

Table 2

Illumina ID	Symbol	Definition	Mean Clock	Mean WT	P-value	Fold Change	Accession Number	Synonyms
ILMN_1213920	Mkrr2	Mus musculus makorin, ring finger protein, 2 (Mkrr2), mRNA	1487	1064	0.03097	1.4	NM_023290.2	2610002L04Rik; C81377
ILMN_2684300	Pdcd2l	Mus musculus programmed cell death 2-like (Pdcd2l), mRNA	1071	766	0.04970	1.4	NM_026549.3	6030457N17Rik; MGC1444595
ILMN_1252845	Rpo1-1	Mus musculus RNA polymerase 1-1 (Rpo1-1), mRNA	211	151	0.01586	1.4	NM_009085.2	AL024089; AA409007; 40kDa; RPA40; MGC161175; AA959927
ILMN_2760226	BC028440	Mus musculus cDNA sequence BC028440 (BC028440), mRNA	511	364	0.02322	1.4	NM_172148.1	MGC41256
ILMN_2622804	Sh3bgrl2	Mus musculus SH3 domain binding glutamic acid-rich protein like 2 (Sh3bgrl2), mRNA	116	83	0.02428	1.4	NM_172507.4	A930014C21Rik; B930089I21; AA408038
ILMN_1224186	Ica1l	Mus musculus islet cell autoantigen 1-like (Ica1l), mRNA	185	131	0.01025	1.4	NM_027407.2	1700030B17Rik; Als2cr15
ILMN_2660175	Fbxo6	Mus musculus F-box protein 6 (Fbxo6), mRNA	4754	3376	0.04925	1.4	NM_015797.3	Fbxo6b; Fbxo6b; FBG2; AA408845; Fbs2
ILMN_2619295	Bax	Mus musculus Bcl2-associated X protein (Bax), mRNA	394	280	0.00820	1.4	NM_007527.3	
ILMN_2680054	DOH4S114	Mus musculus DNA segment, human D4S114 (DOH4S114), mRNA	937	664	0.00285	1.4	NM_053078.3	A1325076; PTZ17; SEZ17; P311
ILMN_1235716	Dtnbp1	Mus musculus dystrobrevin binding protein 1 (Dtnbp1), mRNA	1871	1323	0.02639	1.4	NM_025772.4	AW048963; sdy; 5430437B18Rik; dysbindin
ILMN_2755660	LOC100044779	PREDICTED: Mus musculus similar to prothymosin alpha (LOC100044779), misc RNA	907	638	0.00527	1.4	XR_030993.1	
ILMN_2620603	Smyd4	Mus musculus SET and MYND domain containing 4 (Smyd4), mRNA	160	112	0.00497	1.4	NM_177009.3	RP23-384C18.3; G430029E23Rik
ILMN_1254630	Ptpre	Mus musculus protein tyrosine phosphatase, receptor type, E (Ptpre), mRNA	1856	1303	0.02489	1.4	NM_011212.3	PTPe; PTPepsilon
ILMN_3162143	1190007F08Rik	PREDICTED: Mus musculus RIKEN cDNA 1190007F08 gene (1190007F08Rik), misc RNA	1390	975	0.01745	1.4	XR_035126.1	
ILMN_1214952	Cln3	Mus musculus ceroid lipofuscinosis, neuronal 3, juvenile (Batten, Spielmeier-Vog)	1834	1286	0.00341	1.4	NM_009907.2	A1323623
ILMN_1223313	Fn3k	Mus musculus fructosamine 3 kinase (Fn3k), transcript variant 1, mRNA	320	225	0.02013	1.4	NM_022014.2	2310074G21Rik
ILMN_2764309	Dusp14	Mus musculus dual specificity phosphatase 14 (Dusp14), mRNA	280	196	0.00207	1.4	NM_019819.3	D11Erd3395e; MKP-L; Mkp6; 1110014C10Rik; 2310042C07Rik
ILMN_1229500	Gzmm	Mus musculus granzyme M (lymphocyte met-ase 1) (Gzmm), mRNA	162	114	0.03800	1.4	NM_008504.2	MMET-1; Lmet1
ILMN_1222250	Rpl21	Mus musculus ribosomal protein L21 (Rpl21), mRNA	142	99	0.00194	1.4	NM_019647.5	MGC117917; 8430440E03Rik; MGC107026; MGC107587; MGC107588; MGC107690; L21
