B cells B cells B cells B cells B cells B cells	MS4A1	217418_x_at		trezGene Name 931 membrane-spanning 4-domains, subfamily A, member 1
3 cells	TCL1A	209995_s_at	Hs.2484	8115 T-cell leukemia/lymphoma 1A
	MS4A1 TCL1A	210356_x_at 39318 at	Hs.438040 Hs.2484	931 membrane-spanning 4-domains, subfamily A, member 1 8115 T-cell leukemia/lymphoma 1A
Cella	HLA-DOB	205671_s_at		3112 major histocompatibility complex, class II, DO beta
cells	PNOC KIAA0125	205901_at	Hs.88218	5368 prepronociceptin
cells	CD19	206478_at 206398_s_at	Hs.632338, Hs.64925 Hs.652262	9834 KIAA0125 930 CD19 molecule
cells	CR2	205544_s_at	Hs.445757	1380 complement component (3d/Epstein Barr virus) receptor 2
cells	IGHG1 FCRL2	213674_x_at 221239_s_at		3500 immunoglobulin heavy constant gamma 1 (G1m marker) 79368 Fc receptor-like 2
cells	BLK	206255_at	Hs.146591	640 B lymphoid tyrosine kinase
cells	IGHG1	222285_at 205229 s at	Hs.510635	3500 immunoglobulin heavy constant gamma 1 (G1m marker)
cells	COCH OSBPL10	219073_s_at		1690 coagulation factor C homolog, cochlin (Limulus polyphemus)  114884 oxysterol binding protein-like 10
cells	IGHA1	215118_s_at	Hs.648398	3493 immunoglobulin heavy constant alpha 1
cells	TNFRSF17 ABCB4	206641_at 207819_s_at	Hs.2556 Hs 654403	608 tumor necrosis factor receptor superfamily, member 17 5244 ATP-binding cassette, sub-family B (MDR/TAP), member 4
cells	BLNK	207655_s_at	Hs.665244	29760 B-cell linker
cells	GLDC	204836_at	Hs.584238	2731 glycine dehydrogenase (decarboxylating)
cells cells	MEF2C MEF2C	209200_at 209199_s_at	Hs.654474 Hs.654474	4208 myocyte enhancer factor 2C 4208 myocyte enhancer factor 2C
cells	IGHM	209374_s_at	Hs.510635	3507 immunoglobulin heavy constant mu
cells	FAM30A SPIB	220377_at 205861_at	Hs.649259 Hs.437905	29064 family with sequence similarity 30, member A  6689 Spi-B transcription factor (Spi-1/PU.1 related)
cells	BCL11A	219497_s_at		53335 B-cell CLL/lymphoma 11A (zinc finger protein)
cells cells	GNG7 IGKC	206896_s_at		2788 guanine nucleotide binding protein (G protein), gamma 7 3514 immunoglobulin kappa constant
cells	CD72	215217_at 215925_s_at	Hs.449621 Hs.116481	971 CD72 molecule
cells	MICAL3	212715_s_at	Hs.528024, Hs.64643	57553 microtubule associated monoxygenase, calponin and LIM domain containing 3
cells cells	BCL11A BACH2	210347_s_at 221234 s at		53335 B-cell CLL/lymphoma 11A (zinc finger protein) 60468 BTB and CNC homology 1, basic leucine zipper transcription factor 2
cells	IGL@	217138_x_at	Hs.449585	3535 immunoglobulin lambda locus
cells	CCR9	207445_s_at		10803 chemokine (C-C motif) receptor 9
cells cells	QRSL1 DTNB	218948_at 215565_at	Hs.406917 Hs.307720	55278 glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1 1838 dystrobrevin, beta
cells	HLA-DQA1	212671_s_at	Hs.387679	3117 major histocompatibility complex, class II, DQ alpha 1
cells	SCN3A QRSL1	210432_s_at 218949_s_at	Hs.435274, Hs.67109 Hs.406917	6328 sodium channel, voltage-gated, type III, alpha subunit 55278 glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1
cells	SLC15A2	205316_at	Hs.518089	6565 solute carrier family 15 (H+/peptide transporter), member 2
cells	PRKCQ	210038_at	Hs.498570	5588 protein kinase C, theta
cells	CD3D CD3G	213539_at 206804_at	Hs.504048 Hs.2259	915 CD3d molecule, delta (CD3-TCR complex) 917 CD3g molecule, gamma (CD3-TCR complex)
cells	CD28	206545_at	Hs.591629	940 CD28 molecule
cells cells	LCK TRAT1	204891_s_at 217147_s_at		3932 lymphocyte-specific protein tyrosine kinase 50852 T cell receptor associated transmembrane adaptor 1
cells	PRKCQ	210039_s_at		5588 protein kinase C, theta
cells	BCL11B	219528_s_at		64919 B-cell CLL/lymphoma 11B (zinc finger protein)
cells cells	CD2 LCK	205831_at 204890_s_at	Hs.523500 Hs.470627	914 CD2 molecule 3932 lymphocyte-specific protein tyrosine kinase
cells	TRBC1	213193_x_at	Hs.654496	28639 T cell receptor beta constant 1
cells	TRBC1 TRA@	210915_x_at 209670_at	Hs.654496 Hs.74647	28639 T cell receptor beta constant 1  28755 T cell receptor alpha constant
cells	ITM2A	202747_s_at		9452 integral membrane protein 2A
cells	SH2D1A	210116_at	Hs.349094	4068 SH2 domain protein 1A, Duncan's disease (lymphoproliferative syndrome)
cells	CD6 CD96	213958_at 206761_at	Hs.643167 Hs.142023	923 CD6 molecule  10225 CD96 molecule
cells	NCALD		Hs.492427, Hs.68013	83988 neurocalcin delta
cells	GIMAP5 TRA@	218805_at 209671_x_at		55340 GTPase, IMAP family member 5 6955 T cell receptor alpha locus
cells	CD3E	205456_at	Hs.3003	916 CD3e molecule, epsilon (CD3-TCR complex)
cells	SKAP1 TRA@	205790_at 213830_at	Hs.316931	8631 src kinase associated phosphoprotein 1
