

Supplemental Table 2, Related to Figure 1

| Signature: | Th1 | Th1 (continued) | Tfh | Tcmp | Tmem | Treg | Dysfuntion |
|------------|---------------|-----------------|---------------|---------------|-----------|----------|---------------|
| | 4930453N24Rik | Il18rap | 2310001H17Rik | 1810058I24Rik | Btg1 | Bmyc | 2010111I01Rik |
| | Abrac1 | Il2rb | Aldoa | Ablim1 | Ccnd2 | Btg1 | Ar66ip1 |
| | Acot7 | Itga4 | Angptl2 | Acot7 | Eif4a2 | Capg | AW112010 |
| | Actb | Itgb2 | Asap1 | Acp5 | Gm10073 | Ccnd2 | Bhlhe40 |
| | Actg1 | Itgb7 | Batf | Actn1 | Il7r | Cd2 | Ccl3 |
| | Actr3 | Klrc1 | BC021614 | Adgre5 | Malat1 | Cd74 | Ccl4 |
| | Adgre5 | Krtcap2 | Bcl2a1b | Adk | Rabac1 | Ctla4 | Ccl5 |
| | Agpat4 | Lfng | Borcs8 | Ahnak | Rpl12 | Foxp3 | Ccr5 |
| | Ahnak | Lgals1 | Cd160 | Anp32a | Rpl13 | Gbp7 | Cd160 |
| | Anxa1 | Lgals3 | Cd200 | Anxa2 | Rpl13-ps3 | Gimap7 | Cd27 |
| | Anxa2 | Lsp1 | Cd3g | Arf5c | Rpl18a | Gpx4 | Cd3g |
| | Anxa5 | Ly6c2 | Cd82 | Atp1b3 | Rpl36 | H2-T22 | Cd7 |
| | Anxa6 | Mrlp33 | Cox14 | Atp2b1 | Rpl36a | Ilfng1 | Cst7 |
| | Ap2s1 | Ms4a4b | Ctsb | Bcl2 | Rpl37a | Ikzf2 | Ctla2a |
| | Aprt | Ms4a6b | Cxcr5 | Bin2 | Rpl38 | Il7r | Ctla4 |
| | Arhgdib | Mtpn | Ddit4 | Ccdc28b | Rpl9 | Izumo1r | Ctsb |
| | Arf6ip5 | Myl12a | Dennd2d | Ccr7 | Rpl9-ps6 | Ltb | Ctsw |
| | Arpc5 | Myl6 | Eea1 | Cd9 | Rplp1 | Mbnl1 | Cxcr6 |
| | Atp1a1 | Myo1f | Fam162a | Cdc25b | Rplp2 | Peli1 | Cyba |
| | Atp5c1 | Myo1g | Fyn | Cdc42se1 | Rps14 | Rgs1 | Dnaja1 |
| | Atp5h | Ndufb7 | Gapdh | Cdkn2d | Rps15 | Samsn1 | Efh2d2 |
| | Atp5l | Nkg7 | Gdi2 | Crip1 | Rps15a | Sdf4 | Fasl |
| | AW112010 | Nptn | Gimap5 | Crip2 | Rps16 | Sell | Fyn |
| | Bhlhe40 | Ostf1 | Gna13 | Dock2 | Rps19 | Serinc3 | Gadd45b |
| | Calm1 | Pglyrp1 | Gng2 | Emb | Rps21 | Shisa5 | Gimap7 |
| | Capzb | Plac8 | Hif1a | Ezr | Rps23 | Tnfrsf18 | Gpr65 |
| | Ccl5 | Plek | Hmgb1 | Fam177a | Rps24 | Tnfrsf4 | Gzmk |
| | Ccr2 | Podnl1 | Icos | Fam65b | Rps27 | | H2-K1 |
| | Cd2 | Ppib | Ifi2712a | Glud1 | Rps27rt | | Hspa1a |
| | Cd47 | Ppp1ca | Isg15 | Hint1 | Rps28 | | Hspa8 |