ILMN_2474858	Tnfaip2	Mus musculus tumor necrosis factor, alpha-induced protein 2 (Tnfaip2), mRNA	185	129	0.02805	1.4	NM_009396.1	Tnfp2; tnf94
ILMN_2498592	Ovo2	Mus musculus ovo-like 2 (Drosophila) (Ovo2), transcript variant A, mRNA	110	76	0.00445	1.4	NM_026924.3	1810007D21Rik; Zfp339; 1700108N11Rik; Ovo2; M-OVO-A; movo2; M-OVO-B; MOV0; M-OVO
ILMN_2687637	LOC100046421	PREDICTED: Mus musculus similar to D4Erd196e protein (LOC100046421), mRNA	2450	1701	0.00872	1.4	XM_001476180.1	
ILMN_2623184	Nkiras2	Mus musculus NFKB inhibitor interacting Ras-like protein 2 (Nkiras2), mRNA	633	436	0.00144	1.5	NM_028024.2	KBRAS2; D630018G21Rik; 2410003M04Rik; 4930527H08Rik
ILMN_2702605	Cisd1	Mus musculus CDGSH iron sulfur domain 1 (Cisd1), mRNA	777	535	0.02818	1.5	NM_134007.4	D10Erd214e; AW743335; AU043990; Zcd1; mitoNEET
ILMN_1225386	2300009A05Rik	PREDICTED: Mus musculus RIKEN cDNA 2300009A05 gene, transcript variant 3	1235	850	0.01789	1.5	XM_898537.2	
ILMN_1229529	Hsd17b7	Mus musculus hydroxysteroid (17-beta) dehydrogenase 7 (Hsd17b7), mRNA	758	519	0.00514	1.5	NM_010476.3	A1266814
ILMN_2609998	Fxyd6	Mus musculus FXYD domain-containing ion transport regulator 6 (Fxyd6), mRNA	14284	9773	0.00130	1.5	NM_022004.6	O610030I18Rik; Php
ILMN_2663613	Iitgb5	Mus musculus integrin beta 5 (Iitgb5), mRNA	325	222	0.02747	1.5	NM_010580.1	[b]5a; AA475909; beta-5; [b]5b; [b]5; ESTM23; A1874634; beta5; [b]-5
ILMN_2641793	Dtx1	Mus musculus deltex 1 homolog (Drosophila) (Dtx1), mRNA	156	106	0.00076	1.5	NM_008052.3	KIAA4160; Fx1t1; mkIAA4160
ILMN_1255358	LOC100047712	PREDICTED: Mus musculus similar to coiled-coil domain containing 101	894	606	0.04300	1.5	XM_001478724.1	
ILMN_2773789	Par6a	Mus musculus par-6 (partitioning defective 6.) homolog alpha (C. elegans)	561	379	0.00421	1.5	NM_019695.2	TAX40; Par6; 0710008C04Rik; Rip-40; PAR6alpha; Par6c; Par-6
ILMN_2701750	2310061J03Rik		743	502	0.03057	1.5	NM_148411.1	
ILMN_2645662	Tmem86a	Mus musculus transmembrane protein 86A (Tmem86a), mRNA	499	337	0.03333	1.5	NM_026436.3	1810054O13Rik; AW742698; A1414959
ILMN_1233809	Cmtm7	Mus musculus CKLF-like MARVEL transmembrane domain containing 7 (Cmtm7), mRNA	234	158	0.00433	1.5	NM_133978.1	A1481279; Ckifsf7
ILMN_2616522	Crocc	Mus musculus ciliary rootlet coiled-coil, rootletin (Crocc), mRNA	182	122	0.03472	1.5	NM_172122.1	KIAA0445
ILMN_2635781	Rassf4	Mus musculus Ras association (RalGDS/AF-6) domain family 4 (Rassf4), mRNA	661	445	0.02264	1.5	NM_178045.3	A1586137; AD037; 3830411C14Rik
ILMN_1219904	Tspan33	Mus musculus tetraspanin 33 (Tspan33), mRNA	536	360	0.00966	1.5	NM_146173.2	MGC30714; AI035228; 1300010A20Rik
ILMN_1218310	Piga	Mus musculus phosphatidylinositol glycan anchor biosynthesis, class A (Piga), mRNA	502	336	0.00051	1.5	NM_011081.2	A1194334; Pig-a
