

Supplementary Table 1 Blackburn et al

Supplementary Table 1 Nearest neighbor analysis

Rank	GENE NAME	DESCRIPTION	Score
0	PDCD1	PDCD1:programmed cell death 1	0
1	CCL3	CCL3:chemokine (C-C motif) ligand 3	0.008424
2	PTPN13	PTPN13:protein tyrosine phosphatase, non-receptor type 13	0.027676
3	CASP3	CASP3:caspase 3, apoptosis-related cysteine protease	0.028392
4	CD244	CD244:CD244 natural killer cell receptor 2B4	0.039714
5	GP49A	na	0.04136
6	NR4A2	NR4A2:nuclear receptor subfamily 4, group A, member 2	0.041783
7	TRG@	TRG@:T cell receptor gamma locus	0.049253
8	EEA1	EEA1:early endosome antigen 1, 162kD	0.049689
9	GP2D	GP2D:glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	0.050046
10	.SEPT4	SEPT4:septin 4	0.050754
11	FASLG	FASLG:Fas ligand (TNF superfamily, member 6)	0.062491
12	CD160	CD160:CD160 antigen	0.062578
13	IFIH1	IFIH1:interferon induced with helicase C domain 1	0.063032
14	TANK	TANK:TRAF family member-associated NFKB activator	0.06309
15	MDF1C	MDF1C:MyoD family inhibitor domain containing	0.063186
16	WBP5	WBP5:WW domain binding protein 5	0.064811
17	PTGER4	PTGER4:prostaglandin E receptor 4 (subtype EP4)	0.06595
18	SH2D2A	SH2D2A:SH2 domain protein 2A	0.066017
19	4631408011RIK	na	0.074308
20	NRP1	NRP1:Neuropilin 1	0.074342
21	ISG20	ISG20:interferon stimulated gene 20kDa	0.076608
22	GPR56	GPR56:G protein-coupled receptor 56	0.077863
23	CD7	CD7:CD7 antigen (p41)	0.079644
24	1110067D22RIK	na	0.080453
25	CCL4	CCL4:chemokine (C-C motif) ligand 4	0.082792
26	GAS2	GAS2:growth arrest-specific 2	0.08706
27	ENTPD1	ENTPD1:ectonucleoside triphosphate diphosphohydrolase 1	0.088582
28	NR1I4	NR1I4:nuclear receptor subfamily 1, group I, member 4	0.092239
29	NFATC1	NFATC1:nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1	0.092277
30	RSAD2	RSAD2:radical S-adenosyl methionine domain containing 2	0.094226
31	FGL2	FGL2:fibrinogen-like 2	0.094473
32	COCH	COCH:coagulation factor C homolog, cochlin (Limulus polyphemus)	0.097937
33	PBX3	PBX3:pre-B-cell leukemia transcription factor 3	0.098349
34	GPR65	GPR65:G protein-coupled receptor 65	0.098633
35	EOMES	EOMES:eoimesodermin homolog (Xenopus laevis)	0.104715
36	LITAF	LITAF:lipopolysaccharide-induced TNF factor	0.108904
37	SERPINA3G	na	0.110696
38	CCRL2	CCRL2:chemokine (C-C motif) receptor-like 2	0.112382
39	PTGER2	PTGER2:prostaglandin E receptor 2 (subtype EP2), 53kDa	0.114796
40	FYN	FYN:FYN oncogene related to SRC, FGR, YES	0.115074
41	LAG3	LAG3:lymphocyte-activation gene 3	0.116046
42	PERP	PERP:PERP, TP53 apoptosis effector	0.120127
43	SPP1	SPP1:secreted phosphoprotein 1 (osteopontin, bone sialoprotein I)	0.121543
44	TNFRSF1B	TNFRSF1B:tumor necrosis factor receptor superfamily, member 1B	0.122461
45	1300007C21RIK /// LO	na	0.122729
46	SFRS2IP	SFRS2IP:splicing factor, arginine/serine-rich 2, interacting protein	0.125333
47	CD200	CD200:CD200 antigen	0.126373