cells	TRA@	216191 s at	Hs.74647 Hs.74647	6955 T cell receptor alpha locus 6955 T cell receptor alpha locus
helper cells	ICOS	210439_at	Hs.56247	29851 inducible T-cell co-stimulator
helper cells helper cells	LRBA ITM2A	214109_at 202746 at	Hs.480938 Hs.17109	987 LPS-responsive vesicle trafficking, beach and anchor containing 9452 integral membrane protein 2A
	FAM111A			5452 Integral membrane protein 270
	1 / ((V) 1 1 1 / (	218248_at	Hs.150651	63901 family with sequence similarity 111, member A
helper cells helper cells	PHF10	219126_at	Hs.435933	55274 PHD finger protein 10
helper cells helper cells helper cells	PHF10 NUP107	219126_at 218768_at	Hs.435933 Hs.524574	55274 PHD finger protein 10 57122 nucleoporin 107kDa
helper cells helper cells helper cells helper cells helper cells	PHF10 NUP107 SEC24C NAP1L4	219126_at 218768_at 202361_at 201414_s_at	Hs.435933 Hs.524574 Hs.654429 Hs.501684	55274 PHD finger protein 10 57122 nucleoporin 107kDa 9632 SEC24 related gene family, member C (S. cerevisiae) 4676 nucleosome assembly protein 1-like 4
helper cells helper cells helper cells helper cells helper cells helper cells	PHF10 NUP107 SEC24C NAP1L4 BATF	219126_at 218768_at 202361_at 201414_s_at 205965_at	Hs.435933 Hs.524574 Hs.654429 Hs.501684 Hs.509964	55274 PHD finger protein 10 57122 nucleoporin 107kDa 9632 SEC24 related gene family, member C (S. cerevisiae) 4676 nucleosome assembly protein 1-like 4 10538 basic leucine zipper transcription factor, ATF-like
helper cells	PHF10 NUP107 SEC24C NAP1L4	219126_at 218768_at 202361_at 201414_s_at 205965_at 203428_s_at	Hs.435933 Hs.524574 Hs.654429 Hs.501684 Hs.509964	55274 PHD finger protein 10 57122 nucleoporin 107kDa 9632 SEC24 related gene family, member C (S. cerevisiae) 4676 nucleosome assembly protein 1-like 4
helper cells	PHF10 NUP107 SEC24C NAP1L4 BATF ASF1A FRYL FUSIP1	219126_at 218768_at 202361_at 201414_s_at 205965_at 203428_s_at 212546_s_at 213594_x_at	Hs.435933 Hs.524574 Hs.654429 Hs.501684 Hs.509964 Hs.292316 Hs.631525, Hs.64632 Hs.3530, Hs.652334	55274 PHD finger protein 10  57122 nucleoporin 107kDa  963 SEC24 related gene family, member C (S. cerevisiae)  4676 nucleosome assembly protein 1-like 4  10538 basic leucine zipper transcription factor, ATF-like  25842 ASF1 anti-silencing function 1 homolog A (S. cerevisiae)  28527 FRY-like  10772 FUS interacting protein (serine/arginine-rich) 1
helper cells	PHF10 NUP107 SEC24C NAP1L4 BATF ASF1A FRYL FUSIP1 TRA@	219126_at 218768_at 202361_at 201414_s_at 205965_at 203428_s_at 212546_s_at 213594_x_at	Hs.435933 Hs.524574 Hs.654429 Hs.501684 Hs.509964 Hs.292316 Hs.631525, Hs.64632	55274 PHD finger protein 10 57122 nucleoporin 107kDa 9632 SEC24 related gene family, member C (S. cerevisiae) 4676 nucleosome assembly protein 1-like 4 10538 basic leucine zipper transcription factor, ATF-like 25842 ASF1 anti-silencing function 1 homolog A (S. cerevisiae) 285527 FRY-like
helper cells	PHF10 NUP107 SEC24C NAP1L4 BATF ASF1A FRYL FUSIP1 TRA@ RPA1	219126_at 218768_at 202361_at 201414_s_at 205965_at 203428_s_at 212546_s_at 213594_x_at 215524_x_at 217412_at 201528_at	Hs. 435933 Hs.524574 Hs.654429 Hs.501684 Hs.509964 Hs.292316 Hs.631525, Hs.64632 Hs.3530, Hs.652334 Hs.74647, Hs.499145	55274 PHD finger protein 10  57122 nucleoporin 107kDa 9632 SEC24 related gene family, member C (S. cerevisiae) 4676 nucleosome assembly protein 1-like 4 10538 basic leucine zipper transcription factor, ATF-like 25842 ASF1 anti-silencing function 1 homolog A (S. cerevisiae) 285527 FRY-like 10777 FUS interacting protein (serine/arginine-rich) 1 10730 YME1-like 1 (S. cerevisiae) 6955 6117 replication protein A1, 70kDa
helper cells	PHF10 NUP107 SEC24C NAP1L4 BATF ASF1A FRYL FUSIP1 TRA@ TRA@ TRA@ UBE2L3	219126_at 218768_at 202361_at 201414_s_at 205965_at 203428_s_at 212546_s_at 215524_x_at 217412_at 201528_at 200683_s_at	Hs. 435933 Hs. 524574 Hs. 654429 Hs. 501684 Hs. 509964 Hs. 292316 Hs. 631525, Hs. 64632 Hs. 3530, Hs. 652334 Hs. 74647, Hs. 499145 Hs. 461925, Hs. 59556 Hs. 108104, Hs. 69370	55274 PHD finger protein 10  57122 nucleoporin 107kDa  9632 SEC24 related gene family, member C (S. cerevisiae)  4676 nucleosome assembly protein 1-like 4  10538 basic leucine zipper transcription factor, ATF-like  25842 ASF1 anti-silencing function 1 homolog A (S. cerevisiae)  285527 FRY-like  10772 FUS interacting protein (serine/arginine-rich) 1  10730 YMET-like 1 (S. cerevisiae)  8955  6117 replication protein A1, 70kDa  7332 ubiquitin-conjugating enzyme E2L 3
