:8574]	-0.73	4.2E-06
KCNH2	ENSG00000055118	potassium voltage-gated channel, subfamily H (eag-related), member 2 [Source:HGNC Symbol;Acc:6251]	-1.02	4.2E-06
SLC17A5	ENSG00000119899	solute carrier family 17 (acidic sugar transporter), member 5 [Source:HGNC Symbol;Acc:10933]	-0.91	4.3E-06
TRIM40	ENSG00000204614	tripartite motif containing 40 [Source:HGNC Symbol;Acc:18736]	-1.93	4.3E-06
PARP4	ENSG00000102699	poly (ADP-ribose) polymerase family, member 4 [Source:HGNC Symbol;Acc:271]	-0.94	4.3E-06
XPNPEP2	ENSG00000122121	X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound [Source:HGNC Symbol;Acc:12823]	-1.85	4.3E-06
SLC8A2	ENSG00000118160	solute carrier family 8 (sodium/calcium exchanger), member 2 [Source:HGNC Symbol;Acc:11069]	-1.39	4.3E-06
--	ENSG00000255498	--	-1.44	4.4E-06
CAPZA1	ENSG00000116489	capping protein (actin filament) muscle Z-line, alpha 1 [Source:HGNC Symbol;Acc:1488]	-0.81	4.4E-06
SSFA2	ENSG00000138434	sperm specific antigen 2 [Source:HGNC Symbol;Acc:11319]	-0.95	4.4E-06
ELL2	ENSG00000118985	elongation factor, RNA polymerase II, 2 [Source:HGNC Symbol;Acc:17064]	-0.88	4.4E-06
HIST2H2BE	ENSG00000184678	histone cluster 2, H2be [Source:HGNC Symbol;Acc:4760]	-0.92	4.5E-06
SLC23A3	ENSG00000213901	solute carrier family 23, member 3 [Source:HGNC Symbol;Acc:20601]	-1.17	4.5E-06

HSD11B1	ENSG00000117594	hydroxysteroid (11-beta) dehydrogenase 1 [Source:HGNC Symbol;Acc:5208]	-1.59	4.5E-06
ARID3A	ENSG00000116017	AT rich interactive domain 3A (BRIGHT-like) [Source:HGNC Symbol;Acc:3031]	-0.97	4.5E-06
--	ENSG00000228113	--	-1.52	4.6E-06
TRAF4	ENSG00000076604	TNF receptor-associated factor 4 [Source:HGNC Symbol;Acc:12034]	-1.00	4.6E-06
RAB7A	ENSG00000075785	RAB7A, member RAS oncogene family [Source:HGNC Symbol;Acc:9788]	-0.55	4.6E-06
STX18	ENSG00000168818	syntaxin 18 [Source:HGNC Symbol;Acc:15942]	-0.57	4.6E-06
GALE	ENSG00000117308	UDP-galactose-4-epimerase [Source:HGNC Symbol;Acc:4116]	-0.89	4.7E-06
GIT2	ENSG00000139436	G protein-coupled receptor kinase interacting ArfGAP 2 [Source:HGNC Symbol;Acc:4273]	-0.64	4.7E-06
MICU1	ENSG00000107745	mitochondrial calcium uptake 1 [Source:HGNC Symbol;Acc:1530]	-0.68	4.7E-06
CARNS1	ENSG00000172508	carnosine synthase 1 [Source:HGNC Symbol;Acc:29268]	-1.80	4.7E-06
NRBP2	ENSG00000185189	nuclear receptor binding protein 2 [Source:HGNC Symbol;Acc:19339]	-0.84	4.8E-06
--	ENSG00000261687	--	-0.72	4.9E-06
C10orf12	ENSG00000155640	chromosome 10 open reading frame 12 [Source:HGNC Symbol;Acc:23420]	-0.95	5.1E-06
SP1	ENSG00000185591	Sp1 transcription factor [Source:HGNC Symbol;Acc:11205]	-0.63	5.1E-06
PLA2G12B	ENSG00000138308	phospholipase A2, group XIIB [Source:HGNC Symbol;Acc:18555]	-1.84	5.1E-06
DYSF	ENSG00000135636	dysferlin [Source:HGNC Symbol;Acc:3097]	-1.63	5.2E-06
PCGF3	ENSG00000185619	polycomb group ring finger 3 [Source:HGNC Symbol;Acc:10066]	-0.59	5.3E-06
CYP2B6	ENSG00000197408	cytochrome P450, family 2, subfamily B, polypeptide 6 [Source:HGNC Symbol;Acc:2615]	-0.96	5.3E-06
MFSD6	ENSG00000151690	major facilitator superfamily domain containing 6 [Source:HGNC Symbol;Acc:24711]	-0.89	5.3E-06
ARRDC4	ENSG00000140450	arrestin domain containing 4 [Source:HGNC Symbol;Acc:28087]	-1.11	5.3E-06
RNPEPL1	ENSG00000142327	arginyl aminopeptidase (aminopeptidase B)-like 1 [Source:HGNC Symbol;Acc:10079]	-1.10	5.3E-06

AATK	ENSG00000181409	apoptosis-associated tyrosine kinase [Source:HGNC Symbol;Acc:21] G protein-coupled receptor, family C, group 5, member D	-1.30	5.4E-06
GPRC5D	ENSG00000111291	[Source:HGNC Symbol;Acc:13310] discs, large (Drosophila) homolog-associated protein 4 [Source:HGNC	-1.72	5.5E-06
DLGAP4	ENSG00000080845	Symbol;Acc:24476]	-0.77	5.6E-06
EXT2	ENSG00000151348	exostosin glycosyltransferase 2 [Source:HGNC Symbol;Acc:3513]	-0.74	5.6E-06
ZNF432	ENSG00000256087	zinc finger protein 432 [Source:HGNC Symbol;Acc:20810]	-0.93	5.6E-06
N4BP3	ENSG00000145911	NEDD4 binding protein 3 [Source:HGNC Symbol;Acc:29852] mitogen-activated protein kinase kinase 2 [Source:HGNC	-1.19	5.6E-06
MAP2K2	ENSG00000126934	Symbol;Acc:6842]	-1.02	5.7E-06
YPEL2	ENSG00000175155	yippee-like 2 (Drosophila) [Source:HGNC Symbol;Acc:18326] autocrine motility factor receptor, E3 ubiquitin protein ligase	-1.07	5.7E-06
AMFR	ENSG00000159461	[Source:HGNC Symbol;Acc:463] N-ethylmaleimide-sensitive factor attachment protein, gamma	-0.64	5.9E-06
NAPG	ENSG00000134265	[Source:HGNC Symbol;Acc:7642]	-0.82	5.9E-06
SLA2	ENSG00000101082	Src-like-adaptor 2 [Source:HGNC Symbol;Acc:17329] T-cell, immune regulator 1, ATPase, H <sup>+</sup> transporting, lysosomal V0	-0.58	5.9E-06
TCIRG1	ENSG00000110719	subunit A3 [Source:HGNC Symbol;Acc:11647] protein phosphatase 2, regulatory subunit B, delta [Source:HGNC	-1.17	5.9E-06
PPP2R2D	ENSG00000175470	Symbol;Acc:23732] zinc finger, FYVE domain containing 26 [Source:HGNC	-0.67	6.0E-06
ZFYVE26	ENSG00000072121	Symbol;Acc:20761]	-0.65	6.0E-06
DGAT1	ENSG00000185000	diacylglycerol O-acyltransferase 1 [Source:HGNC Symbol;Acc:2843]	-1.12	6.0E-06
TFEB	ENSG00000112561	transcription factor EB [Source:HGNC Symbol;Acc:11753]	-1.23	6.0E-06
PCBP4	ENSG00000090097	poly(rC) binding protein 4 [Source:HGNC Symbol;Acc:8652]	-1.15	6.1E-06
TPST2	ENSG00000128294	tyrosylprotein sulfotransferase 2 [Source:HGNC Symbol;Acc:12021] calmin (calponin-like, transmembrane) [Source:HGNC	-0.66	6.1E-06
CLMN	ENSG00000165959	Symbol;Acc:19972]	-0.86	6.1E-06

FAM3A	ENSG00000071889	family with sequence similarity 3, member A [Source:HGNC Symbol;Acc:13749]	-0.96	6.1E-06
SLC30A10	ENSG00000196660	solute carrier family 30, member 10 [Source:HGNC Symbol;Acc:25355]	-2.91	6.1E-06
GAB1	ENSG00000109458	GRB2-associated binding protein 1 [Source:HGNC Symbol;Acc:4066]	-1.01	6.1E-06
BCL2L13	ENSG00000099968	BCL2-like 13 (apoptosis facilitator) [Source:HGNC Symbol;Acc:17164]	-0.59	6.1E-06
FZD5	ENSG00000163251	frizzled family receptor 5 [Source:HGNC Symbol;Acc:4043]	-0.73	6.2E-06
OR2A7	ENSG00000243896	olfactory receptor, family 2, subfamily A, member 7 [Source:HGNC Symbol;Acc:8234]	-1.88	6.2E-06
C5orf30	ENSG00000181751	chromosome 5 open reading frame 30 [Source:HGNC Symbol;Acc:25052]	-0.99	6.2E-06
MIR24-2	ENSG00000267519	microRNA 24-2 [Source:HGNC Symbol;Acc:31608]	-0.95	6.3E-06
PGLYRP4	ENSG00000163218	peptidoglycan recognition protein 4 [Source:HGNC Symbol;Acc:30015]	-1.00	6.3E-06
PAOX	ENSG00000148832	polyamine oxidase (exo-N4-amino) [Source:HGNC Symbol;Acc:20837]	-0.96	6.5E-06
FNBP1	ENSG00000187239	formin binding protein 1 [Source:HGNC Symbol;Acc:17069]	-1.00	6.5E-06
HMCN2	ENSG00000148357	hemicentin 2 [Source:HGNC Symbol;Acc:21293]	-2.09	6.5E-06
--	ENSG00000268475	--	-1.55	6.7E-06
CDKN2B-AS1	ENSG00000240498	CDKN2B antisense RNA 1 [Source:HGNC Symbol;Acc:34341]	-1.44	6.7E-06
MX2	ENSG00000183486	myxovirus (influenza virus) resistance 2 (mouse) [Source:HGNC Symbol;Acc:7533]	-1.08	6.7E-06
MX1	ENSG00000157601	myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse) [Source:HGNC Symbol;Acc:7532]	-0.83	6.7E-06
GCOM1	ENSG00000137878	GRINL1A complex locus 1 [Source:HGNC Symbol;Acc:26424]	-2.10	6.8E-06
R3HCC1L	ENSG00000166024	R3H domain and coiled-coil containing 1-like [Source:HGNC Symbol;Acc:23512]	-0.84	6.8E-06
HMGCL	ENSG00000117305	3-hydroxymethyl-3-methylglutaryl-CoA lyase [Source:HGNC Symbol;Acc:5005]	-0.68	7.0E-06

