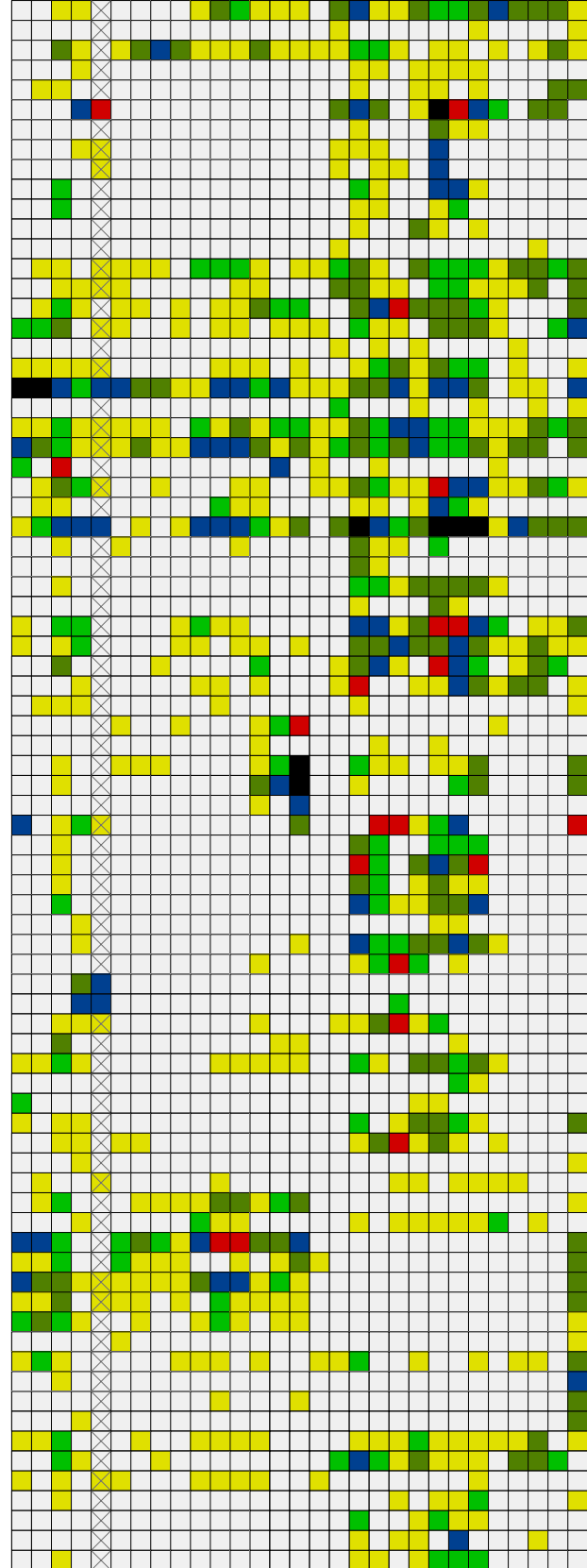


Gene Description, SAGE Tag, Unigene Cluster:

6-phosphogluconolactonase,CACGCCGTGG,29456,KN  
 adaptor protein complex AP-2; ,TATCTCTTCT,6877,SPC  
 adaptor protein complex AP-2; ,CCAAAAA,18946,SPC  
 allograft inflammatory factor ,GAAAAAGAA,10747,SPC  
 AP-1 transcription factor/ Jun,TTTGTGGT,482,SPC  
 ApoE,CATCGCCAGT,138866,SPC  
 ApoE mixed including abundance,CATCGCCGTG,0,KN  
 ApoE partial,CTGGGCCAGA,21417,KN  
 ApoE partial,GAGGAGGTGC,21417,KN  
 Arginase-1,TATCCCAT,154144,KN  
 Arginase-1; partial,AAAACCAT,154144,KN  
 Asialoglycoprotein receptor 2,GCTCTATGGT,1357,KN  
 autoimmune regulator AIRE (aut,TCACGCCCGC,35300,SPC  
 Bag1,GCTGCCAGGG,688,SPC  
 Bax,GACAGACATG,19904,SPC  
 B-cell leukemia/lymphoma 2 rel,AAACTGTCT,87857,KN  
 B-cell translocation gene 1; a,TATATTGATT,16596,SPC  
 Bcl-associated death promoter ,GAGGCGCAGG,4387,SPC  
 benzodiazepine receptor; perip,GTGTTTTAAA,1508,KN  
 Beta2 microglobulin,TTTTCAAAA,163,SPC  
 cadherin 1; E-cadherin; L-CAM,TAATGTGCT,35605,SPC  
 calmodulin 1,ACTCGGAGCC,34246,SPC  
 Calpactin I/ p11,AAGCAGAAGG,1,SPC  
 Carboxypeptidase A3,AACTCCTGCA,1135,DZ  
 Cathepsin B,GTGTGCTGTG,22753,KN  
 cathepsin C,GCAAAAAAAT,684,SPC  
 Cathepsin D,CCTCAGCCTG,2147,KN  
 cathepsin D; partial,GGAATGACA,2147,KN  
 cathepsin D; partial,GACCATGTTG,0,KN  
 cathepsin H,TACTGGGAGC,2277,SPC  
 cathepsin L partial,ATTTGAATC,930,KN  
 Cathepsin S,ATAGCCCAA,3619,KN  
 Cathepsin Z; Ctsz,GGAGGGGGA,115,KN  
 CathepsinL,GGTTAAATG,930,KN  
 CCAAT/enhancer binding protein,GCGGCCGGT,4863,KN  
 CCCTC-binding factor,AGACCTGTAA,493,SPC  
 CCL 1 I-309; TCA-3 (T-cell act,TGATAAGCTA,1283,KN  
 CCL 2 MCP-1; MCAF; murine JE?,CTTCTGGCC,145,KN  
 CCL 3 ScyA 3 (MIP-1 alpha),AACTGACAAA,1282,KN  
 CCL 4 ScyA 4 MIP-1beta,CATTTTCATA,1255,KN  
 CCL 4; ScyA 4 (MIP-1beta) par,GAGATGGTCC,1255,SPC  
 CCL 5; ScyA 5 (RANTES),AAGATCTCTG,3370,KN  
 CCL 6 murine C10 or MRP-1,TAGCCAAAA,137,KN  
 CCL 6 murine C10 or MRP-1,TATAGCCCTG,137,KN  
 CCL 6; C10 ScyA 6 (short form?,TGACTCCGC,137,SPC  
 CCL 6; ScyA 6 C10; long form,TAGCCAAAA,137,KN  
 CCL 8; ScyA8 (MCP-2),GAGATCCTTG,42029,SPC  
 CCL 9; (I10) MIP-1gamma; MRP-2,ACCATCTTGA,2271,KN  
 CCL17 TARC (ABCD-2),GTTTCAACAT,41988,KN  
 CCL19 MIP-3beta; ELC (EBI1-lig,GCCCCCGTG,30205,KN  
 CCL21 Exodus-2; 6Ckine; TCA4; ,GCGCCCTTCC,196097,KN  
 CCL22 ABCD-1; DC/BK; MDC,TCCTGAAGGT,12895,KN  
 CCL24 Eotaxin-2; MPIF-2,CCAGAGTTCT,31505,KN  
 CCR 1,GGCCCAATAA,57051,KN  
 CCR 1like2 chemokine (C-C) rec,CAATAAATAT,7336,SPC  
 CCR 2,AAAACCTGGA,6272,KN  
 CCR 5,CAGTTTCGGA,14302,KN  
 CCR 7 EBI-1; BLR2; CMKBR7,TTCTGCTTTT,2932,KN  
 CCR10 chemokine (C-C) receptor,AAATAAAAAT,42258,SPC  
 CD 1d1,CTAGTGGTGG,1894,SPC  
 CD 2 (LFA-2),AGTTACCAAGT,22842,SPC  
 CD 2 antigen (cytoplasmic tai,CGGCACGGCA,28050,SPC  
 CD 3delta,AGACCGGAA,4527,SPC  
 CD 3epsilon,AATACACCA,1848,SPC  
 CD 3gamma,GAATCTGGG,4513,SPC  
 CD 3zeta,GATGGGGAAC,1224,SPC  
 CD 4,CTGGGGTCT,2209,SPC  
 CD 5 (Ly-1),TGGACAATGA,779,SPC  
 CD 6,CTTGCTTCCA,34133,SPC  
 CD 7,CATCCCAAC,4100,SPC  
 CD 8 antigen; beta chain (Ly3,ATAAAAGTTT,153963,SPC  
 CD 8alpha,CTTGTGCCT,1858,SPC  
 CD 8beta,CCCCACCCA,153963,SPC  
 CD 9,ATCCTGTGCT,2956,SPC  
 CD 11a AlphaL integrin chain,CCACCGTGTA,1618,SPC  
 CD 11c AlphaX integrin chain,TTATCCTCAT,22378,SPC  
 CD 13 Aminopeptidase N,CCAACCTGCG,4487,SPC  
 CD 14 LPS receptor,GAGCGTGTGC,3460,SPC  
 CD 16 (low affinity FcR),TATATTTTTA,22119,SPC

