

Supporting Information

Qin et al. 10.1073/pnas.1019082108

Table S1. Genes up-regulated in Tregs compared with BDC and N79 cells

Probe set ID	Fold change	Symbol	Description	GenBank accession no.
10569017	534.23	Ifitm3	IFN-induced transmembrane protein 3	NM_025378
10440002	528.55	Gpr128	G protein-coupled receptor 128	NM_172825
10476740	360.85	Slc24a3	Solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	NM_053195
10375443	343.18	Havcr2	Hepatitis A virus cellular receptor 2	NM_134250
10471677	298.22	Dab2ip	Disabled homolog 2 (<i>Drosophila</i>)-interacting protein	NM_001001602
10601867	219.22	Kir3dl1	KIR, three domains, long cytoplasmic tail, 1	NM_177749
10606870	189.83	Kir3dl2	KIR, three domains, long cytoplasmic tail, 2	NM_177748
10378286	176.23	Itgae	Integrin- α E, epithelial-associated	NM_008399
10429580	172.85			
10558769	137.04			ENSMUST0000 0026564
10570434	112.36			ENSMUST0000 0026564
10360173	85.49	Slamf7	SLAM family member 7	AK089525
10464400	76.91	E330013 P04Rik	RIKEN cDNA E330013P04 gene	BC076607
10552406	69.68	Nkg7	NK cell group 7 sequence	NM_024253
10357553	59.72	Il24	IL-24	NM_053095
10392464	56.92	BC029169	cDNA sequence BC029169	BC023310
10538187	51.86	Gpnmb	Glycoprotein (transmembrane) nmb	NM_053110
10522075	48.64	Klhf5	Kelch-like 5 (<i>Drosophila</i>)	NM_175174
10506274	47.23	Dnajc6	DnaJ (Hsp40) homolog, subfamily C, member 6	NM_198412
10463005	42.83	Cyp2c55	Cytochrome P450, family 2, subfamily c, polypeptide 55	NM_028089
10396671	40.82	Plekhg3	Pleckstrin homology domain-containing, family G (with RhoGef domain), member 3	NM_153804
10482528	40.48	Neb	Nebulin	NM_010889
10518989	39.76	Trp73	Transformation-related protein 73	NM_011642
10534940	39.42	Pilrb2	Paired Ig-like type 2 receptor- β 2	NM_001024932
10441530	35.91	Sytl3	Synaptotagmin-like 3	NM_183370
10551542	34.14			ENSMUST0000 0032818
10428534	34.01	Trps1	Trichorhinophalangeal syndrome I (human)	AK046585
10406736	32.24	F2rl2	Coagulation factor II (thrombin) receptor-like 2	NM_010170
10495107	31.92	Adora3	Adenosine A3 receptor	NM_009631
10574276	31.04	Gpr97	G protein-coupled receptor 97	NM_173036
10594825	29.57	Aqp9	Aquaporin 9	NM_022026
10505445	28.11	Orm3	Orosomucoid 3	NM_013623
10476443	28.09	Plcb4	Phospholipase C, β 4	NM_013829
10432540	27.95	Lima1	LIM domain and actin-binding 1	NM_023063
10585338	25.92	Kdelc2	KDEL (Lys-Asp-Glu-Leu)-containing 2	NM_212445
10500529	23.92	Phgdh	3-phosphoglycerate dehydrogenase	NM_016966
10558439	22.84	Phgdh	3-phosphoglycerate dehydrogenase	NM_016966
10401841	22.55	Dio2	Deiodinase, iodothyronine, type II	NM_010050
10388211	22.52	Spns3	Spinster homolog 3 (<i>Drosophila</i>)	NM_029932
10428536	21.36	Trps1	Trichorhinophalangeal syndrome I (human)	NM_032000
10411235	21.30	Iqgap2	IQ motif-containing GTPase-activating protein 2	NM_027711
10603182	19.90	Arhgap6	Rho GTPase-activating protein 6	NM_009707
10519747	19.36	Sema3e	Sema domain, Ig domain (Ig), short basic domain, secreted, (semaphorin) 3E	NM_011348
10439527	18.94	ENSMUSG0 0000071552	Predicted gene, ENSMUSG0000071552	XM_001479949
10399908	18.86	Prkar2b	Protein kinase, cAMP-dependent regulatory, type II β	NM_011158
10493812	18.39	S100a4	S100 calcium-binding protein A4	NM_011311
10593332	17.35	Bco2	β -Carotene oxygenase 2	NM_133217
10466521	17.31	Gcnt1	Glucosaminyl (<i>N</i> -acetyl) transferase 1, core 2	NM_173442
10516518	16.77	Tlr12	Toll-like receptor 12	NM_205823
10403816	16.11	Tcr γ -V4	TCR- γ , variable 4	X04699
10552919	16.11	Hrc	Histidine-rich calcium-binding protein	NM_010473
10397002	15.17	Sipa1l1	Signal-induced proliferation-associated 1-like 1	NM_172579
10487208	14.93	Atp8b4	ATPase, class I, type 8B, member 4	NM_001080944