SLC35A2	ENSG00000102100	solute carrier family 35 (UDP-galactose transporter), member A2 [Source:HGNC Symbol;Acc:11022]	-0.71	7.1E-06
PGAM2	ENSG00000164708	phosphoglycerate mutase 2 (muscle) [Source:HGNC Symbol;Acc:8889]	-1.54	7.3E-06
WDR45B	ENSG00000141580	WD repeat domain 45B [Source:HGNC Symbol;Acc:25072]	-0.54	7.3E-06
FANK1	ENSG00000203780	fibronectin type III and ankyrin repeat domains 1 [Source:HGNC Symbol;Acc:23527]	-1.20	7.3E-06
YKT6	ENSG00000106636	YKT6 v-SNARE homolog ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:16959]	-0.81	7.3E-06
--	ENSG00000261553	--	-2.07	7.4E-06
SOS2	ENSG00000100485	son of sevenless homolog 2 ( <i>Drosophila</i> ) [Source:HGNC Symbol;Acc:11188]	-1.14	7.4E-06
SLC22A31	ENSG00000259803	solute carrier family 22, member 31 [Source:HGNC Symbol;Acc:27091]	-2.27	7.5E-06
MSLN	ENSG00000102854	mesothelin [Source:HGNC Symbol;Acc:7371]	-1.09	7.6E-06
BNIP2	ENSG00000140299	BCL2/adenovirus E1B 19kDa interacting protein 2 [Source:HGNC Symbol;Acc:1083]	-0.90	7.7E-06
ZCCHC24	ENSG00000165424	zinc finger, CCHC domain containing 24 [Source:HGNC Symbol;Acc:26911]	-0.89	7.7E-06
ABAT	ENSG00000183044	4-aminobutyrate aminotransferase [Source:HGNC Symbol;Acc:23]	-1.30	7.8E-06
TRIM14	ENSG00000106785	tripartite motif containing 14 [Source:HGNC Symbol;Acc:16283]	-0.67	7.8E-06
IGFN1	ENSG00000163395	immunoglobulin-like and fibronectin type III domain containing 1 [Source:HGNC Symbol;Acc:24607]	-2.11	7.9E-06
SCEL	ENSG00000136155	sciellin [Source:HGNC Symbol;Acc:10573]	-1.22	8.1E-06
TBC1D1	ENSG00000065882	TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1 [Source:HGNC Symbol;Acc:11578]	-0.66	8.1E-06
PRKD2	ENSG00000105287	protein kinase D2 [Source:HGNC Symbol;Acc:17293]	-0.95	8.1E-06
TMEM8A	ENSG00000129925	transmembrane protein 8A [Source:HGNC Symbol;Acc:17205]	-1.03	8.1E-06

UBE2J1	ENSG00000198833	ubiquitin-conjugating enzyme E2, J1 [Source:HGNC Symbol;Acc:17598]	-0.71	8.1E-06
MYO5B	ENSG00000167306	myosin VB [Source:HGNC Symbol;Acc:7603]	-0.96	8.1E-06
LINC00854	ENSG00000236383	long intergenic non-protein coding RNA 854 [Source:HGNC Symbol;Acc:43658]	-1.38	8.2E-06
ADIPOR1	ENSG00000159346	adiponectin receptor 1 [Source:HGNC Symbol;Acc:24040]	-0.57	8.3E-06
RABGGTA	ENSG00000100949	Rab geranylgeranyltransferase, alpha subunit [Source:HGNC Symbol;Acc:9795]	-0.93	8.3E-06
CCDC69	ENSG00000198624	coiled-coil domain containing 69 [Source:HGNC Symbol;Acc:24487]	-1.07	8.4E-06
--	ENSG00000272100	--	-1.02	8.6E-06
PPARG	ENSG00000132170	peroxisome proliferator-activated receptor gamma [Source:HGNC Symbol;Acc:9236]	-0.89	8.7E-06
AVIL	ENSG00000135407	advillin [Source:HGNC Symbol;Acc:14188]	-1.10	8.9E-06
VAPA	ENSG00000101558	VAMP (vesicle-associated membrane protein)-associated protein A, 33kDa [Source:HGNC Symbol;Acc:12648]	-0.75	9.0E-06
SDR39U1	ENSG00000100445	short chain dehydrogenase/reductase family 39U, member 1 [Source:HGNC Symbol;Acc:20275]	-0.57	9.2E-06
DYRK2	ENSG00000127334	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2 [Source:HGNC Symbol;Acc:3093]	-0.96	9.2E-06
PACS1	ENSG00000175115	phosphofurin acidic cluster sorting protein 1 [Source:HGNC Symbol;Acc:30032]	-0.72	9.2E-06
INSR	ENSG00000171105	insulin receptor [Source:HGNC Symbol;Acc:6091]	-0.63	9.3E-06
SLC46A3	ENSG00000139508	solute carrier family 46, member 3 [Source:HGNC Symbol;Acc:27501]	-0.86	9.3E-06
MFGE8	ENSG00000140545	milk fat globule-EGF factor 8 protein [Source:HGNC Symbol;Acc:7036]	-1.03	9.4E-06
MAP3K11	ENSG00000173327	mitogen-activated protein kinase kinase kinase 11 [Source:HGNC Symbol;Acc:6850]	-1.16	9.4E-06
MCU	ENSG00000156026	mitochondrial calcium uniporter [Source:HGNC Symbol;Acc:23526]	-0.74	9.5E-06
HDAC7	ENSG00000061273	histone deacetylase 7 [Source:HGNC Symbol;Acc:14067]	-0.89	9.7E-06

ALPP	ENSG00000163283	alkaline phosphatase, placental [Source:HGNC Symbol;Acc:439]	-1.12	9.8E-06
--	ENSG00000261780	--	-1.08	9.9E-06
RBM5	ENSG00000003756	RNA binding motif protein 5 [Source:HGNC Symbol;Acc:9902]	-0.61	1.0E-05
TNFRSF10A	ENSG00000104689	tumor necrosis factor receptor superfamily, member 10a [Source:HGNC Symbol;Acc:11904]	-0.69	1.0E-05
TRNAU1AP	ENSG00000180098	tRNA selenocysteine 1 associated protein 1 [Source:HGNC Symbol;Acc:30813]	-0.76	1.0E-05
ANXA2P2	ENSG00000231991	annexin A2 pseudogene 2 [Source:HGNC Symbol;Acc:539]	-1.71	1.0E-05
PAEP	ENSG00000122133	progestagen-associated endometrial protein [Source:HGNC Symbol;Acc:8573]	-1.02	1.0E-05
NAPA	ENSG00000105402	N-ethylmaleimide-sensitive factor attachment protein, alpha [Source:HGNC Symbol;Acc:7641]	-0.81	1.0E-05
RIPK2	ENSG00000104312	receptor-interacting serine-threonine kinase 2 [Source:HGNC Symbol;Acc:10020]	-0.77	1.0E-05
RAB1B	ENSG00000174903	RAB1B, member RAS oncogene family [Source:HGNC Symbol;Acc:18370]	-0.77	1.1E-05
CCNI	ENSG00000118816	cyclin I [Source:HGNC Symbol;Acc:1595]	-1.06	1.1E-05
STK40	ENSG00000196182	serine/threonine kinase 40 [Source:HGNC Symbol;Acc:21373]	-0.95	1.1E-05
ABI1	ENSG00000136754	abl-interactor 1 [Source:HGNC Symbol;Acc:11320]	-0.77	1.1E-05
ULBP2	ENSG00000131015	UL16 binding protein 2 [Source:HGNC Symbol;Acc:14894]	-0.92	1.1E-05
MDK	ENSG00000110492	midkine (neurite growth-promoting factor 2) [Source:HGNC Symbol;Acc:6972]	-0.94	1.1E-05
ARL4A	ENSG00000122644	ADP-ribosylation factor-like 4A [Source:HGNC Symbol;Acc:695]	-0.89	1.1E-05
--	ENSG00000268292	--	-0.88	1.1E-05
NAPA-AS1	ENSG00000268061	NAPA antisense RNA 1 [Source:HGNC Symbol;Acc:44118]	-0.91	1.1E-05
LINC00483	ENSG00000167117	long intergenic non-protein coding RNA 483 [Source:HGNC Symbol;Acc:26080]	-0.93	1.1E-05
FUT11	ENSG00000196968	fucosyltransferase 11 (alpha (1,3) fucosyltransferase) [Source:HGNC Symbol;Acc:19233]	-0.91	1.1E-05