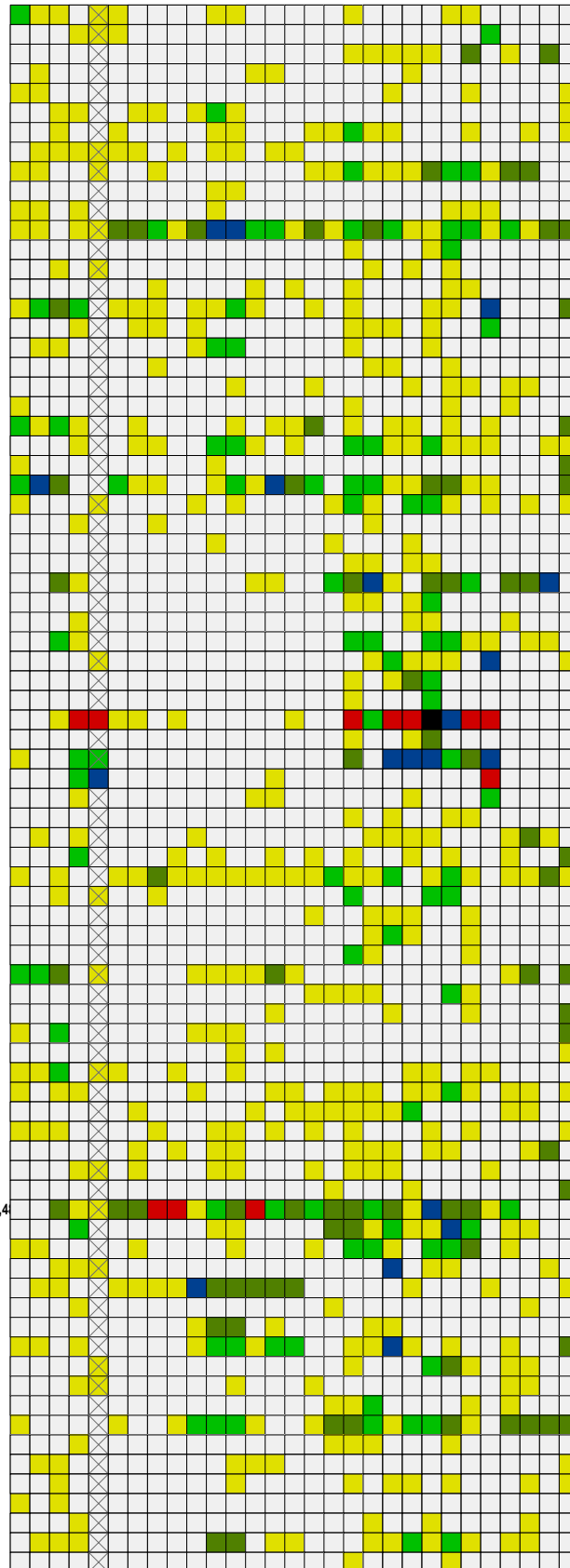
Th1 (clone R2.2)  
 Th2 (clone R2.4)  
 Tr1D1 (clone inc. mast cells)  
 A1xRAG-/- nodes  
 CEA nodes  
 CD4+CD25+ (CD3 stim.)  
 CD4+CD25+ (spleen)  
 CD4+CD25- (spleen)  
 CD4+CD25- (CD3 stim.)  
 Tr1D1 clone (CD4+)  
 Skin Treg line A  
 Skin Treg line B  
 Tr1D1 clone (CD3 stim.)  
 Th2 clone (CD3 stim.)  
 Th1 clone (CD3 stim.)  
 BW5147 thymoma  
 ESF-116 (ES cell line)  
 ESDC  
 ESDC+LPS  
 BMDC+LPS  
 BMDC  
 BMDC+IL10  
 BMDC+IL10+LPS  
 BMDC+Vbeta3  
 B-cells (spleen)  
 3T3 fibroblast  
 R1 (ES cell line)  
 Brain (PGCF)  
 IEL (alpha/beta/CD8+)



Gene Description, SAGE Tag, Unigene Cluster:

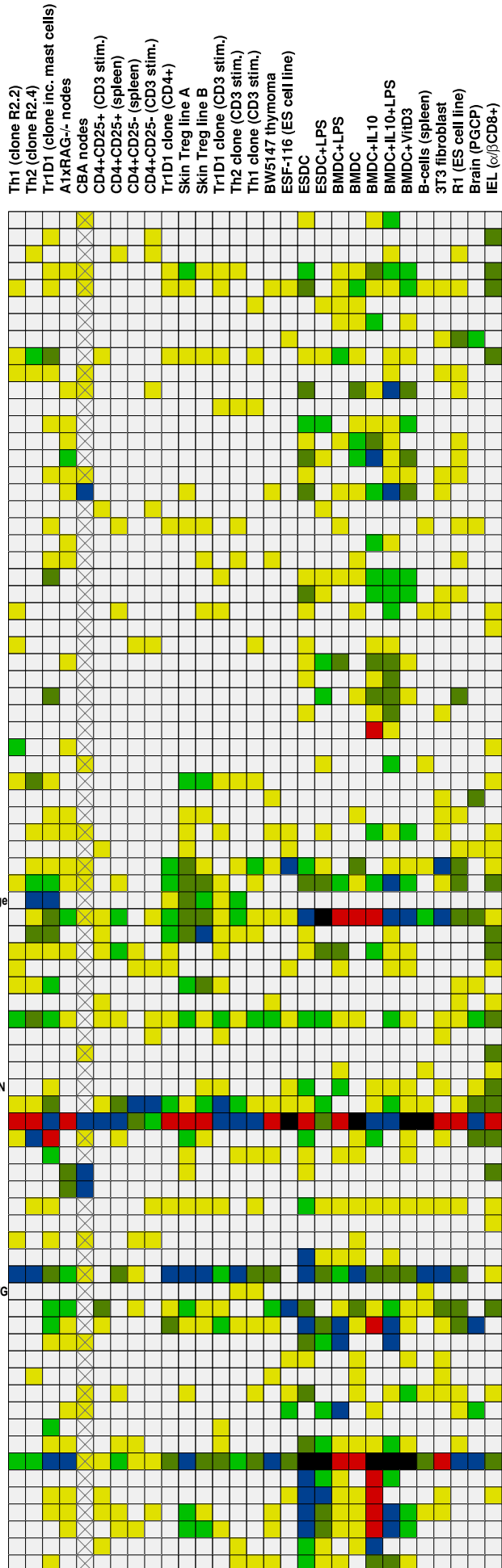
CD 18 integrin beta2 subunit,AGTTATCATA,1137,SPC  
 CD 23 Low affinity IgE recepto,TGGGCAGCTG,1233,SPC  
 CD 24 heat stable antigen,TTATGGAAT,6417,SPC  
 CD 25 IL-2 receptor alpha chai,GCTTTCTTCC,915,SPC  
 CD 26 DPP IV ectoenzyme,AAGGAATACT,1151,SPC  
 CD 27,CCAGGGTGG,121,SPC  
 Cd 27 binding protein (Hindu G,AGATCTGTGG,28216,SPC  
 CD 28,ATTTCAAGAAC,1060,SPC  
 CD 29 beta1 integrin,CTTGTCTGT,4712,SPC  
 CD 30 Ber-H2 antigen,CTGACCCCTGA,mc17631,SPC  
 CD 31 PECAM,CCGAAGGCC,2822,SPC  
 CD 32 Fc gamma RII,TGTAAACAGGA,10809,SPC  
 CD 33 gp67,TATGAAGGCT,140157,SPC  
 CD 36 antigen,GTAGAGATGG,18628,SPC  
 CD 36 GPIIb,CTGCATAGCT,18628,SPC  
 CD 37,ACACCTCAA,3689,SPC  
 CD 38 ADP-ribosyl cyclase/cycl,CCTGCCTGGA,996,SPC  
 CD 39 Entpd1 ectonucleoside tr,CAGTGCCTTT,2824,SPC  
 CD 40 (Bp50),TGCACATATC,4966,SPC  
 CD 41 integrin alpha2b,GGTTCCTCC,26646,SPC  
 CD 44 (H-CAM),AAGATTGGGG,24138,SPC  
 CD 45 (LCA/Protein tyrosine ph,AAAAGTGT,143846,SPC  
 CD 47 integrin associated prot,TCACATAAAT,167842,SPC  
 CD 48 MRC-OX45,TTTTCATATC,1738,SPC  
 CD 53,TCTATGTTTT,2692,SPC  
 CD 54 ICAM-1,GTCCCAGGCG,28973,SPC  
 CD 56 NKH1,CCCAGGGTCT,4974,SPC  
 CD 57 HNK-1 sulphotransferase,ATCCCCAGGG,26817,SPC  
 CD 59 Homologous restriction f,TGATGGTACT,8457,SPC  
 CD 63 lysosomal-membrane-assoc,GAGTGGATTC,4426,SPC  
 CD 64 FC gammaRI,CAACTCTTAA,150,SPC  
 CD 66c NCA,CCAGAGGCG,14114,SPC  
 CD 68 macrofialin,AATGGTACCT,15819,SPC  
 CD 72: LyB2,CCCAGCTAAG,88200,SPC  
 CD 74 la partial,GATGGCGTGA,0,KN  
 CD 74 la; base insertion,GTTCAAAGTG,0,KN  
 CD 74 li / invariant chain,GTTCAGTGA,7043,SPC  
 CD 74; la mutation,TTCAAGTAC,0,KN  
 CD 74; la partial,GAAGACCTAT,7043,KN  
 CD 79a Ig alpha,GCCACTTAA,1355,SPC  
 CD 79b Ig beta,GTTCACACTG,2987,SPC  
 CD 80 (B7-1),GCCTGGATAG,89474,SPC  
 CD 81 TAPA-1,CCCACCCACT,806,SPC  
 CD 82 Kangai 1,TTCTGTGGG,4261,SPC  
 CD 83 HB15 (+others),TGAAAAAAA,57175,SPC  
 CD 84,TGTAACATTA,21882,SPC  
 CD 86 (B7-2),CAGATATCAC,1452,SPC  
 CD 86 antigen,TTCTGTACAG,1452,SPC  
 CD 87 Urokinase Plasminogen Ac,AACCAGAAGA,1359,SPC  
 CD 90 Thy-1,TATAATACCA,3951,SPC  
 CD 91 alpha-2-macroglobulin re,GGTTCACACA,4560,SPC  
 CD 95L FasL,CATACCTCCA,3355,SPC  
 CD 96 T cell activation increa,AGATGGAGGT,29204,SPC  
 CD 97,CATTCACAAT,182255,SPC  
 CD 97,AAGGACAGCA,182255,SPC  
 CD 98 FRP-1 heavy chain,CACTGTCTTC,4114,SPC  
 CD 98 FRP-1 light chain,TCACCTGCCCT,27943,SPC  
 CD100 Semaphorin,ATCTACCATT,33903,SPC  
 CD101 HTS-1,CTAATAAACG,29122,SPC  
 CD102 ICAM-2,GCACCTCAA,394,SPC  
 CD103 integrin alpha-E,CGTTTTGATG,96,SPC  
 EXCLUDE:CD105 Endoglin (WARNING: polyA,AAAAAAAAA,4  
 CD107a LAMP-1,TTGATCCCA,16716,SPC  
 CD107b LAMP-2,ACCATTATAA,486,SPC  
 CD108 Semaphorin7A,TCCTAACTTA,638,KN  
 CD134 (OX40),CTAGCAGCTG,13885,SPC  
 CD135 (Flk3),TATCTGAAAT,194,SPC  
 CD137 (4-1BB) alt splice 1,GGAAACAAC,3720,SPC  
 CD137 (4-1BB) alt splice 2,ACTCTGGAC,3720,SPC  
 CD138 Syndecan-1,GACTCAGGGC,2580,SPC  
 CD140b beta platelet-derived g,CAGGACAAGA,4146,SPC  
 CD142 coagulation Factor III,TTAAATGACAG,3742,SPC  
 CD147 Basigin,CTCTGACTTA,726,SPC  
 CD151 PETA-3,GCTGTTTTCA,30246,SPC  
 CD152 (CTLA-4),TATAATATTT,390,SPC  
 CD153 CD30 ligand,GGCCAAAGAA,4664,SPC  
 CD154 (CD40 ligand),GAGAACTATT,4861,SPC  
 CD155 polio virus receptor,GTGCACACTC,4341,SPC  
 CD156 (ADAM8),AACCAAGTGGC,15969,SPC  
 CD157,TGTTAGAGAT,24612,SPC