Table S1. Cont.

Probe set ID	Fold change	Symbol	Description	GenBank accession no.
10542691	14.73	Lrmp	Lymphoid-restricted membrane protein	NM_008511
10485378	14.60	2600010 E01Rik	RIKEN cDNA 2600010E01 gene	NM_175181
10476314	13.92	Prnp	Prion protein	NM_011170
10393341	13.91	Rhbdf2	Rhomboid 5 homolog 2 (<i>Drosophila</i>)	NM_172572
10370210	13.50	Col6a1	Collagen, type VI, α 1	NM_009933
10573451	13.02	Syce2	Synaptonemal complex central element protein 2	NM_027954
10498576	12.81	Lxn	Latexin	NM_016753
10534935	12.79	Pilrb1	Paired Ig-like type 2 receptor- β 1	NM_133209
10500899	12.78	7530404 M11Rik	RIKEN cDNA 7530404M11 gene	NM_183224
10429573	12.60	Ly6c2	Lymphocyte antigen 6 complex, locus C2	NM_001099217
10601404	12.19			
10498350	11.92	P2ry14	Purinergic receptor P2Y, G protein-coupled, 14	NM_133200
10452648	11.86	Emilin2	Elastin microfibril interfacier 2	NM_145158
10547719	11.74	Clstn3	Calsyntenin 3	NM_153508
10498076	11.59	Mam13	Mastermind-like 3 (<i>Drosophila</i>)	NM_001004176
10491272	11.37			
10429568	11.29	Ly6c1	Lymphocyte antigen 6 complex, locus C1	NM_010741
10495794	10.81	Pde5a	Phosphodiesterase 5A, cGMP-specific	NM_153422
10380566	10.80	Phospho1	Phosphatase, orphan 1	NM_153104
10538842	10.79	Gng12	Guanine nucleotide-binding protein (G protein), γ 12	NM_025278
10462702	10.25	Hectd2	HECT domain-containing 2	NM_172637
10577217	10.10	EG665516	Predicted gene, EG665516	XR_031967
10415111	10.07	Bcl2l2	Bcl2-like 2	NM_007537
10509441	10.01	Ece1	Endothelin-converting enzyme 1	NM_199307
10583551	9.15	Pde4a	Phosphodiesterase 4A, cAMP-specific	NM_183408
10569014	9.01	Ifitm2	IFN-induced transmembrane protein 2	NM_030694
10582082	8.94	Slc38a8	Solute carrier family 38, member 8	NM_001009950
10413086	8.84	Adk	Adenosine kinase	NM_134079
10356299	8.58	Gpr55	G protein-coupled receptor 55	NM_001033290
10586591	8.46	Car12	Carbonic anhydrase 12	NM_178396
10399924	8.33	Pik3cg	Phosphoinositide-3-kinase, catalytic, γ -polypeptide	NM_020272
10383756	8.19	Ifitm2	IFN-induced transmembrane protein 2	NM_030694