helper cells	PHF10 NUP107 SEC24C NAP1L4 BATF ASF1A FRYL FUSIP1 TRA@ RPA1	219126_at 218768_at 202361_at 201414_s_at 205965_at 203428_s_at 212546_s_at 213594_x_at 215524_x_at 217412_at 201528_at	Hs 435933 Hs.524574 Hs.504429 Hs.501684 Hs.509964 Hs.202316 Hs.631525, Hs.64632 Hs.3530, Hs.652334 Hs.74647, Hs.499145 Hs.481925, Hs.59556 Hs.108104, Hs.69370 Hs.49604	55274 PHD finger protein 10  57122 nucleoporin 107kDa 9632 SEC24 related gene family, member C (S. cerevisiae) 4676 nucleosome assembly protein 1-like 4 10538 basic leucine zipper transcription factor, ATF-like 25842 ASF1 anti-silencing function 1 homolog A (S. cerevisiae) 285527 FRY-like 10777 FUS interacting protein (serine/arginine-rich) 1 10730 YME1-like 1 (S. cerevisiae) 6955 6117 replication protein A1, 70kDa
helper cells	PHF10 NUP107 SEC24C NAP11.4 BATF ASF1A FRYL FUSIP1 TRA@ TRA@ RPA1 UBE2L3 ANP32B DDX50 C13orf34	219126_at 218768_at 218768_at 202361_at 202361_at 201414_s_at 205965_at 203428_s_at 212546_s_at 215524_x_at 217412_at 201528_at 200683_s_at 201306_s_at 221699_s_at 219544_at	Hs. 435933 Hs. 524574 Hs. 654429 Hs. 501684 Hs. 509964 Hs. 292316 Hs. 631525, Hs. 64632 Hs. 3530, Hs. 652334 Hs. 74647, Hs. 499145 Hs. 461925, Hs. 59556 Hs. 108104, Hs. 69370 Hs. 494604 Hs. 522984 Hs. 5633132	55274 PHD finger protein 10  57122 nucleoporin 107kDa  9632 SEC24 related gene family, member C (S. cerevisiae)  4676 nucleosome assembly protein 1-like 4  10538 basic leucine zipper transcription factor, ATF-like  25842 ASF1 anti-silencing function 1 homolog A (S. cerevisiae)  285527 FRY-like  10772 FUS interacting protein (serine/arginine-rich) 1  10730 YMET-like 1 (S. cerevisiae)  6955  6117 replication protein A1, 70kDa  7332 ubiquitin-conjugating enzyme E2L 3  10541 acidic (leucine-rich) nuclear phosphoprotein 32 family, member B  79009 DEAD (Asp-Giu-Ala-Asp) box polypeptide 50  79866 chromosome 13 open reading frame 34
helper cells	PHF10 NUP107 SEC24C NAP114 BATF ASF1A FRYL FUSIP1 TRA@ TRA@ RPA1 UBE2L3 ANP32B DDX50 C13ort34 PPP2R5C	219126, at 2018768, at 202361, at 201414, s. at 205965, at 203428, s. at 212546, s. at 213594, x. at 217412, at 201628, at 201683, s. at 21699, s. at 21944, at 213944, at 213954, at 213954, at 213954, at 213954, at 213955, at	Hs. 435933 Hs.524574 Hs.501684 Hs.501684 Hs.509964 Hs.292316 Hs.631525, Hs.64632 Hs.3530, Hs.652334 Hs.74647, Hs.499145 Hs.461925, Hs.59556 Hs.108104, Hs.69370 Hs.494604 Hs.522984 Hs.653132 Hs.368264	55274 PHD finger protein 10  57122 nucleoporin 107kDa 9632 SEC24 related gene family, member C (S. cerevisiae) 4676 nucleosome assembly protein 1-like 4 10538 basic leucine zipper transcription factor, ATF-like 25842 ASF1 anti-silencing function 1 homolog A (S. cerevisiae) 285527 FRY-like 10772 FUS interacting protein (serine/arginine-rich) 1 10730 YME1-like 1 (S. cerevisiae) 6955 6117 replication protein A1, 70kDa 7332 ubiquitin-conjugating enzyme E2L 3 10541 acidic (leucine-rich) nuclear phosphoprotein 32 family, member B 79009 DEAD (Asp-Glu-Ala-Asp) box polypeptide 50
helper cells	PHF10 NUP107 SEC24C NAP114 BATF ASF1A FRYL FUSIP1 TRA@ TRA@ RPA1 UBE2L3 ANP32B DDX50 C13orf34 PPP2R5C SLC25A12 ATF2	219126, at 202361, at 201414, s. at 201414, s. at 2015965, at 203428, s. at 212546, s. at 215524, x. at 215524, x. at 201528, at 201628, at 201636, s. at 201699, s. at 219544, at 213305, s. at 20340, s. at 20340, s. at 20340, s. at 203440, s. at 205446, s. at 20340, s. at 205446, s. at 205446, s. at 20340, s. at 20340, s. at 205446, s. at 20340, s. at 205446, s. at 20340, s. at 20340, s. at 205446, s. at 20340, s. at 20340, s. at 205446, s. at 20340, s. at 20340, s. at 205446, s. at 20340, s. at 203	Hs 435933 Hs.524574 Hs.501684 Hs.509864 Hs.202316 Hs.631525, Hs.64632 Hs.3530, Hs.652334 Hs.74647, Hs.499145 Hs.494604 Hs.522984 Hs.63532 Hs.636332 Hs.64604 Hs.653132 Hs.368264 Hs.476608	55274 PHD finger protein 10  57122 nucleoporin 107kDa  9632 SEC24 related gene family, member C (S. cerevisiae)  4676 nucleosome assembly protein 1-like 4  10538 basic leucine zipper transcription factor, ATF-like  25842 ASF1 anti-silencing function 1 homolog A (S. cerevisiae)  28527 FRY-like  10772 FUS interacting protein (serine/arginine-rich) 1  10730 YME1-like 1 (S. cerevisiae)  6955  6117 replication protein A1, 70kDa  7332 ubiquitin-conjugating enzyme E2L 3  10541 acidic (leucine-rich) nuclear phosphoprotein 32 family, member B  79009 DEAD (Asp-Glu-Ala-Asp) box polypeptide 50  79866 chromosome 13 open reading frame 34  5527 protein phosphatase 2, regulatory subunit B¹, gamma isoform  8004 solute carrier family 25 (mitochondrial carrier, Aralar), member 12  1386 acidivating transcription factor 2
