Supplemental table 5. Differentially expressed genes upon AR-42 treatment.

Ill_ID=Illumina ID; Symbol=Gene symbol; Name=Gene name; Entrez=Entrez gene ID; logFC=log2(fold change of AR-42/control); t=t-statistic; P.Value=p-value; adj.P.Val=Benjamini-Hochberg adjusted p-value

Ill_ID	Symbol	Name	Entrez	logFC	t	P.Value	adj.P.Val
ILMN_1715214	PTPN7	protein tyrosine phosphatase, non-receptor type 7	5778	-1.66009169	-27.3676154	1.48E-08	0.000521339
ILMN_1767894	POLB	polymerase (DNA directed), beta	5423	1.465886551	24.37323148	3.39E-08	0.000521339
ILMN_3307926	ADRBK1	adrenergic, beta, receptor kinase 1	156	-1.46846113	-24.3235996	3.44E-08	0.000521339
ILMN_1723235	DUS3L	dihydrouridine synthase 3-like (S. cerevisiae)	56931	-1.45764877	-23.4810594	4.43E-08	0.000521339
ILMN_1768284	P2RY8	purinergic receptor P2Y, G-protein coupled, 8	286530	-1.59196213	-22.8242221	5.42E-08	0.000521339
ILMN_1689908	ANKRD13A	ankyrin repeat domain 13A	88455	1.449373786	21.74065442	7.66E-08	0.000545249
ILMN_1705442	CMTM3	CKLF-like MARVEL transmembrane domain containing 3	123920	-1.24886296	-20.9059893	1.01E-07	0.000545249
ILMN_1732705	HCFC1	host cell factor C1 (VP16-accessory protein)	3054	-1.71349443	-20.8916003	1.02E-07	0.000545249
ILMN_2110908	MYC	v-myc myelocytomatosis viral oncogene homolog (avian)	4609	-2.87400127	-20.8834399	1.02E-07	0.000545249
ILMN_2047511	ADAP1	ArfGAP with dual PH domains 1	11033	-1.45302154	-20.4325044	1.19E-07	0.000573092
ILMN_1714599	CAMLG	calcium modulating ligand	819	1.120744698	18.87137049	2.09E-07	0.000839686
ILMN_1758823	SMARCB1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	6598	-1.51037196	-18.3044911	2.60E-07	0.000839686
ILMN_1681591	PTPN1	protein tyrosine phosphatase, non-receptor type 1	5770	1.318809787	18.22541285	2.68E-07	0.000839686
ILMN_1714965	NFKB1	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	4790	-1.22294798	-18.1744572	2.73E-07	0.000839686
ILMN_1711894	MYB	v-myb myeloblastosis viral oncogene homolog (avian)	4602	-2.4026203	-18.0651779	2.85E-07	0.000839686
ILMN_1802615	CDK6	cyclin-dependent kinase 6	1021	-1.57574434	-18.0165475	2.91E-07	0.000839686
ILMN_3176090	RCC2	regulator of chromosome condensation 2	55920	-1.31535303	-17.9649079	2.97E-07	0.000839686
ILMN_1703244	MAP1LC3B	microtubule-associated protein 1 light chain 3 beta	81631	1.160609765	17.72693155	3.26E-07	0.000871471
ILMN_1740165	C14orf102	chromosome 14 open reading frame 102	55051	-1.13331875	-17.316647	3.85E-07	0.00097419
ILMN_1800626	SESN1	sestrin 1	27244	1.042902701	17.15459335	4.11E-07	0.000989021
ILMN_1694240	MAP2K1	mitogen-activated protein kinase kinase 1	5604	1.007807968	16.82657295	4.71E-07	0.00098938
ILMN_1708382	ELP6	elongator acetyltransferase complex subunit 6	54859	-1.0775538	-16.7093463	4.95E-07	0.00098938
ILMN_1716382	C12orf75	chromosome 12 open reading frame 75	387882	1.023129296	16.70026953	4.97E-07	0.00098938
ILMN_2410771	KEAP1	kelch-like ECH-associated protein 1	9817	-1.21498947	-16.5916529	5.20E-07	0.00098938
ILMN_1758146	SIRPA	signal-regulatory protein alpha	140885	-1.48344313	-16.5608495	5.27E-07	0.00098938
ILMN_1732615	ASMTL	acetylserotonin O-methyltransferase-like	8623	2.07290144	16.40251556	5.64E-07	0.00098938
ILMN_1807206	DHRS1	dehydrogenase/reductase (SDR family) member 1	115817	1.043054463	16.31101744	5.87E-07	0.00098938
ILMN_2326953	LAT2	linker for activation of T cells family, member 2	7462	-1.54198303	-16.2172593	6.11E-07	0.00098938
ILMN_1739541	NMI	N-myc (and STAT) interactor	9111	-0.98600856	-16.128507	6.35E-07	0.00098938
ILMN_2410772	KEAP1	kelch-like ECH-associated protein 1	9817	-1.19546798	-16.0897668	6.46E-07	0.00098938
ILMN_1679725	PCYOX1	prenylcysteine oxidase 1	51449	1.174953755	16.06522686	6.53E-07	0.00098938
ILMN_1768176	CXorf26	chromosome X open reading frame 26	51260	-1.57049	-15.9369324	6.91E-07	0.00098938
ILMN_1660749	ASPSCR1	alveolar soft part sarcoma chromosome region, candidate 1	79058	-1.05076833	-15.9246338	6.95E-07	0.00098938
ILMN_1719158	CTBP1	C-terminal binding protein 1	1487	-1.03252734	-15.9098508	6.99E-07	0.00098938
ILMN_1781752	CLEC16A	C-type lectin domain family 16, member A	23274	1.207673237	15.75027444	7.51E-07	0.001003085
ILMN_1781819	PAPSS1	3'-phosphoadenosine 5'-phosphosulfate synthase 1	9061	1.005310442	15.7505729	7.51E-07	0.001003085
ILMN_1680618	MYC	v-myc myelocytomatosis viral oncogene homolog (avian)	4609	-2.82249323	-15.6603534	7.81E-07	0.001016072
ILMN_3238889	RPRD2	regulation of nuclear pre-mRNA domain containing 2	23248	-1.08450922	-15.4787305	8.48E-07	0.001020624
ILMN_1726842	TYW3	tRNA-yW synthesizing protein 3 homolog (S. cerevisiae)	127253	-1.17861769	-15.423663	8.70E-07	0.001020624
ILMN_1713505	NPC1	Niemann-Pick disease, type C1	4864	0.957383414	15.40246355	8.78E-07	0.001020624
ILMN_1814971	TCF25	transcription factor 25 (basic helix-loop-helix)	22980	-0.88407851	-15.3779429	8.88E-07	0.001020624
ILMN_1719695	NFKBIZ	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	64332	1.085713263	15.36890767	8.92E-07	0.001020624
ILMN_2194627	GMCL1	germ cell-less, spermatogenesis associated 1	64395	1.050689241	15.31089993	9.16E-07	0.001020624
ILMN_2371590	DDX17	DEAD (Asp-Glu-Ala-Asp) box helicase 17	10521	-0.93036719	-15.2691772	9.33E-07	0.001020624
ILMN_1803988	MCL1	myeloid cell leukemia sequence 1 (BCL2-related)	4170	1.021882466	15.16163945	9.81E-07	0.001048709
ILMN_1810514	SLC25A44	solute carrier family 25, member 44	9673	0.966337133	15.11096228	1.00E-06	0.001050303
ILMN_1671621	PCMT1	protein-L-isoaspartate (D-aspartate) O-methyltransferase	5110	0.923329614	14.87914247	1.12E-06	0.001058353
ILMN_2216582	LYL1	lymphoblastic leukemia derived sequence 1	4066	-1.42359385	-14.8836831	1.12E-06	0.001058353
ILMN_1720124	RCC2	regulator of chromosome condensation 2	55920	-1.6077466	-14.7837002	1.17E-06	0.001058353
ILMN_1777061	ZSWIM6	zinc finger, SWIM-type containing 6	57688	1.346754352	14.7610308	1.18E-06	0.001058353
ILMN_2409395	CCNC	cyclin C	892	0.949856512	14.77436211	1.18E-06	0.001058353
ILMN_1782488	RNASEH2B	ribonuclease H2, subunit B	79621	-0.94532619	-14.7722852	1.18E-06	0.001058353
ILMN_1761479	ZC3HC1	zinc finger, C3HC-type containing 1	51530	-1.00694963	-14.7387021	1.20E-06	0.001058353
ILMN_2061950	RABGAP1	RAB GTPase activating protein 1	23637	1.09375418	14.71855844	1.21E-06	0.001058353
ILMN_1692219	RAB11FIP1	RAB11 family interacting protein 1 (class I)	80223	1.520917954	14.7038066	1.22E-06	0.001058353
ILMN_1690342	LTA4H	leukotriene A4 hydrolase	4048	1.161585428	14.65010495	1.25E-06	0.001058353

Ill_ID	Symbol	Name	Entrez	logFC	t	P.Value	adj.P.Val
ILMN_1665831	CLPTM1	cleft lip and palate associated transmembrane protein 1	1209	0.846405466	14.60174615	1.28E-06	0.001058353
ILMN_1769158	ISOC2	isochorismatase domain containing 2	79763	-0.8449408	-14.5713296	1.30E-06	0.001058353
ILMN_1768930	U2AF2	U2 small nuclear RNA auxiliary factor 2	11338	-1.51787127	-14.4836698	1.35E-06	0.001058353
ILMN_1689786	ASMTL	acetylserotonin O-methyltransferase-like	8623	1.872202421	14.47508533	1.36E-06	0.001058353
ILMN_1764764	MUM1	melanoma associated antigen (mutated) 1	84939	0.85105436	14.41895378	1.39E-06	0.001058353
ILMN_1746148	LRRC33	leucine rich repeat containing 33	375387	-1.41869434	-14.4081841	1.40E-06	0.001058353
ILMN_1694466	ZBED1	zinc finger, BED-type containing 1	9189	-1.54584845	-14.3925	1.41E-06	0.001058353
ILMN_1696463	SPI1	spleen focus forming virus (SFFV) proviral integration oncogene spi1	6688	-1.69993085	-14.3698447	1.43E-06	0.001058353
ILMN_1672660	MBP	myelin basic protein	4155	-1.07107241	-14.3505248	1.44E-06	0.001058353
ILMN_1699676	SPTSSA	serine palmitoyltransferase, small subunit A	171546	0.943572004	14.33655338	1.45E-06	0.001058353
ILMN_1800451	MED16	mediator complex subunit 16	10025	-0.98113572	-14.1973493	1.55E-06	0.001116193
ILMN_1772455	HDAC3	histone deacetylase 3	8841	1.486921147	14.10954124	1.62E-06	0.001133448
ILMN_1759766	CTXN1	cortexin 1	404217	1.232698315	14.10675445	1.63E-06	0.001133448
ILMN_1783709	RRAGA	Ras-related GTP binding A	10670	1.089044837	14.06299969	1.66E-06	0.001138358
ILMN_1798659	CCDC28A	coiled-coil domain containing 28A	25901	1.43716235	14.04051061	1.68E-06	0.001138358
ILMN_1671554	LPIN1	lipin 1	23175	1.012740675	13.96775867	1.74E-06	0.001164039
ILMN_1737857	GTF2B	general transcription factor IIB	2959	0.945656691	13.89854455	1.80E-06	0.001188626
ILMN_3241870	FRMD8	FERM domain containing 8	83786	1.048641258	13.66922389	2.03E-06	0.001287163
ILMN_1670532	GMCL1	germ cell-less, spermatogenesis associated 1	64395	1.01993329	13.66722285	2.03E-06	0.001287163
ILMN_1790680	PDE6D	phosphodiesterase 6D, cGMP-specific, rod, delta	5147	0.862949387	13.66178495	2.03E-06	0.001287163
ILMN_1740185	TPMT	thiopurine S-methyltransferase	7172	1.712225045	13.60826683	2.09E-06	0.001292886
ILMN_1654370	TESK2	testis-specific kinase 2	10420	0.897583929	13.60234328	2.10E-06	0.001292886
ILMN_2392043	SPI1	spleen focus forming virus (SFFV) proviral integration oncogene spi1	6688	-1.63283919	-13.4699746	2.24E-06	0.001366575
ILMN_1688034	COIL	coilin	8161	-0.88042105	-13.421611	2.30E-06	0.001375732
ILMN_1719097	C18orf8	chromosome 18 open reading frame 8	29919	1.020952325	13.40887072	2.32E-06	0.001375732
ILMN_2377240	AKTIP	AKT interacting protein	64400	0.847285573	13.22086276	2.56E-06	0.001499362
ILMN_1757730	TTC27	tetratricopeptide repeat domain 27	55622	-1.39227118	-13.1528113	2.65E-06	0.001509594
ILMN_1681008	CGRRF1	cell growth regulator with ring finger domain 1	10668	0.915515039	13.14069673	2.67E-06	0.001509594
ILMN_2126239	SMG5	smg-5 homolog, nonsense mediated mRNA decay factor (C. elegans)	23381	-0.98635038	-13.1316296	2.68E-06	0.001509594
ILMN_1680925	SLC9A3R1	solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 regulator 1	9368	1.38870132	13.11124034	2.71E-06	0.001509594
ILMN_1733851	DACT3	dapper, antagonist of beta-catenin, homolog 3 (Xenopus laevis)	147906	2.341908083	13.09605924	2.73E-06	0.001509594
ILMN_2055156	PAG1	phosphoprotein associated with glycosphingolipid microdomains 1	55824	1.831340934	13.0381863	2.82E-06	0.001531388
ILMN_1694084	CYTH1	cytohesin 1	9267	0.84823181	12.99181356	2.89E-06	0.001531388
ILMN_1754753	IL6R	interleukin 6 receptor	3570	-1.00556513	-12.9873044	2.89E-06	0.001531388
ILMN_1667925	NA	NA	NA	-0.78831703	-12.9848692	2.90E-06	0.001531388
ILMN_1804384	ASMTL	acetylserotonin O-methyltransferase-like	8623	1.595613	12.95154444	2.95E-06	0.001542039
ILMN_1744508	FAM53C	family with sequence similarity 53, member C	51307	0.940022285	12.86182184	3.09E-06	0.001576844
ILMN_1683859	SLC7A1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	6541	-1.04248472	-12.8368928	3.14E-06	0.001576844
ILMN_1767651	TECPR1	tectonin beta-propeller repeat containing 1	25851	0.769574526	12.82744565	3.15E-06	0.001576844
ILMN_1682864	SPSB3	splA/ryanodine receptor domain and SOCS box containing 3	90864	0.861564284	12.80997234	3.18E-06	0.001576844
ILMN_1793017	DGKQ	diacylglycerol kinase, theta 110kDa	1609	0.839647741	12.7964847	3.21E-06	0.001576844
ILMN_1776080	GTPBP6	GTP binding protein 6 (putative)	8225	-1.17477657	-12.7931077	3.21E-06	0.001576844
ILMN_2113535	PCYOX1	prenylcysteine oxidase 1	51449	1.167866906	12.73305755	3.32E-06	0.001577045
ILMN_2347068	MKNK2	MAP kinase interacting serine/threonine kinase 2	2872	1.448069229	12.72123346	3.34E-06	0.001577045
ILMN_1769319	CNBP	CCHC-type zinc finger, nucleic acid binding protein	7555	-0.78700237	-12.7126446	3.36E-06	0.001577045
ILMN_1749629	CUL1	cullin 1	8454	-1.1225116	-12.6966356	3.39E-06	0.001577045
ILMN_1712505	KDELC1	KDEL (Lys-Asp-Glu-Leu) containing 1	79070	0.966813615	12.68945066	3.40E-06	0.001577045
ILMN_1654112	PARD6A	par-6 partitioning defective 6 homolog alpha (C. elegans)	50855	1.191456627	12.6819247	3.41E-06	0.001577045
ILMN_2368292	TSEN34	tRNA splicing endonuclease 34 homolog (S. cerevisiae)	79042	1.29840003	12.66633498	3.44E-06	0.001577045
ILMN_1673215	PCBP1	poly(rC) binding protein 1	5093	-0.78967238	-12.6364161	3.50E-06	0.001588007
ILMN_1784333	SECISBP2L	SECIS binding protein 2-like	9728	0.759727896	12.58668739	3.60E-06	0.001616783
ILMN_1808860	STX5	syntaxin 5	6811	0.73540445	12.54818629	3.67E-06	0.001636202
ILMN_2105308	DPM1	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit	8813	0.859363149	12.47974713	3.82E-06	0.001683827
ILMN_1809695	CAMK2G	calcium/calmodulin-dependent protein kinase II gamma	818	0.807481752	12.39372694	4.00E-06	0.001722801
ILMN_1693401	KLHL28	kelch-like 28 (Drosophila)	54813	1.119652671	12.38100555	4.03E-06	0.001722801
ILMN_2387799	PDPK1	3-phosphoinositide dependent protein kinase-1	5170	1.124356567	12.37096457	4.05E-06	0.001722801
ILMN_1655684	SARS2	seryl-tRNA synthetase 2, mitochondrial	54938	-1.07656404	-12.3437062	4.12E-06	0.001722801
ILMN_1656057	PLAU	plasminogen activator, urokinase	5328	-1.13958453	-12.3414883	4.12E-06	0.001722801
ILMN_2098418	GATSL3	GATS protein-like 3	652968	0.773083862	12.33773372	4.13E-06	0.001722801
ILMN_1727479	TPRG1L	tumor protein p63 regulated 1-like	127262	0.873759225	12.32731594	4.15E-06	0.001722801