48	CXCL10	CXCL10:chemokine (C-X-C motif) ligand 10	0.128178
49	H2-T23	na	0.128194
50	1810035L17RIK	na	0.129177
51	PENK1	na	0.130642
52	IIGP1	na	0.131724
53	AHR	AHR:aryl hydrocarbon receptor	0.132818
54	2010100O12RIK	na	0.132825
55	D17H6S56E-5	na	0.133011
56	RNF11	RNF11:ring finger protein 11	0.133251
57	LYCAT	LYCAT:Lysocardiolipin acyltransferase	0.135759
58	ADAM19	ADAM19:a disintegrin and metalloproteinase domain 19 (meltrin beta)	0.137885
59	CD9	CD9:CD9 antigen (p24)	0.140893
60	ART3	ART3:ADP-ribosyltransferase 3	0.142473
61	PGLYRP1	PGLYRP1:peptidoglycan recognition protein 1	0.14278
62	GM1066	na	0.143157
63	IFIT1	IFIT1:interferon-induced protein with tetratricopeptide repeats 1	0.143255
64	TCRB-J /// LOC381765	na	0.14627
65	BC039093	na	0.146872
66	TNFRSF7	TNFRSF7:tumor necrosis factor receptor superfamily, member 7	0.147088
67	GZMK	GZMK:granzyme K (serine protease, granzyme 3; tryptase II)	0.14802
68	MLLT3	MLLT3:myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila)	0.149096
69	RGS16	RGS16:regulator of G-protein signalling 16	0.151003
70	IFIT3	IFIT3:interferon-induced protein with tetratricopeptide repeats 3	0.151186
71	CBX6	CBX6:chromobox homolog 6	0.152989
72	ITM2C	ITM2C:integral membrane protein 2C	0.154359
73	ALCAM	ALCAM:activated leukocyte cell adhesion molecule	0.155478
74	BCL2A1A /// BCL2A1B	na	0.1556
75	C330007P06RIK	na	0.157374
76	IRF8	IRF8:interferon regulatory factor 8 /// interferon regulatory factor 8	0.158911
77	GP49A /// LILRB4	na	0.160754
78	TRIM17 /// HIST3H2A	na	0.161027
79	IFI204	na	0.161116
80	RBL2	RBL2:retinoblastoma-like 2 (p130)	0.16141
81	ITGAV	ITGAV:integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	0.161888
82	CASP1	CASP1:caspase 1, apoptosis-related cysteine protease (interleukin 1, beta, convertase)	0.162062
83	CTLA4	CTLA4:cytotoxic T-lymphocyte-associated protein 4	0.162364
84	EIF3S1	EIF3S1:eukaryotic translation initiation factor 3, subunit 1 alpha, 35kDa	0.162971
85	SPG21	SPG21:spastic paraplegia 21 (autosomal recessive, Mast syndrome)	0.164281
86	CAPZB	CAPZB:capping protein (actin filament) muscle Z-line, beta	0.166393
87	ACADL	ACADL:acyl-Coenzyme A dehydrogenase, long chain	0.166683
88	MX1	MX1:myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)	0.168045
89	NDUFA5	NDUFA5:NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa	0.169597
90	RASA1	RASA1:RAS p21 protein activator (GTPase activating protein) 1	0.170977
91	SERPINB6A	na	0.172751
92	RCN1	RCN1:reticulocalbin 1, EF-hand calcium binding domain	0.175488
93	TNFSF11	TNFSF11:tumor necrosis factor (ligand) superfamily, member 11	0.175657
94	HCCS	HCCS:hologochrom c synthase (cytochrome c heme-lyase)	0.176435
95	CCR5	CCR5:chemokine (C-C motif) receptor 5	0.177572
96	2310015N07RIK	na	0.177582
97	583047E12RIK	na	0.17964
98	CPEB2	CPEB2:cytoplasmic polyadenylation element binding protein 2	0.179894
99	NUCB1	NUCB1:nucleobindin 1	0.179917