Th1 (clone R2.2)  
 Th2 (clone R2.4)  
 Tr1D1 (clone inc. mast cells)  
 A1xRAG/- nodes  
 CBA nodes  
 CD4+CD25+ (CD3 stim.)  
 CD4+CD25+ (spleen)  
 CD4+CD25- (spleen)  
 CD4+CD25- (CD3 stim.)  
 Tr1D1 clone (CD4+)  
 Skin Treg line A  
 Skin Treg line B  
 Tr1D1 clone (CD3 stim.)  
 Th1 clone (CD3 stim.)  
 Th1 clone (CD3 stim.)  
 BW5147 thymoma  
 ESF-116 (ES cell line)  
 ESDC  
 ESDC+LPS  
 BMDc+LPS  
 BMDc  
 BMDc+IL10  
 BMDc+IL10+LPS  
 BMDc+Vld3  
 B-cells (spleen)  
 3T3 fibroblast  
 R1 (ES cell line)  
 Brain (PGCP)  
 IEL (α/βCD8+)

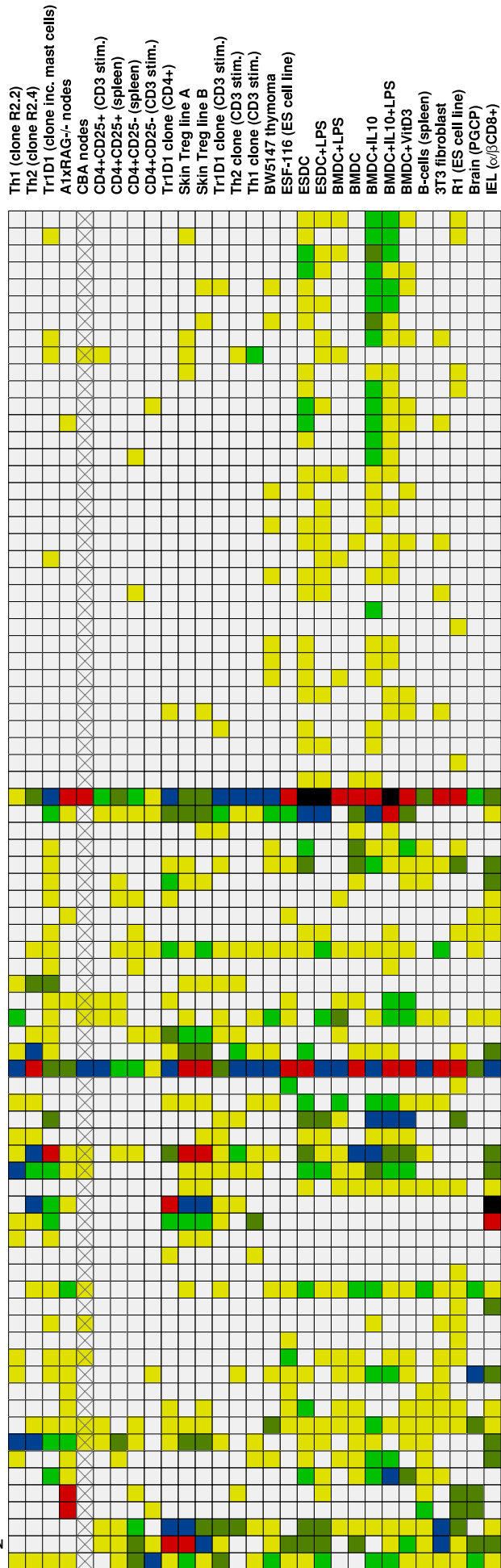


**Gene Description, SAGE Tag, UniGene Cluster:**

CD157,ATTCAAGAAA,24612,SPC  
 CD160 (By55),GTGGAGGGAG,11526,SPC  
 CD161 NKR-P1B:D,AAAATAAAAG,14489,SPC  
 CD162 PSGL-1,TCTGCTCTC,22173,SPC  
 CD164 MUC-24,TGACTCCTTG,28083,SPC  
 CD166 DM-GRASP,GTTCAGAT,2877,SPC  
 CD209 (DC-SIGN) dendritic cell,GTGAGCCTCA,32510,SPC  
 cellular retinoic acid binding,ATTGTACCAG,34797,SPC  
 CIS,GCTTCATAGA,4592,SPC  
 colony stimulating factor 1 (m,CTAGAAAATA,795,SPC  
 colony stimulating factor 1 re,AGGGGTCTGG,22574,SPC  
 colony stimulating factor 2 (G,ACAGCCAGCT,4922,SPC  
 colony stimulating factor 2 re,ATCAAAGTTC,156264,SPC  
 complement component 1; q subc,GATGCGTAAT,2570,KN  
 complement component 1; q subc,GTGGGCATAG,3453,KN  
 complement component 1; r subc,CCAGAGATGG,24276,KN  
 complement component 3,TGGGGCCTCT,19131,KN  
 complement component factor i,GCAGGTGGCA,117180,KN  
 Complement Factor D or MAPKK2,CATTTGAAA,4407,KN  
 complement factor H,TAACAACCAA,194940,KN  
 CpG binding protein,ACCAACAGAG,17537,SPC  
 CSF2IL-3 receptor; beta 2; lo,TTAAGATATG,1940,SPC  
 C-type lectin???Mm,30109,AAAGCTGCAA,30109,KN  
 CXCL1; ScyB 1? PDGF inducible ,TGTGGAGGC,21013,KN  
 CXCL10; ScyB10 (Ip10),CCCAGGCTGC,877,SPC  
 CXCL14; ScyB14; (BRAK),GAAAGAAAA,30211,SPC  
 CXCL16,CTGTCTTGAG,46424,KN  
 CXCL2; ScyB 2 (MIP-2),TATTTTTACA,4979,KN  
 CXCL4 ScyB4 Pf4; platelet fact,AGCGTCGCTG,23905,KN  
 CXCL5 ScyB5 GCP-2; ENA-78; LIX,TTTGAATATG,4660,KN  
 CXCL7 Proplatelet-basic protei,TTTTTCCAAT,157750,KN  
 CXCR3 GPR9,CCCTATCTTG,12876,KN  
 CXCR4 fusin,TGAATGAGCG,1401,KN  
 CXCR6,TAATGCTAGA,124289,KN  
 cyclin A2,CAAATTAACC,4189,SPC  
 cyclin D1,GTCCAGGAAA,22288,KN  
 cyclin G,TAATGGATAA,2103,SPC  
 cyclin H,TCTGACATT,18474,SPC  
 cyclin-dependent kinase 4; Cdk,TGGAGCGTTG,6839,KN  
 Cyclophilin C: peptidylprolyl ,AGTCCTGTG,3152,SPC  
 Cyp11A cytochrome P450, 11a, cholesterol side chain cleavage  
 cystatin C,CCTTGCTCAA,4263,KN  
 Cystatin F (Leukocystatin),AGCAGATTCT,12965,DZ  
 Cytohesin binding protein,CTCTATGTTA,7156,KN  
 cytokine receptor-like factor ,TTAGAGGTT,33962,SPC  
 cytotoxic T lymphocyte-associa,CAATAAAACT,30144,SPC  
 cytotoxic T lymphocyte-associa,ATGTCTCAA,22715,SPC  
 defender against cell death 1,GCTTCTCAG,2547,SPC  
 Delta-like,GCACACAGCA,157069,SPC  
 deltex 1 (Notch signalling),TCCTGTGAA,1645,SPC  
 dexamethasone-induced transcri,CTTCCTGGC,41091,SPC  
 DUAL SPECIFICITY PROTEIN PHOSP,TGAATGTGAA,52043,KN  
 EXCLUDE:Duffy blood group,CAAAAAAAA,6393,KN  
 EF-1alpha,AGGCAGACAG,16317,KN  
 Egr-1,GGATATGTGG,181959,SPC  
 Egr-2,TGTACAGGAT,1353,SPC  
 elastase 1; pancreatic (p6-5 A,GGCTGTAATG,2131,SPC  
 elastase 2,GCATCGTGAG,21925,SPC  
 elongation of very long chain ,AGCTTCGGGC,29492,SPC  
 endothelial differentiation sp,AGTGAAATG,982,SPC  
 endothelial differentiation; I,TTCTCTCTCT,155520,SPC  
 eosinophil associated ribonucl,TCCTCGTGAA,20370,KN  
 epithelial membrane protein 3,CGGCGGGAG,20829,KN  
 ESTs, similar to I58401 protein-tyrosine kinase JAK3,GATATGT  
 eukaryotic translation initiat,GCCTTGGTGA,196607,KN  
 Fabp5,TCAAACCTGG,741,KN  
 FactorB,CAAAGGAGAT,653,KN  
 Fas (TNFRSF6)-associated via d,GTGGTCTGTA,5126,SPC  
 Fas apoptotic inhibitory molec,GAGAACAGGT,74605,SPC  
 Fas-activated serine/threonine,GTCGCTGAG,28123,SPC  
 Fascin 1,ATAGTAAGCT,13194,KN  
 Fc receptor; IgE; high affinit,CAATAAATAG,5266,SPC  
 Fc receptor; IgE; high affinit,AAAAACCACC,22673,SPC  
 Ferritin H chain,TCAGGCTGCC,1776,KN  
 ferritin H partial,GCAGAATATC,1776,KN  
 ferritin H partial,CCGAGAAACT,1776,KN  
 Ferritin H seq error + brevica,TCAGCTGCCT,4598,KN  
 Ferritin H chain seq artifacts,TCAGGCTGCT,0,KN  
 ferritin H partial,ACCACCGCGT,1776,KN  
 ferritin H; point insertion an,TCAGGCTGCA,1776,KN