10477595	7.54	a	Nonagouti	NM_015770
10395074	7.34	Myt1l	Myelin transcription factor 1-like	NM_001093775
10433057	7.26	Calcoco1	Calcium-binding and coiled-coil domain 1	NM_026192
10553299	7.12			ENSMUST0000 0081649
10366043	6.91	Dusp6	Dual specificity phosphatase 6	NM_026268
10425207	6.87	H1f0	1 H histone family, member 0	NM_008197
10363901	6.60	EG216082	Predicted gene, EG216082	NR_002887
10351873	6.29	Pyhin1	Pyrin and HIN domain family, member 1	BC107378
10557009	6.25	Eef2k	Eukaryotic elongation factor-2 kinase	NM_007908
10406982	6.22	Adamts6	A disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 6	NM_001081020
10468795	5.92	Rab11fip2	RAB11 family-interacting protein 2 (class I)	NM_001033172
10356475	5.77	Arl4c	ADP ribosylation factor-like 4C	NM_177305
10489891	5.64	B4galt5	UDP-Gal: β GlcNAc- β 1,4-galactosyltransferase, polypeptide 5	NM_019835
10570018	5.59	Tnfsf13b	TNF (ligand) superfamily, member 13b	NM_033622
10441422	5.58	Zdhhc14	Zinc finger, DHHC domain-containing 14	NM_146073
10541049	5.00	MARCH8	Membrane-associated ring finger (C3HC4) 8	NM_027920
10529890	4.82			
10487359	4.77	1700041 B20Rik	RIKEN cDNA 1700041B20 gene	BC130218
10362402	4.49			
10488912	4.49	Edem2	ER degradation enhancer, mannosidase α -like 2	NM_145537
10564909	4.39	Man2a2	Mannosidase 2, α 2	NM_172903
10421309	4.39	Slc39a14	Solute carrier family 39 (zinc transporter), member 14	NM_144808
10565890	4.37	Dnajb13	DnaJ (Hsp40)-related, subfamily B, member 13	NM_153527
10544114	4.28	Hipk2	Homeodomain-interacting protein kinase 2	NM_010433
10427131	4.24	Soat2	Sterol O-acyltransferase 2	NM_146064
10470042	3.96	Fut7	Fucosyltransferase 7	NM_013524
10454632	3.85	Camk4	Calcium/calmodulin-dependent protein kinase IV	NM_009793
10392701	3.30	Slc39a11	Solute carrier family 39 (metal ion transporter), member 11	NM_027216
10482687	3.28	Arl5a	ADP ribosylation factor-like 5A	NM_182994
10397645	3.08	Gpr65	G protein-coupled receptor 65	NM_008152
10346224	3.06	5330401 P04Rik	RIKEN cDNA 5330401P04 gene	BC028796