III_ID	Symbol	Name	Entrez	logFC	t	P.Value	adj.P.Val
ILMN_1787718	SLC27A1	solute carrier family 27 (fatty acid transporter), member 1	376497	1.186646647	12.26784416	4.30E-06	0.001752837
ILMN_1784540	KBTBD2	kelch repeat and BTB (POZ) domain containing 2	25948	-0.77688985	-12.2611222	4.31E-06	0.001752837
ILMN_1796458	GABARAPL2	GABA(A) receptor-associated protein-like 2	11345	0.823721904	12.24304355	4.36E-06	0.001752837
ILMN_1746206	AZI1	5-azacytidine induced 1	22994	1.158555258	12.2364836	4.37E-06	0.001752837
ILMN_1672004	TOB1	transducer of ERBB2, 1	10140	0.968512852	12.19206074	4.48E-06	0.001782644
ILMN_2113938	TOR1AIP2	torsin A interacting protein 2	163590	0.855863227	12.11627239	4.68E-06	0.001845938
ILMN_2095133	SPTAN1	spectrin, alpha, non-erythrocytic 1	6709	0.94386414	12.06535147	4.82E-06	0.001884365
ILMN_1749243	BANF1	barrier to autointegration factor 1	8815	-0.77375812	-12.0518229	4.86E-06	0.001884365
ILMN_1654915	MLLT4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4	4301	0.740887634	11.8992137	5.30E-06	0.002041272
ILMN_1654629	TMEM175	transmembrane protein 175	84286	0.955179731	11.86503052	5.41E-06	0.002065684
ILMN_1658486	MRPL54	mitochondrial ribosomal protein L54	116541	-1.41439637	-11.8266118	5.53E-06	0.002066903
ILMN_1748291	SDE2	SDE2 telomere maintenance homolog (S. pombe)	163859	1.045102974	11.81556457	5.57E-06	0.002066903
ILMN_2358652	NXF1	nuclear RNA export factor 1	10482	1.365213752	11.78543286	5.67E-06	0.002066903
ILMN_2093343	PLAC8	placenta-specific 8	51316	-1.15996428	-11.7815146	5.68E-06	0.002066903
ILMN_1760667	POLR3GL	polymerase (RNA) III (DNA directed) polypeptide G (32kD)-like	84265	0.784415343	11.77690955	5.70E-06	0.002066903
ILMN_1686082	C14orf79	chromosome 14 open reading frame 79	122616	0.952093238	11.77190661	5.71E-06	0.002066903
ILMN_1742611	C1orf52	chromosome 1 open reading frame 52	148423	0.781458795	11.77139691	5.71E-06	0.002066903
ILMN_1768662	UCK2	uridine-cytidine kinase 2	7371	-0.8880849	-11.7353137	5.84E-06	0.00209537
ILMN_1693045	TMED1	transmembrane emp24 protein transport domain containing 1	11018	-1.44365476	-11.6862031	6.01E-06	0.002140849
ILMN_1775304	DNAJB1	DnaJ (Hsp40) homolog, subfamily B, member 1	3337	0.950029079	11.64643821	6.15E-06	0.002162218
ILMN_1663195	MCM7	minichromosome maintenance complex component 7	4176	-0.99688595	-11.6444935	6.16E-06	0.002162218
ILMN_1785202	STAT4	signal transducer and activator of transcription 4	6775	1.106255391	11.62734075	6.22E-06	0.002166484
ILMN_1658883	ARAF	v-raf murine sarcoma 3611 viral oncogene homolog	369	-0.83403816	-11.6074251	6.29E-06	0.002166484
ILMN_1775677	TYSND1	trypsin domain containing 1	219743	-0.96710263	-11.6046139	6.30E-06	0.002166484
ILMN_2329679	TPST2	tyrosylprotein sulfotransferase 2	8459	0.945045975	11.57744191	6.41E-06	0.002175583
ILMN_1757644	UBE2H	ubiquitin-conjugating enzyme E2H	7328	0.962837969	11.57369087	6.42E-06	0.002175583
ILMN_1764383	MCOLN1	mucolipin 1	57192	0.797309403	11.54948111	6.52E-06	0.002191491
ILMN_1779401	CHP1	calcineurin-like EF hand protein 1	11261	0.695755354	11.51715605	6.64E-06	0.002191491
ILMN_1738675	PTPN6	protein tyrosine phosphatase, non-receptor type 6	5777	-0.93182311	-11.5113794	6.66E-06	0.002191491
ILMN_1686968	ZNF362	zinc finger protein 362	149076	-1.14244704	-11.4657731	6.85E-06	0.002191491
ILMN_1685112	TACO1	translational activator of mitochondrially encoded cytochrome c oxidase I	51204	-0.76731396	-11.4611596	6.87E-06	0.002191491
ILMN_1727740	SYNCRIP	synaptotagmin binding, cytoplasmic RNA interacting protein	10492	-0.87437252	-11.4530802	6.90E-06	0.002191491
ILMN_2290618	SEC22C	SEC22 vesicle trafficking protein homolog C (S. cerevisiae)	9117	0.68822163	11.44829273	6.92E-06	0.002191491
ILMN_1702501	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2	6196	1.175978176	11.43526924	6.98E-06	0.002191491
ILMN_1736234	CHTOP	chromatin target of PRMT1	26097	-0.88332439	-11.4174054	7.05E-06	0.002191491
ILMN_1724700	RIOK3	RIO kinase 3 (yeast)	8780	0.998947243	11.40110938	7.12E-06	0.002191491
ILMN_1718712	FAM217B	family with sequence similarity 217, member B	63939	-0.98685189	-11.3894782	7.17E-06	0.002191491
ILMN_1806432	NT5C	5', 3'-nucleotidase, cytosolic	30833	-0.78118202	-11.3866166	7.18E-06	0.002191491
ILMN_2225595	ACAD8	acyl-CoA dehydrogenase family, member 8	27034	0.733015032	11.37696217	7.23E-06	0.002191491
ILMN_2175474	MTRF1L	mitochondrial translational release factor 1-like	54516	0.859342887	11.37311286	7.24E-06	0.002191491
ILMN_1811327	MRPL27	mitochondrial ribosomal protein L27	51264	-0.98855083	-11.367893	7.27E-06	0.002191491
ILMN_1734742	ARHGDIA	Rho GDP dissociation inhibitor (GDI) alpha	396	-0.85659259	-11.3620065	7.29E-06	0.002191491
ILMN_1653220	PITPNM1	phosphatidylinositol transfer protein, membrane-associated 1	9600	0.691757621	11.33612251	7.41E-06	0.002191491
ILMN_2087575	ZC3H4	zinc finger CCCH-type containing 4	23211	-1.07327089	-11.3284912	7.44E-06	0.002191491
ILMN_1688479	LRRC42	leucine rich repeat containing 42	115353	1.004284982	11.32703673	7.45E-06	0.002191491
ILMN_1797950	EXTL2	exostoses (multiple)-like 2	2135	0.848403085	11.32642203	7.45E-06	0.002191491
ILMN_2197365	RGS2	regulator of G-protein signaling 2, 24kDa	5997	2.471786407	11.32254331	7.47E-06	0.002191491
ILMN_1761456	ALG13	asparagine-linked glycosylation 13 homolog (S. cerevisiae)	79868	-0.75643868	-11.311909	7.52E-06	0.002191491
ILMN_1729748	PEF1	penta-EF-hand domain containing 1	553115	-0.84657455	-11.3116068	7.52E-06	0.002191491
ILMN_1756006	ATG2A	autophagy related 2A	23130	0.986008975	11.28305434	7.65E-06	0.002191491
ILMN_2214678	MXD1	MAX dimerization protein 1	4084	1.407559573	11.28041312	7.66E-06	0.002191491
ILMN_1805225	LPCAT3	lysophosphatidylcholine acyltransferase 3	10162	0.797105124	11.27964049	7.67E-06	0.002191491
ILMN_1722059	SAFB	scaffold attachment factor B	6294	-0.67349188	-11.2724871	7.70E-06	0.002191491
ILMN_1664994	MINPP1	multiple inositol-polyphosphate phosphatase 1	9562	0.710896848	11.25304435	7.79E-06	0.002204585
ILMN_2404385	REPIN1	replication initiator 1	29803	-0.7700066	-11.2327469	7.89E-06	0.002213534
ILMN_1802456	DCTD	dCMP deaminase	1635	-0.86276922	-11.224031	7.93E-06	0.002213534
ILMN_1712748	C14orf129	chromosome 14 open reading frame 129	51527	1.211688681	11.20048532	8.05E-06	0.002213534
ILMN_2336186	LCMT1	leucine carboxyl methyltransferase 1	51451	1.001526546	11.19034852	8.10E-06	0.002213534
ILMN_3278995	RBM39	RNA binding motif protein 39	9584	-0.87805282	-11.1902475	8.10E-06	0.002213534
ILMN_2403852	CYTH1	cytohesin 1	9267	0.678142662	11.18252781	8.13E-06	0.002213534

Ill_ID	Symbol	Name	Entrez	logFC	t	P.Value	adj.P.Val
ILMN_3307782	FBXL18	F-box and leucine-rich repeat protein 18	80028	1.358286393	11.18050317	8.14E-06	0.002213534
ILMN_2230566	RAB40B	RAB40B, member RAS oncogene family	10966	0.860887289	11.16859527	8.20E-06	0.002217255
ILMN_1657993	ADNP	activity-dependent neuroprotector homeobox	23394	-1.23722821	-11.1119937	8.50E-06	0.002274492
ILMN_1663631	BANP	BTG3 associated nuclear protein	54971	-0.9398757	-11.1000083	8.56E-06	0.002274492
ILMN_1690646	SATB1	SATB homeobox 1	6304	-0.73028697	-11.0925348	8.60E-06	0.002274492
ILMN_1759991	NOL12	nucleolar protein 12	79159	-0.8849076	-11.0634931	8.75E-06	0.002274492
ILMN_1698323	PLEKHB2	pleckstrin homology domain containing, family B (evectins) member 2	55041	0.884903195	11.06078946	8.77E-06	0.002274492
ILMN_1786024	POLR3H	polymerase (RNA) III (DNA directed) polypeptide H (22.9kD)	171568	-0.76118998	-11.0593719	8.78E-06	0.002274492
ILMN_2376403	TSC22D3	TSC22 domain family, member 3	1831	0.98980739	11.05582637	8.80E-06	0.002274492
ILMN_1658992	DPM1	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit	8813	0.977915957	11.04152364	8.87E-06	0.002274492
ILMN_1684446	SPAG7	sperm associated antigen 7	9552	-0.89652736	-11.0407599	8.88E-06	0.002274492
ILMN_1756669	POGK	pogo transposable element with KRAB domain	57645	-0.72999683	-11.035943	8.90E-06	0.002274492
ILMN_2182335	ARID2	AT rich interactive domain 2 (ARID, RFX-like)	196528	-0.74963736	-11.0252608	8.96E-06	0.002274492
ILMN_1815878	LAMTOR1	late endosomal/lysosomal adaptor, MAPK and MTOR activator 1	55004	-0.96293825	-11.0218243	8.98E-06	0.002274492
ILMN_1716547	NAGK	N-acetylglucosamine kinase	55577	0.847511737	10.99524368	9.13E-06	0.002297278
ILMN_1653292	PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4	5210	1.175835167	10.98899996	9.17E-06	0.002297278
ILMN_1703430	CCDC94	coiled-coil domain containing 94	55702	-0.8899645	-10.9571893	9.35E-06	0.002331218
ILMN_2344216	STX2	syntaxin 2	2054	0.857842226	10.94317652	9.43E-06	0.002339619
ILMN_1673962	NUP205	nucleoporin 205kDa	23165	-0.6801781	-10.9214079	9.56E-06	0.002358206
ILMN_1673917	GTF2I	general transcription factor IIi	2969	-1.03148468	-10.9141802	9.61E-06	0.002358206
ILMN_1695092	WRB	tryptophan rich basic protein	7485	0.711886745	10.89088217	9.75E-06	0.002380814
ILMN_1673111	TSEN34	tRNA splicing endonuclease 34 homolog (S. cerevisiae)	79042	1.06977756	10.87771541	9.83E-06	0.002382303
ILMN_1729123	PPP2R4	protein phosphatase 2A activator, regulatory subunit 4	5524	-0.7555891	-10.8738299	9.85E-06	0.002382303
ILMN_1721833	IER5	immediate early response 5	51278	1.374607737	10.80455471	1.03E-05	0.002464031
ILMN_1654685	MCTP1	multiple C2 domains, transmembrane 1	79772	1.077922236	10.80623853	1.03E-05	0.002464031
ILMN_1784602	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	1026	1.621330779	10.79135134	1.04E-05	0.002466366
ILMN_1655307	FAM136A	family with sequence similarity 136, member A	84908	-1.32667513	-10.7851988	1.04E-05	0.002466366
ILMN_1732985	PHF20L1	PHD finger protein 20-like 1	51105	0.786307411	10.7796828	1.05E-05	0.002466366
ILMN_1778242	CALM1	calmodulin 1 (phosphorylase kinase, delta)	801	1.121991828	10.71889924	1.09E-05	0.002545817
ILMN_1803560	LAT2	linker for activation of T cells family, member 2	7462	-1.60386821	-10.7087856	1.09E-05	0.002545817
ILMN_1665526	TCEA2	transcription elongation factor A (SII), 2	6919	0.915332464	10.70100354	1.10E-05	0.002545817
ILMN_2394561	IRF2BP2	interferon regulatory factor 2 binding protein 2	359948	-1.40487785	-10.6993645	1.10E-05	0.002545817
ILMN_1813489	RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	5894	-0.71699879	-10.6789432	1.12E-05	0.002566925
ILMN_2396996	PPCS	phosphopantothenoylcysteine synthetase	79717	-0.97191971	-10.65557	1.13E-05	0.002593212
ILMN_2413527	VCL	vinculin	7414	1.07111375	10.64080087	1.14E-05	0.002593212
ILMN_1663916	ARHGAP9	Rho GTPase activating protein 9	64333	-1.23768642	-10.6415826	1.14E-05	0.002593212
ILMN_1827736	PDK3	pyruvate dehydrogenase kinase, isozyme 3	5165	0.738730123	10.63346576	1.15E-05	0.00259322
ILMN_1669113	ATF5	activating transcription factor 5	22809	-1.11999443	-10.6173327	1.16E-05	0.002599809
ILMN_1784630	KBTBD11	kelch repeat and BTB (POZ) domain containing 11	9920	-1.34025334	-10.6141964	1.16E-05	0.002599809
ILMN_1707312	NFIL3	nuclear factor, interleukin 3 regulated	4783	0.911149596	10.60760966	1.17E-05	0.002599809
ILMN_1810176	MAP3K7	mitogen-activated protein kinase kinase kinase 7	6885	0.822645718	10.59345092	1.18E-05	0.002599809
ILMN_1676423	CCNC	cyclin C	892	0.67291341	10.59696879	1.18E-05	0.002599809
ILMN_1661432	NUP43	nucleoporin 43kDa	348995	0.882984244	10.58286712	1.19E-05	0.002602184
ILMN_1704876	USP38	ubiquitin specific peptidase 38	84640	0.815080912	10.57787102	1.19E-05	0.002602184
ILMN_1778673	GOLGA7	golgin A7	51125	0.81805715	10.54128897	1.22E-05	0.002638991
ILMN_1658437	SFXN4	sideroflexin 4	119559	-0.9455888	-10.541443	1.22E-05	0.002638991
ILMN_1750429	MKNK1	MAP kinase interacting serine/threonine kinase 1	8569	1.258137854	10.50824875	1.24E-05	0.002638991
ILMN_2063500	IFT52	intraflagellar transport 52 homolog (Chlamydomonas)	51098	0.882779105	10.51256689	1.24E-05	0.002638991
ILMN_1672728	KCTD5	potassium channel tetramerisation domain containing 5	54442	0.855131139	10.5179577	1.24E-05	0.002638991
ILMN_1760718	ZMIZ2	zinc finger, MIZ-type containing 2	83637	0.705490288	10.50949708	1.24E-05	0.002638991
ILMN_2384591	HN1	hematological and neurological expressed 1	51155	1.273234771	10.49801858	1.25E-05	0.002638991
ILMN_1760360	LTN1	listerin E3 ubiquitin protein ligase 1	26046	0.670907017	10.48755164	1.26E-05	0.002638991
ILMN_2168449	DHX15	DEAH (Asp-Glu-Ala-His) box polypeptide 15	1665	-0.68769228	-10.4945765	1.26E-05	0.002638991
ILMN_1793894	ANAPC13	anaphase promoting complex subunit 13	25847	-1.45848422	-10.4878608	1.26E-05	0.002638991
ILMN_1781623	TEX264	testis expressed 264	51368	-0.63568538	-10.4393649	1.30E-05	0.00270134
ILMN_1756910	PLA2G15	phospholipase A2, group XV	23659	0.89126189	10.42881725	1.31E-05	0.00270134
ILMN_1714197	ACSS2	acyl-CoA synthetase short-chain family member 2	55902	0.87649537	10.42827419	1.31E-05	0.00270134
ILMN_2148847	AKIRIN2	akirin 2	55122	0.684395421	10.42528108	1.31E-05	0.00270134
ILMN_1668039	GYPC	glycophorin C (Gerbich blood group)	2995	-0.91258959	-10.4135423	1.32E-05	0.002710573
ILMN_1729430	FBXO18	F-box protein, helicase, 18	84893	0.6938293	10.40015865	1.34E-05	0.002722839
ILMN_1712755	LRRC41	leucine rich repeat containing 41	10489	-0.92255919	-10.3773706	1.36E-05	0.002752165
ILMN_1782057	ATP8B2	ATPase, aminophospholipid transporter, class I, type 8B, member 2	57198	0.785187051	10.36534285	1.37E-05	0.002762332