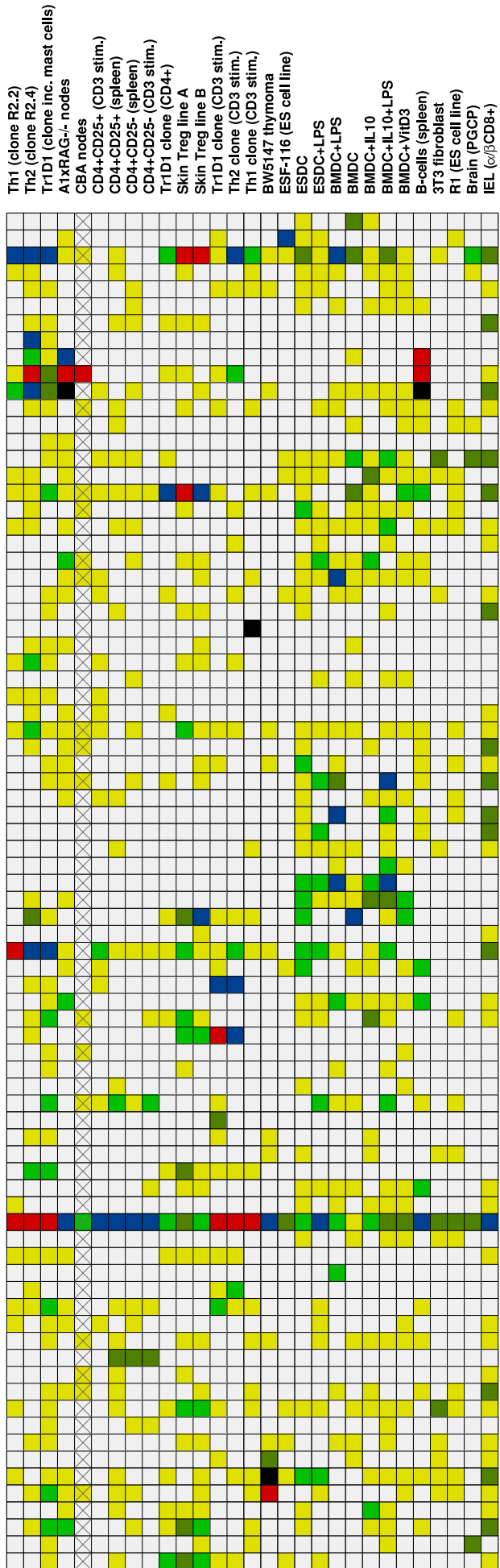


**Gene Description, SAGE Tag, Unigene Cluster:**  
 ferritin H; point insertion,TCAGGCTTGC,1776,KN  
 ferritin H point mut or insert,TCAGGCTGGC,0,KN  
 ferritin heavy chain partial?,TCAGACTGCC,1776,SPC  
 Ferritin H; point mutation,TCAGCCTGCC,0,KN  
 ferritin heavy chain seq error,TCAGGCTGAC,,SPC  
 ferritin heavy chain seq error,TCAGGCTGTC,,SPC  
 Ferritin H mutation?,TCAGTGCC,0,KN  
 ferritin H; point mutation,TCGGGCTGCC,1776,KN  
 ferritin heavy chainpartial?,CAAATCAGGC,1776,SPC  
 ferritin heavy chainpartial?,TCCAGGCTGC,1776,SPC  
 ferritin heavy chainpartial?,TCAAGGCTGC,1776,SPC  
 Ferritin Heavy seq error or ES,TCAGGCTGGA,6156,SPC  
 ferritin heavy chain seq error,CCAGGCTGCC,,SPC  
 Ferritin H; pt mutation,TCAGTCTGCC,0,KN  
 ferritin heavy chain seq error,TTAGGCTGCC,1776,SPC  
 ferritin heavy chainpartial?,TCAAGCTGCC,1776,SPC  
 ferritin heavy chain seq error,TCAGGCTGGT,,SPC  
 ferritin heavy chain seq error,TCAGGCTGAG,,SPC  
 ferritin heavy chain seq error,TCAGGCTGGG,,SPC  
 ferritin heavy chainpartial?,TATGTCAGGC,1776,SPC  
 ferritin H seq error + kinecti,AAGGCTGCCT,3110,SPC  
 ferritin heavy chain seq error,TCAGGCTGTT,,SPC  
 ferritin heavy chainpartial?,CACGTCAGGC,1776,SPC  
 ferritin heavy chainpartial?,CAGAATATCT,1776,SPC  
 ferritin heavy chain 3 partial,GGGGTCCAG,179144,SPC  
 ferritin heavy chain partial?,TCAGGCTCCC,1776,SPC  
 ferritin heavy chain partial?,GACTTCTATT,1776,SPC  
 Ferritin heavy chain seq error,CAGGCTGCCT,30266,SPC  
 ferritin heavy chain seq error,TCAGGCTGAT,,SPC  
 ferritin heavy chain seq error,ACAGGCTGCC,,SPC  
 ferritin heavy chainpartial?,TCAGGTTGCC,1776,SPC  
 ferritin heavy chain partial?,CCCCAGAAC,1776,SPC  
 ferritin heavy chain partial?,CAATGTAGGC,1776,SPC  
 ferritin heavy chainpartial?,TCAGGCTACC,1776,SPC  
 ferritin light chain 1,CCCTGGGTTCC,7500,SPC  
 ferritin light chain 1 partial,CCTGGGTTCT,7500,SPC  
 ferritin light chain 1partial?,ACTAGGAGGC,7500,SPC  
 FLAP; arachidonate 5-lipoxygen,TCCTTCGCCG,19844,KN  
 Flotillin 1,GCCCCGACA,2931,KN  
 Flt3-ligand,CTGAAACTGG,1658,SPC  
 Fyn (alt splice),GGGGTGACA,4848,SPC  
 Fyn (alt splice),TTTTAACAAA,4848,SPC  
 G protein-coupled receptor; fa,CTGAGTTTGA,103439,SPC  
 ganglioside-induced differenti,ACTTCCCTCA,12962,SPC  
 GATA binding protein 1 (GF-1),CGCTGGTATT,1344,SPC  
 GATA3 binding protein,AAGAGGCCA,606,SPC  
 GENE UPSTREAM OF NRAS,TGAAAGAAGT,11204,KN  
 GENE UPSTREAM OF NRAS,CAAATGAAGT,11204,KN  
 GTR (TNFRs1f9);,CTCTGCACCC,3180,DZ  
 Glutaredoxin,GATCTGTAGA,29728,DZ  
 glyceraldehyde-3-phosphate deh,GCCTCCAAGG,5289,SPC  
 glycine decarboxylase P-protei,GTGAGTGGCG,27953,KN  
 Glycogenin 1; Gyg1,CAGACTTGT,6375,KN  
 glycoprotein (transmembrane) n,CCTGAGCTCC,23567,SPC  
 glycoprotein 49 B (mast cells),AATAAATGTA,34408,SPC  
 GM2 activator,ACAACTTCT,4140,DZ  
 gp49a/b,TGTTATCAGA,196617,DZ  
 granule cell differentiation p,TACATCCGAA,4143,SPC  
 Granzyme A,ATTTGTGCAG,15510,DZ  
 granzyme B,CTCTGCTTCC,14874,SPC  
 granzyme C,TGAAGCCAGG,14465,SPC  
 granzyme D,TGGAGTGGGC,14095,SPC  
 granzyme E (CCP3),AAGCTGCTCT,14424,SPC  
 Grb2,AAGCCTTGCT,6900,KN  
 growth arrest specific 5,CAGTGACTGC,35844,SPC  
 growth arrest specific 6,CTTCTTCTG,3982,SPC  
 growth differentiation factor ,GTAGTCGATG,4213,SPC  
 H2-K region expressed gene 4,AAGAAGACTG,18556,SPC  
 H3 histone; family 3A mRNA,TTTTAATGT,89136,SPC  
 hairy and enhancer of split 1;,CACTGCATTT,4451,SPC  
 hairy and enhancer of split 6;,CCGCTGCGTG,29549,SPC  
 hematological and neurological,GAGAAAGTCT,1775,SPC  
 hematopoietic cell signal tran,CCTGGCAGAG,24026,SPC  
 hematopoietic cell specific Ly,AAATCATCTT,4091,SPC  
 heme oxygenase (decycling) 1,GCCACTTTGA,17980,SPC  
 Hemoglobin alpha/beta,CCCTTCTTCT,196110,DZ  
 hemoglobin; beta adult major c,TGATCCTGA,30266,SPC  
 Histone gene 2A.1(genomic arti,TCCGGGCGAG,154564,DZ  
 Histone H2A.1; GENOMIC ARTIFAC,TCTGGACGCG,154564,KN  
 homeodomain interacting protei,GCAAAAAA,20333,SPC



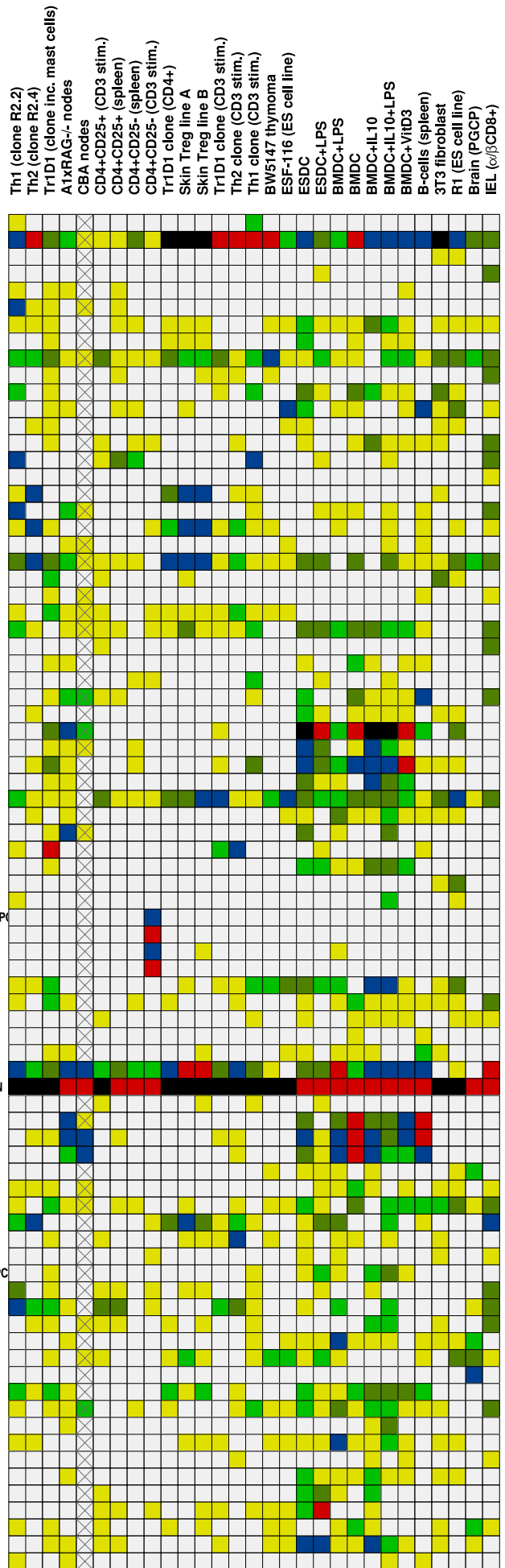
**Gene Description, SAGE Tag, Unigene Cluster:**