MYO18A	ENSG00000196535	myosin XVIII A [Source:HGNC Symbol;Acc:31104] inhibitor of growth family, member 2 [Source:HGNC Symbol;Acc:6063]	-0.85	1.1E-05
ING2	ENSG00000168556	Symbol;Acc:6063]	-0.70	1.1E-05
SNX11	ENSG00000002919	sorting nexin 11 [Source:HGNC Symbol;Acc:14975]	-0.75	1.1E-05
ADAM10	ENSG00000137845	ADAM metallopeptidase domain 10 [Source:HGNC Symbol;Acc:188]	-0.93	1.1E-05
ZNF513	ENSG00000163795	zinc finger protein 513 [Source:HGNC Symbol;Acc:26498]	-1.10	1.1E-05
MFNG	ENSG00000100060	MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase [Source:HGNC Symbol;Acc:7038]	-1.57	1.1E-05
BRPF3	ENSG00000096070	bromodomain and PHD finger containing, 3 [Source:HGNC Symbol;Acc:14256]	-0.77	1.1E-05
IKBKE	ENSG00000143466	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon [Source:HGNC Symbol;Acc:14552]	-0.76	1.1E-05
CEBPG	ENSG00000153879	CCAAT/enhancer binding protein (C/EBP), gamma [Source:HGNC Symbol;Acc:1837]	-0.59	1.1E-05
MTM1	ENSG00000171100	myotubularin 1 [Source:HGNC Symbol;Acc:7448]	-1.07	1.2E-05
IGFBP3	ENSG00000146674	insulin-like growth factor binding protein 3 [Source:HGNC Symbol;Acc:5472]	-1.31	1.2E-05
MTRNR2L12	ENSG00000269028	MT-RNR2-like 12 (pseudogene) [Source:HGNC Symbol;Acc:37169]	-2.20	1.2E-05
NME7	ENSG00000143156	NME/NM23 family member 7 [Source:HGNC Symbol;Acc:20461]	-0.94	1.2E-05
GCH1	ENSG00000131979	GTP cyclohydrolase 1 [Source:HGNC Symbol;Acc:4193]	-0.75	1.2E-05
IL15RA	ENSG00000134470	interleukin 15 receptor, alpha [Source:HGNC Symbol;Acc:5978]	-0.76	1.2E-05
--	ENSG00000258150	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:F8VVB4]	-1.78	1.2E-05
CARS-AS1	ENSG00000247473	CARS antisense RNA 1 [Source:HGNC Symbol;Acc:40125]	-0.99	1.2E-05
CTSA	ENSG00000064601	cathepsin A [Source:HGNC Symbol;Acc:9251]	-0.68	1.2E-05
--	ENSG00000267551	--	-1.30	1.2E-05
GNG12	ENSG00000172380	guanine nucleotide binding protein (G protein), gamma 12 [Source:HGNC Symbol;Acc:19663]	-1.06	1.2E-05
--	ENSG00000224063	--	-1.58	1.3E-05

SHANK2	ENSG00000162105	SH3 and multiple ankyrin repeat domains 2 [Source:HGNC Symbol;Acc:14295]	-0.78	1.3E-05
SSBP3	ENSG00000157216	single stranded DNA binding protein 3 [Source:HGNC Symbol;Acc:15674]	-0.51	1.3E-05
WIPI1	ENSG00000070540	WD repeat domain, phosphoinositide interacting 1 [Source:HGNC Symbol;Acc:25471]	-0.64	1.3E-05
SERAC1	ENSG00000122335	serine active site containing 1 [Source:HGNC Symbol;Acc:21061]	-0.83	1.3E-05
PPP6R1	ENSG00000105063	protein phosphatase 6, regulatory subunit 1 [Source:HGNC Symbol;Acc:29195]	-0.83	1.3E-05
KIRREL	ENSG00000183853	kin of IRRE like (Drosophila) [Source:HGNC Symbol;Acc:15734]	-0.97	1.3E-05
APH1A	ENSG00000117362	APH1A gamma secretase subunit [Source:HGNC Symbol;Acc:29509]	-0.60	1.3E-05
CREB3L1	ENSG00000157613	cAMP responsive element binding protein 3-like 1 [Source:HGNC Symbol;Acc:18856]	-0.74	1.3E-05
RPS6KA2	ENSG00000071242	ribosomal protein S6 kinase, 90kDa, polypeptide 2 [Source:HGNC Symbol;Acc:10431]	-0.77	1.3E-05
MED16	ENSG00000175221	mediator complex subunit 16 [Source:HGNC Symbol;Acc:17556]	-1.15	1.3E-05
SECISBP2L	ENSG00000138593	SECIS binding protein 2-like [Source:HGNC Symbol;Acc:28997]	-0.97	1.3E-05
PFDN1	ENSG00000113068	prefoldin subunit 1 [Source:HGNC Symbol;Acc:8866]	-0.54	1.3E-05
OR52K3P	ENSG00000225101	olfactory receptor, family 52, subfamily K, member 3 pseudogene [Source:HGNC Symbol;Acc:15224]	-1.75	1.4E-05
DPH3	ENSG00000154813	diphthamide biosynthesis 3 [Source:HGNC Symbol;Acc:27717]	-0.75	1.4E-05
CNEP1R1	ENSG00000205423	CTD nuclear envelope phosphatase 1 regulatory subunit 1 [Source:HGNC Symbol;Acc:26759]	-0.76	1.4E-05
CTNNAL1	ENSG00000119326	catenin (cadherin-associated protein), alpha-like 1 [Source:HGNC Symbol;Acc:2512]	-0.90	1.4E-05
PSEN2	ENSG00000143801	presenilin 2 (Alzheimer disease 4) [Source:HGNC Symbol;Acc:9509]	-0.77	1.4E-05
LAMTOR3	ENSG00000109270	late endosomal/lysosomal adaptor, MAPK and MTOR activator 3 [Source:HGNC Symbol;Acc:15606]	-0.80	1.4E-05
--	ENSG00000261367	--	-1.80	1.4E-05

SEC24D	ENSG00000150961	SEC24 family member D [Source:HGNC Symbol;Acc:10706]	-0.75	1.4E-05
SEPT8	ENSG00000164402	septin 8 [Source:HGNC Symbol;Acc:16511]	-0.60	1.4E-05
DNAJB2	ENSG00000135924	DnaJ (Hsp40) homolog, subfamily B, member 2 [Source:HGNC Symbol;Acc:5228]	-0.97	1.4E-05
--	ENSG00000223458	--	-2.75	1.4E-05
KLHL34	ENSG00000185915	kelch-like family member 34 [Source:HGNC Symbol;Acc:26634]	-1.86	1.4E-05
SEMA3C	ENSG00000075223	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C [Source:HGNC Symbol;Acc:10725]	-1.18	1.5E-05
--	ENSG00000259773	--	-1.57	1.5E-05
--	ENSG00000269145	--	-1.16	1.5E-05
EVPL	ENSG00000167880	envoplakin [Source:HGNC Symbol;Acc:3503]	-0.95	1.5E-05
--	ENSG00000259409	--	-1.35	1.5E-05
FAM134B	ENSG00000154153	family with sequence similarity 134, member B [Source:HGNC Symbol;Acc:25964]	-1.07	1.5E-05
SLC35C1	ENSG00000181830	solute carrier family 35 (GDP-fucose transporter), member C1 [Source:HGNC Symbol;Acc:20197]	-0.85	1.6E-05
NEURL1B	ENSG00000214357	neuralized E3 ubiquitin protein ligase 1B [Source:HGNC Symbol;Acc:35422]	-0.54	1.6E-05
CNKSR3	ENSG00000153721	CNKSR family member 3 [Source:HGNC Symbol;Acc:23034]	-0.76	1.6E-05
PPARA	ENSG00000186951	peroxisome proliferator-activated receptor alpha [Source:HGNC Symbol;Acc:9232]	-0.65	1.6E-05
OR7E14P	ENSG00000184669	olfactory receptor, family 7, subfamily E, member 14 pseudogene [Source:HGNC Symbol;Acc:8385]	-1.00	1.6E-05
SLC11A1	ENSG00000018280	solute carrier family 11 (proton-coupled divalent metal ion transporter), member 1 [Source:HGNC Symbol;Acc:10907]	-1.16	1.6E-05
MYO9B	ENSG00000099331	myosin IXB [Source:HGNC Symbol;Acc:7609]	-0.88	1.6E-05
ARPC1B	ENSG00000130429	actin related protein 2/3 complex, subunit 1B, 41kDa [Source:HGNC Symbol;Acc:704]	-0.72	1.6E-05

FAM32A	ENSG00000105058	family with sequence similarity 32, member A [Source:HGNC Symbol;Acc:24563]	-0.57	1.7E-05
HUS1	ENSG00000136273	HUS1 checkpoint homolog (S. pombe) [Source:HGNC Symbol;Acc:5309]	-0.68	1.7E-05
--	ENSG00000254732	--	-1.57	1.7E-05
FTLP14	ENSG00000260459	ferritin, light polypeptide pseudogene 14 [Source:HGNC Symbol;Acc:37964]	-1.40	1.7E-05
CCDC152	ENSG00000198865	coiled-coil domain containing 152 [Source:HGNC Symbol;Acc:34438]	-1.53	1.7E-05
PLCB3	ENSG00000149782	phospholipase C, beta 3 (phosphatidylinositol-specific) [Source:HGNC Symbol;Acc:9056]	-0.82	1.7E-05
TCTEX1D4	ENSG00000188396	Tctex1 domain containing 4 [Source:HGNC Symbol;Acc:32315]	-1.76	1.7E-05
TIMP1	ENSG00000102265	TIMP metalloproteinase inhibitor 1 [Source:HGNC Symbol;Acc:11820]	-0.89	1.8E-05
PGK1	ENSG00000102144	phosphoglycerate kinase 1 [Source:HGNC Symbol;Acc:8896]	-0.81	1.8E-05
ZFYVE27	ENSG00000155256	zinc finger, FYVE domain containing 27 [Source:HGNC Symbol;Acc:26559]	-0.83	1.8E-05
ABHD12	ENSG00000100997	abhydrolase domain containing 12 [Source:HGNC Symbol;Acc:15868]	-0.56	1.8E-05
CHMP5	ENSG00000086065	charged multivesicular body protein 5 [Source:HGNC Symbol;Acc:26942]	-0.85	1.8E-05
MB	ENSG00000198125	myoglobin [Source:HGNC Symbol;Acc:6915]	-1.49	1.8E-05
LEPROT	ENSG00000213625	leptin receptor overlapping transcript [Source:HGNC Symbol;Acc:29477]	-0.84	1.8E-05
BHLHE40-AS	ENSG00000235831	BHLHE40 antisense RNA 1 [Source:HGNC Symbol;Acc:44471]	-1.44	1.8E-05
ABCC5	ENSG00000114770	ATP-binding cassette, sub-family C (CFTR/MRP), member 5 [Source:HGNC Symbol;Acc:56]	-0.72	1.9E-05
--	ENSG00000113811	Selenoprotein K [Source:UniProtKB/Swiss-Prot;Acc:Q9Y6D0]	-0.70	1.9E-05
DNAJB11	ENSG00000090520	DnaJ (Hsp40) homolog, subfamily B, member 11 [Source:HGNC Symbol;Acc:14889]	-0.57	1.9E-05
MAF	ENSG00000178573	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog [Source:HGNC Symbol;Acc:6776]	-1.14	1.9E-05