helper cells	PHF10 NUP107 SEC24C NAP114 BATF ASF1A FRYL FUSIP1 TRA@ TRA@ TRAM UBE213 ANP22B DDX50 C13off34 PPP2R5C SLC25A12 ATF2 CD28	219126, at 218768, at 202361, at 201414, s. at 205965, at 203428, s. at 215246, s. at 215524, x. at 215524, x. at 205488, at 206483, s. at 221699, s. at 221699, s. at 2213305, s. at 203340, s. at 203446, s. at 205446, s. at 201466, x. at 201468, x. at 20	Hs. 435933 Hs.524574 Hs.501684 Hs.501684 Hs.50964 Hs.292316 Hs.631525, Hs.64632 Hs.3530, Hs.652334 Hs.74647, Hs.499145 Hs.461925, Hs.59556 Hs.108104, Hs.69370 Hs.494604 Hs.522984 Hs.653132 Hs.368264 Hs.470608 Hs.694722	55274 PHD finger protein 10  57122 nucleoporin 107kDa  9632 SEC24 related gene family, member C (S. cerevisiae)  4676 nucleosome assembly protein 1-like 4  10538 basic leucine zipper transcription factor, ATF-like  25842 ASF1 anti-silencing function 1 homolog A (S. cerevisiae)  285527 FRY-like  10772 FUS interacting protein (serine/arginine-rich) 1  10730 YME1-like 1 (S. cerevisiae)  6955  6117 replication protein A1, 70kDa  7332 ubiquitin-conjugating enzyme E2L 3  10541 acdic (leucine-rich) nuclear phosphoprotein 32 family, member B  79009 DEAD (Asp-Glu-Ala-Asp) box polypeptide 50  79866 chromosome 13 open reading frame 34  5527 protein phosphatase 2, regulatory subunit B', gamma isoform  8604 solute carrier family 25 (mitochondrial carrier, Aralar), member 12  1386 activating transcription factor 2
helper cells	PHF10 NUP107 SEC24C NAP114 BATF ASF1A FRYL FUSIP1 TRA@ TRA@ RPA1 UBE2L3 ANP32B DDX50 C13orf34 PPP2R5C SLC25A12 ATF2	219126, at 202361, at 201414, s. at 201414, s. at 2015965, at 203428, s. at 212546, s. at 215524, x. at 215524, x. at 201528, at 201628, at 201636, s. at 201699, s. at 219544, at 213305, s. at 20340, s. at 20340, s. at 20340, s. at 203440, s. at 205446, s. at 20340, s. at 205446, s. at 205446, s. at 20340, s. at 20340, s. at 205446, s. at 20340, s. at 205446, s. at 20340, s. at 20340, s. at 205446, s. at 20340, s. at 20340, s. at 205446, s. at 20340, s. at 20340, s. at 205446, s. at 20340, s. at 203	Hs. 435933 Hs.524574 Hs.501684 Hs.501684 Hs.50964 Hs.292316 Hs.631525, Hs.64632 Hs.3530, Hs.652334 Hs.74647, Hs.499145 Hs.461925, Hs.59556 Hs.108104, Hs.69370 Hs.494604 Hs.522984 Hs.653132 Hs.368264 Hs.470608 Hs.694722	55274 PHD finger protein 10  57122 nucleoporin 107kDa  963 SEC24 related gene family, member C (S. cerevisiae)  4676 nucleosome assembly protein 1-like 4  10538 basic leucine zipper transcription factor, ATF-like  25842 ASF1 anti-silencing function 1 homolog A (S. cerevisiae)  28527 FRY-like  10772 FUS interacting protein (serine/arginine-rich) 1  10730 YME1-like 1 (S. cerevisiae)  6955  6117 replication protein A1, 70kDa  7332 ubiquitin-conjugating enzyme E2L 3  10541 acidic (leucine-rich) nuclear phosphoprotein 32 family, member B  79009 DEAD (Asp-Glu-Ala-Asp) box polypeptide 50  79866 chromosome 13 open reading frame 34  5527 protein phosphatase 2, regulatory subunit B¹, gamma isoform  8004 solute carrier family 25 (mitochondrial carrier, Aralar), member 12  1386 acidivating transcription factor 2
helper cells melper cells helper cells helper cells melper cells helper cells helper cells melper cells helper cells	PHF10 NUP107 SEC24C NAP114 BATF ASF1A FRYL FUSIP1 TRA@ TRA@ TRAM UBE213 ANP32B DDX50 C13orf34 PP2R5C SLC25A12 ATF2 CD28 GOLGA8A CDC14A ATM	219126, at 201366, at 202361, at 201414, s. at 205965, at 203428, s. at 215246, s. at 215242, x. at 215224, x. at 215224, x. at 200683, s. at 201426, s. at 201306, s. at 201306, s. at 201306, s. at 201306, s. at 201346, s. at 201346, s. at 201346, s. at 201346, s. at 201344, s. at 201441, at 208442, s. at 208	Hs. 455933 Hs.524574 Hs.501684 Hs.501684 Hs.509964 Hs.292316 Hs.631525, Hs.64632 Hs.3530, Hs.652334 Hs.74647, Hs.499145 Hs.461925, Hs.59556 Hs.108104, Hs.69370 Hs.494604 Hs.522984 Hs.653132 Hs.368264 Hs.470608 Hs.694722 Hs.591629 Hs.182982 Hs.127411 Hs.367437	55274 PHD finger protein 10  57122 nucleoporin 107kDa 9632 SEC24 related gene family, member C (S. cerevisiae) 4676 nucleosome assembly protein 1-like 4 10538 basic leucine zipper transcription factor, ATF-like 25842 ASF1 anti-silencing function 1 homolog A (S. cerevisiae) 285527 FRY-like 10772 FUS interacting protein (serine/arginine-rich) 1 10730 YME1-like 1 (S. cerevisiae) 6955 6117 replication protein A1, 70kDa 7332 ubiquitin-conjugating enzyme E2L 3 10541 acidic (leucine-rich) nuclear phosphoprotein 32 family, member B 79009 DEAD (Asp-Glu-Ala-Asp) box polypeptide 50 79866 chromosome 13 open reading frame 34 5527 protein phosphatase 2, regulatory subunit B', gamma isoform 8604 solute carrier family 25 (mitochondrial carrier, Aralar), member 12 1386 activating transcription factor 2 940 CD28 molecule 23015 golgi autoantigen, golgin subfamily a, 8A 8556 CDC14 cell division cycle 14 homolog A (S. cerevisiae) 472 ataxia telangiectasia mutated