Table S2. Genes down-regulated in Treg compared with BDC and N79 cells

Probe set ID	Fold change	Symbol	Description	GenBank accession no.
10364030	-808.86	Adora2a	Adenosine A2a receptor	NM_009630
10489484	-417.24	Sdc4	Syndecan 4	NM_011521
10606369	-409.53	Itm2a	Integral membrane protein 2A	NM_008409
10495854	-397.71	Prss12	Protease, serine, 12 neurotrypsin (motopsin)	NM_008939
10483178	-324.18	Cobl1	Cobl-like 1	NM_177025
10473125	-302.11			
10363231	-298.95	Smpd13a	Sphingomyelin phosphodiesterase, acid-like 3A	NM_020561
10560709	-243.76			
10474836	-236.09	Ivd	Isovaleryl CoA dehydrogenase	NM_019826
10442396	-232.16	Abca3	ATP-binding cassette, subfamily A (ABC1), member 3	NM_013855
10501586	-230.65	S1pr1	Sphingosine-1-phosphate receptor 1	NM_007901
10484318	-190.52	Nckap1	NCK-associated protein 1	NM_016965
10466040	-182.69	Cd5	CD5 antigen	NM_007650
10436967	-164.85	Cbr1	Carbonyl reductase 1	NM_007620
10593225	-146.89	Zbtb16	Zinc finger and BTB domain-containing 16	NM_001033324
10407072	-143.76	Elovl7	ELOVL family member 7, elongation of long-chain fatty acids (yeast)	NM_029001
10414860	-140.28			
10414754	-140.28			
10600504	-129.56	Fundc2	FUN14 domain-containing 2	NM_026126
10540897	-126.83	Pparg	Peroxisome proliferator-activated receptor- γ	NM_011146
10509568	-125.03	Camk2n1	Calcium/calmodulin-dependent protein kinase II inhibitor 1	NM_025451
10505030	-122.44	Fsd1l	Fibronectin type III and SPRY domain-containing 1-like	NM_176966
10493990	-121.64	S100a11	S100 calcium-binding protein A11 (calgizzarin)	NM_016740
10505008	-121.15	Slc44a1	Solute carrier family 44, member 1	NM_133891
10461553	-121.01	A430093 F15Rik	RIKEN cDNA A430093F15 gene	BC064125
10466054	-117.01	Cd6	CD6 antigen	NM_009852
10383210	-108.94			
10349383	-108.56	Slc35f5	Solute carrier family 35, member F5	NM_028787
10383214	-107.56	Rnf213	Ring finger protein 213	NM_001040005
10458028	-103.02	Gypc	Glycophorin C	NM_001048207
10457640	-100.64	S100a11	S100 calcium-binding protein A11 (calgizzarin)	NM_016740
10483228	-99.44	Scn3a	Sodium channel, voltage-gated, type III α	NM_018732
10469110	-89.78	Usp6nl	USP6 N terminal-like	NM_001080548
10367634	-85.21	Akap12	A kinase (PRKA) anchor protein (gravin) 12	NM_031185
10547807	-81.83	Eno2	Enolase 2, γ -neuronal	NM_013509
10420198	-78.40	Ripk3	Receptor-interacting serine-threonine kinase 3	NM_019955
10519951	-77.82	A530088 I07Rik	RIKEN cDNA A530088I07 gene	NM_175437
10362959	-75.68	Popdc3	Popeye domain-containing 3	NM_024286
10603567	-68.97	Dynlt3	Dynein light chain Tctex-type 3	NM_025975
10459905	-68.34	Setbp1	SET-binding protein 1	NM_053099
10595480	-67.31	Me1	Malic enzyme 1, NADP(+)-dependent, cytosolic	NM_008615
10504755	-66.61			
10496813	-66.20	Ctbs	Chitinase, di-N-acetyl-	NM_028836
10383204	-65.84			
10363118	-64.82	Dcbld1	Discoidin, CUB and LCCL domain-containing 1	NM_025705
10472350	-64.04	Gca	Grancalcin	NM_145523
10412123	-63.35	EG668181	Predicted gene, EG668181	XR_032778
10470182	-62.65	Bmyc	Brain-expressed myelocytomatosis oncogene	NM_023326
10474129	-61.03	E430002 G05Rik	RIKEN cDNA E430002G05 gene	NM_173749
10598586	-58.73	Xk	Kell blood group precursor (McLeod phenotype) homolog	NM_023500
10603551	-57.30	Cybb	Cytochrome <i>b</i> -245, β -polypeptide	NM_007807
10565712	-51.99	Phca	Phytoceramidase, alkaline	NM_025408
10542842	-51.87	Ccdc91	Coiled-coil domain-containing 91	NM_025911
10462603	-51.29	Fas	Fas (TNF receptor superfamily member 6)	NM_007987
10372028	-51.22	Plxnc1	Plexin C1	NM_018797
10361323	-50.88	Cnksr3	Cnksr family member 3	NM_172546
10396440	-50.04	EG277089	Predicted gene, EG277089	XM_204772
10411668	-49.59	Ocln	Occludin	NM_008756
10545827	-49.34	Rab11fip5	RAB11 family-interacting protein 5 (class I)	NM_001003955
10369102	-48.99			
10379765	-47.82	Hnf1b	HNF1 homeobox B	NM_009330

Table S2. Cont.