LINC00520	ENSG00000258791	long intergenic non-protein coding RNA 520 [Source:HGNC Symbol;Acc:19843]	-1.39	1.9E-05
MNT	ENSG00000070444	MAX network transcriptional repressor [Source:HGNC Symbol;Acc:7188]	-0.75	1.9E-05
--	ENSG00000262831	--	-1.02	1.9E-05
UBALD2	ENSG00000185262	UBA-like domain containing 2 [Source:HGNC Symbol;Acc:28438]	-0.84	1.9E-05
--	ENSG00000238164	--	-0.99	1.9E-05
C19orf10	ENSG00000074842	chromosome 19 open reading frame 10 [Source:HGNC Symbol;Acc:16948]	-0.83	1.9E-05
ZNF710	ENSG00000140548	zinc finger protein 710 [Source:HGNC Symbol;Acc:25352]	-0.77	1.9E-05
ETV7	ENSG00000010030	ets variant 7 [Source:HGNC Symbol;Acc:18160]	-0.59	2.0E-05
CBLB	ENSG00000114423	Cbl proto-oncogene B, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:1542]	-0.72	2.0E-05
LEMD2	ENSG00000161904	LEM domain containing 2 [Source:HGNC Symbol;Acc:21244]	-0.70	2.0E-05
--	ENSG00000227484	--	-1.58	2.0E-05
ATG9A	ENSG00000198925	autophagy related 9A [Source:HGNC Symbol;Acc:22408]	-0.77	2.0E-05
MSANTD3	ENSG00000066697	Myb/SANT-like DNA-binding domain containing 3 [Source:HGNC Symbol;Acc:23370]	-0.78	2.0E-05
LRG1	ENSG00000171236	leucine-rich alpha-2-glycoprotein 1 [Source:HGNC Symbol;Acc:29480]	-0.78	2.0E-05
ABCC13	ENSG00000243064	ATP-binding cassette, sub-family C (CFTR/MRP), member 13, pseudogene [Source:HGNC Symbol;Acc:16022]	-1.69	2.1E-05
FDPS	ENSG00000160752	farnesyl diphosphate synthase [Source:HGNC Symbol;Acc:3631]	-0.57	2.1E-05
DSP	ENSG00000096696	desmoplakin [Source:HGNC Symbol;Acc:3052]	-0.72	2.1E-05
--	ENSG00000266114	--	-1.57	2.1E-05
FHDC1	ENSG00000137460	FH2 domain containing 1 [Source:HGNC Symbol;Acc:29363]	-0.64	2.1E-05
DERL2	ENSG00000072849	derlin 2 [Source:HGNC Symbol;Acc:17943]	-0.57	2.1E-05
GLRA4	ENSG00000188828	glycine receptor, alpha 4 [Source:HGNC Symbol;Acc:31715]	-2.04	2.1E-05
PDPK1	ENSG00000140992	3-phosphoinositide dependent protein kinase-1 [Source:HGNC Symbol;Acc:8816]	-0.57	2.1E-05

SLC16A9	ENSG00000165449	solute carrier family 16, member 9 [Source:HGNC Symbol;Acc:23520] potassium voltage-gated channel, Shal-related subfamily, member 3	-0.97	2.2E-05
KCND3	ENSG00000171385	[Source:HGNC Symbol;Acc:6239]	-2.68	2.2E-05
INO80C	ENSG00000153391	INO80 complex subunit C [Source:HGNC Symbol;Acc:26994]	-0.83	2.2E-05
SURF4	ENSG00000148248	surfeit 4 [Source:HGNC Symbol;Acc:11476]	-0.61	2.2E-05
SLC17A4	ENSG00000146039	solute carrier family 17, member 4 [Source:HGNC Symbol;Acc:10932] wingless-type MMTV integration site family, member 9A	-0.85	2.2E-05
WNT9A	ENSG00000143816	[Source:HGNC Symbol;Acc:12778] chromosome 6 open reading frame 141 [Source:HGNC	-1.28	2.2E-05
C6orf141	ENSG00000197261	Symbol;Acc:21351] solute carrier family 25, member 45 [Source:HGNC	-0.70	2.3E-05
SLC25A45	ENSG00000162241	Symbol;Acc:27442]	-0.99	2.3E-05
IL17REL	ENSG00000188263	interleukin 17 receptor E-like [Source:HGNC Symbol;Acc:33808] long intergenic non-protein coding RNA 543 [Source:HGNC	-2.75	2.3E-05
LINC00543	ENSG00000260704	Symbol;Acc:43678]	-0.96	2.3E-05
ARF1	ENSG00000143761	ADP-ribosylation factor 1 [Source:HGNC Symbol;Acc:652]	-0.61	2.3E-05
--	ENSG00000229299	--	-1.16	2.3E-05
MIR192	ENSG00000207648	microRNA 192 [Source:HGNC Symbol;Acc:31562]	-1.52	2.3E-05
KIF1B	ENSG00000054523	kinesin family member 1B [Source:HGNC Symbol;Acc:16636] sialic acid binding Ig-like lectin 12 (gene/pseudogene) [Source:HGNC	-0.73	2.4E-05
SIGLEC12	ENSG00000254521	Symbol;Acc:15482] CDC42 binding protein kinase gamma (DMPK-like) [Source:HGNC	-1.89	2.4E-05
CDC42BPG	ENSG00000171219	Symbol;Acc:29829]	-0.88	2.4E-05
TNK1	ENSG00000174292	tyrosine kinase, non-receptor, 1 [Source:HGNC Symbol;Acc:11940]	-0.86	2.4E-05
TPT1-AS1	ENSG00000170919	TPT1 antisense RNA 1 [Source:HGNC Symbol;Acc:43686] secretory carrier membrane protein 2 [Source:HGNC	-0.77	2.4E-05
SCAMP2	ENSG00000140497	Symbol;Acc:10564] dehydrodolichyl diphosphate synthase [Source:HGNC	-0.74	2.4E-05
DHDDS	ENSG00000117682	Symbol;Acc:20603]	-0.73	2.4E-05

THEMIS2	ENSG00000130775	thymocyte selection associated family member 2 [Source:HGNC Symbol;Acc:16839]	-0.98	2.4E-05
ABHD3	ENSG00000158201	abhydrolase domain containing 3 [Source:HGNC Symbol;Acc:18718]	-0.82	2.4E-05
ABHD5	ENSG00000011198	abhydrolase domain containing 5 [Source:HGNC Symbol;Acc:21396]	-0.69	2.4E-05
TNFRSF14	ENSG00000157873	tumor necrosis factor receptor superfamily, member 14 [Source:HGNC Symbol;Acc:11912]	-0.94	2.4E-05
MOV10	ENSG00000155363	Mov10, Moloney leukemia virus 10, homolog (mouse) [Source:HGNC Symbol;Acc:7200]	-0.72	2.4E-05
KDM5C	ENSG00000126012	lysine (K)-specific demethylase 5C [Source:HGNC Symbol;Acc:11114]	-0.64	2.4E-05
EVX1	ENSG00000106038	even-skipped homeobox 1 [Source:HGNC Symbol;Acc:3506]	-0.87	2.4E-05
IFITM10	ENSG00000244242	interferon induced transmembrane protein 10 [Source:HGNC Symbol;Acc:40022]	-1.62	2.4E-05
SLC10A3	ENSG00000126903	solute carrier family 10, member 3 [Source:HGNC Symbol;Acc:22979]	-0.77	2.5E-05
--	ENSG00000259279	--	-1.49	2.5E-05
DDX60	ENSG00000137628	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60 [Source:HGNC Symbol;Acc:25942]	-1.10	2.5E-05
--	ENSG00000228436	--	-1.29	2.5E-05
CCNL1	ENSG00000163660	cyclin L1 [Source:HGNC Symbol;Acc:20569]	-0.85	2.5E-05
AKR1C1	ENSG00000187134	aldo-keto reductase family 1, member C1 [Source:HGNC Symbol;Acc:384]	-0.90	2.5E-05
MACC1	ENSG00000183742	metastasis associated in colon cancer 1 [Source:HGNC Symbol;Acc:30215]	-0.88	2.5E-05
MALT1	ENSG00000172175	mucosa associated lymphoid tissue lymphoma translocation gene 1 [Source:HGNC Symbol;Acc:6819]	-0.83	2.5E-05
CAPN12	ENSG00000182472	calpain 12 [Source:HGNC Symbol;Acc:13249]	-0.86	2.6E-05
ANKS1B	ENSG00000185046	ankyrin repeat and sterile alpha motif domain containing 1B [Source:HGNC Symbol;Acc:24600]	-0.68	2.6E-05
RALY	ENSG00000125970	RALY heterogeneous nuclear ribonucleoprotein [Source:HGNC Symbol;Acc:15921]	-0.77	2.6E-05

ACTR1A	ENSG00000138107	ARP1 actin-related protein 1 homolog A, centractin alpha (yeast) [Source:HGNC Symbol;Acc:167]	-0.61	2.6E-05
CMPK2	ENSG00000134326	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial [Source:HGNC Symbol;Acc:27015]	-1.21	2.6E-05
ACOT8	ENSG00000101473	acyl-CoA thioesterase 8 [Source:HGNC Symbol;Acc:15919]	-0.81	2.6E-05
CCDC88B	ENSG00000168071	coiled-coil domain containing 88B [Source:HGNC Symbol;Acc:26757]	-1.17	2.6E-05
ISG15	ENSG00000187608	ISG15 ubiquitin-like modifier [Source:HGNC Symbol;Acc:4053]	-1.27	2.6E-05
RUSC2	ENSG00000198853	RUN and SH3 domain containing 2 [Source:HGNC Symbol;Acc:23625]	-1.04	2.7E-05
--	ENSG00000265666	--	-1.62	2.7E-05
RAI14	ENSG00000039560	retinoic acid induced 14 [Source:HGNC Symbol;Acc:14873]	-0.75	2.7E-05
FCHSD1	ENSG00000197948	FCH and double SH3 domains 1 [Source:HGNC Symbol;Acc:25463]	-0.80	2.7E-05
FBXL18	ENSG00000155034	F-box and leucine-rich repeat protein 18 [Source:HGNC Symbol;Acc:21874]	-1.18	2.7E-05
INPP5A	ENSG00000068383	inositol polyphosphate-5-phosphatase, 40kDa [Source:HGNC Symbol;Acc:6076]	-0.57	2.7E-05
VAMP5	ENSG00000168899	vesicle-associated membrane protein 5 [Source:HGNC Symbol;Acc:12646]	-1.33	2.7E-05
ZBTB22	ENSG00000236104	zinc finger and BTB domain containing 22 [Source:HGNC Symbol;Acc:13085]	-0.87	2.8E-05
MARCH2	ENSG00000099785	membrane-associated ring finger (C3HC4) 2, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:28038]	-1.00	2.8E-05
DAP	ENSG00000112977	death-associated protein [Source:HGNC Symbol;Acc:2672]	-0.51	2.8E-05
DDA1	ENSG00000130311	DET1 and DDB1 associated 1 [Source:HGNC Symbol;Acc:28360]	-0.80	2.8E-05
--	ENSG00000260121	--	-0.85	2.8E-05
SIRT6	ENSG00000077463	sirtuin 6 [Source:HGNC Symbol;Acc:14934]	-1.20	2.8E-05
DNTTIP1	ENSG00000101457	deoxynucleotidyltransferase, terminal, interacting protein 1 [Source:HGNC Symbol;Acc:16160]	-0.69	2.9E-05
PSMB10	ENSG00000205220	proteasome (prosome, macropain) subunit, beta type, 10 [Source:HGNC Symbol;Acc:9538]	-0.92	2.9E-05