helper cells	PHF10 NUP107 SEC24C NAP114 BATF ASF1A FRYL FUSIP1 TRA@ TRA@ RPA1 UBE213 ANP32B DDX50 C13off34 PPP2R5C SLC25A12 ATF2 CD28 GOLGA8A CDC14A	219126, at 202361, at 2013414, s. at 205965, at 203428, s. at 212546, s. at 213594, x. at 215524, x. at 215528, at 201306, s. at 201306, s. at 201305, s. at 21699, s. at 213305, s. at 203340, s. at 213858, x. at 21856, x. at 203444, s. at 208442, s. at 204441, at 208442, s. at 208424, at 206624, at 206424, at 2045050505051, at 202362, at 2045050505050505050505050505050505050505	Hs 435933 Hs.524574 Hs.501684 Hs.501684 Hs.202316 Hs.631525, Hs.64632 Hs.3530, Hs.652334 Hs.74647, Hs.499145 Hs.4081025, Hs.59556 Hs.108104, Hs.69370 Hs.494604 Hs.522984 Hs.653132 Hs.368264 Hs.470608 Hs.694722 Hs.5951629 Hs.182982 Hs.1827411 Hs.367437 Hs.367437	55274 PHD finger protein 10  57122 nucleoporin 107kDa  9632 SEC24 related gene family, member C (S. cerevisiae)  4676 nucleosome assembly protein 1-like 4  10538 basic leucine zipper transcription factor, ATF-like  25842 ASF1 anti-silencing function 1 homolog A (S. cerevisiae)  285527 FRY-like  10772 FUS interacting protein (serine/arginine-rich) 1  10730 YME1-like 1 (S. cerevisiae)  8955  6117 replication protein A1, 70kDa  7332 ubiquitin-conjugating enzyme E2L 3  10541 acidic (leucine-rich) nuclear phosphoprotein 32 family, member B  79009 DEAD (Asp-Glu-Ala-Asp) box polypeptide 50  79866 chromosome 13 open reading frame 34  5527 protein phosphatase 2, regulatory subunit B', gamma isoform  8604 solute carrier family 25 (mitochondrial carrier, Aralar), member 12  1386 activating transcription factor 2  940 CD28 molecule  23015 golgi autoantigen, golgin subfamily a, 8A  8556 CDC14 cell division cycle 14 homolog A (S. cerevisiae)  472 ataxia telangiectasia mutated  8287 ubiquitin specific peptidase 9, Y-linked (fat facets-like, Drosophila)
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i helper cells i help	PHF10 NUP107 SEC24C NAP114 BATF ASF1A FRYL FUSIP1 TRA@ RPA1 UBE213 ANP32B DDX50 C13off34 PPP2R5C SLC25A12 ATF2 CD28 GOLGA8A CDC14A ATM USP9Y PCNX ATM USP9Y FONX ATM LSP9Y FONX ATM LSP9Y RLF12 ST3GAL1 INPP4B CASP8 MLL PCM1 RP11-74E24: PHC3 NFATC3 LOC202134 TIMM8A ATF7IP REPS1	219126, at 218768_at 202361_at 201414_s_at 205965_at 203428_s_at 212546_s_at 215524_x_at 201528_at 201528_at 200683_s_at 21699_s_at 219544_at 213305_s_at 201586_at 21856_at 21856_at 215175_at 205466_s_at 215175_at 205468_s_at 215175_at 205468_s_at 215175_at 205468_s_at 215175_at 206624_at 215175_at 215274_at 215574_at 2157574_at 21	Hs. 435933 Hs.524574 Hs.524574 Hs.654429 Hs.501684 Hs.509964 Hs.292316 Hs.631525, Hs.64632 Hs.3530, Hs.652334 Hs.74647, Hs.499145 Hs.4861925, Hs.59556 Hs.108104, Hs.69370 Hs.494604 Hs.522984 Hs.470608 Hs.653132 Hs.6563132 Hs.694722 Hs.591629 Hs.182982 Hs.127411 Hs.307437 Hs.655309 Hs.446559 Hs.3655093 Hs.446559 Hs.373857, Hs.59250 Hs.3565983 Hs.537437 Hs.591148 Hs.573865, Hs.69447 Hs.491148 Hs.5746866 Hs.529592, Hs.69446 Hs.522099 Hs.66447 Hs.491148 Hs.546686 Hs.522992, Hs.69446 Hs.632209 Hs.4665968 Hs.529992, Hs.69446 Hs.632209 Hs.466912, Hs.65568 Hs.647877 Hs.691151	55274 PHD finger protein 10  57122 nucleoporin 107kDa  9632 SEC24 related gene family, member C (S. cerevisiae)  4676 nucleosome assembly protein 1-like 4  10538 basic leucine zipper transcription factor, ATF-like  25842 ASF1 anti-silencing function 1 homolog A (S. cerevisiae)  285527 FRY-like  10772 FUS interacting protein (serine/arginine-rich) 1  10730 YME1-like 1 (S. cerevisiae)  6955  6117 replication protein A1, 70kDa  7332 ubiquitin-conjugating enzyme E2L 3  10541 acidic (leucine-rich) nuclear phosphoprotein 32 family, member B  79009 DEAD (Asp-Glu-Ala-Asp) box polypeptide 50  79866 chromosome 13 open reading frame 34  5527 protein phosphatase 2, regulatory subunit B', gamma isoform  8604 solute carrier family 25 (mitochondrial carrier, Aralar), member 12  1386 acidivating transcription factor 2  940 CD28 molecule  23015 golgi autoantigen, golgin subfamily a, 8A  8556 CDC14 cell division cycle 14 homolog A (S. cerevisiae)  472 ataxia telangiectasia mutated  8828 ubiquitin specific peptidase 9, Y-linked (fat facets-like, Drosophila)  22990 pecanex homolog (Drosophila)  472 ataxia telangiectasia mutated  27086 forkhead box P1  11278 Kruppel-like factor 12  6442 ST3 beta-galactoside alpha-2,3-sialyltransferase 1  8821 mositiol polyphosphate-4-phosphatase, type II, 105kDa  841 caspase 8, apoptosis-related cysteine peptidase  4297 myeloid/lymphoto or mixed-lineage leukemia (trithorax homolog, Drosophila)  5108 pericentriolar material 1  441155 zinc finger CCCH-type domain-containing pseudogene  80012 polyhomeotic homolog 3 (Drosophila)  475 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3  55021 RALBP1 associated Eps domain containing 1

