

Supplemental File I: Gene sets for cluster determination

Geneset_name	Genes used for identification of cell types
IMMUNE_Bindea_Cell_aDC_Median_Immunity.2013_Pmid.24138885	Ido1, Oas3, Ccl1, Ebi3, Lamp3
IMMUNE_Bindea_Cell_Bcells_Median_Immunity.2013_Pmid.24138885	Tnfrsf17, Blk, Cd19, Ms4a1, Cd72, Cr2, Coch, Dtnb, Glc, Gng7, H2-Ob, H2-Aa, Mef2c, Abcb4, Pnoc, Scn3a, Slc15a2, Spib, Tc1, Ccr9, Blnk, Bcl11a, Qrs1, Mical3, Bach2, Osbp10
IMMUNE_Bindea_Cell_DC_Median_Immunity.2013_Pmid.24138885	Hsd11b1, Npr1, Ccl2, Ccl17, Ccl22, Ppfibp2, Cd209e Blvrb, Csf1r, Ctms, F13a1, Fabp4, Fzd2, Guca1a, Tacstd2, Mmp12,
IMMUNE_Bindea_Cell_iDC_Median_Immunity.2013_Pmid.24138885	Pparg, Prep, Rap1gap, Pdxk, Ch25h, Abcg2, Hs3st2, Clec10a, Vash1, Slc7a8, Syt17, Nudt9, Card9, Ms4a6d, Slc26a6, Dcstamp, Lman2l Apoe, Bcat1, Scarb2, Cd68, Chil1, Chit1, Col8a2, Cybb, Emp1, Fdx1, Gpc4, Fn1, Gm2a, Me1, Msr1, Ptgs2, Scg5, Sult1c2, Marco, Cd84,
IMMUNE_Bindea_Cell_Macrophages_Median_Immunity.2013_Pmid.24138885	Cd163, Atg7, Clec5a, Rai14, Pcolce2, Ms4a4a, Dnase2b, Colec12, Sgms1, Ctsk
IMMUNE_Bindea_Cell_Mastcells_Median_Immunity.2013_Pmid.24138885	Adcyap1, Nr0b1, Calb2, Cma1, Cpa3, Ctsg, Elane, Ms4a2, Gata2, Hdc, Hpgd, Kit, Vwa5a, Mpo, Prg2, Ptgs1, Slc18a2, Tal1, Tpsb2, Scg2, Abcc4, Hpgds, Slc24a3, Ppm1h, Tpsb2, Mlph, Maob Alpl, Bst1, Csf3r, Fcgr4, Fpr1, Fpr2, Cxcr1, Cxcr2, Kcnj15, Cyp4f13,
IMMUNE_Bindea_Cell_Neutrophils_Median_Immunity.2013_Pmid.24138885	Mme, Pde4b, Slc22a4, Dysf, H2bc8, Mgam, Creb5, Tecpr2, Hpse, Cd93, G0s2, Slc25a37, Cpped1, Crispld2
IMMUNE_Bindea_Cell_NKcells_Median_Immunity.2013_Pmid.24138885	Adarb1, Aldh1b1, Apbb2, Bcl2, Cdc5l, Gnas, Igfbp5, Psmd4, Xcl1, Spn, Tbx2r, Zfp13, Pdlim4, Fgf18, Mcm3ap, Ncr1, Mrc2, Ldb3, Mapre3, Kank2, Fzr1, Trpv6, Ppp4r3a, Prx, Tinagl1, At12, Slc30a5, Tctn2, Sgms1
IMMUNE_Bindea_Cell_pDC_Median_Immunity.2013_Pmid.24138885	Il3ra
IMMUNE_Bindea_Cell_Tcells_Median_Immunity.2013_Pmid.24138885	Cd2, Cd3d, Cd3e, Cd3g, Cd6, Cd28, Lck, Sh2d1a, Prkcq, Skap1, Itm2a, Cd96, Trat1, Bcl11b, Ncald
IMMUNE_Bindea_Cell_T helper cells_Median_Immunity.2013_Pmid.24138885	Cd28, Lrba, Atf2, Nap1l4, Rpa1, Ube2l3, Slc25a12, Itm2a, Sec24c, Batf, Yme1l1, Srsf10, Asf1a, Icos, Phf10, Nup107, Fam111a, Ddx50, Bora, Fryl Vpreb3, Tnfrsf17, Tc1, Spib, Rnase6, Rasgrp3, Ralgs2, Pnoc, P2ry14, P2rx5, Ms4a1, H2-Aa, H2-Ob, Hhex, Gng7, Fcgr2b, Fcer2a, Eaf2, Cxcr5, Cr2, Cd79b, Cd79a, Cd72, Cd40, Cd37, Cd22, Cd19, Cd180, Blk, Bcl7a, Bank1, Bach2, Alox5, Adam28, Abcb4 Tnfrsf17, Tnfrsf13b, Pou2af1, Pax5, Ms4a1, Fcrla, Fcrl5, Fcrl1, Fcer2a, Cxcr5, Cd79b, Cd79a, Cd19, Bank1
B-cell_ASH	
B-cell_PEROU	