TNIP2	ENSG00000168884	TNFAIP3 interacting protein 2 [Source:HGNC Symbol;Acc:19118] maestro heat-like repeat family member 1 [Source:HGNC Symbol;Acc:26958]	-0.89	2.9E-05
MROH1	ENSG00000179832	lipin 3 [Source:HGNC Symbol;Acc:14451]	-0.80	2.9E-05
LPIN3	ENSG00000132793	absent in melanoma 2 [Source:HGNC Symbol;Acc:357]	-1.39	2.9E-05
AIM2	ENSG00000163568	TBC1 domain family, member 23 [Source:HGNC Symbol;Acc:25622] protein phosphatase 1, regulatory subunit 15B [Source:HGNC Symbol;Acc:14951]	-0.82	3.0E-05
TBC1D23	ENSG00000036054	actin related protein 2/3 complex, subunit 2, 34kDa [Source:HGNC Symbol;Acc:705]	-0.72	3.0E-05
PPP1R15B	ENSG00000158615	HNF1 homeobox B [Source:HGNC Symbol;Acc:11630]	-0.84	3.1E-05
ARPC2	ENSG00000163466	--	-0.65	3.1E-05
HNF1B	ENSG00000108753	--	-0.88	3.1E-05
--	ENSG00000267458	Wiskott-Aldrich syndrome-like [Source:HGNC Symbol;Acc:12735]	-0.89	3.1E-05
WASL	ENSG00000106299	empty spiracles homeobox 1 [Source:HGNC Symbol;Acc:3340]	-1.65	3.1E-05
EMX1	ENSG00000135638	transmembrane protein 184B [Source:HGNC Symbol;Acc:1310]	-0.63	3.1E-05
TMEM184B	ENSG00000198792	--	-1.08	3.1E-05
--	ENSG00000259515	ubiquitin-conjugating enzyme E2F (putative) [Source:HGNC Symbol;Acc:12480]	-0.64	3.1E-05
UBE2F	ENSG00000184182	carbonic anhydrase XIII [Source:HGNC Symbol;Acc:14914]	-0.80	3.2E-05
CA13	ENSG00000185015	dual specificity phosphatase 8 [Source:HGNC Symbol;Acc:3074]	-1.13	3.2E-05
DUSP8	ENSG00000184545	cyclin D3 [Source:HGNC Symbol;Acc:1585]	-0.80	3.2E-05
CCND3	ENSG00000112576	netrin 4 [Source:HGNC Symbol;Acc:13658]	-0.99	3.2E-05
NTN4	ENSG00000074527	hexokinase 1 [Source:HGNC Symbol;Acc:4922]	-0.79	3.2E-05
HK1	ENSG00000156515	solute carrier family 12 (potassium/chloride transporter), member 6 [Source:HGNC Symbol;Acc:10914]	-0.95	3.2E-05
SLC12A6	ENSG00000140199	transcription factor 7-like 2 (T-cell specific, HMG-box) [Source:HGNC Symbol;Acc:11641]	-0.75	3.2E-05
TCF7L2	ENSG00000148737	TMEM51 antisense RNA 1 [Source:HGNC Symbol;Acc:26301]	-0.89	3.3E-05
TMEM51-AS:	ENSG00000175147			

PLOD2	ENSG00000152952	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2 [Source:HGNC Symbol;Acc:9082]	-1.15	3.3E-05
NPY4R	ENSG00000204174	neuropeptide Y receptor Y4 [Source:HGNC Symbol;Acc:9329]	-1.72	3.3E-05
PITX1	ENSG00000069011	paired-like homeodomain 1 [Source:HGNC Symbol;Acc:9004]	-1.24	3.3E-05
TRAPPC10	ENSG00000160218	trafficking protein particle complex 10 [Source:HGNC Symbol;Acc:11868]	-0.55	3.3E-05
CSNK1D	ENSG00000141551	casein kinase 1, delta [Source:HGNC Symbol;Acc:2452]	-0.87	3.4E-05
--	ENSG00000260006	--	-1.13	3.4E-05
SERPINE1	ENSG00000106366	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1 [Source:HGNC Symbol;Acc:8583]	-1.30	3.4E-05
BET1L	ENSG00000177951	Bet1 golgi vesicular membrane trafficking protein-like [Source:HGNC Symbol;Acc:19348]	-0.53	3.4E-05
MAPK11	ENSG00000185386	mitogen-activated protein kinase 11 [Source:HGNC Symbol;Acc:6873]	-1.35	3.4E-05
PPIC	ENSG00000168938	peptidylprolyl isomerase C (cyclophilin C) [Source:HGNC Symbol;Acc:9256]	-0.55	3.4E-05
TAX1BP1	ENSG00000106052	Tax1 (human T-cell leukemia virus type I) binding protein 1 [Source:HGNC Symbol;Acc:11575]	-0.82	3.5E-05
SPATA1	ENSG00000122432	spermatogenesis associated 1 [Source:HGNC Symbol;Acc:14682]	-0.90	3.5E-05
WASH4P	ENSG00000234769	WAS protein family homolog 4 pseudogene [Source:HGNC Symbol;Acc:14126]	-0.83	3.5E-05
HCG4P3	ENSG00000237669	HLA complex group 4 pseudogene 3 [Source:HGNC Symbol;Acc:22922]	-1.48	3.5E-05
SLC4A9	ENSG00000113073	solute carrier family 4, sodium bicarbonate cotransporter, member 9 [Source:HGNC Symbol;Acc:11035]	-1.91	3.5E-05
IHH	ENSG00000163501	indian hedgehog [Source:HGNC Symbol;Acc:5956]	-0.84	3.5E-05
LURAP1L	ENSG00000153714	leucine rich adaptor protein 1-like [Source:HGNC Symbol;Acc:31452]	-0.76	3.6E-05
FAM83H	ENSG00000180921	family with sequence similarity 83, member H [Source:HGNC Symbol;Acc:24797]	-0.79	3.6E-05
CTNBP1	ENSG00000178585	catenin, beta interacting protein 1 [Source:HGNC Symbol;Acc:16913]	-0.58	3.6E-05

AGRN	ENSG00000188157	agrin [Source:HGNC Symbol;Acc:329]	-1.00	3.6E-05
ARNTL	ENSG00000133794	aryl hydrocarbon receptor nuclear translocator-like [Source:HGNC Symbol;Acc:701]	-1.07	3.7E-05
STAM2	ENSG00000115145	signal transducing adaptor molecule (SH3 domain and ITAM motif) 2 [Source:HGNC Symbol;Acc:11358]	-0.87	3.7E-05
--	ENSG00000264769	--	-1.39	3.7E-05
MADD	ENSG00000110514	MAP-kinase activating death domain [Source:HGNC Symbol;Acc:6766]	-0.65	3.7E-05
TNK2	ENSG00000061938	tyrosine kinase, non-receptor, 2 [Source:HGNC Symbol;Acc:19297]	-1.12	3.7E-05
KIAA0513	ENSG00000135709	KIAA0513 [Source:HGNC Symbol;Acc:29058]	-1.13	3.7E-05
PRKAB2	ENSG00000131791	protein kinase, AMP-activated, beta 2 non-catalytic subunit [Source:HGNC Symbol;Acc:9379]	-0.99	3.7E-05
HPGD	ENSG00000164120	hydroxyprostaglandin dehydrogenase 15-(NAD) [Source:HGNC Symbol;Acc:5154]	-1.04	3.7E-05
ERVK13-1	ENSG00000260565	endogenous retrovirus group K13, member 1 [Source:HGNC Symbol;Acc:27548]	-0.76	3.7E-05
--	ENSG00000261490	--	-1.05	3.8E-05
PIEZO1	ENSG00000103335	piezo-type mechanosensitive ion channel component 1 [Source:HGNC Symbol;Acc:28993]	-0.88	3.8E-05
CD47	ENSG00000196776	CD47 molecule [Source:HGNC Symbol;Acc:1682]	-0.69	3.8E-05
TAB3-AS2	ENSG00000235512	TAB3 antisense RNA 2 [Source:HGNC Symbol;Acc:40013]	-1.46	3.8E-05
MFSD5	ENSG00000182544	major facilitator superfamily domain containing 5 [Source:HGNC Symbol;Acc:28156]	-0.80	3.9E-05
CCDC50	ENSG00000152492	coiled-coil domain containing 50 [Source:HGNC Symbol;Acc:18111]	-0.77	3.9E-05
TMEM220	ENSG00000187824	transmembrane protein 220 [Source:HGNC Symbol;Acc:33757]	-1.78	3.9E-05
ABTB1	ENSG00000114626	ankyrin repeat and BTB (POZ) domain containing 1 [Source:HGNC Symbol;Acc:18275]	-1.01	3.9E-05
HCG4	ENSG00000176998	HLA complex group 4 (non-protein coding) [Source:HGNC Symbol;Acc:21241]	-0.93	3.9E-05