III_ID	Symbol	Name	Entrez	logFC	t	P.Value	adj.P.Val
ILMN_1775708	SLC2A3	solute carrier family 2 (facilitated glucose transporter), member 3	6515	2.06593008	10.32599668	1.40E-05	0.002813252
ILMN_1673991	ATIC	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	471	-0.79842764	-10.3248724	1.40E-05	0.002813252
ILMN_1800889	FIG4	FIG4 homolog, SAC1 lipid phosphatase domain containing (S. cerevisiae)	9896	0.598028947	10.31103436	1.42E-05	0.002827269
ILMN_3240389	CPOX	coproporphyrinogen oxidase	1371	1.027589376	10.29398116	1.43E-05	0.002835762
ILMN_1681590	LARP1	La ribonucleoprotein domain family, member 1	23367	-0.8135558	-10.2994263	1.43E-05	0.002835762
ILMN_1913678	IRAK3	interleukin-1 receptor-associated kinase 3	11213	-0.66412124	-10.2862093	1.44E-05	0.002838691
ILMN_1734483	BSDC1	BSD domain containing 1	55108	1.017411053	10.27795746	1.45E-05	0.002842583
ILMN_2402168	EXOSC10	exosome component 10	5394	-0.82853123	-10.2522673	1.47E-05	0.002872499
ILMN_1756204	RPS6KA4	ribosomal protein S6 kinase, 90kDa, polypeptide 4	8986	-0.60114894	-10.2438049	1.48E-05	0.002872499
ILMN_1806946	UBTF	upstream binding transcription factor, RNA polymerase I	7343	-0.66652095	-10.2469034	1.48E-05	0.002872499
ILMN_1810488	NFYC	nuclear transcription factor Y, gamma	4802	-0.89393639	-10.2372603	1.49E-05	0.002873424
ILMN_1705783	NXF1	nuclear RNA export factor 1	10482	1.47965409	10.22215163	1.50E-05	0.00287954
ILMN_1676799	MFAP1	microfibrillar-associated protein 1	4236	0.654469955	10.21947784	1.50E-05	0.00287954
ILMN_1669881	TSPAN13	tetraspanin 13	27075	1.445120948	10.21493734	1.51E-05	0.00287954
ILMN_1800276	RCN1	reticulocalbin 1, EF-hand calcium binding domain	5954	-1.61312935	-10.2100994	1.51E-05	0.00287954
ILMN_1794914	UBTD1	ubiquitin domain containing 1	80019	0.729596902	10.20246868	1.52E-05	0.002882818
ILMN_1690420	GFI1	growth factor independent 1 transcription repressor	2672	-1.57076472	-10.1798629	1.55E-05	0.002915132
ILMN_1765578	TIPARP	TCDD-inducible poly(ADP-ribose) polymerase	25976	1.298038009	10.1584525	1.57E-05	0.002929654
ILMN_1796177	GIPC1	GIPC PDZ domain containing family, member 1	10755	1.664752262	10.14654184	1.58E-05	0.002929654
ILMN_1664698	UNC119	unc-119 homolog (C. elegans)	9094	0.735439574	10.14673646	1.58E-05	0.002929654
ILMN_1782635	YARS2	tyrosyl-tRNA synthetase 2, mitochondrial	51067	-0.84838781	-10.1422513	1.58E-05	0.002929654
ILMN_2067269	RECK	reversion-inducing-cysteine-rich protein with kazal motifs	8434	1.457491539	10.13392442	1.59E-05	0.002929654
ILMN_2413259	SOCS4	suppressor of cytokine signaling 4	122809	0.63039772	10.12354493	1.60E-05	0.002929654
ILMN_1770206	GEMIN4	gem (nuclear organelle) associated protein 4	50628	-1.12020015	-10.1288063	1.60E-05	0.002929654
ILMN_1734198	RNGTT	RNA guanylyltransferase and 5'-phosphatase	8732	0.709729121	10.12088949	1.61E-05	0.002929654
ILMN_1689119	UNK	unkempt homolog (Drosophila)	85451	-0.61754534	-10.116075	1.61E-05	0.002929654
ILMN_1667825	MLKL	mixed lineage kinase domain-like	197259	-1.53127045	-10.1144708	1.61E-05	0.002929654
ILMN_2382657	ARHGAP9	Rho GTPase activating protein 9	64333	-0.91370711	-10.1037335	1.63E-05	0.002929654
ILMN_1772074	DNAAF3	dynein, axonemal, assembly factor 3	352909	0.61226288	10.09548572	1.64E-05	0.002929654
ILMN_1654920	HNRNPH3	heterogeneous nuclear ribonucleoprotein H3 (2H9)	3189	-0.90513092	-10.092796	1.64E-05	0.002929654
ILMN_2375599	RNH1	ribonuclease/angiogenin inhibitor 1	6050	-0.71078752	-10.0863051	1.65E-05	0.002929654
ILMN_1718207	SETDB1	SET domain, bifurcated 1	9869	-0.75640899	-10.0829413	1.65E-05	0.002929654
ILMN_1784207	PITHD1	PITH (C-terminal proteasome-interacting domain of thioredoxin-like) domain containing 1	57095	1.023321176	10.07034243	1.66E-05	0.002929654
ILMN_1681628	ZNF277	zinc finger protein 277	11179	0.889014465	10.07012995	1.66E-05	0.002929654
ILMN_1798705	CCNC	cyclin C	892	0.673332028	10.07563081	1.66E-05	0.002929654
ILMN_1723185	ELOF1	elongation factor 1 homolog (S. cerevisiae)	84337	0.979083649	10.06428421	1.67E-05	0.002929654
ILMN_1666632	VPS52	vacuolar protein sorting 52 homolog (S. cerevisiae)	6293	-0.75045083	-10.0599398	1.67E-05	0.002929654
ILMN_1773576	CPNE3	copine III	8895	1.825585684	10.04617423	1.69E-05	0.002946289
ILMN_1730294	INO80C	INO80 complex subunit C	125476	-0.63649842	-10.0089708	1.73E-05	0.002986668
ILMN_2312709	LCMT1	leucine carboxyl methyltransferase 1	51451	0.793353816	10.0050709	1.74E-05	0.002986668
ILMN_2365686	ALG8	asparagine-linked glycosylation 8, alpha-1,3-glucosyltransferase homolog (S. cerevisiae)	79053	-0.71405031	-10.0063905	1.74E-05	0.002986668
ILMN_1726108	CERS2	ceramide synthase 2	29956	-0.82661379	-10.0020311	1.74E-05	0.002986668
ILMN_2284591	OPA3	optic atrophy 3 (autosomal recessive, with chorea and spastic paraplegia)	80207	-1.0521705	-9.999534	1.74E-05	0.002986668
ILMN_2090123	DHX29	DEAH (Asp-Glu-Ala-His) box polypeptide 29	54505	0.770077276	9.991340724	1.75E-05	0.002992666
ILMN_1804988	MOAP1	modulator of apoptosis 1	64112	0.61099769	9.976380572	1.77E-05	0.003011175
ILMN_1738921	ACAA1	acetyl-CoA acyltransferase 1	30	0.750714812	9.969308959	1.78E-05	0.003011175
ILMN_1667356	PPP1R21	protein phosphatase 1, regulatory subunit 21	129285	0.808272251	9.963813972	1.79E-05	0.003011175
ILMN_1811615	COPA	coatomer protein complex, subunit alpha	1314	0.661316013	9.958151022	1.79E-05	0.003011175
ILMN_1760676	MORF4L1	mortality factor 4 like 1	10933	-0.92166836	-9.95068613	1.80E-05	0.003011175
ILMN_1743456	ZCCHC14	zinc finger, CCHC domain containing 14	23174	0.600295669	9.94621671	1.81E-05	0.003011175
ILMN_1698766	PYCARD	PYD and CARD domain containing	29108	-1.06256078	-9.9469227	1.81E-05	0.003011175
ILMN_1768598	LAIR1	leukocyte-associated immunoglobulin-like receptor 1	3903	-1.03722954	-9.93091624	1.83E-05	0.003032261
ILMN_1752728	FUCA1	fucosidase, alpha-L- 1, tissue	2517	1.405349857	9.90999776	1.85E-05	0.003046465
ILMN_1665423	ZFP91	zinc finger protein 91 homolog (mouse)	80829	-1.37060223	-9.91141901	1.85E-05	0.003046465
ILMN_1753862	SRP54	signal recognition particle 54kDa	6729	0.736521145	9.906215882	1.86E-05	0.003046465
ILMN_1713496	ST3GAL5	ST3 beta-galactoside alpha-2,3-sialyltransferase 5	8869	0.677983761	9.904021898	1.86E-05	0.003046465
ILMN_1747775	STX2	syntaxin 2	2054	0.769091345	9.879263375	1.89E-05	0.003088044
ILMN_2352293	PRDM10	PR domain containing 10	56980	-0.70668744	-9.84840055	1.93E-05	0.003128737
ILMN_2411963	RBM39	RNA binding motif protein 39	9584	-0.95731984	-9.8513549	1.93E-05	0.003128737
ILMN_1658800	BRPF3	bromodomain and PHD finger containing, 3	27154	-0.59254136	-9.84040586	1.94E-05	0.003129115
ILMN_1797341	ARID1A	AT rich interactive domain 1A (SWI-like)	8289	-0.99840581	-9.84545306	1.94E-05	0.003128737

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ILMN_1708414	GNL3L	guanine nucleotide binding protein-like 3 (nucleolar)-like	54552	-0.8867953	-9.82853428	1.96E-05	0.003144268
ILMN_2214144	TWSG1	twisted gastrulation homolog 1 (Drosophila)	57045	0.947682668	9.811616024	1.98E-05	0.003170568
ILMN_2403730	ATP6V1H	ATPase, H+ transporting, lysosomal 50/57kDa, V1 subunit H	51606	0.795532541	9.804175637	1.99E-05	0.00317633
ILMN_1733998	DHRS9	dehydrogenase/reductase (SDR family) member 9	10170	-1.613789	-9.79486474	2.01E-05	0.003186262
ILMN_2364674	TRPT1	tRNA phosphotransferase 1	83707	0.967629298	9.776662447	2.03E-05	0.003215987
ILMN_3307930	RAN	RAN, member RAS oncogene family	5901	-0.78350768	-9.76959665	2.04E-05	0.003221154
ILMN_1677085	RGS19	regulator of G-protein signaling 19	10287	-1.51135784	-9.76382218	2.05E-05	0.003223489
ILMN_2119774	CYP2R1	cytochrome P450, family 2, subfamily R, polypeptide 1	120227	0.939134535	9.750655402	2.07E-05	0.003242438
ILMN_1697735	EWSR1	Ewing sarcoma breakpoint region 1	2130	-0.62252007	-9.74496906	2.08E-05	0.003244681
ILMN_1703142	2-Mar	membrane-associated ring finger (C3HC4) 2, E3 ubiquitin protein ligase	51257	0.898289667	9.722617772	2.11E-05	0.003257024
ILMN_2121282	MRPS18B	mitochondrial ribosomal protein S18B	28973	-0.96056794	-9.72330208	2.11E-05	0.003257024
ILMN_1654289	ELK1	ELK1, member of ETS oncogene family	2002	0.710713896	9.714181868	2.12E-05	0.003257024
ILMN_2321451	HNRNPD	heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kDa)	3184	-0.59952996	-9.7159551	2.12E-05	0.003257024
ILMN_2263144	TMEM223	transmembrane protein 223	79064	-0.665343	-9.71646411	2.12E-05	0.003257024
ILMN_1769250	ARFGAP2	ADP-ribosylation factor GTPase activating protein 2	84364	-0.63934225	-9.71173392	2.13E-05	0.003257024
ILMN_1707156	LRRFIP2	leucine rich repeat (in FLII) interacting protein 2	9209	0.742649383	9.703564878	2.14E-05	0.003265197
ILMN_1674394	APMAP	adipocyte plasma membrane associated protein	57136	0.646430229	9.689310522	2.16E-05	0.003276434
ILMN_1725169	INTS12	integrator complex subunit 12	57117	0.616586865	9.689819292	2.16E-05	0.003276434
ILMN_1795911	TTC37	tetratricopeptide repeat domain 37	9652	0.701389864	9.680390994	2.17E-05	0.003276434
ILMN_1773964	H1FX	H1 histone family, member X	8971	1.509204487	9.676047819	2.18E-05	0.003276434
ILMN_1772527	C12orf44	chromosome 12 open reading frame 44	60673	0.748587221	9.677228032	2.18E-05	0.003276434
ILMN_3200362	NA	NA	NA	0.855152185	9.667780257	2.19E-05	0.003284767
ILMN_1771987	SLC44A2	solute carrier family 44, member 2	57153	1.504855373	9.663489814	2.20E-05	0.003284767
ILMN_1728163	CTDSP1	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	58190	-0.8136517	-9.65743117	2.21E-05	0.003288495
ILMN_2263718	SPAG9	sperm associated antigen 9	9043	1.000895624	9.646639964	2.22E-05	0.003300105
ILMN_1812580	YDJC	YdjC homolog (bacterial)	150223	-0.97663716	-9.64316882	2.23E-05	0.003300105
ILMN_1727813	MPC2	mitochondrial pyruvate carrier 2	25874	0.712431276	9.63398071	2.24E-05	0.003302025
ILMN_1707084	UBE2D4	ubiquitin-conjugating enzyme E2D 4 (putative)	51619	-0.71461933	-9.63918353	2.24E-05	0.003300105
ILMN_2154052	KDSR	3-ketodihydrosphingosine reductase	2531	0.613149391	9.62938347	2.25E-05	0.003302582
ILMN_1698533	IDH3A	isocitrate dehydrogenase 3 (NAD+) alpha	3419	0.82056107	9.606884442	2.29E-05	0.003335868
ILMN_1754234	ZMYND11	zinc finger, MYND-type containing 11	10771	-1.43293755	-9.60642868	2.29E-05	0.003335868
ILMN_1717334	VAV1	vav 1 guanine nucleotide exchange factor	7409	-0.698486	-9.58669359	2.32E-05	0.003372257
ILMN_1682404	SETMAR	SET domain and mariner transposase fusion gene	6419	-0.82212488	-9.58060656	2.33E-05	0.003376536
ILMN_3239460	OAZ2	ornithine decarboxylase antizyme 2	4947	0.992258449	9.560493199	2.36E-05	0.003414452
ILMN_1802557	HEBP1	heme binding protein 1	50865	0.975963956	9.546546453	2.39E-05	0.003437906
ILMN_1735930	KLF2	Kruppel-like factor 2 (lung)	10365	1.502085136	9.532884508	2.41E-05	0.003460898
ILMN_1785268	CD58	CD58 molecule	965	-0.65224099	-9.52207026	2.43E-05	0.003473572
ILMN_2412549	GAR1	GAR1 ribonucleoprotein homolog (yeast)	54433	-0.97300194	-9.51889174	2.43E-05	0.003473572
ILMN_2343048	ABCB9	ATP-binding cassette, sub-family B (MDR/TAP), member 9	23457	0.90559541	9.515122374	2.44E-05	0.003473572
ILMN_2331163	CUL4A	cullin 4A	8451	-0.55974774	-9.50440883	2.46E-05	0.003489719
ILMN_2360705	ACSL3	acyl-CoA synthetase long-chain family member 3	2181	1.162027142	9.488710925	2.49E-05	0.003518425
ILMN_3178529	FAM108A1	family with sequence similarity 108, member A1	81926	0.780126267	9.477605596	2.51E-05	0.003535891
ILMN_1702806	PDCL3	phosducin-like 3	79031	-0.77962136	-9.4701997	2.52E-05	0.003544165
ILMN_1749006	RCSD1	RCSD domain containing 1	92241	-0.92560207	-9.45414971	2.55E-05	0.003574432
ILMN_3260070	RAN	RAN, member RAS oncogene family	5901	-0.78422648	-9.44329416	2.57E-05	0.003591719
ILMN_3230608	NA	NA	NA	0.675750747	9.420979013	2.61E-05	0.00363759
ILMN_2412294	GNB5	guanine nucleotide binding protein (G protein), beta 5	10681	0.554446064	9.417394433	2.62E-05	0.00363759
ILMN_1723768	NLRX1	NLR family member X1	79671	-1.06200345	-9.39225688	2.66E-05	0.003690275
ILMN_1759436	NOSIP	nitric oxide synthase interacting protein	51070	0.995104935	9.38524173	2.68E-05	0.003690275
ILMN_1783956	ATP8B4	ATPase, class I, type 8B, member 4	79895	-1.30514761	-9.38602726	2.68E-05	0.003690275
ILMN_2093500	ZBED5	zinc finger, BED-type containing 5	58486	-0.71895779	-9.37631687	2.69E-05	0.003694714
ILMN_1803197	RAB3IP	RAB3A interacting protein (rabin3)	117177	0.95784616	9.37163213	2.70E-05	0.003694714
ILMN_2241775	TROVE2	TROVE domain family, member 2	6738	0.62702503	9.373691941	2.70E-05	0.003694714
ILMN_1716816	TMEM87A	transmembrane protein 87A	25963	-0.67333377	-9.36648984	2.71E-05	0.003697873
ILMN_2379130	IRAK1	interleukin-1 receptor-associated kinase 1	3654	-1.05517372	-9.34917573	2.75E-05	0.003733592
ILMN_1653438	PHF14	PHD finger protein 14	9678	-0.73327771	-9.3173975	2.81E-05	0.003804713
ILMN_2386008	MPZL1	myelin protein zero-like 1	9019	1.084901392	9.310960837	2.82E-05	0.003804713
ILMN_1701991	SYNJ1	synaptojanin 1	8867	0.761465862	9.305889211	2.83E-05	0.003804713
ILMN_1757467	H1F0	H1 histone family, member 0	3005	3.082548467	9.303202989	2.84E-05	0.003804713
ILMN_2363106	RBM23	RNA binding motif protein 23	55147	-1.11664865	-9.303917	2.84E-05	0.003804713
ILMN_1716093	KRT10	keratin 10	3858	-0.70153651	-9.29968185	2.85E-05	0.003804713
ILMN_1747281	EVI5L	ecotropic viral integration site 5-like	115704	1.21517813	9.293617779	2.86E-05	0.00380598
ILMN_2196347	CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	1027	-0.78383686	-9.29155607	2.86E-05	0.00380598
ILMN_1728426	INPPL1	inositol polyphosphate phosphatase-like 1	3636	-0.74900006	-9.28670694	2.87E-05	0.003808829