Probe set ID	Fold change	Symbol	Description	GenBank accession no.
10462507	-47.76	Papss2	3'-phosphoadenosine 5'-phosphosulfate synthase 2	NM_011864
10561702	-47.09	Kcnk6	Potassium inwardly-rectifying channel, subfamily K, member 6	BC115791
10549504	-46.34	D030011 O10Rik	RIKEN cDNA D030011O10 gene	NM_177192
10414885	-45.27			
10414778	-45.27			
10505028	-45.26	Slc44a1	Solute carrier family 44, member 1	AK141895
10457536	-45.26			
10417620	-44.64	Fezf2	Fez family zinc finger 2	NM_080433
10392642	-44.40	Abca5	ATP-binding cassette, subfamily A (ABC1), member 5	NM_147219
10350046	-42.29	Jarid1b	Jumonji, AT-rich interactive domain 1B (Rbp2-like)	NM_152895
10565345	-41.51			
10522827	-40.31	Csn1s1	Casein- α 1	NM_007784
10355456	-39.94	Mreg	Melanoregulin	NM_001005423
10414950	-39.76	LOC630426	Hypothetical protein LOC630426	XR_030843
10404250	-39.56	Dcdc2a	Doublecortin domain-containing 2a	NM_177577
10401935	-37.68	BC005685	cDNA sequence BC005685	BC005685
10355312	-35.90	Ikzf2	IKAROS family zinc finger 2	NM_011770
10383202	-35.02			
10344924	-34.70	Xkr9	X Kell blood group precursor-related family member 9 homolog	NM_001011873
10503508	-34.66	Ggh	γ -Glutamyl hydrolase	NM_010281
10503523	-34.66			ENSMUST0000 0029904
10411226	-34.60	F2r1	Coagulation factor II (thrombin) receptor-like 1	NM_007974
10403796	-34.22	Amph	Amphiphysin	NM_175007
10468722	-33.71	Gfra1	Glial cell line-derived neurotrophic factor family receptor- α 1	NM_010279
10472820	-32.55	Itga6	Integrin- α 6	NM_008397
10466976	-32.54	Gldc	Glycine decarboxylase	NM_138595
10489985	-31.91	Atp9a	ATPase, class II, type 9A	NM_015731
10383233	-31.56			
10531919	-31.10	Hsd17b11	Hydroxysteroid (17- β) dehydrogenase 11	NM_053262
10592050	-30.99	Barx2	BarH-like homeobox 2	NM_013800
10599976	-30.79	Mtm1	X-linked myotubular myopathy gene 1	NM_019926
10366229	-29.90	Lin7a	Lin-7 homolog A (<i>Caenorhabditis elegans</i>)	NM_001039354
10423230	-29.78	Cdh9	Cadherin 9	XM_986179
10551852	-28.75	Clip3	CAP-GLY domain-containing linker protein 3	NM_001081114
10522051	-28.66	Klf3	Kruppel-like factor 3 (basic)	NM_008453
10530841	-27.90	Igfbp7	Insulin-like growth factor-binding protein 7	NM_008048
10538802	-27.71			
10373768	-26.67	Selm	Selenoprotein M	NM_053267
10383208	-26.34			
10490826	-26.18			
10503835	-26.16	Rragd	Ras-related GTP-binding D	NM_027491
10363210	-25.90	Pkib	Protein kinase inhibitor- β , cAMP-dependent, testis-specific	NM_001039053
10571162	-25.89	Eif4ebp1	Eukaryotic translation initiation factor 4E-binding protein 1	NM_007918
10383168	-25.69			
10365833	-24.75			ENSMUST0000 0095333
10352194	-24.63	Cdc42bpa	Cdc42-binding protein kinase- α	BC096679
10399421	-24.59	Mycn	V-myc myelocytomatosis viral-related oncogene, neuroblastoma-derived (avian)	NM_008709
10519612	-23.98			
10538290	-23.69	Snx10	Sorting nexin 10	NM_028035
10351095	-23.56	Tnfsf4	TNF (ligand) superfamily, member 4	NM_009452
10383152	-23.54	LOC672511	Hypothetical LOC672511	XM_001477846
10383198	-23.49			
10368918	-22.48	Sobp	Sine oculis-binding protein homolog (<i>Drosophila</i>)	NM_175407
10450367	-22.00	Hspa1b	Heat shock protein 1B	NM_010478
10419288	-21.37	Gch1	GTP cyclohydrolase 1	NM_008102
10483215	-20.96	Scn3a	Sodium channel, voltage-gated, type III α	NM_018732
10383200	-20.57			

Table S2. Cont.