| | Cd48 | Ppp3ca | Izumo1r | Id3 | Rps29 | | Hsph1 |
| | Cd52 | Prelid1 | Limd2 | Il6ra | Rps5 | | Id2 |
| | Cdc42 | Psmb3 | Lpp | Iqgap1 | Rps9 | | Lag3 |
| | Cdc42ep3 | Pycard | Lmp | Itgb1 | | | Lilr4b |
| | Cfl1 | Rap1b | Maf | Itpkb | | | Nkg7 |
| | Clic1 | Rasgrp2 | Marcks1 | Jund | | | Nr4a2 |
| | Ctla | Rbm3 | Matk | Klf2 | | | Pdcd1 |
| | Coro1a | Reep5 | Mif | Klf3 | | | Plac8 |
| | Cox17 | Rnf138 | Mmd | Klf6 | | | Psmb10 |
| | Cox5a | Rnf166 | Nsg2 | mt-Co1 | | | Psmb8 |
| | Cox5b | Rora | Nt5e | Pbxip1 | | | Rgs1 |
| | Crip1 | Rpa2 | P2rx7 | Pdlim1 | | | Rnaset2b |
| | Crot | Runx3 | Pdcd1 | Prr13 | | | Samsn1 |
| | Ctla2a | S100a10 | Pfkl | Pσμα6 | | | Serpina3g |
| | Ctsc | S100a11 | Pfkip | Raf1 | | | Sh2d2a |
| | Ctsd | S100a13 | Pgam1 | Rasa3 | | | Shisa5 |
| | Ctsw | S100a4 | Pkm | Rasgrp2 | | | Slamf7 |
| | Cxcr6 | S100a6 | Ppp1r14b | Rora | | | Sub1 |
| | Cyba | S1pr4 | Prkca | Rpa1 | | | Tabbp1 |
| | Cyth4 | Sec61b | Ptp4a2 | S100a10 | | | Tnfrsf1b |
| | Dnaja15 | Sec61g | Ptpn11 | S100a11 | | | Traf4 |
| | Dok2 | Selplg | Ptpnrcap | S100a4 | | | Ubb |
| | Ech1 | Sept11 | Pthr1 | S100a6 | | | |
| | Emp3 | Serpinb6b | Rab37 | Sfr1 | | | |
| | Eno1 | Serpinb9 | Rgs10 | Slamf6 | | | |
| | Epsti1 | Sh3bgrl3 | Rnaset2a | Spn | | | |
| | Esyt1 | Slamf1 | Rnaset2b | Srp1 | | | |
| | Fam107b | Sms | Rpsa | Stk24 | | | |
| | Gabarapl2 | Spn | Scd2 | Stk38 | | | |
| | Gapdh | St3gal6 | Sept7 | Tagap | | | |
| | Gbp7 | Stmn1 | Sh2d1a | Tagln2 | | | |
| | Ggh | Sub1 | Smco4 | Tcf7 | | | |
| | Gimap7 | Tagln2 | Sostdc1 | Tcp11l2 | | | |
| | Glipr2 | Taldo1 | Tbc1d4 | Tspan13 | | | |
| | Glx | Tbx21 | Tnfaip8 | Tuba1a | | | |
| | Gm4950 | Tceb2 | Tnfsf8 | Vim | | | |
| | Gmfg | Thy1 | Tox | Vsir | | | |
| | Gna15 | Tmed2 | Tox2 | Xm2 | | | |
| | Gramd3 | Tmsb4x | Tpi1 | | | | |
| | Gzmb | Tpm4 | Trim8 | | | | |
| | H2afy | Tpst2 | Zap70 | | | | |
| | H2afz | Tspo | Zfp36l1 | | | | |
| | Hmgb2 | Txn1 | | | | | |
| | Hsp90b1 | Txndc5 | | | | | |
| | Id2 | Ube2g2 | | | | | |
| | Idh3a | Vim | | | | | |
| | Ilfng1 | Zyx | | | | | |
| | Il18r1 | | | | | | |

Table S2: T cell gene signatures