TMEM31	ENSG00000179363	transmembrane protein 31 [Source:HGNC Symbol;Acc:28601]	-2.99	3.9E-05
SPTLC2	ENSG00000100596	serine palmitoyltransferase, long chain base subunit 2 [Source:HGNC Symbol;Acc:11278]	-0.57	3.9E-05
LINC00672	ENSG00000263874	long intergenic non-protein coding RNA 672 [Source:HGNC Symbol;Acc:44353]	-1.73	3.9E-05
CAMSAP3	ENSG00000076826	calmodulin regulated spectrin-associated protein family, member 3 [Source:HGNC Symbol;Acc:29307]	-0.95	4.0E-05
DNAJC3	ENSG00000102580	DnaJ (Hsp40) homolog, subfamily C, member 3 [Source:HGNC Symbol;Acc:9439]	-0.76	4.0E-05
UBE2Z	ENSG00000159202	ubiquitin-conjugating enzyme E2Z [Source:HGNC Symbol;Acc:25847]	-0.60	4.0E-05
ZMYND15	ENSG00000141497	zinc finger, MYND-type containing 15 [Source:HGNC Symbol;Acc:20997]	-1.06	4.1E-05
--	ENSG00000249007	--	-1.32	4.1E-05
UBE2A	ENSG00000077721	ubiquitin-conjugating enzyme E2A [Source:HGNC Symbol;Acc:12472]	-0.67	4.1E-05
CRLF3	ENSG00000176390	cytokine receptor-like factor 3 [Source:HGNC Symbol;Acc:17177]	-0.83	4.1E-05
SLC7A11	ENSG00000151012	solute carrier family 7 (anionic amino acid transporter light chain, xc-system), member 11 [Source:HGNC Symbol;Acc:11059]	-1.00	4.1E-05
AGPAT3	ENSG00000160216	1-acylglycerol-3-phosphate O-acyltransferase 3 [Source:HGNC Symbol;Acc:326]	-0.57	4.1E-05
MAGT1	ENSG00000102158	magnesium transporter 1 [Source:HGNC Symbol;Acc:28880]	-0.77	4.1E-05
--	ENSG00000227218	--	-0.73	4.1E-05
BIRC2	ENSG00000110330	baculoviral IAP repeat containing 2 [Source:HGNC Symbol;Acc:590]	-0.82	4.1E-05
NGEF	ENSG00000066248	neuronal guanine nucleotide exchange factor [Source:HGNC Symbol;Acc:7807]	-0.71	4.2E-05
PNKD	ENSG00000127838	paroxysmal nonkinesigenic dyskinesia [Source:HGNC Symbol;Acc:9153]	-0.79	4.2E-05
FAM134C	ENSG00000141699	family with sequence similarity 134, member C [Source:HGNC Symbol;Acc:27258]	-0.62	4.2E-05

MBD6	ENSG00000166987	methyl-CpG binding domain protein 6 [Source:HGNC Symbol;Acc:20445]	-0.81	4.2E-05
ATL1	ENSG00000198513	atlastin GTPase 1 [Source:HGNC Symbol;Acc:11231]	-1.22	4.2E-05
PSCA	ENSG00000167653	prostate stem cell antigen [Source:HGNC Symbol;Acc:9500]	-2.01	4.2E-05
--	ENSG00000249180	--	-1.10	4.3E-05
PDE4D	ENSG00000113448	phosphodiesterase 4D, cAMP-specific [Source:HGNC Symbol;Acc:8783]	-0.96	4.3E-05
TNFRSF10D	ENSG00000173530	tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain [Source:HGNC Symbol;Acc:11907]	-0.58	4.3E-05
SAMD4B	ENSG00000179134	sterile alpha motif domain containing 4B [Source:HGNC Symbol;Acc:25492]	-0.61	4.3E-05
PRRX2	ENSG00000167157	paired related homeobox 2 [Source:HGNC Symbol;Acc:21338]	-1.16	4.3E-05
LLGL2	ENSG00000073350	lethal giant larvae homolog 2 (Drosophila) [Source:HGNC Symbol;Acc:6629]	-1.01	4.3E-05
OSBPL11	ENSG00000144909	oxysterol binding protein-like 11 [Source:HGNC Symbol;Acc:16397]	-0.90	4.3E-05
TMEM140	ENSG00000146859	transmembrane protein 140 [Source:HGNC Symbol;Acc:21870]	-0.66	4.3E-05
TANGO2	ENSG00000183597	transport and golgi organization 2 homolog (Drosophila) [Source:HGNC Symbol;Acc:25439]	-0.84	4.3E-05
RAB1A	ENSG00000138069	RAB1A, member RAS oncogene family [Source:HGNC Symbol;Acc:9758]	-0.66	4.3E-05
--	ENSG00000262413	--	-1.28	4.4E-05
--	ENSG00000225854	--	-2.56	4.5E-05
IRF7	ENSG00000185507	interferon regulatory factor 7 [Source:HGNC Symbol;Acc:6122]	-1.17	4.5E-05
ZNF83	ENSG00000167766	zinc finger protein 83 [Source:HGNC Symbol;Acc:13158]	-0.91	4.5E-05
ADCY6	ENSG00000174233	adenylate cyclase 6 [Source:HGNC Symbol;Acc:237]	-0.74	4.6E-05
--	ENSG00000271643	--	-1.11	4.6E-05
NR1D1	ENSG00000126368	nuclear receptor subfamily 1, group D, member 1 [Source:HGNC Symbol;Acc:7962]	-0.98	4.6E-05
TMEM30B	ENSG00000182107	transmembrane protein 30B [Source:HGNC Symbol;Acc:27254]	-0.77	4.6E-05

--	ENSG00000268307	--	-2.79	4.7E-05
TMEM57	ENSG00000204178	transmembrane protein 57 [Source:HGNC Symbol;Acc:25572]	-0.67	4.7E-05
EZR-AS1	ENSG00000233893	EZR antisense RNA 1 [Source:HGNC Symbol;Acc:40609]	-1.26	4.7E-05
DHRS12	ENSG00000102796	dehydrogenase/reductase (SDR family) member 12 [Source:HGNC Symbol;Acc:25832]	-0.75	4.7E-05
SULF2	ENSG00000196562	sulfatase 2 [Source:HGNC Symbol;Acc:20392]	-0.48	4.7E-05
SESN2	ENSG00000130766	sestrin 2 [Source:HGNC Symbol;Acc:20746]	-0.83	4.7E-05
UBR4	ENSG00000127481	ubiquitin protein ligase E3 component n-recognin 4 [Source:HGNC Symbol;Acc:30313]	-0.63	4.7E-05
GDF7	ENSG00000143869	growth differentiation factor 7 [Source:HGNC Symbol;Acc:4222]	-2.37	4.7E-05
RASGEF1B	ENSG00000138670	RasGEF domain family, member 1B [Source:HGNC Symbol;Acc:24881]	-0.80	4.8E-05
TBC1D2	ENSG00000095383	TBC1 domain family, member 2 [Source:HGNC Symbol;Acc:18026]	-0.73	4.8E-05
--	ENSG00000269495	--	-0.74	4.8E-05
PRR14L	ENSG00000183530	proline rich 14-like [Source:HGNC Symbol;Acc:28738]	-0.64	4.8E-05
ZNF784	ENSG00000179922	zinc finger protein 784 [Source:HGNC Symbol;Acc:33111]	-0.99	4.8E-05
--	ENSG00000269374	--	-1.46	4.9E-05
KLC1	ENSG00000126214	kinesin light chain 1 [Source:HGNC Symbol;Acc:6387]	-0.97	4.9E-05
ADAMTSL5	ENSG00000185761	ADAMTS-like 5 [Source:HGNC Symbol;Acc:27912]	-0.97	4.9E-05
KCTD21-AS1	ENSG00000246174	KCTD21 antisense RNA 1 [Source:HGNC Symbol;Acc:48674]	-0.97	4.9E-05
RTN2	ENSG00000125744	reticulon 2 [Source:HGNC Symbol;Acc:10468]	-0.96	4.9E-05
NRAS	ENSG00000213281	neuroblastoma RAS viral (v-ras) oncogene homolog [Source:HGNC Symbol;Acc:7989]	-0.91	4.9E-05
TMSB4XP8	ENSG00000187653	thymosin beta 4, X-linked pseudogene 8 [Source:HGNC Symbol;Acc:11885]	-1.10	5.0E-05
GNG12-AS1	ENSG00000232284	GNG12 antisense RNA 1 [Source:HGNC Symbol;Acc:43938]	-1.07	5.0E-05
FGD4	ENSG00000139132	FYVE, RhoGEF and PH domain containing 4 [Source:HGNC Symbol;Acc:19125]	-0.90	5.0E-05
--	ENSG00000256152	--	-0.92	5.0E-05

ALDH2	ENSG00000111275	aldehyde dehydrogenase 2 family (mitochondrial) [Source:HGNC Symbol;Acc:404]	-0.54	5.0E-05
NAGA	ENSG00000198951	N-acetylgalactosaminidase, alpha- [Source:HGNC Symbol;Acc:7631]	-0.60	5.0E-05
TMEM2	ENSG00000135048	transmembrane protein 2 [Source:HGNC Symbol;Acc:11869]	-0.64	5.0E-05
PER1	ENSG00000179094	period circadian clock 1 [Source:HGNC Symbol;Acc:8845]	-1.10	5.1E-05
LRRC19	ENSG00000184434	leucine rich repeat containing 19 [Source:HGNC Symbol;Acc:23379]	-0.89	5.1E-05
--	ENSG00000267265	--	-1.18	5.2E-05
VAMP2	ENSG00000220205	vesicle-associated membrane protein 2 (synaptobrevin 2) [Source:HGNC Symbol;Acc:12643]	-0.75	5.2E-05
--	ENSG00000271975	--	-0.88	5.2E-05
CLDN3	ENSG00000165215	claudin 3 [Source:HGNC Symbol;Acc:2045]	-1.35	5.2E-05
PDZD11	ENSG00000120509	PDZ domain containing 11 [Source:HGNC Symbol;Acc:28034]	-0.61	5.3E-05
ZNF624	ENSG00000197566	zinc finger protein 624 [Source:HGNC Symbol;Acc:29254]	-1.32	5.3E-05
--	ENSG00000233799	--	-1.29	5.4E-05
COL7A1	ENSG00000114270	collagen, type VII, alpha 1 [Source:HGNC Symbol;Acc:2214]	-1.17	5.4E-05
CARD14	ENSG00000141527	caspase recruitment domain family, member 14 [Source:HGNC Symbol;Acc:16446]	-1.06	5.4E-05
GPR39	ENSG00000183840	G protein-coupled receptor 39 [Source:HGNC Symbol;Acc:4496]	-0.64	5.4E-05
--	ENSG00000223544	--	-1.89	5.4E-05
GRAMD4	ENSG00000075240	GRAM domain containing 4 [Source:HGNC Symbol;Acc:29113]	-0.69	5.5E-05
ANKS4B	ENSG00000175311	ankyrin repeat and sterile alpha motif domain containing 4B [Source:HGNC Symbol;Acc:26795]	-0.75	5.5E-05
FOXJ2	ENSG00000065970	forkhead box J2 [Source:HGNC Symbol;Acc:24818]	-0.63	5.5E-05
BRD2	ENSG00000204256	bromodomain containing 2 [Source:HGNC Symbol;Acc:1103]	-0.52	5.6E-05
NDP	ENSG00000124479	Norrie disease (pseudoglioma) [Source:HGNC Symbol;Acc:7678]	-1.22	5.6E-05
NCOA1	ENSG00000084676	nuclear receptor coactivator 1 [Source:HGNC Symbol;Acc:7668]	-0.68	5.7E-05
VPS33B	ENSG00000184056	vacuolar protein sorting 33 homolog B (yeast) [Source:HGNC Symbol;Acc:12712]	-0.62	5.7E-05