Probe set ID	Fold change	Symbol	Description	GenBank accession no.
10548030	-20.36	Cd9	CD9 antigen	NM_007657
10436865	-20.17	Ifngr2	IFN- γ receptor 2	NM_008338
10383212	-20.01			
10372831	-19.11			
10523156	-18.59	Cxcl2	Chemokine (C-X-C motif) ligand 2	NM_009140
10565089	-18.55	Cpeb1	Cytoplasmic polyadenylation element-binding protein 1	NM_007755
10450226	-18.16	Ppt2	Palmitoyl-protein thioesterase 2	NM_019441
10436456	-18.10	Pros1	Protein S (α)	NM_011173
10383502	-17.97	Slc16a3	Solute carrier family 16 (monocarboxylic acid transporters), member 3	NM_001038653
10587495	-17.88	Irak1bp1	IL-1 receptor-associated kinase 1-binding protein 1	NM_022986
10435305	-17.67	Itgb5	Integrin β 5	NM_010580
10590060	-17.60	Ctdspl	CTD (carboxyl-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	NM_133710
10438791	-17.24	Uts2d	Urotensin 2 domain-containing	NM_198166
10414741	-17.18			
10368175	-16.87	Pde7b	Phosphodiesterase 7B	NM_013875
10408613	-16.03	Tubb2b	Tubulin, β 2b	NM_023716
10538890	-15.94	LOC641050	Hypothetical protein LOC641050	M11024
10404069	-15.33	Hist1h1a	Histone cluster 1, H1a	NM_030609
10364950	-14.55	Gadd45b	Growth arrest and DNA damage-inducible 45- β	NM_008655
10410124	-13.48	Ctsl	Cathepsin L	NM_009984
10357158	-13.36	Ralb	V-ral simian leukemia viral oncogene homolog B (ras-related)	NM_022327
10504753	-13.31			
10349724	-12.79	Rab711	RAB7, member RAS oncogene family-like 1	NM_144875
10366774	-12.47	Avil	Avillin	NM_009635
10505299	-12.29	Bspry	B-box and SPRY domain-containing	NM_138653
10368144	-11.87	Tnfaip3	TNF- α -induced protein 3	NM_009397
10383206	-11.71			
10503334	-11.67	Gem	GTP-binding protein (gene overexpressed in skeletal muscle)	NM_010276
10433264	-11.23	Glis2	GLIS family zinc finger 2	NM_031184
10595718	-11.22	Chst2	Carbohydrate sulfotransferase 2	NM_018763
10414914	-11.19	X76971	cDNA sequence X76971	AF479020
10608664	-11.05			
10494023	-10.89	Rorc	RAR-related orphan receptor- γ	NM_011281
10445531	-10.85	Zfp318	Zinc finger protein 318	NM_207671
10497590	-10.66	Evi1	Ecotropic viral integration site 1	NM_007963
10464251	-10.40	Atrn1	Attractin-like 1	NM_181415
10411156	-10.08	Scamp1	Secretory carrier membrane protein 1	NM_029153
10500847	-9.86	Magi3	Membrane-associated guanylate kinase, WW and PDZ domain-containing 3	NM_133853
10536898	-9.44	Irf5	IFN regulatory factor 5	NM_012057
10510643	-9.03	Plekhg5	Pleckstrin homology domain-containing, family G (with RhoGef domain) member 5	NM_001004156
10349081	-9.00			
10560481	-8.98	Fosb	FBJ osteosarcoma oncogene B	NM_008036
10598448	-8.86	Kcnd1	Potassium voltage-gated channel, Shal-related family, member 1	NM_008423
10537123	-8.71			
10452633	-8.68	Tgif1	TGF- β -induced factor homeobox 1	NM_009372
10573234	-8.65	Lphn1	Latrophilin 1	NM_181039
10475580	-8.46	Slc12a1	Solute carrier family 12, member 1	NM_183354
10606235	-8.33	Zdhhc15	Zinc finger, DHHC domain-containing 15	NM_175358
10530310	-8.23	EG666938	Predicted gene, EG666938	XM_001477289
10469936	-7.78	Nrarp	Notch-regulated ankyrin repeat protein	NM_025980
10548656	-7.76	EG381818	Predicted gene, EG381818	XR_035022
10535043	-7.71	Pdgfa	Platelet-derived growth factor- α	NM_008808
10451303	-7.41	Ttbk1	τ -Tubulin kinase 1	BC094327
10409684	-7.00			