Tcm	CYLD	214272_at	Hs.578973	1540 cylindromatosis (turban tumor syndrome)
Tcm	SNRPN	216850_at	Hs.564847, Hs.63216	6638 small nuclear ribonucleoprotein polypeptide N
Tcm Tcm	TRAF3IP3 NEFL	215275_at 221805_at	Hs.147434 Hs.521461	80342 TRAF3 interacting protein 3 4747 neurofilament, light polypeptide 68kDa
Tcm	POLR2J2	217610_at	Hs.654726, Hs.69363	246721 DNA directed RNA polymerase II polypeptide J-related
Tcm Tcm	AQP3 CG030	203747_at 215105_at	Hs.234642 Hs.658751	360 aquaporin 3 (Gill blood group) 116828 hypothetical gene CG030
Tcm	PDXDC2	215920_s_at	Hs.513695	283970 pyridoxal-dependent decarboxylase domain containing 2
Tcm Tcm	CLUAP1 DOCK9	204576_s_at 215041 s at		23059 clusterin associated protein 1 23348 dedicator of cytokinesis 9
Tcm	CYorf15B	214131_at	Hs.592254	84663 chromosome Y open reading frame 15B
Tcm Tcm	CREBZF CEP68	207971_s_at	Hs.535319, Hs.65701 Hs.693614	58487 CREB/ATF bZIP transcription factor 23177 centrosomal protein 68kDa
Tcm	TXK	206828_at	Hs.479669	7294 TXK tyrosine kinase
Tcm Tcm	SLC7A6 FYB	203578_s_at 205285_s_at	Hs.370503	9057 solute carrier family 7 (cationic amino acid transporter, y+ system), member 6  2533 FYN binding protein (FYB-120/130)
Tcm	MAP3K1	214786_at	Hs.657756	4214 mitogen-activated protein kinase kinase kinase 1
Tem Tem	TRA@ PRKY	217397_at 206279_at	Hs.74647 Hs.632287	6955 T cell receptor alpha locus 5616 protein kinase, Y-linked
Tem	VIL2	217230_at	Hs.693594	7430 villin 2 (ezrin)
Tem Tem	GDPD5 CCR2	32502_at 206978_at	Hs.503297, Hs.67186 Hs.644637	81544 glycerophosphodiester phosphodiesterase domain containing 5  1231 chemokine (C-C motif) receptor 2
Tem	MEFV CZorf54	208262_x_at		4210 Mediterranean fever
Tem Tem	C7orf54 FLI1	210109_at 210786_s_at	Hs.657377 Hs.504281	27099 chromosome 7 open reading frame 54 2313 Friend leukemia virus integration 1
Tem	TBC1D5 DDX17	201815_s_at	Hs.475629 Hs.528305, Hs.66542	9779 TBC1 domain family, member 5 10521 DEAD (Asp-Glu-Ala-Asp) box polypeptide 17
Tem Tem	AKT3	212609_s_at		10000 v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)
Tem	EWSR1 TBCD	211825_s_at 201759_at	Hs.374477 Hs.464391	2130 Ewing sarcoma breakpoint region 1 6904 tubulin folding cofactor D
Tem Tem	CCR2	201759_at 207794_at	Hs.644637	1231 chemokine (C-C motif) receptor 2
Tem Tem	NFATC4 LTK	205897_at 207106_s_at	Hs.77810	4776 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4 4058 leukocyte tyrosine kinase
Th1 cells	IFNG	210354_at	Hs.856	3458 interferon, gamma
Th1 cells Th1 cells	LTA APBB2	206975_at 213419_at	Hs.36 Hs.479602	4049 lymphotoxin alpha (TNF superfamily, member 1) 323 amyloid beta (A4) precursor protein-binding, family B, member 2 (Fe65-like)
Th1 cells	DOK5	214844_s_at	Hs.656582	55816 docking protein 5
Th1 cells Th1 cells	IL12RB2 APBB2	206999_at 40148_at	Hs.479347 Hs.479602	3595 interleukin 12 receptor, beta 2 323 amyloid beta (A4) precursor protein-binding, family B, member 2 (Fe65-like)
Th1 cells	APOD	201525_at	Hs.522555	347 apolipoprotein D
Th1 cells Th1 cells	ZBTB32 CD38	220118_at 205692_s_at	Hs.99430 Hs.479214	27033 zinc finger and BTB domain containing 32 952 CD38 molecule
Th1 cells	CSF2	210229_s_at	Hs.1349	1437 colony stimulating factor 2 (granulocyte-macrophage)
Th1 cells Th1 cells	CTLA4 CD70	221331_x_at 206508 at	Hs.247824 Hs.501497	1493 cytotoxic T-lymphocyte-associated protein 4  970 CD70 molecule
Th1 cells	DPP4	211478_s_at	Hs.368912	1803 dipeptidyl-peptidase 4 (CD26, adenosine deaminase complexing protein 2)
Th1 cells Th1 cells	EGFL6 BST2	219454_at 201641_at	Hs.12844 Hs.118110	25975 EGF-like-domain, multiple 6 684 bone marrow stromal cell antigen 2
Th1 cells	DUSP5	209457_at	Hs.2128	1847 dual specificity phosphatase 5
Th1 cells Th1 cells	LRP8 IL22	205282_at 221165_s_at	Hs.576154 Hs 287369	7804 low density lipoprotein receptor-related protein 8, apolipoprotein e receptor 50616 interleukin 22
Th1 cells	DGKI	206806_at	Hs.242947	9162 diacylglycerol kinase, iota
Th1 cells Th1 cells	CCL4 DPP4	204103_at 203716_s_at	Hs.75703 Hs.368912	6351 chemokine (C-C motif) ligand 4  1803 dipeptidyl-peptidase 4 (CD26, adenosine deaminase complexing protein 2)