Homology with hepatic lectins;GACATATGCT,7574,KN  
 hsp25,GCTACATCTC,13849,KN  
 Id2,GGGAGCGAAA,1466,KN  
 IK cytokine; down-regulator of,TTCCATTAAA,30234,SPC  
 I kBkB (inhibitor of kappaB kin,TGTGTGTGTA,28269,SPC  
 I kBkE (inhibitor of kappaB kin,GAATAAATC,37672,SPC  
 immunity-associated protein; 3,AGAGCTGCAC,197478,SPC  
 immunoglobulin heavy chain 4 (.AGGGCCTGCA,196085,SPC  
 Immunoglobulin J chain,TCTGCTCAAG,1192,DZ  
 Immunoglobulin kappa light,CTAATATTG,104747,DZ  
 Immunoglobulin Mu heavy,TCAGAGTGAG,218842,DZ  
 inhibitor of growth family; me,ATACACGAAA,25709,SPC  
 inhibitor of kappa light polyp,TAGGCAGTTA,46573,SPC  
 integrin alpha 2b,GGGTCTTCC,26646,SPC  
 integrin beta 4 binding protei,CTGGCTTTCA,22731,SPC  
 integrin beta 5,AACCTCTGAA,6424,SPC  
 Integrin beta 7,CAGCCAGCGG,58,SPC  
 interferon (alpha and beta) re,GAGAGCTACG,6834,SPC  
 interferon activated gene 204,CAGGTCATCA,212870,SPC  
 interferon alpha responsive ge,TTCTTGATAGC,21761,SPC  
 Interferon consensus binding p,TCACCTTCCA,3182,KN  
 Interferon consensus sequence ,TTTCCGGATA,3182,KN  
 interferon dependent positive ,GTTGCTCACA,2032,SPC  
 interferon dependent positive ,GACCCTAAAC,2032,SPC  
 interferon gamma,AGTATTGCCA,529,SPC  
 interferon gamma induced GTPas,TAGTGTGAT,33902,SPC  
 interferon gamma induced GTPas,TTTAAATAAA,858,SPC  
 interferon gamma inducible gen,GTGGGGGGGG,23216,SPC  
 interferon gamma inducible pro,AATTGTTTTT,24769,SPC  
 interferon inducible GTPase,ATGAAATTC,29008,SPC  
 interferon inducible protein 1,AGTTCAAATC,29938,SPC  
 interferon regulatory factor 2,TAGCAATCAA,1149,SPC  
 interferon regulatory factor 3,GACTTCCAGG,3960,SPC  
 Interferon regulatory factor 7,GACCTGGGTC,3233,KN  
 interferon related development,GCATAGGGTA,181740,SPC  
 Interferon stimulated protein ,GAGGACAAGG,4950,KN  
 interferon-induced protein wit,TAGGGAATGG,951,SPC  
 interferon-related development,AAGATTTCTC,168,SPC  
 interleukin 1 alpha,TAACATCAA,15534,SPC  
 Interleukin 1 beta,GCAATCTCG,22150,LG  
 interleukin 1 receptor antago,CTATGTATTG,882,SPC  
 Interleukin 1 receptor II: IL,GACGATGCAG,1349,LG  
 Interleukin 2 receptor; beta ,AGTTATTTTA,931,LG  
 Interleukin 2 receptor; gamma,GTCCCTTCTC,2923,LG  
 Interleukin 3 receptor; alpha,GCCTCCTTGG,4944,LG  
 Interleukin 4,CTTTAACTTA,371,LG  
 Interleukin 4 induced gene 1,GGGGATCTGG,2565,LG  
 Interleukin 4 receptor; alpha,GAGCTTTATG,1009,LG  
 Interleukin 5,CCAACAGAAA,4461,LG  
 Interleukin 5 receptor; alpha,TGTTTTGCAA,3448,LG  
 interleukin 6,AAGAACAAC,1019,SPC  
 Interleukin 6 receptor; alpha,CAAAAAGAAA,2856,SPC  
 Interleukin 6 receptor; alpha,CACACACATA,0,LG  
 Interleukin 9,AAGACAGATG,3006,LG  
 Interleukin 1 beta convertase ,AAGAATATG,1051,LG  
 interleukin 1 receptor-like 1 ,AGCCTCAAGG,196618,SPC  
 Interleukin 10,GGTCTTGGGA,874,LG  
 Interleukin 10 receptor; alpha,ACCCTAATCT,26658,LG  
 Interleukin 10 receptor; beta,AACATTTTGG,4154,LG  
 Interleukin 11 (Warning: repea,CCTTTAATCC,0,LG  
 Interleukin 11 receptor; alpha,TGTGTACAGA,15617,LG  
 Interleukin 12 receptor; beta ,GTCAGTCACA,731,LG  
 Interleukin 12p40,AAGAAGCTGT,997,KN  
 Interleukin 13,AAATAACTTA,1284,LG  
 Interleukin 15 receptor; alpha,ACAAAACCAA,200196,LG  
 Interleukin 16,AAGAACACAT,10137,LG  
 Interleukin 17 receptor,AAATGCTGTG,4481,LG  
 Interleukin 17/polymeric Ig re,ATTTTCAGAT,5419,LG  
 Interleukin 17B,GAGACCATCG,69513,LG  
 interleukin 21 receptor (LR-be,AGCCTGTGGC,155643,SPC  
 interleukin 25 (stromal cell d,TGCGGGGGTG,29925,SPC  
 Interleukin 6,GGTCTCTCTC,0,LG  
 interleukin enhancer binding f,GGGCTTTAGA,21534,SPC  
 Intracisternal A insertion in ,TGCTCTGCCT,2856,SPC  
 intracisternal A particles mRN,TGCCAAGGGT,212712,SPC  
 intracisternal A particles par,TATCAAGTG,212712,SPC  
 Janus kinase 3,CAGCTGTGCT,4181,SPC  
 Janus kinase 3,ACCTGTGCC,4181,SPC  
 Jun oncogene,GAAGTTTTTA,482,SPC  
 kallikrein 8 (neuropsin),GACAACAGGG,5193,SPC



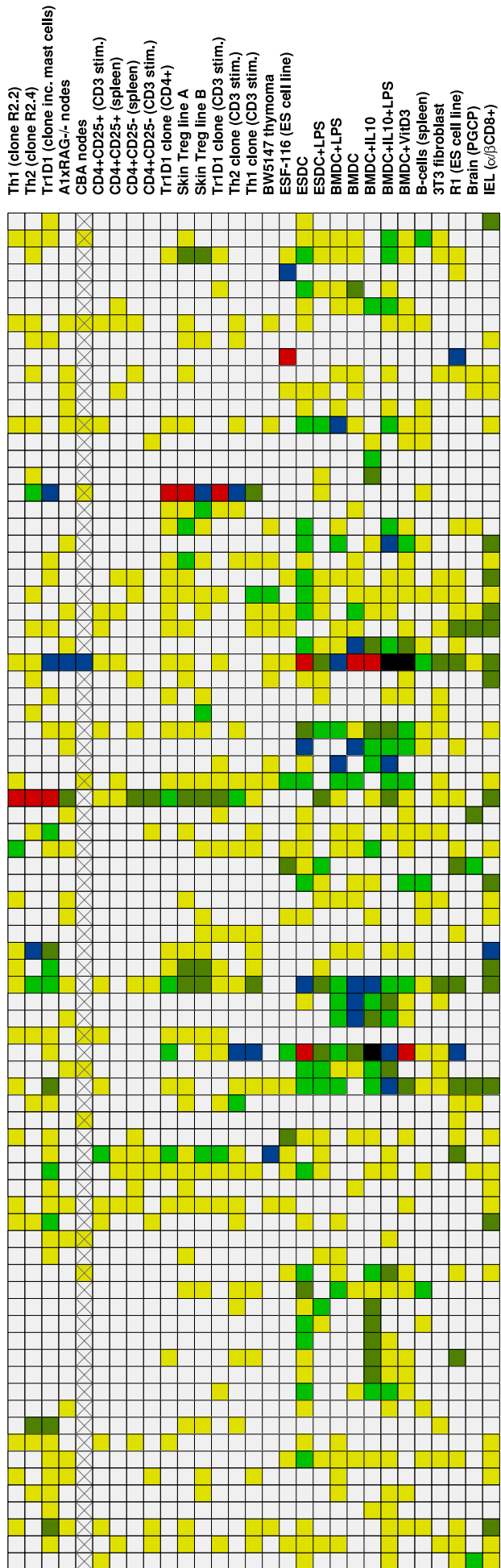
**Gene Description, SAGE Tag, Unigene Cluster:**