HNRNPA1P1	ENSG00000243188	heterogeneous nuclear ribonucleoprotein A1 pseudogene 17 [Source:HGNC Symbol;Acc:39135]	-2.71	5.8E-05
EDF1	ENSG00000107223	endothelial differentiation-related factor 1 [Source:HGNC Symbol;Acc:3164]	-0.85	5.8E-05
SHROOM3	ENSG00000138771	shroom family member 3 [Source:HGNC Symbol;Acc:30422]	-0.64	5.8E-05
PKP3	ENSG00000184363	plakophilin 3 [Source:HGNC Symbol;Acc:9025]	-0.97	5.9E-05
MYOM3	ENSG00000142661	myomesin 3 [Source:HGNC Symbol;Acc:26679]	-0.69	5.9E-05
CMIP	ENSG00000153815	c-Maf inducing protein [Source:HGNC Symbol;Acc:24319]	-0.62	5.9E-05
CDS1	ENSG00000163624	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 1 [Source:HGNC Symbol;Acc:1800]	-0.67	5.9E-05
LEMD1	ENSG00000186007	LEM domain containing 1 [Source:HGNC Symbol;Acc:18725]	-1.70	5.9E-05
STK3	ENSG00000104375	serine/threonine kinase 3 [Source:HGNC Symbol;Acc:11406]	-0.88	5.9E-05
RNF223	ENSG00000237330	ring finger protein 223 [Source:HGNC Symbol;Acc:40020]	-1.15	6.0E-05
ARNTL2	ENSG00000029153	aryl hydrocarbon receptor nuclear translocator-like 2 [Source:HGNC Symbol;Acc:18984]	-0.92	6.0E-05
RGS3	ENSG00000138835	regulator of G-protein signaling 3 [Source:HGNC Symbol;Acc:9999]	-0.67	6.0E-05
MARK3	ENSG00000075413	MAP/microtubule affinity-regulating kinase 3 [Source:HGNC Symbol;Acc:6897]	-0.58	6.0E-05
LPCAT4	ENSG00000176454	lysophosphatidylcholine acyltransferase 4 [Source:HGNC Symbol;Acc:30059]	-0.72	6.0E-05
PHF1	ENSG00000112511	PHD finger protein 1 [Source:HGNC Symbol;Acc:8919]	-0.90	6.0E-05
SLC35F6	ENSG00000213699	solute carrier family 35, member F6 [Source:HGNC Symbol;Acc:26055]	-0.62	6.1E-05
GLTSCR1	ENSG00000063169	glioma tumor suppressor candidate region gene 1 [Source:HGNC Symbol;Acc:4332]	-0.95	6.2E-05
CRYL1	ENSG00000165475	crystallin, lambda 1 [Source:HGNC Symbol;Acc:18246]	-0.69	6.2E-05
KDM6B	ENSG00000132510	lysine (K)-specific demethylase 6B [Source:HGNC Symbol;Acc:29012]	-0.91	6.3E-05
--	ENSG00000224195	--	-0.86	6.3E-05



VPS4B	ENSG00000119541	vacuolar protein sorting 4 homolog B ( <i>S. cerevisiae</i> ) [Source:HGNC Symbol;Acc:10895]	-0.93	6.3E-05
LAT2	ENSG00000086730	linker for activation of T cells family, member 2 [Source:HGNC Symbol;Acc:12749]	-1.27	6.3E-05
PFKFB4	ENSG00000114268	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4 [Source:HGNC Symbol;Acc:8875]	-0.87	6.3E-05
ARL2BP	ENSG00000102931	ADP-ribosylation factor-like 2 binding protein [Source:HGNC Symbol;Acc:17146]	-0.64	6.4E-05
AGO2	ENSG00000123908	argonaute RISC catalytic component 2 [Source:HGNC Symbol;Acc:3263]	-0.63	6.4E-05
RNF112	ENSG00000128482	ring finger protein 112 [Source:HGNC Symbol;Acc:12968]	-1.86	6.4E-05
AFF4	ENSG00000072364	AF4/FMR2 family, member 4 [Source:HGNC Symbol;Acc:17869]	-0.80	6.5E-05
NR1H2	ENSG00000131408	nuclear receptor subfamily 1, group H, member 2 [Source:HGNC Symbol;Acc:7965]	-0.96	6.5E-05
TAF10	ENSG00000166337	TAF10 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 30kDa [Source:HGNC Symbol;Acc:11543]	-0.68	6.5E-05
FEM1C	ENSG00000145780	fem-1 homolog c ( <i>C. elegans</i> ) [Source:HGNC Symbol;Acc:16933]	-0.82	6.5E-05
ZNF217	ENSG00000171940	zinc finger protein 217 [Source:HGNC Symbol;Acc:13009]	-0.78	6.5E-05
CEBPB	ENSG00000172216	CCAAT/enhancer binding protein (C/EBP), beta [Source:HGNC Symbol;Acc:1834]	-0.84	6.5E-05
EXOC3	ENSG00000180104	exocyst complex component 3 [Source:HGNC Symbol;Acc:30378]	-0.83	6.6E-05
ELL	ENSG00000105656	elongation factor RNA polymerase II [Source:HGNC Symbol;Acc:23114]	-1.10	6.6E-05
CTGF	ENSG00000118523	connective tissue growth factor [Source:HGNC Symbol;Acc:2500]	-0.99	6.7E-05
MGAT5	ENSG00000152127	mannosyl (alpha-1,6-)-glycoprotein beta-1,6-N-acetylglucosaminyltransferase [Source:HGNC Symbol;Acc:7049]	-0.64	6.7E-05
PGPEP1	ENSG00000130517	pyroglutamyl-peptidase I [Source:HGNC Symbol;Acc:13568]	-0.56	6.7E-05
C11orf35	ENSG00000185522	chromosome 11 open reading frame 35 [Source:HGNC Symbol;Acc:28561]	-1.16	6.7E-05

TMED4	ENSG00000158604	transmembrane emp24 protein transport domain containing 4 [Source:HGNC Symbol;Acc:22301]	-0.44	6.7E-05
INSC	ENSG00000188487	inscuteable homolog (Drosophila) [Source:HGNC Symbol;Acc:33116]	-1.18	6.7E-05
TESK1	ENSG00000107140	testis-specific kinase 1 [Source:HGNC Symbol;Acc:11731]	-0.90	6.7E-05
C19orf77	ENSG00000095932	chromosome 19 open reading frame 77 [Source:HGNC Symbol;Acc:37244]	-0.74	6.8E-05
CIDECP	ENSG00000186162	cell death-inducing DFFA-like effector c pseudogene [Source:HGNC Symbol;Acc:24230]	-0.85	6.8E-05
C5orf56	ENSG00000197536	chromosome 5 open reading frame 56 [Source:HGNC Symbol;Acc:33838]	-0.86	6.8E-05
--	ENSG00000259230	--	-1.22	6.8E-05
PCBP1	ENSG00000169564	poly(rC) binding protein 1 [Source:HGNC Symbol;Acc:8647]	-0.50	6.9E-05
--	ENSG00000273038	--	-1.07	6.9E-05
C17orf85	ENSG00000074356	chromosome 17 open reading frame 85 [Source:HGNC Symbol;Acc:24612]	-0.57	6.9E-05
PIWIL4	ENSG00000134627	piwi-like RNA-mediated gene silencing 4 [Source:HGNC Symbol;Acc:18444]	-0.74	6.9E-05
MGEA5	ENSG00000198408	meningioma expressed antigen 5 (hyaluronidase) [Source:HGNC Symbol;Acc:7056]	-0.56	7.0E-05
ATG14	ENSG00000126775	autophagy related 14 [Source:HGNC Symbol;Acc:19962]	-0.75	7.0E-05
ALCAM	ENSG00000170017	activated leukocyte cell adhesion molecule [Source:HGNC Symbol;Acc:400]	-0.91	7.0E-05
RBCK1	ENSG00000125826	RanBP-type and C3HC4-type zinc finger containing 1 [Source:HGNC Symbol;Acc:15864]	-0.88	7.0E-05
SPRY4	ENSG00000187678	sprouty homolog 4 (Drosophila) [Source:HGNC Symbol;Acc:15533]	-0.54	7.1E-05
GOLGA5	ENSG00000066455	golgin A5 [Source:HGNC Symbol;Acc:4428]	-0.73	7.2E-05
UBR2	ENSG00000024048	ubiquitin protein ligase E3 component n-recognin 2 [Source:HGNC Symbol;Acc:21289]	-0.64	7.2E-05
--	ENSG00000267688	--	-1.04	7.2E-05