ILMN_1252204	Sepw1	Mus musculus selenoprotein W, muscle 1 (Sepw1), mRNA	554	371	0.02443	1.5	NM_009156.2	selW
ILMN_2744531	Cygb	Mus musculus cytoglobin (Cygb), mRNA	178	118	0.00808	1.5	NM_030206.3	3110001K20Rik; Staap; Hgb
ILMN_2711163	Ctsk	Mus musculus cathepsin K (Ctsk), mRNA	156	104	0.02752	1.5	NM_007802.3	MMS10-Q; catK; Ms10q; A1323530
ILMN_1250195	Ndrg1	Mus musculus N-myc downstream regulated gene 1 (Ndrg1), mRNA	1537	1019	0.03449	1.5	NM_008681.2	CMT4D; Ndr1; CAP43; Ndr1; RTP; PROXY1; NMSL; HMSNL; DRG1; TOD5
ILMN_2717011	Bik	Mus musculus Bcl2-interacting killer (Bik), mRNA	279	185	0.02430	1.5	NM_007546.2	Nbk; Bkl; Bklk
ILMN_2690460	Jakmp1	Mus musculus janus kinase and microtubule interacting protein 1 (Jakmp1), mRNA	3713	2455	0.00615	1.5	NM_178394.3	Gababrbp; C330021K24Rik; Marlin-1; 5830437M04Rik
ILMN_1217767	Glxr5	Mus musculus glutaredoxin 5 homolog (S. cerevisiae) (Glxr5), mRNA	4474	2954	0.01042	1.5	NM_028419.2	2900070E19Rik; 2310004O13Rik; AU020725
ILMN_1252830	Mras	Mus musculus muscle and microspikes RAS (Mras), mRNA	479	315	0.00401	1.5	NM_008624.3	A1326250
ILMN_2693922	Egfr	Mus musculus epidermal growth factor receptor (Egfr), transcript variant 1, mRNA	658	432	0.00668	1.5	NM_207655.2	wa-2; Erbb; 9030024J15Rik; A1552599; Errp; Wa5; wa2
ILMN_3163006	Il11re	Mus musculus interleukin 17 receptor E (Il11re), transcript variant 1, mRNA	657	423	0.00436	1.6	NM_145826.4	AA589509; IL-17RE
ILMN_2676127	Scarf2	Mus musculus scavenger receptor class F, member 2 (Scarf2), mRNA	2001	1285	0.00526	1.6	NM_153790.2	W53987; SRECRP-1; Scatf1; Scarf1; Srecl1; SREC-II; W65560; NSR1; A1194363; Srec2
ILMN_1235747	Sult1c2	Mus musculus sulfotransferase family, cytosolic, 1C, member 2 (Sult1c2), mRNA	1404	898	0.03962	1.6	NM_026935.4	1810008N17Rik; ST1C1; Sult1c1
ILMN_2737738	Fbxo27	Mus musculus F-box protein 27 (Fbxo27), mRNA	328	209	0.02838	1.6	NM_207238.2	FBG5; Gm161; E130008B10Rik
ILMN_2773862	C730025P13Rik	Mus musculus RIKEN cDNA C730025P13 gene (C730025P13Rik), mRNA	335	212	0.00094	1.6	NM_177344.3	RP23-132N23.14
ILMN_1254359	A230106N23Rik	Mus musculus RIKEN cDNA A230106N23 gene (A230106N23Rik), mRNA	242	148	0.00083	1.6	NM_177838.2	
ILMN_2648669	Gpnmb	Mus musculus glycoprotein (transmembrane) nmb (Gpnmb), mRNA	301	184	0.04302	1.6	NM_053110.3	ipd; Dchil
ILMN_2738345	Lims2	Mus musculus LIM and senescent cell antigen like domains 2 (Lims2), mRNA	395	240	0.02648	1.6	NM_144862.3	PINCH2
ILMN_2619408	Atf3	Mus musculus activating transcription factor 3 (Atf3), mRNA	125	75	0.03960	1.7	NM_007498.2	LRG-21
ILMN_2483304	Lyve1	Mus musculus lymphatic vessel endothelial hyaluronan receptor 1 (Lyve1), mRNA	409	244	0.00993	1.7	NM_053247.4	Lyve-1; Xikd1; Crsbp-1; 1200012G08Rik
ILMN_1257251	Txn14b	Mus musculus thioredoxin-like 4B (Txn14b), mRNA	472	281	0.00401	1.7	NM_175646.2	DLP; Dim2; D530025J19Rik; A1595343