killer cell lectin-like recept,TCTATAATTT,56899,SPC  
 L14 lectin,GCGGGGATG,43831,DZ  
 latent transforming growth fac,GGGGAATAAA,3900,SPC  
 Lck,TCTCTGTGTG,142,SPC  
 lectin; mannose-binding; 1,TATGTATGTG,203896,SPC  
 LEF-1,GTGGTAAGAG,200634,DZ  
 leptin receptor,ACACTTGCTA,4756,SPC  
 leukotriene B4 receptor 1,TTGGGGACTG,20853,SPC  
 LIF receptor; soluble factor-D,GTGACTCACA,3174,KN  
 linker for activation of T cel,TGACATAAAA,10280,SPC  
 Lipocortin I / Annexin A1,GGCTTAAGTA,14860,KN  
 L.KLF,CGCGACTGTG,26938,SPC  
 long chain fatty acyl elongase,ACCGGGCTGG,26171,SPC  
 LPS-induced TNF-alpha factor,ACTTTGATAT,21119,SPC  
 Ly116/Chandra,GCAGTGGTTC,33957,DZ  
 Ly49A;G;O;P,ACAGAGCAGA,24399,SPC  
 Ly6A,TATGCCGTGC,1583,DZ  
 Ly6C.2,TGTGCCGTGC,1583,DZ  
 Ly6E,TATCCTGAAT,8180,DZ  
 lymphocyte antigen 57 (B cell ,TCCTCTGTTT,9749,SPC  
 lymphocyte antigen 6 complex; ,GAGGACTGCC,788,SPC  
 lymphocyte antigen 84 ST2 PROT,CTGTGTCTCT,35692,LG  
 lymphocyte antigen 9 (Ly9),AGCCCATTC,560,SPC  
 lymphocyte protein tyrosine ki,TGTCTTATAC,142,SPC  
 lymphocyte specific 1 (calcium,CTGAATGCTC,2183,SPC  
 lymphocyte-activation gene 3,GGATTCAGCC,4528,SPC  
 lymphoid-restricted membrane (.ATGGACCACC,843,SPC  
 lymphotoxin A,GGAGAGGTGG,87787,SPC  
 lymphotoxin B mRNA,GTGGACTACA,1715,SPC  
 lymphotoxin B receptor,TGTGGAGGAG,3122,SPC  
 Lysozyme C,TGTCACTCTG,654,KN  
 lysozyme C; partial,GCGAGCACAC,654,KN  
 Mac-2; galectin-3,CTGAGAGAGA,2970,KN  
 macrophage expressed gene 1,TAACCTACT,3999,SPC  
 Macrophage migration inhibitor,AACGCTGCCA,2326,KN  
 Major vault protein,GCTGTGGAGA,24972,KN  
 MARCO,GAAATCTGTG,1856,KN  
 Mast cell protease 5,CGATCTGGCC,1252,DZ  
 matrix metalloproteinase 12 (m,TTTTGTTTT,2055,SPC  
 matrix metalloproteinase 2,GGAAATGCA,29564,SPC  
 matrix metalloproteinase 9 (ge,TGTGCTAGAG,4406,SPC  
 mct2519 (DBC2 tumour suppresso,AAGGCTATGT,102367?,SPC  
 mct4200 (lg super),GTGGCAGGAG,0,YZ  
 mCT5392 and ESTs,CCCAGCATCC,100960,SPC  
 mCT6469 (G prot supp?),CTTCTACCAA,0,ALM  
 Metallothionein 2,TAACAGCAA,142740,KN  
 methyl-CpG binding domain prot,GACAGTGGAG,322,SPC  
 methyl-CpG binding domain prot,TGGAGGAGCT,7142,SPC  
 MHC H2-Dmb2,CCCCAATAT,195060,SPC  
 MHC HLA-DO??,ATCACAGGCA,615,KN  
 MHC-I (H2K/D/L),GATTGAGAAT,16771,SPC  
 MHC-IH2D??common repeat seque,GTGGCTCACA,87812,KN  
 MHC-IH2L,TCCGCCCGCG,196214,SPC  
 MHC-II Ealpha/Abeta1,GCACTATTGT,6716,DZ  
 MHC-IIAalpha/beta,GAAGAAGTGG,175310,SPC  
 MHC-II Ebeta,TCCTGCTGG,22564,SPC  
 Mip2gamma; scyB14 (Cys-X-Cys),TTCTTTCTAA,30211,SPC  
 mitogen activated protein kina,GTGGAGCT,18494,SPC  
 Mm.24272,TTGAGGGGGG,24272,KN  
 Mm.6381,TGCTTGTGTTT,6381,KN  
 monocyte macrophage 19,AAGAAGATGG,24772,SPC  
 monocyte to macrophage differe,ATTCTGAACA,38791,SPC  
 MS4A11; membrane-spanning 4-do,AAAACAAGTC,178726,SPC  
 MS4A6B (TM4),TTGTTGGTTC,29487,SPC  
 murine VL30 elements,TTGCTACTTT,22482,KN  
 myeloid differentiation primar,GGCAGCCTT,4048,SPC  
 Myristoylated alanine rich pro,AAGTTGCAA,30059,KN  
 nerve growth factor receptor (.GAAAGCAATG,90787,SPC  
 neurogenic differentiation 1 m,CAGTTGCAAT,4636,SPC  
 neutrophil cytosolic factor 4 ,TCACACAGAA,2068,SPC  
 NfKb1b (Nuclear factor of kapp,GAAGTCATTG,8884,KN  
 nitric oxide synthase 2; induc,CCGCCGCTCT,2893,SPC  
 N-myc downstream regulated; Nd,AGAGACAAGG,4063,KN  
 non MHC restricted killing ass,TAACACTGTG,2299,SPC  
 Not ferritin H,TGGGAAGTGT,1776,KN  
 Not ferritin H,AGATTGTTGG,1776,KN  
 not ferritin H (reverse),GTGGCGCGG,1776,KN  
 not ferritin H chain,TGACCGGCTG,1776,KN  
 not ferritin heavy chain (reve,CCAGCTCAG,1776,KN  
 nuclear factor of activated T-,TTCTCAAGTG,34530,SPC