Ill_ID	Symbol	Name	Entrez	logFC	t	P.Value	adj.P.Val
ILMN_1670895	ZNF207	zinc finger protein 207	7756	-0.6503681	-9.27358954	2.90E-05	0.003830326
ILMN_1777526	MED20	mediator complex subunit 20	9477	0.994571791	9.26656631	2.92E-05	0.003830326
ILMN_2096719	GRK5	G protein-coupled receptor kinase 5	2869	0.796099965	9.26435615	2.92E-05	0.003830326
ILMN_3307729	CXXC5	CXXC finger protein 5	51523	-0.69198711	-9.26380054	2.92E-05	0.003830326
ILMN_1789492	ZDHHC8	zinc finger, DHHC-type containing 8	29801	0.748606468	9.253463247	2.94E-05	0.003836055
ILMN_1679641	FAM120B	family with sequence similarity 120B	84498	0.734383393	9.25060587	2.95E-05	0.003836055
ILMN_1812552	ACER3	alkaline ceramidase 3	55331	0.579007527	9.247587747	2.96E-05	0.003836055
ILMN_2354381	PON2	paraoxonase 2	5445	-0.96688779	-9.2467982	2.96E-05	0.003836055
ILMN_2166524	CCNYL1	cyclin Y-like 1	151195	0.732976551	9.226144236	3.00E-05	0.003883602
ILMN_2146372	KCTD6	potassium channel tetramerisation domain containing 6	200845	0.975602679	9.212275354	3.03E-05	0.003896551
ILMN_2404135	RIOK3	RIO kinase 3 (yeast)	8780	0.95361158	9.214332212	3.03E-05	0.003896551
ILMN_1725642	SUMO3	SMT3 suppressor of mif two 3 homolog 3 (S. cerevisiae)	6612	-1.06582935	-9.21053828	3.04E-05	0.003896551
ILMN_1784227	MCRS1	microspherule protein 1	10445	-1.02869344	-9.20320586	3.05E-05	0.003905854
ILMN_2046470	DAAM1	dishevelled associated activator of morphogenesis 1	23002	0.888101015	9.198521188	3.06E-05	0.003905854
ILMN_2364535	SNUPN	snurportin 1	10073	-0.96513375	-9.19611831	3.07E-05	0.003905854
ILMN_1785756	H2AFX	H2A histone family, member X	3014	0.92843682	9.188171245	3.09E-05	0.003905854
ILMN_1772124	ATRN	attractin	8455	0.5466212	9.189166776	3.09E-05	0.003905854
ILMN_2336982	NPTN	neuroplastin	27020	0.811434727	9.182875864	3.10E-05	0.003905854
ILMN_1749345	STX5	syntaxin 5	6811	0.763991124	9.181916901	3.10E-05	0.003905854
ILMN_1726434	UNC45A	unc-45 homolog A (C. elegans)	55898	0.834516247	9.164799531	3.14E-05	0.00393011
ILMN_1795429	VCL	vinculin	7414	1.660302986	9.159192238	3.15E-05	0.00393011
ILMN_1685369	SLU7	SLU7 splicing factor homolog (S. cerevisiae)	10569	0.725028026	9.162377073	3.15E-05	0.00393011
ILMN_1797074	EMG1	EMG1 nucleolar protein homolog (S. cerevisiae)	10436	-0.94160615	-9.1587552	3.15E-05	0.00393011
ILMN_1653165	AAMP	angio-associated, migratory cell protein	14	0.737323141	9.155671453	3.16E-05	0.00393011
ILMN_1813374	MFSD12	major facilitator superfamily domain containing 12	126321	0.750971898	9.151598592	3.17E-05	0.003931692
ILMN_2313730	RHOC	ras homolog family member C	389	1.001292834	9.144377649	3.19E-05	0.003932282
ILMN_1727738	RAB33B	RAB33B, member RAS oncogene family	83452	0.881696498	9.145366381	3.19E-05	0.003932282
ILMN_1712298	ANKRD46	ankyrin repeat domain 46	157567	0.596323204	9.128692336	3.22E-05	0.003966889
ILMN_1811468	IRX3	iroquois homeobox 3	79191	-2.04637778	-9.1247791	3.23E-05	0.003966889
ILMN_1791388	ZNF787	zinc finger protein 787	126208	-1.15697502	-9.1219945	3.24E-05	0.003966889
ILMN_1716583	NME7	NME/NM23 family member 7	29922	0.81172498	9.118451554	3.25E-05	0.003967134
ILMN_1707077	SORT1	sortilin 1	6272	0.732233006	9.114655143	3.26E-05	0.003968147
ILMN_1740772	APBB3	amyloid beta (A4) precursor protein-binding, family B, member 3	10307	0.607099263	9.108116181	3.27E-05	0.003977204
ILMN_1787705	ATP6V1B2	ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2	526	1.039106706	9.092641012	3.31E-05	0.004002553
ILMN_1773901	STX12	syntaxin 12	23673	0.752434362	9.093500027	3.31E-05	0.004002553
ILMN_1791896	EBAG9	estrogen receptor binding site associated, antigen, 9	9166	-0.53603509	-9.08171153	3.34E-05	0.00401475
ILMN_2232177	ACTN1	actinin, alpha 1	87	-0.8990056	-9.08213524	3.34E-05	0.00401475
ILMN_1660232	PEX5	peroxisomal biogenesis factor 5	5830	0.974306005	9.066241266	3.38E-05	0.004050717
ILMN_1805812	TOR1A	torsin family 1, member A (torsin A)	1861	-0.70369371	-9.05732729	3.40E-05	0.004067338
ILMN_2123567	SENP2	SUMO1/sentrin/SMT3 specific peptidase 2	59343	0.677774475	9.049597002	3.42E-05	0.004080501
ILMN_2085862	SLC15A3	solute carrier family 15, member 3	51296	-0.67383306	-9.04391474	3.43E-05	0.004085909
ILMN_1690524	VAMP7	vesicle-associated membrane protein 7	6845	0.67963479	9.041116405	3.44E-05	0.004085909
ILMN_2370208	CMTM3	CKLF-like MARVEL transmembrane domain containing 3	123920	-0.71338162	-9.0320488	3.46E-05	0.004103306
ILMN_1656676	ZYG11B	zyg-11 homolog B (C. elegans)	79699	0.644041225	9.021560484	3.49E-05	0.00412517
ILMN_2385220	DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide	1676	0.950604237	9.006511239	3.53E-05	0.004143751
ILMN_2094061	IMPA2	inositol(myo)-1(or 4)-monophosphatase 2	3613	0.778839726	9.005773184	3.53E-05	0.004143751
ILMN_1765204	ST13	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein)	6767	0.558921905	9.002139697	3.54E-05	0.004143751
ILMN_1663035	SREBF1	sterol regulatory element binding transcription factor 1	6720	1.062879797	9.00011702	3.55E-05	0.004143751
ILMN_1774334	HIGD2A	HIG1 hypoxia inducible domain family, member 2A	192286	-0.56349183	-8.99299764	3.56E-05	0.004143751
ILMN_2413064	ST6GALNAC4	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 4	27090	0.757373621	8.990477694	3.57E-05	0.004143751
ILMN_1674650	NMRK1	nicotinamide riboside kinase 1	54981	0.836302809	8.987060187	3.58E-05	0.004143751
ILMN_1727309	FAM82A2	family with sequence similarity 82, member A2	55177	0.79533269	8.982840858	3.59E-05	0.004143751
ILMN_1665217	CEP19	centrosomal protein 19kDa	84984	0.772374091	8.983988288	3.59E-05	0.004143751
ILMN_1790962	RINL	Ras and Rab interactor-like	126432	-0.60589466	-8.98521476	3.59E-05	0.004143751
ILMN_1760256	RBM22	RNA binding motif protein 22	55696	-0.7245387	-8.97751622	3.61E-05	0.004150258
ILMN_1761259	EXT2	exostosin 2	2132	0.567638983	8.970947654	3.62E-05	0.004158029
ILMN_1659857	SNAP29	synaptosomal-associated protein, 29kDa	9342	0.844994678	8.96859848	3.63E-05	0.004158029
ILMN_1759883	SRP9	signal recognition particle 9kDa	6726	-0.63814735	-8.96188531	3.65E-05	0.004161648
ILMN_2075189	SLC35F2	solute carrier family 35, member F2	54733	-0.8196074	-8.96105999	3.65E-05	0.004161648
ILMN_3251137	METTL21A	methyltransferase like 21A	151194	-0.66431357	-8.94237287	3.70E-05	0.004208838
ILMN_1742224	SLTM	SAFB-like, transcription modulator	79811	-0.84948201	-8.93951809	3.71E-05	0.004208838
ILMN_1668194	LMTK3	lemur tyrosine kinase 3	114783	1.607382583	8.936474297	3.72E-05	0.004208838
ILMN_1675124	DDX17	DEAD (Asp-Glu-Ala-Asp) box helicase 17	10521	-0.77077997	-8.93001929	3.74E-05	0.004219278

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ILMN_1779163	C11orf67	chromosome 11 open reading frame 67	28971	1.244737506	8.926021551	3.75E-05	0.004222006
ILMN_2054233	SENP6	SUMO1/sentrin specific peptidase 6	26054	-1.08456783	-8.92190556	3.76E-05	0.004222603
ILMN_1709549	PLEKHM1	pleckstrin homology domain containing, family M (with RUN domain) member 1	9842	0.580309716	8.919590623	3.77E-05	0.004222603
ILMN_2356574	GTF3C2	general transcription factor IIIC, polypeptide 2, beta 110kDa	2976	-0.5527147	-8.89887181	3.82E-05	0.004278719
ILMN_1813938	CHCHD4	coiled-coil-helix-coiled-coil-helix domain containing 4	131474	-1.30336686	-8.89167359	3.85E-05	0.004288592
ILMN_1738749	MAST3	microtubule associated serine/threonine kinase 3	23031	1.002372636	8.887125107	3.86E-05	0.004288592
ILMN_1761147	GABPB1	GA binding protein transcription factor, beta subunit 1	2553	-0.75767179	-8.88654134	3.86E-05	0.004288592
ILMN_1772486	ELF2	E74-like factor 2 (ets domain transcription factor)	1998	-0.5768886	-8.87438909	3.90E-05	0.004317972
ILMN_1683175	RPP25L	ribonuclease P/MRP 25kDa subunit-like	138716	-0.79186654	-8.86880153	3.91E-05	0.004323038
ILMN_1654541	ATP6V1G2	ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G2	534	0.869396277	8.866719419	3.92E-05	0.004323038
ILMN_3248781	SDHAP2	succinate dehydrogenase complex, subunit A, flavoprotein pseudogene 2	727956	0.861650106	8.859418909	3.94E-05	0.004336918
ILMN_1718297	EML4	echinoderm microtubule associated protein like 4	27436	0.737305391	8.842321919	3.99E-05	0.004383141
ILMN_1812721	HIP1R	huntingtin interacting protein 1 related	9026	0.658310212	8.830445533	4.03E-05	0.004412537
ILMN_1692754	VMP1	vacuole membrane protein 1	81671	0.864825873	8.825182982	4.04E-05	0.004420046
ILMN_1754121	CSK	c-src tyrosine kinase	1445	-0.72311606	-8.82176379	4.05E-05	0.004421434
ILMN_1789839	GTF3C1	general transcription factor IIIC, polypeptide 1, alpha 220kDa	2975	0.586338123	8.814952505	4.07E-05	0.00443421
ILMN_1709227	CCDC84	coiled-coil domain containing 84	338657	0.60176718	8.810573791	4.09E-05	0.00443728
ILMN_1656111	MYLIP	myosin regulatory light chain interacting protein	29116	1.174562794	8.803834135	4.11E-05	0.00443728
ILMN_3281502	WBSCR16	Williams-Beuren syndrome chromosome region 16	81554	-0.55979631	-8.80014833	4.12E-05	0.00443728
ILMN_3210917	SET	SET nuclear oncogene	6418	-0.64379274	-8.79570699	4.13E-05	0.00443728
ILMN_1696466	ROPN1L	rhophilin associated tail protein 1-like	83853	1.005631574	8.794321799	4.14E-05	0.00443728
ILMN_1799104	SPAG9	sperm associated antigen 9	9043	0.68235411	8.793555933	4.14E-05	0.00443728
ILMN_1751072	SRPRB	signal recognition particle receptor, B subunit	58477	-0.74343782	-8.79035299	4.15E-05	0.00443728
ILMN_2317730	ELMO2	engulfment and cell motility 2	63916	0.983664057	8.787424279	4.16E-05	0.00443728
ILMN_1745904	CCDC6	coiled-coil domain containing 6	8030	0.666988802	8.787771539	4.16E-05	0.00443728
ILMN_1811178	SCAPER	S-phase cyclin A-associated protein in the ER	49855	0.584297722	8.777526508	4.19E-05	0.004453376
ILMN_1748883	CDKN2D	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	1032	0.914936393	8.774649631	4.20E-05	0.004453376
ILMN_1707503	SZRD1	SUZ RNA binding domain containing 1	26099	-0.57624745	-8.77391708	4.20E-05	0.004453376
ILMN_1780236	PMM1	phosphomannomutase 1	5372	0.73548751	8.768309084	4.22E-05	0.004462557
ILMN_1681890	DYNLT3	dynein, light chain, Tctex-type 3	6990	0.658036597	8.764017547	4.23E-05	0.004467317
ILMN_1792078	RNF114	ring finger protein 114	55905	0.664465022	8.760062114	4.25E-05	0.004470966
ILMN_1670796	EXOSC10	exosome component 10	5394	-0.97241846	-8.75702568	4.26E-05	0.004471518
ILMN_1761566	CYSTM1	cysteine-rich transmembrane module containing 1	84418	0.595629796	8.746313085	4.29E-05	0.004475899
ILMN_1682567	CCDC106	coiled-coil domain containing 106	29903	-0.68143677	-8.74553195	4.29E-05	0.004475899
ILMN_1738326	EIF4E2	eukaryotic translation initiation factor 4E family member 2	9470	-0.74907308	-8.74600322	4.29E-05	0.004475899
ILMN_3250243	METTL21A	methyltransferase like 21A	151194	-0.77309936	-8.74338103	4.30E-05	0.004475899
ILMN_1673138	ZBTB33	zinc finger and BTB domain containing 33	10009	-1.02098274	-8.74023043	4.31E-05	0.004475899
ILMN_2239772	FAM108A1	family with sequence similarity 108, member A1	81926	0.572275612	8.733461989	4.33E-05	0.004475899
ILMN_1781479	SUV39H1	suppressor of variegation 3-9 homolog 1 (Drosophila)	6839	-0.93565838	-8.73569262	4.33E-05	0.004475899
ILMN_1748077	DDX59	DEAD (Asp-Glu-Ala-Asp) box polypeptide 59	83479	-0.64300581	-8.7330004	4.34E-05	0.004475899
ILMN_2403906	ARFIP1	ADP-ribosylation factor interacting protein 1	27236	0.779302716	8.725967487	4.36E-05	0.004490336
ILMN_1760121	RRAGC	Ras-related GTP binding C	64121	0.602095677	8.721701233	4.37E-05	0.004495352
ILMN_1672940	ZNF562	zinc finger protein 562	54811	-0.6086207	-8.70744539	4.42E-05	0.004522802
ILMN_1673788	CDV3	CDV3 homolog (mouse)	55573	-0.50416164	-8.70056065	4.44E-05	0.004522802
ILMN_1798254	ACTR10	actin-related protein 10 homolog (S. cerevisiae)	55860	0.621412394	8.692356357	4.47E-05	0.004522802
ILMN_1778836	SRSF7	serine/arginine-rich splicing factor 7	6432	-1.04602752	-8.69419338	4.47E-05	0.004522802
ILMN_3271092	PPP1R21	protein phosphatase 1, regulatory subunit 21	129285	0.762187397	8.689028518	4.48E-05	0.004522802
ILMN_1739210	NSL1	NSL1, MIND kinetochore complex component, homolog (S. cerevisiae)	25936	0.534541642	8.688837729	4.48E-05	0.004522802
ILMN_1797310	ATP6V1D	ATPase, H+ transporting, lysosomal 34kDa, V1 subunit D	51382	0.806925146	8.685827906	4.49E-05	0.004522802
ILMN_1759008	ZNF689	zinc finger protein 689	115509	-0.88303751	-8.68702711	4.49E-05	0.004522802
ILMN_1692517	SORD	sorbitol dehydrogenase	6652	-0.74546138	-8.68339424	4.50E-05	0.004522802
ILMN_2331082	MS4A7	membrane-spanning 4-domains, subfamily A, member 7	58475	-1.2696835	-8.68391232	4.50E-05	0.004522802
ILMN_1662306	RABL3	RAB, member of RAS oncogene family-like 3	285282	-0.65980605	-8.68227718	4.51E-05	0.004522802
ILMN_1734602	SRRM2	serine/arginine repetitive matrix 2	23524	-0.90216914	-8.6806356	4.51E-05	0.004522802
ILMN_2167922	TRMT5	tRNA methyltransferase 5 homolog (S. cerevisiae)	57570	-0.80479583	-8.67498161	4.53E-05	0.004533002
ILMN_1713143	MRPL3	mitochondrial ribosomal protein L3	11222	-1.01054734	-8.67034466	4.55E-05	0.004539712
ILMN_2290998	CCS	copper chaperone for superoxide dismutase	9973	0.756282328	8.660714738	4.58E-05	0.004540018
ILMN_1706839	TCERG1	transcription elongation regulator 1	10915	-0.59485141	-8.66235598	4.58E-05	0.004540018