Th1 cells	GGT1	211417_x_at	Hs.595809, Hs.64553	2678 gamma-glutamyltransferase 1
Th1 cells Th1 cells	LRRN3 SYNGR3	209840_s_at 205691_at	Hs.3781 Hs.435277	54674 leucine rich repeat neuronal 3 9143 synaptogyrin 3
Th1 cells	ATP9A	212062_at	Hs.592144	10079 ATPase, Class II, type 9A
Th1 cells Th1 cells	BTG3 CMAH	205548_s_at 210571_s_at		10950 BTG family, member 3 8418 cytidine monophosphate-N-acetylneuraminic acid hydroxylase (CMP-N-acetylneuraminate monooxygenase)
Th1 cells	HBEGF	38037_at	Hs.799	1839 heparin-binding EGF-like growth factor
Th1 cells Th2 cells				
	SGCB PMCH	205120_s_at 206942 s at		6443 sarcoglycan, beta (43kDa dystrophin-associated glycoprotein) 5367 pro-melanin-concentrating hormone
Th2 cells	PMCH AHI1	206942_s_at 220841_s_at	Hs.694729 Hs.386684	5367 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1
Th2 cells Th2 cells	PMCH AHI1 PTGIS	206942_s_at 220841_s_at 208131_s_at	Hs.694729 Hs.386684 Hs.302085	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase
Th2 cells Th2 cells Th2 cells Th2 cells	PMCH AHI1 PTGIS AHI1 CXCR6	206942 s_at 220841_s_at 208131_s_at 220842_at 211469_s_at	Hs.694729 Hs.386684 Hs.302085 Hs.386684 Hs.34526	5367 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin I2 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6
Th2 cells Th2 cells Th2 cells	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5	206942_s_at 220841_s_at 208131_s_at 220842_at 211469_s_at 209717_at	Hs.694729 Hs.386684 Hs.302085 Hs.386684 Hs.34526 Hs.656836	5367 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5
Th2 cells	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 IL26	206942_s_at 220841_s_at 208131_s_at 20842_at 211469_s_at 209717_at 221569_at 221111_at	Hs.694729 Hs.386684 Hs.302085 Hs.366864 Hs.34526 Hs.656836 Hs.386684 Hs.272350	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 1
Th2 cells	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 IL26 MB	206942_s_at 220841_s_at 208131_s_at 20842_at 211469_s_at 209717_at 221569_at 221111_at 204179_at	Hs.694729 Hs.386684 Hs.302085 Hs.36684 Hs.34526 Hs.656836 Hs.386684 Hs.272350 Hs.517586	5367 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin
Th2 cells	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 IL26 MB NEIL3 GSTA4	206942_s_at 220841_s_at 208131_s_at 220842_at 211469_s_at 209717_at 221569_at 221111_at 204179_at 219502_at 202967_at	Hs 694729 Hs.38684 Hs.392085 Hs.386884 Hs.34526 Hs.656836 Hs.346684 Hs.272350 Hs.517586 Hs.405467 Hs.405557	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4
Th2 cells	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 IL26 MB NEIL3	206942_s_at 20841_s_at 208131_s_at 220842_at 211469_s_at 221569_at 221111_at 204179_at 209502_at 202967_at 210617_at	Hs.694729 Hs.386684 Hs.302085 Hs.396684 Hs.34526 Hs.365636 Hs.366684 Hs.272350 Hs.517586 Hs.405467 Hs.485557 Hs.485557	5367 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin I2 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli)
Th2 cells Th2 rells Th2 rells Th2 rells Th2 rells	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 IL26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF	206942_s_at 220841_s_at 208131_s_at 208131_s_at 220842_at 211469_s_at 209717_at 221559_at 221111_at 204179_at 20967_at 202967_at 203076_s_at 209172_s_at	Hs. 694729 Hs. 38684 Hs. 302085 Hs. 386884 Hs. 34526 Hs. 34526 Hs. 34526 Hs. 3458684 Hs. 272350 Hs. 517586 Hs. 405467 Hs. 485557 Hs. 485557 Hs. 495834 Hs. 12253, Hs. 598146 Hs. 497741	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interteukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coii) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein F, 350/400ka (mitosin)
Th2 cells	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 IL26 MB NEIL3 GSTA4 PHEX SMAD2	206942_s_at 220841_s_at 208131_s_at 208131_s_at 220842_at 211469_s_at 209717_at 221559_at 221111_at 204179_at 20967_at 202967_at 203076_s_at 209172_s_at	Hs. 694729 Hs. 386684 Hs. 302085 Hs. 386684 Hs. 34526 Hs. 656836 Hs. 386684 Hs. 272350 Hs. 517586 Hs. 405467 Hs. 495637 Hs. 495634 Hs. 12253, Hs. 598146	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10683 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phospitate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2