Vpreb3, Tnfrsf17, Tnfrsf13b, Tcl1, Tcf4, Syk, Spib, Rnase6, Rasgrp3, Ralgps2, Pou2af1, Pnoc, Pax5, P2ry14, P2rx5, Ms4a1, H2-Ea-ps, H2-Ab1, H2-Aa, H2-Ob, Hhex, Gng7, Gga2, Fcrla, Fcrl5, Fcrl1, Fcgr2b, Fcer2a, Ebf1, Eaf2, Cxcr5, Cr2, Cd79b, Cd79a, Cd74, Cd72, Cd40, Cd37, Cd22, Cd19, Cd180, Blnk, Blk, Bcl7a, Bcl11a, Bank1, Bach2, Alox5, Aff3, Adam28, Abcb4

B-cell_IMMGEN

Vpreb3, Tnfrsf17, Tcl1, Tcf4, Spib, Pou2af1, Pnoc, Pax5, P2rx5, H2-Ea-ps, H2-Ab1, H2-Aa, Fcrla, Fcer2a, Ebf1, Cd79a, Cd72, Cd40, Cd22, Cd19, Blnk, Blk, Bcl11a, Bank1

B-cell_PURVESH

Zap70, Ubash3a, Trat1, Tnfrsf4, Tnfrsf14, St8sia1, Sit1, Sh2d1a, Ptgir, Ptger2, Prf1, Pdc1, Nkg7, Map4k1, Ly9, Lta, Lef1, Lck, Lat, Klrg1, Klrd1, Klrb1a, Itk, Il7r, Il2ra, Il21, Il18rap, Icos, Gzmm, Gzmd, Gzma, Gpr171, Gfi1, Foxp3, Flt3l, Dusp2, Dsc1, Dgka, Cxcr6, Ctsw, Ctla4, Cst7, Crtam, Cd96, Cd8a, Cd7, Cd6, Cd5, Cd40lg, Cd4, Cd3g, Cd3e, Cd3d, Cd300a, Cd28, Cd247, Cd244a, Cd2, Cd160, Ccr7, Ccr5, Ccnd2, Ccl5, Ccl4, Bcl2a1a, Bcl11b, Ankrd55, Acap1

T-cell_ASH

Zap70, Ubash3a, Trat1, Tigit, Themis, Tbx21, Spock2, Slamf1, Sla2, Sit1, Sh2d1a, Samd3, Prf1, Pdc1, Nkg7, Map4k1, Ly9, Lta, Lck, Lat, Itk, Icos, Gzmm, Gzmk, Gzma, Gpr171, Gfi1, Cxcr6, Cxcr3, Ctla4, Cst7, Crtam, Cd96, Cd8a, Cd7, Cd6, Cd5, Cd40lg, Cd3g, Cd3e, Cd3d, Cd27, Cd247, Cd2, Ccr2, Ccl5, Acap1

T-cell_PEROU

Zap70, Ubash3a, Trat1, Tnfrsf4, Tnfrsf25, Tnfrsf14, Tigit, Themis, Tbx21, St8sia1, Spock2, Slamf1, Sla2, Sh2d1a, Samd3, Ptgir, Ptger2, Prf1, Pdc1, Nr3c2, Nosip, Nkg7, Mal, Lrrn3, Lef1, Ldlrap1, Lck, Lat, Klrg1, Klrd1, Klrb1a, Itk, Il7r, Il2ra, Il21, Il18rap, Icos, Gzmk, Gzmd, Gzma, Gpr171, Gfi1, Foxp3, Flt3l, Fbln5, Ephx2, Ephb6, Dusp2, Dsc1, Dgka, Cxcr6, Cxcr3, Ctsw, Ctla4, Cst7, Crtam, Cish, Cdr2, Cd96, Cd8a, Cd7, Cd6, Cd5, Cd40lg, Cd4, Cd3g, Cd3e, Cd3d, Cd300a, Cd28, Cd27, Cd247, Cd244a, Cd2, Cd160, Ccr7, Ccr5, Ccr4, Ccr2, Ccnd2, Ccl5, Ccl4, Bcl2a1a, Bcl11b, Ankrd55

T-cell_IMMGEN

Ubash3a, Tnfrsf25, Themis, Nr3c2, Nosip, Mal, Lrrn3, Lef1, Ldlrap1, Il7r, Icos, Fbln5, Ephx2, Ephb6, Cish, Cdr2, Cd6, Cd5, Cd40lg, Cd3g, Cd3e, Ccr4

T-cell_PURVESH