Ill_ID	Symbol	Name	Entrez	logFC	t	P.Value	adj.P.Val
ILMN_1714809	RPIA	ribose 5-phosphate isomerase A	22934	-0.68648546	-8.65721492	4.59E-05	0.004540018
ILMN_3237396	AAGAB	alpha- and gamma-adaptin binding protein	79719	0.54834215	8.656015764	4.60E-05	0.004540018
ILMN_2145280	DEF6	differentially expressed in FDCP 6 homolog (mouse)	50619	-0.91238188	-8.65324093	4.61E-05	0.004540018
ILMN_1731194	STRAP	serine/threonine kinase receptor associated protein	11171	0.674363631	8.644036699	4.64E-05	0.004540018
ILMN_1717490	RPL6	ribosomal protein L6	6128	-0.64650506	-8.64056425	4.65E-05	0.004540018
ILMN_1792997	NPTN	neuroplastin	27020	0.674800488	8.63915507	4.66E-05	0.004540018
ILMN_1657873	XPO4	exportin 4	64328	-0.641598	-8.63873709	4.66E-05	0.004540018
ILMN_1695792	CUL4A	cullin 4A	8451	-0.5995577	-8.63737449	4.67E-05	0.004540018
ILMN_1772521	MTHFD1L	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	25902	-0.84823467	-8.63617919	4.67E-05	0.004540018
ILMN_1723843	CSNK2A2	casein kinase 2, alpha prime polypeptide	1459	0.737057855	8.634175322	4.68E-05	0.004540018
ILMN_1693352	MRPL20	mitochondrial ribosomal protein L20	55052	-0.59773583	-8.63397745	4.68E-05	0.004540018
ILMN_1798620	PQLC1	PQ loop repeat containing 1	80148	0.713505329	8.629709915	4.69E-05	0.004540018
ILMN_2400322	DYRK3	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3	8444	0.685731136	8.630857231	4.69E-05	0.004540018
ILMN_1695706	H3F3B	H3 histone, family 3B (H3.3B)	3021	1.125553418	8.627772737	4.70E-05	0.004540018
ILMN_1721022	SHC1	SHC (Src homology 2 domain containing) transforming protein 1	6464	-0.74551534	-8.6211944	4.72E-05	0.004553943
ILMN_1801822	C18orf25	chromosome 18 open reading frame 25	147339	0.698436213	8.608837269	4.77E-05	0.004588355
ILMN_1671885	MLF2	myeloid leukemia factor 2	8079	0.63104934	8.600736944	4.80E-05	0.004606047
ILMN_3239426	GPN3	GPN-loop GTPase 3	51184	0.898564656	8.597757391	4.81E-05	0.004606047
ILMN_1659703	NA	NA	NA	-0.53396918	-8.59125996	4.83E-05	0.004606047
ILMN_1752953	BCL2L12	BCL2-like 12 (proline rich)	83596	0.657218801	8.588412921	4.84E-05	0.004606047
ILMN_1676575	IKZF1	IKAROS family zinc finger 1 (Ikaros)	10320	-0.82217606	-8.58915089	4.84E-05	0.004606047
ILMN_2390299	PSMB8	proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional peptidase 7)	5696	-1.09758398	-8.58965197	4.84E-05	0.004606047
ILMN_2400500	CERS2	ceramide synthase 2	29956	-1.03908223	-8.58088365	4.87E-05	0.004623813
ILMN_2397024	SPOP	speckle-type POZ protein	8405	-0.85293367	-8.56235743	4.94E-05	0.004666923
ILMN_1721651	UBE2H	ubiquitin-conjugating enzyme E2H	7328	0.771979717	8.559421492	4.95E-05	0.004666923
ILMN_1651347	SERTAD2	SERTA domain containing 2	9792	0.633433843	8.561325412	4.95E-05	0.004666923
ILMN_1795286	C6orf47	chromosome 6 open reading frame 47	57827	0.553819009	8.558758847	4.96E-05	0.004666923
ILMN_1789508	GTF3C3	general transcription factor IIIC, polypeptide 3, 102kDa	9330	-0.61551435	-8.55622268	4.97E-05	0.004666979
ILMN_1802753	TSSC4	tumor suppressing subtransferable candidate 4	10078	-0.57077575	-8.54834961	5.00E-05	0.004669222
ILMN_1739259	UBE4A	ubiquitination factor E4A	9354	0.766393998	8.544146051	5.01E-05	0.004669222
ILMN_2246956	BCL2	B-cell CLL/lymphoma 2	596	-0.71951952	-8.54574647	5.01E-05	0.004669222
ILMN_2112049	DNLZ	DNL-type zinc finger	728489	-0.99578142	-8.54601798	5.01E-05	0.004669222
ILMN_1723625	MAP4K2	mitogen-activated protein kinase kinase kinase kinase 2	5871	0.602283047	8.54059526	5.03E-05	0.004669222
ILMN_2158336	SH3GLB2	SH3-domain GRB2-like endophilin B2	56904	0.509893313	8.540755511	5.03E-05	0.004669222
ILMN_3238845	FAM165B	family with sequence similarity 165, member B	54065	-0.83433318	-8.53657162	5.04E-05	0.004674818
ILMN_3236367	IFFO2	intermediate filament family orphan 2	126917	0.589305033	8.528471525	5.08E-05	0.004695305
ILMN_2307450	ZNF302	zinc finger protein 302	55900	-0.74125697	-8.52508608	5.09E-05	0.004698652
ILMN_1703949	KPNB1	karyopherin (importin) beta 1	3837	-0.91550769	-8.52144029	5.10E-05	0.004702974
ILMN_1748124	TSC22D3	TSC22 domain family, member 3	1831	1.092673169	8.517541787	5.12E-05	0.004707787
ILMN_1789240	MLST8	MTOR associated protein, LST8 homolog (S. cerevisiae)	64223	-0.49917345	-8.51521499	5.13E-05	0.004707787
ILMN_2372413	BID	BH3 interacting domain death agonist	637	-0.50582057	-8.50430638	5.17E-05	0.004720569
ILMN_1751086	ATL3	atlastin GTPase 3	25923	-0.83929562	-8.50358673	5.17E-05	0.004720569
ILMN_1751571	RAD23A	RAD23 homolog A (S. cerevisiae)	5886	-0.5359355	-8.50138249	5.18E-05	0.004720569
ILMN_1792072	FUT4	fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)	2526	-1.4637023	-8.4982371	5.20E-05	0.004720569
ILMN_2272074	TROVE2	TROVE domain family, member 2	6738	0.655166633	8.495558205	5.21E-05	0.004720569
ILMN_1741300	ZNF407	zinc finger protein 407	55628	-0.59234718	-8.49471531	5.21E-05	0.004720569
ILMN_1690386	NA	NA	NA	-0.7841346	-8.49479912	5.21E-05	0.004720569
ILMN_1716071	PAQR3	progestin and adipoQ receptor family member III	152559	0.847189996	8.487839797	5.24E-05	0.004737053
ILMN_1712532	CARD9	caspase recruitment domain family, member 9	64170	-1.53907112	-8.47733656	5.28E-05	0.004767127
ILMN_1716922	DHX16	DEAH (Asp-Glu-Ala-His) box polypeptide 16	8449	0.742210656	8.474299184	5.29E-05	0.004769513
ILMN_1750256	ALS2	amyotrophic lateral sclerosis 2 (juvenile)	57679	0.956638021	8.471085109	5.31E-05	0.00477258
ILMN_1703335	LACTB	lactamase, beta	114294	0.953979721	8.468464379	5.32E-05	0.004773453
ILMN_1666206	GSDMB	gasdermin B	55876	0.621630033	8.45304209	5.38E-05	0.004817083
ILMN_2202915	FAR2	fatty acyl CoA reductase 2	55711	-0.83569196	-8.45174465	5.39E-05	0.004817083
ILMN_2175894	HNRNPR	heterogeneous nuclear ribonucleoprotein R	10236	-0.76716368	-8.44971952	5.40E-05	0.004817083
ILMN_1711862	RNF7	ring finger protein 7	9616	-0.79470668	-8.44237143	5.43E-05	0.004835947
ILMN_3237368	MAFG	v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (avian)	4097	-0.58212817	-8.4341477	5.46E-05	0.004852981
ILMN_2406410	RHBDD2	rhomboid domain containing 2	57414	0.858305314	8.429642095	5.48E-05	0.004852981
ILMN_1719972	PLXNA3	plexin A3	55558	0.81555407	8.429647415	5.48E-05	0.004852981
ILMN_1738681	NUP62	nucleoporin 62kDa	23636	-0.80153707	-8.42664285	5.50E-05	0.004852981
ILMN_1779404	PUF60	poly-U binding splicing factor 60KDa	22827	-0.88649553	-8.42615302	5.50E-05	0.004852981
ILMN_1674633	UBE2H	ubiquitin-conjugating enzyme E2H	7328	0.736459083	8.419310757	5.53E-05	0.004869899
ILMN_1716596	NSMAF	neutral sphingomyelinase (N-SMase) activation associated factor	8439	-1.54423895	-8.41706593	5.54E-05	0.004869899
ILMN_2181883	C14orf129	chromosome 14 open reading frame 129	51527	0.709349897	8.408315218	5.58E-05	0.004894215

Ill_ID	Symbol	Name	Entrez	logFC	t	P.Value	adj.P.Val
ILMN_1810055	ITFG3	integrin alpha FG-GAP repeat containing 3	83986	0.723746511	8.402611516	5.60E-05	0.004894215
ILMN_2325978	HDGFRP2	hepatoma-derived growth factor-related protein 2	84717	0.540759789	8.40327166	5.60E-05	0.004894215
ILMN_1787541	SPSB2	splA/ryanodine receptor domain and SOCS box containing 2	84727	0.596875138	8.401479846	5.61E-05	0.004894215
ILMN_1739946	VKORC1	vitamin K epoxide reductase complex, subunit 1	79001	0.533504246	8.397291729	5.62E-05	0.004901494
ILMN_3238623	LYRM7	Lyrm7 homolog (mouse)	90624	1.001267656	8.386423867	5.67E-05	0.0049243
ILMN_1764964	IFNGR2	interferon gamma receptor 2 (interferon gamma transducer 1)	3460	-1.47594443	-8.38675729	5.67E-05	0.0049243
ILMN_1808374	SNTB2	syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa, basic component 2)	6645	0.570268628	8.384530115	5.68E-05	0.0049243
ILMN_2400326	DYRK3	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3	8444	0.884084997	8.380729802	5.70E-05	0.004930206
ILMN_1782247	KAT2A	K(lysine) acetyltransferase 2A	2648	-0.84335373	-8.37780345	5.71E-05	0.004931811
ILMN_2104106	XPR1	xenotropic and polytropic retrovirus receptor 1	9213	1.038082055	8.375097249	5.72E-05	0.004931811
ILMN_1680223	PNPLA8	patatin-like phospholipase domain containing 8	50640	0.654362422	8.373502267	5.73E-05	0.004931811
ILMN_3246330	ASMTL	acetylserotonin O-methyltransferase-like	8623	1.09776207	8.365485226	5.77E-05	0.004947956
ILMN_1655126	PI4KAP1	phosphatidylinositol 4-kinase, catalytic, alpha pseudogene 1	728233	0.526002407	8.364846364	5.77E-05	0.004947956
ILMN_2154053	KDSR	3-ketodihydrosphingosine reductase	2531	0.670784651	8.356569652	5.81E-05	0.004971587
ILMN_2224907	C4orf34	chromosome 4 open reading frame 34	201895	0.66797356	8.350359853	5.84E-05	0.004987207
ILMN_3229324	SGK1	serum/glucocorticoid regulated kinase 1	6446	0.618349467	8.343959869	5.87E-05	0.00500366
ILMN_1763144	NEU1	sialidase 1 (lysosomal sialidase)	4758	1.484659162	8.331784879	5.92E-05	0.005043213
ILMN_1653404	NKIRAS2	NFKB inhibitor interacting Ras-like 2	28511	0.516375416	8.329562291	5.93E-05	0.005043213
ILMN_2224833	ADIPOR2	adiponectin receptor 2	79602	0.973809458	8.322844459	5.97E-05	0.005048191
ILMN_2165473	MID1IP1	MID1 interacting protein 1	58526	-0.66176626	-8.32165801	5.97E-05	0.005048191
ILMN_1767006	PSMB8	proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional peptidase 7)	5696	-1.04253253	-8.32205736	5.97E-05	0.005048191
ILMN_1745784	ZNF324	zinc finger protein 324	25799	0.629695642	8.316779674	5.99E-05	0.005058895
ILMN_1744471	ZNF654	zinc finger protein 654	55279	0.688047798	8.311387905	6.02E-05	0.005071716
ILMN_1809566	ZSCAN16	zinc finger and SCAN domain containing 16	80345	1.009564516	8.308789017	6.03E-05	0.005073319
ILMN_1711493	PRAM1	PML-RARA regulated adaptor molecule 1	84106	-0.87411516	-8.30491531	6.05E-05	0.005080088
ILMN_1715024	LSS	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)	4047	0.574661386	8.290902337	6.12E-05	0.005128108
ILMN_3243686	LTN1	listerin E3 ubiquitin protein ligase 1	26046	0.503732852	8.288647131	6.13E-05	0.005128393
ILMN_1754279	FBXW7	F-box and WD repeat domain containing 7, E3 ubiquitin protein ligase	55294	0.63625538	8.274019381	6.20E-05	0.005165087
ILMN_1653861	SCMH1	sex comb on midleg homolog 1 (Drosophila)	22955	-0.69922917	-8.27392475	6.20E-05	0.005165087
ILMN_1759419	ILVBL	ilvB (bacterial acetolactate synthase)-like	10994	-0.60781997	-8.27317601	6.21E-05	0.005165087
ILMN_1800390	ZNF511	zinc finger protein 511	118472	-0.87633712	-8.26980225	6.22E-05	0.005170066
ILMN_2181540	YY1	YY1 transcription factor	7528	-0.73614341	-8.25857679	6.28E-05	0.005207624
ILMN_3265343	ZMYM6NB	ZMYM6 neighbor	100506144	-0.77688899	-8.25608222	6.29E-05	0.005209034
ILMN_1745282	MOK	MOK protein kinase	5891	0.54232707	8.252035029	6.31E-05	0.005216934
ILMN_1815668	NA	NA	NA	-0.65872498	-8.24027988	6.37E-05	0.005257192
ILMN_1803312	DIMT1	DIM1 dimethyladenosine transferase 1 homolog (S. cerevisiae)	27292	-0.58932386	-8.23217447	6.41E-05	0.005270149
ILMN_1697460	REEP6	receptor accessory protein 6	92840	1.061616459	8.23126215	6.42E-05	0.005270149
ILMN_1697268	EMILIN2	elastin microfibril interfacer 2	84034	-1.05639043	-8.23079685	6.42E-05	0.005270149
ILMN_1740737	DCPS	decapping enzyme, scavenger	28960	-0.64480615	-8.22866464	6.43E-05	0.005270168
ILMN_1665291	NUB1	negative regulator of ubiquitin-like proteins 1	51667	0.678776331	8.212343689	6.52E-05	0.005330528
ILMN_1687519	SNAP23	synaptosomal-associated protein, 23kDa	8773	0.72680007	8.194274216	6.61E-05	0.005399012
ILMN_1805658	LTV1	LTV1 homolog (S. cerevisiae)	84946	-0.62080148	-8.19012554	6.63E-05	0.005399012
ILMN_2369580	NPRL3	nitrogen permease regulator-like 3 (S. cerevisiae)	8131	-0.94445545	-8.19029438	6.63E-05	0.005399012
ILMN_1703053	NA	NA	NA	-0.57486404	-8.18662906	6.65E-05	0.005405078
ILMN_1746704	TRIM8	tripartite motif containing 8	81603	-1.01647911	-8.17392204	6.72E-05	0.005451465
ILMN_1711516	ATP6V1A	ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A	523	1.229508716	8.170817072	6.74E-05	0.005453483
ILMN_2372011	SCAND1	SCAN domain containing 1	51282	-0.4929877	-8.16800117	6.75E-05	0.005453483
ILMN_1745954	CORO1C	coronin, actin binding protein, 1C	23603	1.157583867	8.167202938	6.76E-05	0.005453483
ILMN_3193306	TMEM251	transmembrane protein 251	26175	0.634722825	8.161628096	6.79E-05	0.005459739
ILMN_2395285	SNRNP35	small nuclear ribonucleoprotein 35kDa (U11/U12)	11066	-0.58189407	-8.16176087	6.79E-05	0.005459739
ILMN_1810977	CDV3	CDV3 homolog (mouse)	55573	-0.51059807	-8.15105438	6.84E-05	0.005497349
ILMN_1749838	MZF1	myeloid zinc finger 1	7593	-0.64699671	-8.14891089	6.86E-05	0.005497698
ILMN_1790534	MAP2K3	mitogen-activated protein kinase kinase 3	5606	1.107795991	8.142858494	6.89E-05	0.005515462
ILMN_1693210	NSMCE2	non-SMC element 2, MMS21 homolog (S. cerevisiae)	286053	0.47716959	8.138321158	6.92E-05	0.005517884
ILMN_1656628	WDR4	WD repeat domain 4	10785	-0.87735951	-8.1367928	6.92E-05	0.005517884
ILMN_1745497	METTL25	methyltransferase like 25	84190	-0.69058625	-8.13615797	6.93E-05	0.005517884
ILMN_2403458	SMARCB1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	6598	-0.80405082	-8.13370896	6.94E-05	0.005519689
ILMN_1682206	GCC1	GRIP and coiled-coil domain containing 1	79571	0.493524267	8.121430288	7.01E-05	0.005561373
ILMN_2374076	C14orf102	chromosome 14 open reading frame 102	55051	-0.5163052	-8.12034091	7.02E-05	0.005561373
ILMN_2149226	CAV1	caveolin 1, caveolae protein, 22kDa	857	0.753200022	8.117928083	7.03E-05	0.005562959
ILMN_2311518	TROVE2	TROVE domain family, member 2	6738	0.702330401	8.115930021	7.04E-05	0.005562959