ILMN_2760272	Rorc	Mus musculus RAR-related orphan receptor gamma (Rorc), mRNA	274	159	0.00127	1.7	NM_011281.1	Nr1f3; RORgamma; Thor; TOR
ILMN_2667091	Ppp1r3c	Mus musculus protein phosphatase 1, regulatory (inhibitor) subunit 3C (Ppp1r3c)	375	214	0.00062	1.7	NM_016854.2	PTG; Rpp1r5
ILMN_2634083	Cdkn1a	Mus musculus cyclin-dependent kinase inhibitor 1A (P21) (Cdkn1a), mRNA	2413	1369	0.01004	1.8	NM_007669.3	mda6; p21WAF; Waf1; p21Cip1; SDI1; P21; CIP1; CDKI; Cdkn1; CAP20
ILMN_2611295	Dusp26	Mus musculus dual specificity phosphatase 26 (putative) (Dusp26), mRNA	1379	780	0.01308	1.8	NM_025869.3	2310043K02Rik; Skrp3
ILMN_1234341	Gipc2	Mus musculus GIPC PDZ domain containing family, member 2 (Gipc2), mRNA	488	269	0.00174	1.8	NM_016867.1	2200002N01Rik; Serncap2; AU021850
ILMN_2707510	Arntl	Mus musculus aryl hydrocarbon receptor nuclear translocator-like (Arntl), mRNA	226	125	0.01549	1.8	NM_007489.3	Bmal1; MOP3; bmal1b; BMAL1b; Arnt3
ILMN_1232336	1700007K13Rik	Mus musculus RIKEN cDNA 1700007K13 gene (1700007K13Rik), mRNA	227	123	0.02279	1.8	NM_027040.1	MGC118342; pierce 1; RP23-430H1.2
ILMN_2649773	Slc38a5	Mus musculus solute carrier family 38, member 5 (Slc38a5), mRNA	1219	653	0.02424	1.9	NM_172479.2	JM24; SN2; E330031E14; C81234
ILMN_1213903	Hip1r	Mus musculus huntingtin interacting protein 1 related (Hip1r), mRNA	6244	3323	0.00031	1.9	NM_145070.2	AA410023; mkIAA0655
ILMN_2754222	Rpp25	Mus musculus ribonuclease P 25 subunit (human) (Rpp25), mRNA	815	433	0.00031	1.9	NM_133982.1	MGC102363; A1851155
ILMN_2594139	6330403K07Rik	Mus musculus RIKEN cDNA 6330403K07 gene (6330403K07Rik), mRNA	378	196	0.02635	1.9	NM_134022.2	UGS148; RP23-83113.10; A1415455
ILMN_2647533	Slc41a3	Mus musculus solute carrier family 41, member 3 (Slc41a3), transcript variant 1	325	169	0.00048	1.9	NM_027868.2	SLC41A1-L2; A1480742; T010001P06Rik
ILMN_2595732	LOC100046232	PREDICTED: Mus musculus similar to NFIL3/E4BP4 transcription factor	5140	2492	0.00048	2.1	XM_001475817.1	
ILMN_1252076	Lyzs	Mus musculus lysozyme (Lyzs), mRNA	257	122	0.05059	2.1	NM_017372.3	Lys; Lzm; Lzp; Lzm-s1; A1326280
ILMN_1238215	Ctcf		243	110	0.03190	2.2	NM_010217	
ILMN_2685306	Lad1	Mus musculus laminin (Lad1), mRNA	334	151	0.00077	2.2	NM_133664.3	
ILMN_2712120	S100a6	Mus musculus S100 calcium binding protein A6 (calcyclin) (S100a6), mRNA	3641	1528	0.00853	2.4	NM_011313.2	2A9; Cacy; PRA; CALCYCLIN; 5B10
ILMN_1238547	Areg	Mus musculus amphiregulin (Areg), mRNA	475	180	0.04013	2.6	NM_009704.3	Sdgr; AR
ILMN_2684371	LOC100047628	PREDICTED: Mus musculus similar to Chain L, Structural Basis Of Antigen Mimicry	691	81	0.00005	8.5	XM_001476703.1	
ILMN_2635272	Igh-VJ558	PREDICTED: Mus musculus immunoglobulin heavy chain (J558 family) (Igh-VJ558), mRNA	913	62	0.00010	14.7	XM_001472091.1	