Table S2. Cont.

Probe set ID	Fold change	Symbol	Description	GenBank accession no.
10517336	-6.82	Clic4	Chloride intracellular channel 4 (mitochondrial)	NM_013885
10361828	-6.57	Cited2	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxyl-terminal domain, 2	NM_010828
10607619	-6.55	Cdkl5	Cyclin-dependent kinase-like 5	NM_001024624
10549282	-6.50	Itpr2	Inositol 1,4,5-triphosphate receptor 2	NM_019923
10558670	-6.32	Olfir541	Olfactory receptor 541	NM_146962
10536494	-6.31	Cav2	Caveolin 2	NM_016900
10354649	-6.16			
10380381	-6.14	Tob1	Transducer of ErbB-2.1	NM_009427
10355916	-6.07	Pax3	Paired box gene 3	NM_008781
10560575	-6.06	Relb	Avian reticuloendotheliosis viral (v-rel) oncogene-related B	NM_009046
10376796	-5.94	Grap	GRB2-related adaptor protein	NM_027817
10560964	-5.66	Pou2f2	POU domain, class 2, transcription factor 2	NM_011138
10404422	-5.57	Serpib6b	Serine (or cysteine) peptidase inhibitor, clade B, member 6b	NM_011454
10390032	-5.46			
10376060	-5.46	Irf1	IFN regulatory factor 1	NM_008390
10457606	-5.41	Kctd1	Potassium channel tetramerization domain-containing 1	NM_134112
10510270	-5.28	Mthfr	5,10-methylenetetrahydrofolate reductase	NM_010840
10405280	-4.92	Arl10	ADP ribosylation factor-like 10	NM_019968
10380137	-4.88	Bzrap1	Benzodiazepine receptor-associated protein 1	NM_172449
10574825	-4.83	Rltpr	RGD motif, leucine-rich repeats, tropomodulin domain and proline-rich-containing	BC115830
10369738	-4.73	Sirt1	Sirtuin 1 (silent mating type information regulation 2, homolog) 1 (<i>Saccharomyces cerevisiae</i>)	NM_019812
10387372	-4.40	Jmjd3	Jumonji domain-containing 3	NM_001017426
10577685	-4.36	Adam3	A disintegrin and metallopeptidase domain 3 (cyritestin)	NM_009619
10344966	-4.35	Ly96	Lymphocyte antigen 96	NM_016923
10480035	-4.32	Pfkfb3	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	NM_133232
10475027	-4.16	Tyro3	TYRO3 protein tyrosine kinase 3	NM_019392
10596403	-4.12	EG665033	Predicted gene, EG665033	XR_035671
10381574	-4.04	Rundc3a	RUN domain-containing 3A	NM_016759
10572724	-3.94			ENSMUST0000 0034259
10547976	-3.91	Tapbpl	TAP-binding protein-like	NM_145391
10546884	-3.86	Lhfp14	Lipoma HMGIC fusion partner-like protein 4	NM_177763
10376326	-3.74	Igtp	IFN- γ -induced GTPase	NM_018738
10576692	-3.71			
10472893	-3.55	B230120 H23Rik	RIKEN cDNA B230120H23 gene	NM_023057