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ILMN_2176768	SEPHS1	selenophosphate synthetase 1	22929	-0.96543462	-8.10880469	7.08E-05	0.005586021
ILMN_2397231	USP16	ubiquitin specific peptidase 16	10600	-0.62336629	-8.10215418	7.12E-05	0.005607056
ILMN_1811574	MAPK8IP3	mitogen-activated protein kinase 8 interacting protein 3	23162	0.636727203	8.091781416	7.18E-05	0.005645252
ILMN_1734153	GDI1	GDP dissociation inhibitor 1	2664	0.68391739	8.088022494	7.20E-05	0.005653287
ILMN_1766094	MOSPD2	motile sperm domain containing 2	158747	0.582846586	8.081098941	7.24E-05	0.005675946
ILMN_2180239	DOPEY2	dopey family member 2	9980	0.517446233	8.077554321	7.27E-05	0.005677807
ILMN_1690454	FAM212A	family with sequence similarity 212, member A	389119	-0.75367401	-8.07465966	7.28E-05	0.005677807
ILMN_1671005	IRF2BP2	interferon regulatory factor 2 binding protein 2	359948	-1.49281309	-8.07438155	7.28E-05	0.005677807
ILMN_1673820	HLTF	helicase-like transcription factor	6596	0.733296154	8.072684868	7.29E-05	0.005677807
ILMN_1814650	TRAPPC4	trafficking protein particle complex 4	51399	0.688701128	8.070731557	7.31E-05	0.005677807
ILMN_1729749	HERC5	HECT and RLD domain containing E3 ubiquitin protein ligase 5	51191	1.245520475	8.066054603	7.33E-05	0.005690285
ILMN_2330267	ABCE1	ATP-binding cassette, sub-family E (OABP), member 1	6059	-0.68944922	-8.06090077	7.36E-05	0.005693247
ILMN_1750518	ALYREF	Aly/REF export factor	10189	-0.68412513	-8.05975047	7.37E-05	0.005693247
ILMN_1803143	SYVN1	synovial apoptosis inhibitor 1, synoviolin	84447	0.879657686	8.057526243	7.38E-05	0.005693247
ILMN_1728698	GDE1	glycerophosphodiester phosphodiesterase 1	51573	0.713478563	8.058297468	7.38E-05	0.005693247
ILMN_1676846	ABCE1	ATP-binding cassette, sub-family E (OABP), member 1	6059	-0.84766559	-8.05029611	7.43E-05	0.005717708
ILMN_1694504	RNF220	ring finger protein 220	55182	-0.71322498	-8.04597762	7.45E-05	0.005717708
ILMN_1754114	FLJ20021	uncharacterized LOC90024	90024	0.726820551	8.044441166	7.46E-05	0.005717708
ILMN_1790782	MED16	mediator complex subunit 16	10025	-0.7311803	-8.04569871	7.46E-05	0.005717708
ILMN_1758250	TRAFD1	TRAF-type zinc finger domain containing 1	10906	0.734612588	8.03303562	7.53E-05	0.005762061
ILMN_1750079	PURB	purine-rich element binding protein B	5814	0.550052546	8.028276195	7.56E-05	0.005775346
ILMN_1736015	PHF17	PHD finger protein 17	79960	-0.74428602	-8.02359067	7.59E-05	0.005787045
ILMN_2344850	VPS26A	vacuolar protein sorting 26 homolog A (S. pombe)	9559	0.834028357	8.021928608	7.60E-05	0.005787045
ILMN_1705908	RPL7L1	ribosomal protein L7-like 1	285855	-0.67477565	-8.01796304	7.63E-05	0.005796689
ILMN_1697503	DHX29	DEAH (Asp-Glu-Ala-His) box polypeptide 29	54505	0.532481805	8.013881988	7.65E-05	0.005805557
ILMN_1664922	FLNB	filamin B, beta	2317	0.687113871	8.012244651	7.66E-05	0.005805557
ILMN_1679232	KIDINS220	kinase D-interacting substrate, 220kDa	57498	0.718284811	8.008447684	7.69E-05	0.005814491
ILMN_1708147	TBPL1	TBP-like 1	9519	0.746207896	7.999013757	7.75E-05	0.005841272
ILMN_3241979	TMEM179B	transmembrane protein 179B	374395	0.528795454	7.999021675	7.75E-05	0.005841272
ILMN_1670037	POLR2L	polymerase (RNA) II (DNA directed) polypeptide L, 7.6kDa	5441	0.655892042	7.985034382	7.84E-05	0.005899446
ILMN_2252408	CNPY4	canopy 4 homolog (zebrafish)	245812	0.713271706	7.968800331	7.94E-05	0.005960062
ILMN_1808202	R3HDM4	R3H domain containing 4	91300	0.540138487	7.969613399	7.94E-05	0.005960062
ILMN_1750800	ACO1	aconitase 1, soluble	48	1.037560344	7.96320322	7.98E-05	0.005971488
ILMN_1653134	CNEP1R1	CTD nuclear envelope phosphatase 1 regulatory subunit 1	255919	0.652819054	7.96268892	7.98E-05	0.005971488
ILMN_1652072	NIM1	serine/threonine-protein kinase NIM1	167359	0.505670326	7.960335848	8.00E-05	0.00597378
ILMN_1657436	FGFR1OP2	FGFR1 oncogene partner 2	26127	0.571641594	7.949654361	8.07E-05	0.00601725
ILMN_3215212	NA	NA	NA	-0.58627451	-7.94218439	8.12E-05	0.00603732
ILMN_1761912	MGAT1	mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	4245	-0.6111247	-7.9418639	8.12E-05	0.00603732
ILMN_1695491	WDYHV1	WDYHV motif containing 1	55093	0.564371232	7.93545184	8.16E-05	0.006059993
ILMN_1744068	ELP3	elongator acetyltransferase complex subunit 3	55140	-0.87934035	-7.93040577	8.20E-05	0.006075925
ILMN_1800311	HSF2	heat shock transcription factor 2	3298	0.59379039	7.925024994	8.23E-05	0.006093612
ILMN_1789233	VPS37C	vacuolar protein sorting 37 homolog C (S. cerevisiae)	55048	-0.98453877	-7.92095071	8.26E-05	0.006104781
ILMN_2310589	DIABLO	diablo, IAP-binding mitochondrial protein	56616	0.481721178	7.91568174	8.30E-05	0.006122042
ILMN_2234229	PRMT6	protein arginine methyltransferase 6	55170	-0.59803016	-7.90791625	8.35E-05	0.006152084
ILMN_2113126	RNASE3	ribonuclease, RNase A family, 3	6037	-0.49843884	-7.90431022	8.38E-05	0.006153199
ILMN_1789830	CFLAR	CASP8 and FADD-like apoptosis regulator	8837	-0.77470083	-7.90161292	8.39E-05	0.006153199
ILMN_1740903	C7orf49	chromosome 7 open reading frame 49	78996	-0.56518366	-7.89986687	8.41E-05	0.006153199
ILMN_1713892	C4orf34	chromosome 4 open reading frame 34	201895	0.692157471	7.898187097	8.42E-05	0.006153199
ILMN_1684591	ZNF434	zinc finger protein 434	54925	0.492406546	7.897497	8.42E-05	0.006153199
ILMN_1685413	ALG8	asparagine-linked glycosylation 8, alpha-1,3-glucosyltransferase homolog (S. cerevisiae)	79053	-0.78801773	-7.89645534	8.43E-05	0.006153199
ILMN_3281039	CTBP2	C-terminal binding protein 2	1488	-0.56085724	-7.89482952	8.44E-05	0.006153199
ILMN_1748109	PEX1	peroxisomal biogenesis factor 1	5189	0.608127737	7.885122858	8.51E-05	0.006184208
ILMN_1787815	TRIB3	tribbles homolog 3 (Drosophila)	57761	-0.78824815	-7.88533801	8.51E-05	0.006184208
ILMN_1788462	AMD1	adenosylmethionine decarboxylase 1	262	0.635311782	7.876301704	8.57E-05	0.006220278
ILMN_1685854	IGIP	IgA-inducing protein homolog (Bos taurus)	492311	0.572966653	7.871597623	8.61E-05	0.006226658
ILMN_2180371	FAM216A	family with sequence similarity 216, member A	29902	-0.93011401	-7.86904052	8.62E-05	0.006226658
ILMN_2095840	KAT6A	K(lysine) acetyltransferase 6A	7994	0.580602535	7.868080955	8.63E-05	0.006226658
ILMN_2390114	AP3D1	adaptor-related protein complex 3, delta 1 subunit	8943	0.461713019	7.867830942	8.63E-05	0.006226658
ILMN_1729115	UBE2S	ubiquitin-conjugating enzyme E2S	27338	0.942572213	7.858030614	8.70E-05	0.006268235
ILMN_1654060	MKNK2	MAP kinase interacting serine/threonine kinase 2	2872	0.774554708	7.850305032	8.76E-05	0.006299258
ILMN_1758418	TNFSF13B	tumor necrosis factor (ligand) superfamily, member 13b	10673	-1.12647063	-7.84373105	8.81E-05	0.00631489
ILMN_1729237	CYB5R1	cytochrome b5 reductase 1	51706	1.39535866	7.84099526	8.83E-05	0.00631489
ILMN_1651950	TPST1	tyrosylprotein sulfotransferase 1	8460	0.775275783	7.840219711	8.83E-05	0.00631489
ILMN_2130525	TSPAN13	tetraspanin 13	27075	1.249260086	7.839018	8.84E-05	0.00631489

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ILMN_1655868	ANP32C	acidic (leucine-rich) nuclear phosphoprotein 32 family, member C	23520	-0.56185787	-7.83839829	8.85E-05	0.00631489
ILMN_3270542	UQCRFS1	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1	7386	-0.46637315	-7.83529627	8.87E-05	0.006316164
ILMN_3297510	FAM108A1	family with sequence similarity 108, member A1	81926	0.755014798	7.834604674	8.88E-05	0.006316164
ILMN_3221790	RPL7L1	ribosomal protein L7-like 1	285855	-0.72277076	-7.82578173	8.94E-05	0.006353456
ILMN_2325008	DHX40	DEAH (Asp-Glu-Ala-His) box polypeptide 40	79665	0.59899934	7.819108048	8.99E-05	0.006379555
ILMN_1773154	NFKBIA	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	4792	-0.96187988	-7.81181954	9.05E-05	0.006409094
ILMN_2351298	WIPF1	WAS/WASL interacting protein family, member 1	7456	-1.00388244	-7.80870149	9.07E-05	0.006416382
ILMN_1718815	SLTM	SAFB-like, transcription modulator	79811	-0.59332843	-7.79849863	9.15E-05	0.006461913
ILMN_1777340	DDX6	DEAD (Asp-Glu-Ala-Asp) box helicase 6	1656	-0.51142304	-7.79112444	9.20E-05	0.006482921
ILMN_3241169	ELP6	elongator acetyltransferase complex subunit 6	54859	-0.83063637	-7.79144848	9.20E-05	0.006482921
ILMN_2388425	EXTL2	exostoses (multiple)-like 2	2135	0.739670062	7.786928874	9.24E-05	0.006496252
ILMN_1775405	ARL4A	ADP-ribosylation factor-like 4A	10124	0.904934096	7.783876196	9.26E-05	0.006500682
ILMN_1667213	DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide	1676	0.68348974	7.782634946	9.27E-05	0.006500682
ILMN_1847822	KIAA0368	KIAA0368	23392	-0.78874717	-7.78082994	9.28E-05	0.006501057
ILMN_1679460	PPFIBP1	PTPRF interacting protein, binding protein 1 (liprin beta 1)	8496	0.475768573	7.77603417	9.32E-05	0.006513518
ILMN_1893511	NA	NA	NA	0.586317047	7.775084766	9.33E-05	0.006513518
ILMN_2346997	RAB23	RAB23, member RAS oncogene family	51715	0.523418155	7.76961314	9.37E-05	0.006517799
ILMN_1653367	TAF12	TAF12 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 20kDa	6883	0.462485408	7.77011843	9.37E-05	0.006517799
ILMN_1676891	CDK19	cyclin-dependent kinase 19	23097	0.745723984	7.769129083	9.38E-05	0.006517799
ILMN_3256868	RBMX	RNA binding motif protein, X-linked	27316	-0.60847025	-7.76283	9.43E-05	0.006542938
ILMN_2369104	TRAPPC6B	trafficking protein particle complex 6B	122553	0.540368762	7.760482409	9.44E-05	0.006546418
ILMN_1686626	NA	NA	NA	-0.49452155	-7.75767148	9.47E-05	0.00655068
ILMN_1743131	TOX4	TOX high mobility group box family member 4	9878	0.639337974	7.7562869	9.48E-05	0.00655068
ILMN_2058141	HMGN2	high mobility group nucleosomal binding domain 2	3151	-0.84368103	-7.75313004	9.50E-05	0.006558678
ILMN_1763386	BID	BH3 interacting domain death agonist	637	-1.13834647	-7.74877207	9.54E-05	0.006569289
ILMN_1765796	ENO2	enolase 2 (gamma, neuronal)	2026	0.746811754	7.74780543	9.55E-05	0.006569289
ILMN_1772329	LRRFIP2	leucine rich repeat (in FLII) interacting protein 2	9209	0.543444341	7.742252329	9.59E-05	0.006585408
ILMN_1762115	CRYZL1	crystallin, zeta (quinone reductase)-like 1	9946	0.974502419	7.741503309	9.60E-05	0.006585408
ILMN_1738718	CYB561D2	cytochrome b-561 domain containing 2	11068	-0.64664402	-7.73700404	9.63E-05	0.006601008
ILMN_1691798	NA	NA	NA	-0.48180343	-7.73361023	9.66E-05	0.006610505
ILMN_1733932	SNUPN	snurportin 1	10073	-0.82523619	-7.73098574	9.68E-05	0.006615741
ILMN_1776464	PARP4	poly (ADP-ribose) polymerase family, member 4	143	-1.00162883	-7.72656496	9.72E-05	0.006631042
ILMN_2086238	SMYD4	SET and MYND domain containing 4	114826	0.469753724	7.723122321	9.75E-05	0.006640917
ILMN_1686920	CCDC58	coiled-coil domain containing 58	131076	-0.81850585	-7.71725172	9.79E-05	0.006664478
ILMN_2081682	SMAP2	small ArfGAP2	64744	0.766890172	7.714644212	9.82E-05	0.006669741
ILMN_1800942	KCTD6	potassium channel tetramerisation domain containing 6	200845	0.561967951	7.709864233	9.86E-05	0.006682092
ILMN_1755221	LMAN2L	lectin, mannose-binding 2-like	81562	0.729485	7.706764268	9.88E-05	0.006682092
ILMN_1687857	ST6GALNAC4	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 4	27090	0.660113874	7.704161619	9.90E-05	0.006682092
ILMN_1660368	TRRAP	transformation/transcription domain-associated protein	8295	-0.58858619	-7.70314885	9.91E-05	0.006682092
ILMN_1759154	NA	NA	NA	-0.58932796	-7.70252017	9.92E-05	0.006682092
ILMN_1772651	CNOT2	CCR4-NOT transcription complex, subunit 2	4848	-0.80663646	-7.70247393	9.92E-05	0.006682092
ILMN_3207933	ABCE1	ATP-binding cassette, sub-family E (OABP), member 1	6059	-0.68017711	-7.69772321	9.96E-05	0.006699625
ILMN_2151056	C10orf32	chromosome 10 open reading frame 32	119032	-0.69357485	-7.69186033	0.00010007	0.006702624
ILMN_3177271	RBMX	RNA binding motif protein, X-linked	27316	-0.65316579	-7.69126111	0.000100121	0.006702624
ILMN_1700660	RNF135	ring finger protein 135	84282	-0.5138227	-7.69003184	0.000100225	0.006702624
ILMN_1786015	CTCF	CCCTC-binding factor (zinc finger protein)	10664	-1.01568023	-7.68881018	0.000100329	0.006702624
ILMN_1772316	SUN1	Sad1 and UNC84 domain containing 1	23353	1.033803354	7.687948442	0.000100402	0.006702624
ILMN_3202002	ECRP	ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin) pseudogene	643332	-0.45695797	-7.68732682	0.000100455	0.006702624
ILMN_1744649	PSMB5	proteasome (prosome, macropain) subunit, beta type, 5	5693	-0.74722071	-7.68260374	0.000100858	0.006719295
ILMN_1781386	WIPI1	WD repeat domain, phosphoinositide interacting 1	55062	1.120047264	7.68112768	0.000100984	0.006719295
ILMN_1753111	NAMPT	nicotinamide phosphoribosyltransferase	10135	0.493744432	7.678890934	0.000101176	0.006722753
ILMN_1798108	C6orf211	chromosome 6 open reading frame 211	79624	0.473311446	7.676447133	0.000101386	0.00672741
ILMN_1797964	ARL6IP6	ADP-ribosylation-like factor 6 interacting protein 6	151188	1.121375853	7.66798886	0.000102116	0.006766542
ILMN_1671221	GAPVD1	GTPase activating protein and VPS9 domains 1	26130	0.682755794	7.662669606	0.000102579	0.006787829
ILMN_1814282	AEN	apoptosis enhancing nuclease	64782	-0.71326993	-7.65900539	0.000102899	0.00679831
ILMN_1775170	MT1X	metallothionein 1X	4501	1.727113607	7.657620817	0.00010302	0.00679831
ILMN_1662964	PRMT3	protein arginine methyltransferase 3	10196	-0.82785481	-7.65410975	0.000103328	0.00680845
ILMN_1661695	IRAK3	interleukin-1 receptor-associated kinase 3	11213	-0.68343058	-7.65264526	0.000103456	0.00680845
ILMN_1675939	IFNGR1	interferon gamma receptor 1	3459	0.897492683	7.648946293	0.000103782	0.006815776
ILMN_2180827	MEPCE	methylphosphate capping enzyme	56257	-0.97242169	-7.64816872	0.000103851	0.006815776