**Gene Description, SAGE Tag, Unigene Cluster:**

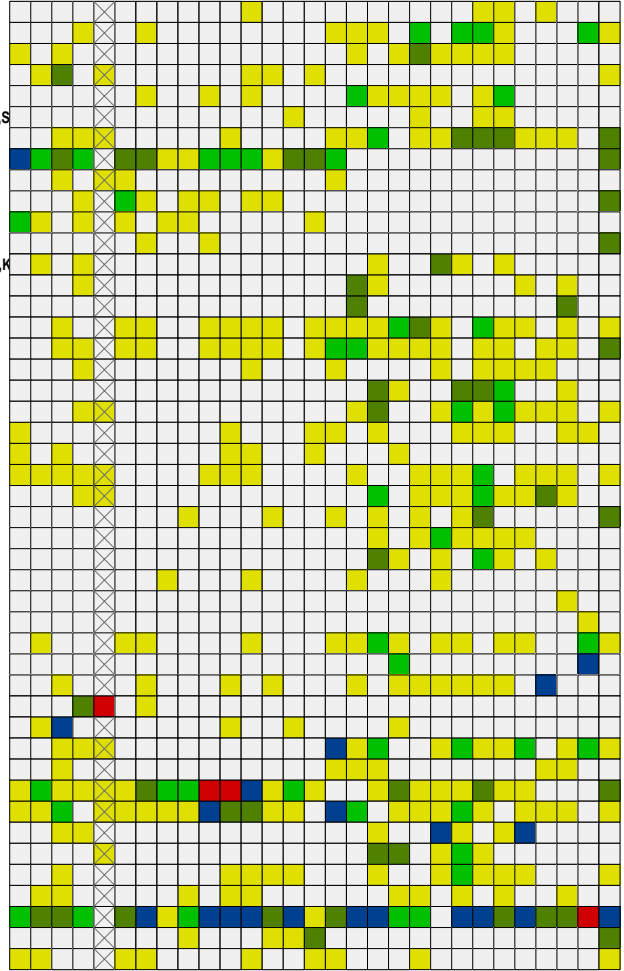
nuclear factor of activated T-,TGTTGTTGTT,10085,SPC  
nuclear factor of kappa light ,CACGAAGAAG,57043,SPC  
nuclear factor; Interleukin 3;,GAGGAGGAGG,136604,LG  
Oct-3;Oct4;POU5f1,CATTCAAACT,17031,KN  
paired-Ig-like receptor A2,AGTGCTGTGA,196420,SPC  
paired-Ig-like receptor B,TCAAGGGAAC,3189,SPC  
pan hematopoietic expression (,ATCCAGAATC,28172,SPC  
PDCD1 (PD-1),TTGACAGCAG,5024,SPC  
pH3A,AAGACCCTGG,29922,KN  
platelet-activating factor ace,CTTGCACTC,200859,SPC  
platelet-activating factor ace,TTTTCTGCAT,56337,SPC  
Plexin C1 (viral encoded semap,AGTCCTGTGT,103764,KN  
Porimin,GAATTAGACT,146516,KN  
POU domain; class 2; transcrip,CCTCCCCTCC,37811,SPC  
Ppbb partial,TCCTGCATT,41538,KN  
Ppbb; partial,GCTGCTTTT,1538,KN  
ppENK (preproEnkephalin),CTGCTTTGTG,2899,DZ  
ppENK EST (sequence error),CTGCTGTGTC,2899,SPC  
pre-B-cell colony-enhancing fa,GCCTAACCA,28830,SPC  
Programmed cell death 1 ligand,GTGTTGATT,168681,SPC  
programmed cell death 10,ATTGAGCGGG,28441,SPC  
programmed cell death 2 (zinc ,CCTCAGTGT,323,SPC  
programmed cell death 5 partia,GAGATCCTGG,21650,SPC  
programmed cell death 6,TGCCTTACTT,24254,SPC  
proliferating cell nuclear ant,AATGTTTCTG,7141,SPC  
Properdin,TGCCTGTCTG,8308,KN  
Prosaposin,AACTGAGGGG,3363,KN  
prostaglandin E receptor 4 (su,TCCTGTTGCT,18509,SPC  
protein inhibitor of activated,GGGGCTCTGT,1635,SPC  
protein kinase C; theta,CTATTTGCAG,2921,SPC  
Ptp,GCCACGCTCC,2668,SPC  
Pu.1,CCCGCCTGG,1302,KN  
R1 chemokine,AAATATCAAC,0,KN  
RAC1 (RAS-related C3 botulinum,GCGAAAGAGA,889,SPC  
RAMP2 (calcitonin modifying),AAGCCTTATT,218611,DZ  
ras homolog B (RhoB),TGCAGAGAAA,687,SPC  
RAS p21 protein activator 3,CCAATGCTGT,18517,SPC  
Ras suppressor protein 1 (RSP-,TAACCGCTTA,905,SPC  
reduced expression 3; REX-3,GGAGATCCG,14768,KN  
regulator of G-protein signalI,TTACACATA,28262,SPC  
regulator of G-protein signalI,AACTGAAATA,17554,SPC  
regulator of nonsense transcri,AACAACAAA,147889,SPC  
repressor of GATA,CGTGCCACT,116789,SPC  
RGS-1 regulator of G-protein s,AAGAGTTTT,103701,SPC  
RGS-1 truncated transcript,CCAAGTTGA,103701,SPC  
S100 Calcium bp A11,TATCCACGC,400,KN  
S100 Calcium bp A8,CCCTCTACAA,21567,KN  
S100 Calcium bp A9,TGACAGCTGC,2128,KN  
SATB1,ATACCAGAAA,4381,SPC  
Secreted phosphopr 1; Spp1; Et,CAAACACCGT,321,KN  
secretory leukocyte protease i,GCTCCCGCT,1395,SPC  
Sequestosome 1; Sqstm1; oxidat,TAGTTTCTC,9846,KN  
serine (or cysteine) proteinas,TGTTCACTAA,3093,SPC  
serine (or cysteine) proteinas,GGTCGAGTAT,38888,KN  
serine protease inhibitor; Kun,GTCTGATCC,26835,SPC  
sialoadhesin (16 domain form),GGTGGCTCAC,1374,SPC  
Sialoadhesin short form?,CTGAAAAAAA,45225,KN  
signal transducer and activato,CTGGTCTCTC,34064,SPC  
single Ig IL-1R-related protei,AGATCACGGT,38017,LG  
SLAP,TATTATTCC,7601,SPC  
SOCS1,TTTACATATT,130,SPC  
SOCS2,CCTCATATAG,4132,SPC  
SOCS3,CAATTACCTG,3468,SPC  
Sorting nexin 20 SNX20,GTGCGCCTGG,100162,KN  
Spp1 partial?,CAGAGAGCGA,321,KN  
Spp1; partial,AGTCAAGTCA,321,KN  
Spp1; partial,AATTAGAGAG,321,KN  
Spp1; point insertion,CAAACACCG,321,KN  
Spp1; point mutation,CAAATACCGT,321,KN  
SRA type II,CCTGGCTTCT,1227,KN  
SRA typeI,AGGGCCGAGT,1227,KN  
ST2L (interleukin 1 receptor I,TGTGTTGAA,35692,DZ  
STAT1,GATTGAATAA,8249,SPC  
STAT2,CCCAGCCTCA,21935,SPC  
STAT4,TCTCCAAGTG,1550,SPC  
STAT5a,GGTTGTGTGC,4697,SPC  
STAT5b,CAAGTAAATA,34064,SPC  
STAT6,GATCCTAAGC,121721,SPC  
steroid receptor RNA activator,TGACTGAGGT,29058,SPC  
sterol regulatory element bind,TACTACTTTG,214958,SPC