APOBR	ENSG00000184730	apolipoprotein B receptor [Source:HGNC Symbol;Acc:24087]	-0.97	7.2E-05
--	ENSG00000272078	--	-1.05	7.4E-05
RTFDC1	ENSG00000022277	replication termination factor 2 domain containing 1 [Source:HGNC Symbol;Acc:15890]	-0.48	7.4E-05
UBXN6	ENSG00000167671	UBX domain protein 6 [Source:HGNC Symbol;Acc:14928]	-0.93	7.4E-05
MBP	ENSG00000197971	myelin basic protein [Source:HGNC Symbol;Acc:6925]	-0.64	7.4E-05
C10orf99	ENSG00000188373	chromosome 10 open reading frame 99 [Source:HGNC Symbol;Acc:31428]	-0.95	7.4E-05
--	ENSG00000242628	--	-1.21	7.5E-05
ALDOC	ENSG00000109107	aldolase C, fructose-bisphosphate [Source:HGNC Symbol;Acc:418]	-0.79	7.5E-05
ANXA8	ENSG00000165390	annexin A8 [Source:HGNC Symbol;Acc:546]	-1.86	7.5E-05
USP54	ENSG00000166348	ubiquitin specific peptidase 54 [Source:HGNC Symbol;Acc:23513]	-0.54	7.5E-05
--	ENSG00000228843	--	-0.78	7.6E-05
SLMAP	ENSG00000163681	sarcolemma associated protein [Source:HGNC Symbol;Acc:16643]	-0.86	7.7E-05
KRT18	ENSG00000111057	keratin 18 [Source:HGNC Symbol;Acc:6430]	-0.77	7.7E-05
DLST	ENSG00000119689	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex) [Source:HGNC Symbol;Acc:2911]	-0.57	7.7E-05
VPS37C	ENSG00000167987	vacuolar protein sorting 37 homolog C (S. cerevisiae) [Source:HGNC Symbol;Acc:26097]	-0.72	7.7E-05
MGRN1	ENSG00000102858	mahogunin ring finger 1, E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:20254]	-0.79	7.8E-05
TPRN	ENSG00000176058	taperin [Source:HGNC Symbol;Acc:26894]	-0.90	7.8E-05
INO80D	ENSG00000114933	INO80 complex subunit D [Source:HGNC Symbol;Acc:25997]	-0.75	7.8E-05
SRGAP1	ENSG00000196935	SLIT-ROBO Rho GTPase activating protein 1 [Source:HGNC Symbol;Acc:17382]	-0.71	7.8E-05
ZFAND6	ENSG00000086666	zinc finger, AN1-type domain 6 [Source:HGNC Symbol;Acc:30164]	-0.69	7.8E-05
DNMBP	ENSG00000107554	dynamamin binding protein [Source:HGNC Symbol;Acc:30373]	-0.50	7.8E-05
STARD4	ENSG00000164211	StAR-related lipid transfer (START) domain containing 4 [Source:HGNC Symbol;Acc:18058]	-0.90	7.9E-05

BCAR1	ENSG00000050820	breast cancer anti-estrogen resistance 1 [Source:HGNC Symbol;Acc:971]	-1.11	7.9E-05
DENND1A	ENSG00000119522	DENN/MADD domain containing 1A [Source:HGNC Symbol;Acc:29324]	-0.62	7.9E-05
SHROOM1	ENSG00000164403	shroom family member 1 [Source:HGNC Symbol;Acc:24084]	-0.97	8.0E-05
RBM23	ENSG00000100461	RNA binding motif protein 23 [Source:HGNC Symbol;Acc:20155]	-0.51	8.0E-05
MIR194-2	ENSG00000229719	microRNA 194-2 [Source:HGNC Symbol;Acc:31565]	-1.33	8.0E-05
--	ENSG00000267709	--	-1.02	8.0E-05
ITGB1BP1	ENSG00000119185	integrin beta 1 binding protein 1 [Source:HGNC Symbol;Acc:23927]	-0.66	8.0E-05
TUBA4A	ENSG00000127824	tubulin, alpha 4a [Source:HGNC Symbol;Acc:12407]	-0.71	8.0E-05
TPM3	ENSG00000143549	tropomyosin 3 [Source:HGNC Symbol;Acc:12012]	-0.57	8.1E-05
CANT1	ENSG00000171302	calcium activated nucleotidase 1 [Source:HGNC Symbol;Acc:19721]	-0.70	8.1E-05
REN	ENSG00000143839	renin [Source:HGNC Symbol;Acc:9958]	-1.43	8.1E-05
RILP	ENSG00000167705	Rab interacting lysosomal protein [Source:HGNC Symbol;Acc:30266]	-0.98	8.2E-05
JHDM1D-AS1	ENSG00000260231	JHDM1D antisense RNA 1 (head to head) [Source:HGNC Symbol;Acc:48959]	-0.73	8.2E-05
ARRDC1	ENSG00000197070	arrestin domain containing 1 [Source:HGNC Symbol;Acc:28633]	-1.04	8.2E-05
MMAA	ENSG00000151611	methylmalonic aciduria (cobalamin deficiency) cblA type [Source:HGNC Symbol;Acc:18871]	-0.79	8.3E-05
EPHB1	ENSG00000154928	EPH receptor B1 [Source:HGNC Symbol;Acc:3392]	-0.72	8.3E-05
FAM151A	ENSG00000162391	family with sequence similarity 151, member A [Source:HGNC Symbol;Acc:25032]	-1.01	8.4E-05
EGLN1	ENSG00000135766	egl-9 family hypoxia-inducible factor 1 [Source:HGNC Symbol;Acc:1232]	-0.79	8.4E-05
IFNE	ENSG00000184995	interferon, epsilon [Source:HGNC Symbol;Acc:18163]	-1.25	8.4E-05
MAPK8IP2	ENSG00000008735	mitogen-activated protein kinase 8 interacting protein 2 [Source:HGNC Symbol;Acc:6883]	-1.36	8.4E-05
RNF11	ENSG00000123091	ring finger protein 11 [Source:HGNC Symbol;Acc:10056]	-0.80	8.5E-05
TSPAN2	ENSG00000134198	tetraspanin 2 [Source:HGNC Symbol;Acc:20659]	-1.33	8.6E-05

RCOR1	ENSG00000089902	REST corepressor 1 [Source:HGNC Symbol;Acc:17441] luteinizing hormone beta polypeptide [Source:HGNC Symbol;Acc:6584]	-0.72	8.6E-05
LHB	ENSG00000104826	akirin 2 [Source:HGNC Symbol;Acc:21407]	-2.18	8.6E-05
AKIRIN2	ENSG00000135334	sushi domain containing 1 [Source:HGNC Symbol;Acc:25413]	-0.56	8.7E-05
SUSD1	ENSG00000106868	zinc finger protein 655 [Source:HGNC Symbol;Acc:30899]	-0.78	8.8E-05
ZNF655	ENSG00000197343	Snf2-related CREBBP activator protein [Source:HGNC Symbol;Acc:16974]	-0.55	8.9E-05
SRCAP	ENSG00000080603	hematopoietic SH2 domain containing [Source:HGNC Symbol;Acc:24920]	-0.78	9.0E-05
HSH2D	ENSG00000196684	retinitis pigmentosa 2 (X-linked recessive) [Source:HGNC Symbol;Acc:10274]	-0.87	9.0E-05
RP2	ENSG00000102218	solute carrier family 35, member E1 [Source:HGNC Symbol;Acc:20803]	-0.86	9.0E-05
SLC35E1	ENSG00000127526	SMAD specific E3 ubiquitin protein ligase 2 [Source:HGNC Symbol;Acc:16809]	-0.59	9.0E-05
SMURF2	ENSG00000108854	solute carrier family 2 (facilitated glucose transporter), member 13 [Source:HGNC Symbol;Acc:15956]	-0.72	9.0E-05
SLC2A13	ENSG00000151229	tectonin beta-propeller repeat containing 1 [Source:HGNC Symbol;Acc:22214]	-1.09	9.0E-05
TECPR1	ENSG00000205356	DIP2 disco-interacting protein 2 homolog A (Drosophila) [Source:HGNC Symbol;Acc:17217]	-0.97	9.2E-05
DIP2A	ENSG00000160305	follistatin-like 3 (secreted glycoprotein) [Source:HGNC Symbol;Acc:3973]	-0.64	9.3E-05
FSTL3	ENSG00000070404	chromosome 13 open reading frame 45 [Source:HGNC Symbol;Acc:44370]	-1.08	9.3E-05
C13orf45	ENSG00000178734	HID1 domain containing [Source:HGNC Symbol;Acc:15736]	-1.82	9.4E-05
HID1	ENSG00000167861	inositol-tetrakisphosphate 1-kinase [Source:HGNC Symbol;Acc:6177]	-0.87	9.5E-05
ITPK1	ENSG00000100605	Kruppel-like factor 10 [Source:HGNC Symbol;Acc:11810]	-0.65	9.5E-05
KLF10	ENSG00000155090		-0.91	9.5E-05

GPCPD1	ENSG00000125772	glycerophosphocholine phosphodiesterase GDE1 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:26957]	-0.80	9.5E-05
ENTPD4	ENSG00000197217	ectonucleoside triphosphate diphosphohydrolase 4 [Source:HGNC Symbol;Acc:14573]	-0.64	9.5E-05
RPL13AP20	ENSG00000234498	ribosomal protein L13a pseudogene 20 [Source:HGNC Symbol;Acc:35709]	-1.07	9.6E-05
TMPRSS3	ENSG00000160183	transmembrane protease, serine 3 [Source:HGNC Symbol;Acc:11877]	-0.83	9.6E-05
SH2D3C	ENSG00000095370	SH2 domain containing 3C [Source:HGNC Symbol;Acc:16884]	-1.81	9.7E-05
NDUFA4L2	ENSG00000185633	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4-like 2 [Source:HGNC Symbol;Acc:29836]	-1.24	9.8E-05
NBL1	ENSG00000158747	neuroblastoma 1, DAN family BMP antagonist [Source:HGNC Symbol;Acc:7650]	-0.97	9.8E-05
NCOA4	ENSG00000138293	nuclear receptor coactivator 4 [Source:HGNC Symbol;Acc:7671]	-0.71	9.9E-05
SVIL	ENSG00000197321	supervillin [Source:HGNC Symbol;Acc:11480]	-0.70	9.9E-05
UBA7	ENSG00000182179	ubiquitin-like modifier activating enzyme 7 [Source:HGNC Symbol;Acc:12471]	-0.57	9.9E-05
SNRPGP15	ENSG00000224543	small nuclear ribonucleoprotein polypeptide G pseudogene 15 [Source:HGNC Symbol;Acc:49371]	-1.87	9.9E-05
RHOB	ENSG00000143878	ras homolog family member B [Source:HGNC Symbol;Acc:668]	-0.79	9.9E-05
RER1	ENSG00000157916	retention in endoplasmic reticulum sorting receptor 1 [Source:HGNC Symbol;Acc:30309]	-0.53	1.0E-04