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ILMN_1766916	RPAP3	RNA polymerase II associated protein 3	79657	0.92848165	7.644836112	0.000104146	0.00682582
ILMN_1658464	GTF3A	general transcription factor IIIA	2971	-0.7748109	-7.64295061	0.000104313	0.006827482
ILMN_1781680	DAP3	death associated protein 3	7818	0.716544778	7.639863956	0.000104588	0.006836148
ILMN_3243890	NDUFA2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa	4695	0.677955898	7.637261081	0.00010482	0.006842023
ILMN_1724437	GCAT	glycine C-acetyltransferase	23464	0.627301271	7.633383519	0.000105167	0.006855361
ILMN_2060770	RAI1	retinoic acid induced 1	10743	-0.75381855	-7.62544269	0.000105881	0.006892586
ILMN_1776094	PPCS	phosphopantothenoylcysteine synthetase	79717	-0.9857148	-7.61758828	0.000106593	0.006929555
ILMN_2082130	C1orf123	chromosome 1 open reading frame 123	54987	-0.64818187	-7.61309045	0.000107003	0.006946828
ILMN_1779751	C7orf55	chromosome 7 open reading frame 55	154791	-0.71778828	-7.61093263	0.000107201	0.006949181
ILMN_1679880	THOC6	THO complex 6 homolog (Drosophila)	79228	-0.72020426	-7.60953811	0.000107328	0.006949181
ILMN_1723020	MAP3K1	mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase	4214	-0.74014782	-7.60660423	0.000107598	0.006950694
ILMN_1728256	SPAG9	sperm associated antigen 9	9043	0.654473795	7.606014688	0.000107652	0.006950694
ILMN_1688152	IL27RA	interleukin 27 receptor, alpha	9466	-1.14780688	-7.60357364	0.000107877	0.006950694
ILMN_2099301	SUN2	Sad1 and UNC84 domain containing 2	25777	-0.69443861	-7.60204047	0.000108018	0.006950694
ILMN_1795922	ZNF830	zinc finger protein 830	91603	-0.47065	-7.60046813	0.000108164	0.006950694
ILMN_2143566	SLC39A6	solute carrier family 39 (zinc transporter), member 6	25800	0.469554075	7.598803888	0.000108318	0.006950694
ILMN_2068435	ZNF700	zinc finger protein 700	90592	-0.53053402	-7.59831333	0.000108363	0.006950694
ILMN_1801119	BCL2	B-cell CLL/lymphoma 2	596	-0.79694277	-7.59620506	0.000108559	0.006953968
ILMN_2134110	SELK	selenoprotein K	58515	0.552255029	7.590775326	0.000109064	0.006977064
ILMN_1832672	NA	NA	NA	0.56702518	7.588285783	0.000109297	0.006982665
ILMN_1677041	CHUK	conserved helix-loop-helix ubiquitous kinase	1147	0.546453837	7.584533446	0.000109649	0.006987899
ILMN_1756877	IFT43	intraflagellar transport 43 homolog (Chlamydomonas)	112752	1.052955395	7.584313482	0.000109669	0.006987899
ILMN_1719343	WDR26	WD repeat domain 26	80232	0.623713402	7.57619896	0.000110435	0.007027351
ILMN_1677829	SLC9A6	solute carrier family 9, subfamily A (NHE6, cation proton antiporter 6), member 6	10479	0.678569855	7.570846868	0.000110943	0.00704352
ILMN_2202481	UBLCP1	ubiquitin-like domain containing CTD phosphatase 1	134510	0.784489713	7.569403524	0.00011108	0.00704352
ILMN_2237428	SCD5	stearoyl-CoA desaturase 5	79966	0.463838919	7.568901411	0.000111128	0.00704352
ILMN_1741491	ZNHIT1	zinc finger, HIT-type containing 1	10467	0.501308624	7.565698926	0.000111434	0.00705361
ILMN_2403047	ARL13B	ADP-ribosylation factor-like 13B	200894	0.621808944	7.555355697	0.000112428	0.007107187
ILMN_1653047	NA	NA	NA	0.484082441	7.550326739	0.000112915	0.007126748
ILMN_1801606	AMZ2	archaelysin family metallopeptidase 2	51321	0.649435793	7.549104109	0.000113034	0.007126748
ILMN_1655842	NA	NA	NA	-1.3113133	-7.53787339	0.000114131	0.007186519
ILMN_1720476	PHF2	PHD finger protein 2	5253	-0.64985593	-7.53589981	0.000114325	0.007189329
ILMN_2374633	ZWILCH	Zwilch, kinetochore associated, homolog (Drosophila)	55055	0.754046313	7.530999389	0.000114809	0.007200169
ILMN_1724990	ELP6	elongator acetyltransferase complex subunit 6	54859	-0.55122956	-7.5297372	0.000114933	0.007200169
ILMN_2312275	SRP54	signal recognition particle 54kDa	6729	0.805476206	7.529606114	0.000114946	0.007200169
ILMN_1719985	FEM1A	fem-1 homolog a (C. elegans)	55527	-0.57297067	-7.51877659	0.000116025	0.00725825
ILMN_3235917	DCAF10	DDB1 and CUL4 associated factor 10	79269	0.468115957	7.512151413	0.00011669	0.007290381
ILMN_1764522	LMBR1	limb region 1 homolog (mouse)	64327	0.466760716	7.508381775	0.00011707	0.007304659
ILMN_1703477	ARHGEF2	Rho/Rac guanine nucleotide exchange factor (GEF) 2	9181	-0.89332365	-7.49706304	0.000118221	0.007348043
ILMN_1695797	NCOA6	nuclear receptor coactivator 6	23054	-0.63858088	-7.49559042	0.000118371	0.007348043
ILMN_1664776	EFR3A	EFR3 homolog A (S. cerevisiae)	23167	0.649677952	7.494942927	0.000118438	0.007348043
ILMN_1688000	POLDIP3	polymerase (DNA-directed), delta interacting protein 3	84271	-0.57899652	-7.49422437	0.000118511	0.007348043
ILMN_1713978	SDF2	stromal cell-derived factor 2	6388	0.686011429	7.492796998	0.000118658	0.007348043
ILMN_1795835	LOC338758	uncharacterized LOC338758	338758	1.201037508	7.49248173	0.00011869	0.007348043
ILMN_2366334	FERMT3	fermitin family member 3	83706	-1.02338066	-7.49107313	0.000118835	0.007348043
ILMN_2047599	TMEM50B	transmembrane protein 50B	757	0.539265612	7.487381786	0.000119215	0.007362087
ILMN_1734830	MTHFR	methylenetetrahydrofolate reductase (NAD(P)H)	4524	0.468883969	7.483931851	0.000119571	0.007374638
ILMN_1703743	AATF	apoptosis antagonizing transcription factor	26574	-0.52770729	-7.48075472	0.000119901	0.007378203
ILMN_1695851	PARVG	parvin, gamma	64098	-0.66277795	-7.48041634	0.000119936	0.007378203
ILMN_2172269	TMEM183B	transmembrane protein 183B	653659	0.586861451	7.463530498	0.000121704	0.007477434
ILMN_1767470	SCPEP1	serine carboxypeptidase 1	59342	1.135139587	7.458423973	0.000122245	0.007501067
ILMN_1657509	TSEN54	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	283989	0.595454799	7.456529338	0.000122446	0.007501982
ILMN_1728512	YWHAH	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide	7533	-0.59888415	-7.4545489	0.000122657	0.007501982
ILMN_1738652	BAD	BCL2-associated agonist of cell death	572	0.438501153	7.453885038	0.000122728	0.007501982
ILMN_1665736	NA	NA	NA	-0.46454863	-7.45118888	0.000123015	0.00751003
ILMN_1683146	FTH1	ferritin, heavy polypeptide 1	2495	0.873583716	7.447339802	0.000123428	0.007525641
ILMN_2363361	SFXN4	sideroflexin 4	119559	-0.89829694	-7.43949668	0.000124272	0.007564188
ILMN_1804150	HIBADH	3-hydroxyisobutyrate dehydrogenase	11112	0.466319526	7.438552769	0.000124374	0.007564188
ILMN_1663080	LFNG	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	3955	1.116975044	7.435508489	0.000124704	0.007574675
ILMN_1770824	ARHGAP4	Rho GTPase activating protein 4	393	-0.84612069	-7.43307374	0.000124969	0.007581172
ILMN_1669523	FOS	FBJ murine osteosarcoma viral oncogene homolog	2353	1.889610422	7.426916898	0.00012564	0.007607052
ILMN_1711919	SCYL2	SCY1-like 2 (S. cerevisiae)	55681	0.695146311	7.42626734	0.000125712	0.007607052

Ill_ID	Symbol	Name	Entrez	logFC	t	P.Value	adj.P.Val
ILMN_1658526	RYK	receptor-like tyrosine kinase	6259	0.443612609	7.424482111	0.000125907	0.007609321
ILMN_1683127	ZNF281	zinc finger protein 281	23528	0.471267206	7.422438493	0.000126132	0.007613319
ILMN_1703123	CSRNP1	cysteine-serine-rich nuclear protein 1	64651	0.812169386	7.418334801	0.000126584	0.007623236
ILMN_1719627	SLC27A3	solute carrier family 27 (fatty acid transporter), member 3	11000	-0.67404558	-7.4180699	0.000126613	0.007623236
ILMN_1651826	BASP1	brain abundant, membrane attached signal protein 1	10409	1.290388372	7.413992769	0.000127064	0.007640825
ILMN_3247835	CXorf64	chromosome X open reading frame 64	100130613	-0.5348015	-7.40884826	0.000127635	0.007657005
ILMN_1814173	SMARCA4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4	6597	-0.79979606	-7.40870657	0.000127651	0.007657005
ILMN_3229770	SKP1	S-phase kinase-associated protein 1	6500	0.437566123	7.405500599	0.000128009	0.007668901
ILMN_1655117	WDR19	WD repeat domain 19	57728	1.507442862	7.399987975	0.000128627	0.007696325
ILMN_1709683	RASSF2	Ras association (RalGDS/AF-6) domain family member 2	9770	-0.87336755	-7.38962371	0.000129797	0.007748783
ILMN_1756326	CKS2	CDC28 protein kinase regulatory subunit 2	1164	0.678796492	7.389373962	0.000129826	0.007748783
ILMN_1786893	RBM5	RNA binding motif protein 5	10181	-0.51545343	-7.38628336	0.000130177	0.007760131
ILMN_1685005	TNFRSF1A	tumor necrosis factor receptor superfamily, member 1A	7132	-0.71858766	-7.3825807	0.000130599	0.007775512
ILMN_3233930	SYNGR2	synaptogyrin 2	9144	0.611402776	7.381191983	0.000130758	0.007775512
ILMN_2151048	STAG1	stromal antigen 1	10274	-0.57529148	-7.37875333	0.000131038	0.007779501
ILMN_1753010	PET112	PET112 homolog (yeast)	5188	-0.61979872	-7.37710347	0.000131227	0.007779501
ILMN_1729509	C1orf43	chromosome 1 open reading frame 43	25912	-0.8525707	-7.37637878	0.000131311	0.007779501
ILMN_2092664	ADSS	adenylosuccinate synthase	159	-0.53774189	-7.37491736	0.000131479	0.007779884
ILMN_1800855	PPTC7	PTC7 protein phosphatase homolog (S. cerevisiae)	160760	0.547978004	7.371389789	0.000131886	0.007794377
ILMN_2188722	NA	NA	NA	1.631185229	7.365767849	0.000132537	0.007823269
ILMN_1720708	CSNK1D	casein kinase 1, delta	1453	-0.4810308	-7.36071005	0.000133126	0.007841335
ILMN_1716983	LILRA2	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2	11027	-0.96768343	-7.36034323	0.000133169	0.007841335
ILMN_1698621	COG5	component of oligomeric golgi complex 5	10466	0.569054011	7.358811301	0.000133348	0.007842283
ILMN_1746457	GTF3C2	general transcription factor IIIC, polypeptide 2, beta 110kDa	2976	-0.81989634	-7.34528119	0.000134942	0.007926107
ILMN_1690921	STAT2	signal transducer and activator of transcription 2, 113kDa	6773	0.769814497	7.343923054	0.000135103	0.007926107
ILMN_3251511	SCAF11	SR-related CTD-associated factor 11	9169	-0.59109104	-7.34146456	0.000135395	0.007933578
ILMN_2411282	QSOX1	quiescin Q6 sulfhydryl oxidase 1	5768	0.576474327	7.33694886	0.000135934	0.007955452
ILMN_1701331	UBE2M	ubiquitin-conjugating enzyme E2M	9040	-0.55521274	-7.3304918	0.000136709	0.007991054
ILMN_1760400	TTI2	TELO2 interacting protein 2	80185	0.613178033	7.328205865	0.000136984	0.007991575
ILMN_3244065	C9orf69	chromosome 9 open reading frame 69	90120	-0.75495118	-7.32732884	0.00013709	0.007991575
ILMN_1686664	MT2A	metallothionein 2A	4502	1.524549763	7.326284425	0.000137216	0.007991575
ILMN_1801767	ABHD3	abhydrolase domain containing 3	171586	0.566331367	7.323193458	0.00013759	0.008003669
ILMN_1758105	ZNF791	zinc finger protein 791	163049	0.832827784	7.31929916	0.000138063	0.008021476
ILMN_1699603	MRPL12	mitochondrial ribosomal protein L12	6182	-0.60482613	-7.31524135	0.000138557	0.008040506
ILMN_1738529	BCS1L	BCS1-like (S. cerevisiae)	617	-0.47998996	-7.30928898	0.000139287	0.008073084
ILMN_1725071	CCDC12	coiled-coil domain containing 12	151903	-0.68461713	-7.30590821	0.000139703	0.008087457
ILMN_2049642	RPA1	replication protein A1, 70kDa	6117	0.435252754	7.301222958	0.000140282	0.008104166
ILMN_1770742	TMEM55B	transmembrane protein 55B	90809	0.541316254	7.300846723	0.000140328	0.008104166
ILMN_1698968	ASXL2	additional sex combs like 2 (Drosophila)	55252	-0.54695653	-7.29735302	0.000140762	0.008119461
ILMN_1767459	POLR3B	polymerase (RNA) III (DNA directed) polypeptide B	55703	-0.69396278	-7.27927026	0.00014303	0.008192041
ILMN_1712035	TMEM115	transmembrane protein 115	11070	0.503734751	7.279041264	0.000143059	0.008192041
ILMN_1793290	WDR60	WD repeat domain 60	55112	0.800036696	7.277961462	0.000143196	0.008192041
ILMN_1773228	DLST	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)	1743	0.572758129	7.277712748	0.000143228	0.008192041
ILMN_1806999	B9D2	B9 protein domain 2	80776	-0.81364989	-7.27508968	0.000143561	0.008192041
ILMN_2173004	RAB8B	RAB8B, member RAS oncogene family	51762	1.063108886	7.274789852	0.000143599	0.008192041
ILMN_1680867	MCM9	minichromosome maintenance complex component 9	254394	-0.48605857	-7.27236728	0.000143907	0.008192041
ILMN_1802397	GNA11	guanine nucleotide binding protein (G protein), alpha 11 (Gq class)	2767	0.550924401	7.271559841	0.00014401	0.008192041
ILMN_1744517	GNS	glucosamine (N-acetyl)-6-sulfatase	2799	1.139995015	7.271478816	0.00014402	0.008192041
ILMN_2357272	BCLAF1	BCL2-associated transcription factor 1	9774	-0.86794699	-7.27089334	0.000144095	0.008192041
ILMN_1778152	FIGNL1	fidgetin-like 1	63979	0.621194486	7.269173105	0.000144315	0.008192041
ILMN_1671257	DKC1	dyskeratosis congenita 1, dyskerin	1736	-0.97615484	-7.26701607	0.000144591	0.008192041
ILMN_2103841	AIP	aryl hydrocarbon receptor interacting protein	9049	-0.65194377	-7.26626174	0.000144688	0.008192041
ILMN_3299558	PNISR	PNN-interacting serine/arginine-rich protein	25957	-0.63299536	-7.26616295	0.0001447	0.008192041
ILMN_1766797	CCS	copper chaperone for superoxide dismutase	9973	0.58243704	7.265268513	0.000144815	0.008192041
ILMN_1651405	BRD9	bromodomain containing 9	65980	-0.79291265	-7.26151214	0.000145298	0.008192041
ILMN_2319000	MATK	megakaryocyte-associated tyrosine kinase	4145	-0.95197634	-7.25986092	0.000145511	0.008192041
ILMN_2297710	PLEKHB2	pleckstrin homology domain containing, family B (evectins) member 2	55041	0.836498752	7.25929488	0.000145584	0.008192041
ILMN_2161746	TRIP10	thyroid hormone receptor interactor 10	9322	0.676002499	7.258690582	0.000145662	0.008192041
ILMN_1745806	PEMT	phosphatidylethanolamine N-methyltransferase	10400	-0.90731783	-7.2584405	0.000145695	0.008192041
ILMN_1791728	SLC25A25	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 25	114789	0.856122867	7.25809962	0.000145739	0.008192041
ILMN_2313434	TCP1	t-complex 1	6950	0.56535744	7.257884371	0.000145766	0.008192041