**Gene Description, SAGE Tag, Unigene Cluster:**

sterol-C5-desaturase (fungal E,CATACTCATT,13081,SPC  
 Stress-associated endoplasmic ,TAATTTACCT,29702,KN  
 Suppressor of cytokine signal,TAGAATCCTA,30754,KN  
 T cell cytokine receptor (Wsx-,GTTACTTATG,10745,SPC  
 T-cell acute lymphocytic leuke,CTGACTTAAG,56955,SPC  
 EXCLUDE:T-cell death associated gene (AAAAAAAAT,3117,S  
 T-cell; immune regulator 1,CCCTGCGGTT,19185,SPC  
 TCR alpha,ACATCATTAA,30295,SPC  
 TCR alpha chain (C57Bl6),GTCCTGCTT,30557,SPC  
 TCR beta,GAGTAACTT,154149,SPC  
 TCR delta (AKR),GCCAGCTCC,3888,SPC  
 TCR gamma,AAGACCCCA,1289,SPC  
 TELOMERASE-ASSOCIATED PROTEIN ,TGCTCCGGG,18972,K  
 TenascinX; TnX,TTTACAGGGG,4594,KN  
 teratocarcinoma-derived growth,AATATGCACA,5090,KN  
 testin?,ATAAACTGCA,88645,KN  
 TGF beta regulated gene 1,AAGCCTTGT,28689,SPC  
 TGF beta1-induced anti-apoptot,CAGCTGCATC,29351,SPC  
 TGF beta-induced 68 kDa,GTGCATTGT,14455,KN  
 TGF; beta 1 (partial?),ATTGTGCGCT,9154,SPC  
 TGFb inducible early growth re,CAAACTGAA,4292,SPC  
 Th1 cell immunoglobulin mucin-,CAGAAAGGAA,72168,SPC  
 Tnf receptor-associated factor,CGCCTGCAGG,3399,SPC  
 TNFR1 (p55),CTGGAAGCCT,1258,SPC  
 TNFR2 (p75),CTTCTGCATA,2666,SPC  
 TNFRsf; tumor necrosis factor ,CGCAGACAGG,143787,SPC  
 Toll-like receptor2; Tlr2,GTCCAGCAGC,87596,KN  
 Traf and Tnf receptor associat,CTTATGTCAG,19992,SPC  
 transmembrane 4 superfamily me,ATGTCACTGT,856,SPC  
 transmembrane 4 superfamily me,TATTAATAAA,18590,SPC  
 transmembrane 9 superfamily me,GTATTGGCCT,5885,SPC  
 transthyretin mRNA,AATTCGCGGA,2108,SPC  
 tropomyosin 1; alpha mRNA,CCCGTAGCCC,121878,SPC  
 trypsin 2,ATCTGTGTTG,14410,SPC  
 Tryptophan hydroxylase (TPH),AATGAGTTGC,4421,DZ  
 tumor differentially expressed,TCAGTTTATT,4962,SPC  
 tumor necrosis factor; alpha-I,TGACTGGTTG,10331,SPC  
 Unigene mm46382,GGCTTCACTG,46382,SPC  
 Unigene mm103162,TGGCTCACAA,103162,SPC  
 unknown; 11th base G,CCCGGCTTCC,0,KN  
 unknown; not lysozyme,AGCTGAGAAT,654,KN  
 vav oncogene,AACTGTCCTC,57191,SPC  
 Vitamin D receptor,CAGAAGGCTT,44170,KN  
 WARNING: mitochondrial DNA?,ATAATACATA,142740,KN  
 XCL1 (Lymphotactin-a); SCM-1a;,GCTGAAACTG,190,KN  
 X-linked lymphocyte-regulated ,AAATAGTTTC,104764,SPC

Th1 (clone R2.2)  
 Th2 (clone R2.4)  
 TriD1 (clone inc. mast cells)  
 A1xRAG-/- nodes  
 CBA nodes  
 CD4+CD25+ (CD3 stim.)  
 CD4+CD25+ (spleen)  
 CD4+CD25- (spleen)  
 CD4+CD25- (CD3 stim.)  
 TriD1 clone (CD4+)  
 Skin Treg line A  
 Skin Treg line B  
 TriD1 clone (CD3 stim.)  
 Th2 clone (CD3 stim.)  
 Th1 clone (CD3 stim.)  
 BW5147 thymoma  
 ESF-116 (ES cell line)  
 ESDC  
 ESDC+LPS  
 BMDC+LPS  
 BMDC  
 BMDC+IL10  
 BMDC+IL10+LPS  
 BMDC+vID3  
 B-cells (spleen)  
 3T3 fibroblast  
 R1 (ES cell line)  
 Brain (PGCP)  
 IEL (α/βCD8+)



**Key to Gene Expression Chart:**

- Abundantly Expressed Gene (>1%)
- Abundantly Expressed Gene (>0.3%)
- Moderately Expressed Gene (>0.1%)
- Significant Expression (>=7 tags)
- Positive Expression (>=3 tags)
- Positive (not significant <3 tags)
- Negative (undetected or no tags)
- Negative (but library <10,000 tags)