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ILMN_1728360	MED29	mediator complex subunit 29	55588	0.633503588	7.255984956	0.000146012	0.008196282
ILMN_1697448	TXNIP	thioredoxin interacting protein	10628	1.20408114	7.252589132	0.000146453	0.008211437
ILMN_1673252	AIMP2	aminoacyl tRNA synthetase complex-interacting multifunctional protein 2	7965	-0.60560505	-7.24243463	0.00014778	0.008275149
ILMN_2226917	KIAA0247	KIAA0247	9766	0.49797843	7.241264768	0.000147933	0.008275149
ILMN_1652331	NA	NA	NA	0.558169087	7.238000635	0.000148363	0.008279802
ILMN_1701455	FBXO6	F-box protein 6	26270	-0.46207523	-7.23696091	0.0001485	0.008279802
ILMN_1706386	SLC39A4	solute carrier family 39 (zinc transporter), member 4	55630	-0.47883401	-7.23671473	0.000148533	0.008279802
ILMN_1684346	TNFAIP8L1	tumor necrosis factor, alpha-induced protein 8-like 1	126282	0.928284818	7.234843366	0.00014878	0.008283992
ILMN_1721623	APOO	apolipoprotein O	79135	0.459280373	7.228185539	0.000149664	0.008323569
ILMN_1660436	HSPA1B	heat shock 70kDa protein 1B	3304	1.588654683	7.216870978	0.00015118	0.008398146
ILMN_2366330	FERMT3	fermitin family member 3	83706	-1.76454109	-7.21341774	0.000151646	0.008414315
ILMN_3249110	CSRNP2	cysteine-serine-rich nuclear protein 2	81566	0.625576382	7.202716841	0.0001531	0.008485217
ILMN_1681503	MCM2	minichromosome maintenance complex component 2	4171	-0.65256299	-7.19385655	0.000154316	0.008519108
ILMN_3207122	GTF3C6	general transcription factor IIIC, polypeptide 6, alpha 35kDa	112495	-1.56495982	-7.19234992	0.000154523	0.008519108
ILMN_1716004	NSUN4	NOP2/Sun domain family, member 4	387338	-0.7941192	-7.19124242	0.000154676	0.008519108
ILMN_1812701	C4orf33	chromosome 4 open reading frame 33	132321	0.763809007	7.19103194	0.000154706	0.008519108
ILMN_1699695	TNFRSF21	tumor necrosis factor receptor superfamily, member 21	27242	0.579232259	7.1908252	0.000154734	0.008519108
ILMN_1737988	PRNP	prion protein	5621	-0.44649592	-7.19053885	0.000154774	0.008519108
ILMN_2255133	BCL11A	B-cell CLL/lymphoma 11A (zinc finger protein)	53335	-0.59654136	-7.1866319	0.000155315	0.008539138
ILMN_1795227	DYNLL1	dynein, light chain, LC8-type 1	8655	0.553267232	7.180825204	0.000156124	0.008573794
ILMN_1759789	KAT5	K(lysine) acetyltransferase 5	10524	-0.57136343	-7.17918615	0.000156353	0.008575742
ILMN_3288587	RNF181	ring finger protein 181	51255	0.702469817	7.178022327	0.000156516	0.008575742
ILMN_2103919	LRFN3	leucine rich repeat and fibronectin type III domain containing 3	79414	0.839264696	7.17477385	0.000156971	0.008582158
ILMN_1671933	GPSM2	G-protein signaling modulator 2	29899	0.599994372	7.173780185	0.000157111	0.008582158
ILMN_1712950	PFN1	profilin 1	5216	-0.6749833	-7.17259352	0.000157278	0.008582158
ILMN_2151541	DNAJC10	DnaJ (Hsp40) homolog, subfamily C, member 10	54431	0.511486117	7.17210859	0.000157346	0.008582158
ILMN_3199609	TCP1	t-complex 1	6950	0.523321291	7.165551798	0.000158273	0.008622932
ILMN_1788783	TRAM2	translocation associated membrane protein 2	9697	0.501508789	7.162179212	0.000158752	0.008639249
ILMN_1713668	TSNAX	translin-associated factor X	7257	1.020142771	7.157726323	0.000159387	0.008664008
ILMN_2414014	RBM10	RNA binding motif protein 10	8241	-0.53863228	-7.15269314	0.000160109	0.008680315
ILMN_1787923	PNPLA2	patatin-like phospholipase domain containing 2	57104	0.898669814	7.152478291	0.000160139	0.008680315
ILMN_1678504	RHOT1	ras homolog family member T1	55288	0.4590925	7.151857799	0.000160229	0.008680315
ILMN_2175075	SRSF4	serine/arginine-rich splicing factor 4	6429	-0.65658388	-7.15003945	0.00016049	0.008684712
ILMN_1777378	COMMD6	COMM domain containing 6	170622	0.483527872	7.145504353	0.000161145	0.008710345
ILMN_1683305	COMMD2	COMM domain containing 2	51122	0.481059337	7.140332726	0.000161895	0.00874108
ILMN_2137536	ZZZ3	zinc finger, ZZ-type containing 3	26009	-0.51593706	-7.13487091	0.000162692	0.008768003
ILMN_1680675	MRRF	mitochondrial ribosome recycling factor	92399	-0.46049073	-7.13441637	0.000162759	0.008768003
ILMN_1718071	AGTPBP1	ATP/GTP binding protein 1	23287	0.694359712	7.133093772	0.000162952	0.008768617
ILMN_1661599	DDIT4	DNA-damage-inducible transcript 4	54541	1.408219434	7.130780691	0.000163292	0.008777059
ILMN_1869109	NUCKS1	nuclear casein kinase and cyclin-dependent kinase substrate 1	64710	-0.67326067	-7.12630208	0.000163951	0.008802659
ILMN_1655990	CDK5RAP2	CDK5 regulatory subunit associated protein 2	55755	-0.4401667	-7.12385953	0.000164312	0.008812196
ILMN_1673944	MANBAL	mannosidase, beta A, lysosomal-like	63905	-0.44123597	-7.11931746	0.000164985	0.008838453
ILMN_1666096	ACSL3	acyl-CoA synthetase long-chain family member 3	2181	0.803930014	7.113117367	0.000165909	0.008878071
ILMN_2367239	RCAN1	regulator of calcineurin 1	1827	0.741053618	7.108321896	0.000166628	0.008906624
ILMN_1795826	ATP6V0D1	ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d1	9114	0.686243134	7.102385282	0.000167522	0.008940912
ILMN_1799856	NA	NA	NA	0.533925821	7.101601076	0.000167641	0.008940912
ILMN_1790807	XPC	xeroderma pigmentosum, complementation group C	7508	0.739698953	7.098899209	0.00016805	0.008946863
ILMN_2189424	MRPL20	mitochondrial ribosomal protein L20	55052	-0.73720914	-7.09840961	0.000168124	0.008946863
ILMN_2323491	NUP62	nucleoporin 62kDa	23636	-0.81955371	-7.09434732	0.000168742	0.008969814
ILMN_1689342	NUBP1	nucleotide binding protein 1	4682	-0.52165108	-7.09102793	0.000169249	0.008986816
ILMN_1744240	WDR67	WD repeat domain 67	93594	0.509965716	7.089078243	0.000169547	0.008992734
ILMN_1774196	URM1	ubiquitin related modifier 1	81605	-0.66051431	-7.08729859	0.00016982	0.008997287
ILMN_3245659	ERI1	exoribonuclease 1	90459	0.689827565	7.084237944	0.000170291	0.008998582
ILMN_2169839	CNBP	CCHC-type zinc finger, nucleic acid binding protein	7555	-0.53910608	-7.08383903	0.000170352	0.008998582
ILMN_3248343	INO80	INO80 homolog (S. cerevisiae)	54617	-0.68320216	-7.08349032	0.000170406	0.008998582
ILMN_1652409	SPATA7	spermatogenesis associated 7	55812	0.794794096	7.081256007	0.00017075	0.009006893
ILMN_3263329	GAR1	GAR1 ribonucleoprotein homolog (yeast)	54433	-0.68762676	-7.07977099	0.00017098	0.009009119
ILMN_2392717	LARP7	La ribonucleoprotein domain family, member 7	51574	-0.75614895	-7.0782236	0.000171219	0.009011868
ILMN_3251132	TMOD2	tropomodulin 2 (neuronal)	29767	0.600915088	7.076153993	0.00017154	0.00901889
ILMN_1677200	CYFIP2	cytoplasmic FMR1 interacting protein 2	26999	1.006233765	7.073832712	0.000171901	0.009027989
ILMN_1725787	RFX1	regulatory factor X, 1 (influences HLA class II expression)	5989	-0.60003489	-7.07019485	0.000172468	0.009040338
ILMN_1771651	MON1B	MON1 homolog B (yeast)	22879	-0.40512895	-7.06904532	0.000172648	0.009040338
ILMN_2398039	TCERG1	transcription elongation regulator 1	10915	-0.4924488	-7.06871106	0.0001727	0.009040338

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ILMN_1652407	ZMYND8	zinc finger, MYND-type containing 8	23613	-0.56591748	-7.06727314	0.000172925	0.00904228
ILMN_2075927	STK40	serine/threonine kinase 40	83931	0.970345904	7.064458791	0.000173366	0.009055518
ILMN_1679978	WBSCR16	Williams-Beuren syndrome chromosome region 16	81554	-0.43464159	-7.05947482	0.000174151	0.009086646
ILMN_3210741	FABP5	fatty acid binding protein 5 (psoriasis-associated)	2171	-0.56101123	-7.05234441	0.000175281	0.009135684
ILMN_1765132	LACTB	lactamase, beta	114294	0.592225378	7.048807839	0.000175844	0.00915012
ILMN_1736555	ZNF280D	zinc finger protein 280D	54816	-0.46913754	-7.04821899	0.000175938	0.00915012
ILMN_1723494	SIRT2	sirtuin 2	22933	0.504643582	7.046788483	0.000176167	0.009152115
ILMN_1685678	EEF1B2	eukaryotic translation elongation factor 1 beta 2	1933	-0.78514842	-7.04415199	0.000176589	0.009162939
ILMN_2390162	PHF11	PHD finger protein 11	51131	-1.09680288	-7.04311038	0.000176756	0.009162939
ILMN_1690321	NA	NA	NA	-0.80393371	-7.04012214	0.000177237	0.009177953
ILMN_1758658	FADD	Fas (TNFRSF6)-associated via death domain	8772	-0.59327382	-7.03381707	0.000178255	0.009220765
ILMN_1669703	TNK2	tyrosine kinase, non-receptor, 2	10188	0.487992007	7.032303526	0.0001785	0.009222326
ILMN_1773369	MRPL48	mitochondrial ribosomal protein L48	51642	-0.59926716	-7.03036082	0.000178816	0.009222326
ILMN_1693650	FES	feline sarcoma oncogene	2242	-1.06485181	-7.03008888	0.00017886	0.009222326
ILMN_2168347	EPOR	erythropoietin receptor	2057	0.722676733	7.027560095	0.000179272	0.009233666
ILMN_1731619	DAD1	defender against cell death 1	1603	0.720860767	7.025753352	0.000179567	0.009238169
ILMN_1655340	RNF181	ring finger protein 181	51255	0.630308767	7.024642463	0.000179749	0.009238169
ILMN_1668996	C1QBP	complement component 1, q subcomponent binding protein	708	-0.50648887	-7.02266478	0.000180072	0.009238169
ILMN_1756982	CLIC1	chloride intracellular channel 1	1192	-0.89211711	-7.02232783	0.000180128	0.009238169
ILMN_2331544	MBP	myelin basic protein	4155	-0.45797	-7.01790302	0.000180855	0.009265582
ILMN_1729546	C19orf54	chromosome 19 open reading frame 54	284325	-0.45431549	-7.01133207	0.000181941	0.009307739
ILMN_1739236	ZNF668	zinc finger protein 668	79759	-0.53530102	-7.01058466	0.000182065	0.009307739
ILMN_1660880	RNH1	ribonuclease/angiogenin inhibitor 1	6050	-0.83345638	-7.00941577	0.000182259	0.009307769
ILMN_1866887	NA	NA	NA	0.406735095	7.007108979	0.000182642	0.009317472
ILMN_1732810	SNX17	sorting nexin 17	9784	-0.62155011	-7.00475785	0.000183034	0.009319407
ILMN_3236765	POLR2J3	polymerase (RNA) II (DNA directed) polypeptide J3	548644	0.523975479	7.004557924	0.000183068	0.009319407
ILMN_1764577	MFNG	MFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	4242	-1.00537286	-7.00310565	0.00018331	0.009321895
ILMN_1655177	PI4KA	phosphatidylinositol 4-kinase, catalytic, alpha	5297	0.529130089	7.001481634	0.000183582	0.009325857
ILMN_1665964	GAB2	GRB2-associated binding protein 2	9846	-0.62244878	-6.99353814	0.000184918	0.009371771
ILMN_2320349	BACE1	beta-site APP-cleaving enzyme 1	23621	0.423832402	6.992809463	0.000185041	0.009371771
ILMN_1762407	CABLES2	Cdk5 and Abl enzyme substrate 2	81928	0.422439869	6.99263581	0.00018507	0.009371771
ILMN_1814247	TCFL5	transcription factor-like 5 (basic helix-loop-helix)	10732	0.633115867	6.98939909	0.000185618	0.009375725
ILMN_1683916	PEX13	peroxisomal biogenesis factor 13	5194	0.52625396	6.989054803	0.000185677	0.009375725
ILMN_1657754	RPAP2	RNA polymerase II associated protein 2	79871	0.61607658	6.988722119	0.000185733	0.009375725
ILMN_1752579	ATP6V0A1	ATPase, H+ transporting, lysosomal V0 subunit a1	535	1.443391578	6.987218825	0.000185988	0.00937877
ILMN_1674560	GBA2	glucosidase, beta (bile acid) 2	57704	0.582744553	6.97806028	0.000187552	0.009447724
ILMN_2103547	GOLGA8B	golgin A8 family, member B	440270	0.516061796	6.972012784	0.000188593	0.009490209
ILMN_1741572	AKAP8	A kinase (PRKA) anchor protein 8	10270	-0.78678976	-6.96777063	0.000189327	0.009517182
ILMN_1743677	HNRNPU	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)	3192	-0.56237256	-6.95369596	0.000191785	0.009630671
ILMN_1758398	GUK1	guanylate kinase 1	2987	0.566624712	6.949898838	0.000192454	0.009654198
ILMN_1737308	GLRX	glutaredoxin (thioltransferase)	2745	1.390404211	6.947019661	0.000192963	0.009669657
ILMN_1800078	LMO2	LIM domain only 2 (rhombotin-like 1)	4005	-1.33520087	-6.94474699	0.000193366	0.009678927
ILMN_1721657	RSU1	Ras suppressor protein 1	6251	0.488655273	6.943708798	0.00019355	0.009678927
ILMN_1760011	NA	NA	NA	-0.48175812	-6.9384937	0.00019448	0.009704075
ILMN_1664010	ELF1	E74-like factor 1 (ets domain transcription factor)	1997	-0.69764982	-6.93799601	0.000194569	0.009704075
ILMN_2398274	PYCARD	PYD and CARD domain containing	29108	-0.71629623	-6.93749357	0.000194658	0.009704075
ILMN_1697614	NHP2L1	NHP2 non-histone chromosome protein 2-like 1 (S. cerevisiae)	4809	-0.47308038	-6.93232639	0.000195585	0.009740176
ILMN_1677133	MITD1	MIT, microtubule interacting and transport, domain containing 1	129531	0.614784189	6.923029731	0.000197265	0.009800411
ILMN_1751431	WIBG	within bgcn homolog (Drosophila)	84305	-0.61955967	-6.92157764	0.000197528	0.009800411
ILMN_1661755	FAM129B	family with sequence similarity 129, member B	64855	1.240163724	6.920010906	0.000197814	0.009800411
ILMN_2128770	CDR2L	cerebellar degeneration-related protein 2-like	30850	0.98521094	6.918636478	0.000198064	0.009800411
ILMN_1714349	GLCE	glucuronic acid epimerase	26035	0.670827914	6.917518534	0.000198268	0.009800411
ILMN_1806758	C9orf85	chromosome 9 open reading frame 85	138241	0.516032614	6.917318504	0.000198305	0.009800411
ILMN_1658080	ZNF573	zinc finger protein 573	126231	-0.68717315	-6.91678539	0.000198402	0.009800411
ILMN_1806040	TYMS	thymidylate synthetase	7298	-1.07304643	-6.9162184	0.000198506	0.009800411
ILMN_2187487	HEATR5B	HEAT repeat containing 5B	54497	0.515083051	6.915171221	0.000198697	0.009800411
ILMN_1731181	TEX2	testis expressed 2	55852	0.689008868	6.914435474	0.000198832	0.009800411
ILMN_2187533	CSRNP2	cysteine-serine-rich nuclear protein 2	81566	0.903994289	6.911201766	0.000199425	0.009812986
ILMN_1804248	FDPS	farnesyl diphosphate synthase	2224	-0.46895242	-6.91082181	0.000199495	0.009812986
ILMN_1813834	PRMT6	protein arginine methyltransferase 6	55170	-0.43941176	-6.90574571	0.000200431	0.009848939
ILMN_2379326	MAP3K7	mitogen-activated protein kinase kinase kinase 7	6885	0.43827433	6.895621137	0.000202311	0.00993122
ILMN_2352303	RASSF2	Ras association (RalGDS/AF-6) domain family member 2	9770	-0.54643799	-6.88979387	0.000203403	0.009967973
ILMN_1733311	PIGB	phosphatidylinositol glycan anchor biosynthesis, class B	9488	-0.67276603	-6.889413	0.000203475	0.009967973
ILMN_1796063	TRIM44	tripartite motif containing 44	54765	-0.6853419	-6.88666698	0.000203991	0.009979406

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ILMN_1764207	RPRD1A	regulation of nuclear pre-mRNA domain containing 1A	55197	0.469890338	6.885970026	0.000204123	0.009979406
ILMN_1666902	GPR114	G protein-coupled receptor 114	221188	-0.67185363	-6.88240913	0.000204796	0.009984113
ILMN_1780773	LOC400027	uncharacterized LOC400027	400027	-0.55549089	-6.8822797	0.00020482	0.009984113
ILMN_2409062	ISCU	iron-sulfur cluster scaffold homolog (E. coli)	23479	0.428178717	6.881549028	0.000204959	0.009984113
ILMN_1687824	SEPHS2	selenophosphate synthetase 2	22928	0.601091828	6.881070949	0.000205049	0.009984113