Th2 cells Th2 t	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 IL26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 AI582773	206942 s. at 220841 s. at 208131 s. at 208131 s. at 220442 at 2211469 s. at 221569 at 221111 at 204179 at 219502 at 202967 at 203076 s. at 203076 s. at 2031245 at 214373 at	Hs. 694729 Hs. 38684 Hs. 392085 Hs. 386884 Hs. 34526 Hs. 356836 Hs. 35684 Hs. 37586 Hs. 37586 Hs. 495467 Hs. 495857 Hs. 495834 Hs. 12253, Hs. 598146 Hs. 49741 Hs. 656438, Hs. 66737 Hs. 192215 Hs. 195215 Hs. 195215	5367 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interteukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coii) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein F, 350400ka (mitosin) 286 ankyrin 1, erythrocytic 107 adenylate cyclase 1 (brain) 728210 hypothetical protein LOC728210
Th2 cells	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 IL26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 AJ582773 LAIR2 SNRPD1	206942 s at 220841 s at 2208131 s at 208131 s at 208131 s at 209717 at 211469 s at 209717 at 221111 at 204179 at 219502 at 209967 at 210617 at 203076 s at 209172 s at 208353 x at 214373 at 214373 at 207509 s at 202691 at	Hs 694729 Hs.38684 Hs.392085 Hs.386884 Hs.34526 Hs.656836 Hs.345684 Hs.272350 Hs.517586 Hs.405467 Hs.485557 Hs.495834 Hs.12263, Hs.598146 Hs.12263, Hs.598146 Hs.1253, Hs.598146 Hs.497741 Hs.656438, Hs.66737 Hs.192215 Hs.655175 Hs.485833	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interdeukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein F, 350/400ka (mitosin) 286 ankyrin 1, erythrocytic 107 adenylate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16kDa
Th2 cells	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 IL26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 AI582773 LAIR2 SNRPD1 CXCR6	206942 s. at 220841 s. at 208131 s. at 220842 at 211469 s. at 209717. at 221569 at 221111. at 204179 at 219502 at 202967. at 210617. at 203076 s. at 203076 s. at 214373. at 207509 s. at 202691 at 202691, at 202691 at 202691, at 202691, at 202691, at 202691 at 202691, at 208353 x. at 205691, at 202691, at 208381, s. at 202691, at	Hs.694729 Hs.386684 Hs.392085 Hs.386684 Hs.34526 Hs.3526 Hs.356684 Hs.36684 Hs.365687 Hs.49557 Hs.49557 Hs.495834 Hs.12253, Hs.598146 Hs.49741 Hs.656438, Hs.66737 Hs.192215 Hs.655175 Hs.43803 Hs.464734 Hs.34526	5367 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein F, 350/400ka (mitosin) 286 ankyrin 1, erythrocytic 107 adenylate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16kDa
Th2 cells	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 IL26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 AJ582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR	200942 s at 220841 s at 2208131 s at 2208131 s at 2208131 s at 2209717 at 2211469 s at 2201111 at 204179 at 209572 at 200976 s at 209172 s at 209376 s at 209172 s at 209376 s at 2014373 at 207509 s at 212473 at 202691 at 2026974 at 212472 at 202534 x at 202691 at 202691 at 202694 x	Hs 694729 Hs.38684 Hs.392085 Hs.386684 Hs.34526 Hs.656836 Hs.3456684 Hs.34525 Hs.517586 Hs.405467 Hs.495557 Hs.495834 Hs.12253, Hs.598146 Hs.497741 Hs.656438, Hs.66737 Hs.4958303 Hs.45434, Hs.66737 Hs.495844 Hs.464734 Hs.34526 Hs.46734 Hs.34526 Hs.501928 Hs.648635, Hs.65455	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interteukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein F, 350/400ka (mitosin) 286 ankyrin 1, erythrocytic 107 adenylate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16kDa 10663 chemokine (C-X-C motif) receptor 6 9645 microtubule associated monoxygenase, calponin and LIM domain containing 2 1719 dihydrofolate reductase
Th2 cells	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 LL26 MB NEIL3 GSTA4 PHEX SMAD2 CENPP ANK1 ADCY1 AJ582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2	206942 s. at 220841 s. at 208131 s. at 209171 at 221169 at 22169 at 20967 at 20967 at 209712 s. at 209172 s. at 209367 s. at 213245 at 214373 at 206974 at 212472 at 202534 x at 203077 s. at 202534 x at 203077 s. at 202534 x at 203077 s. at 203077 s. at 202534 x at 203077 s. at	Hs 694729 Hs.38684 Hs.382684 Hs.34526 Hs.5866836 Hs.5866836 Hs.57586 Hs.57586 Hs.405467 Hs.495834 Hs.12253, Hs.598146 Hs.495487741 Hs.654438, Hs.66737 Hs.65438 Hs.49548635 Hs.49548635 Hs.54526 Hs.545635 Hs.54526 Hs.561928	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein F, 350/400ka (mitosin) 286 ankyrin 1, erythrocytic 107 adenylate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16kDa 10663 chemokine (C-X-C motif) receptor 6 9645 microtubule associated monoxygenase, calponin and LIM domain containing 2 1719 dihydrofolate reductase 4087 SMAD family member 2
Th2 cells	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 IL26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 AJ582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2 WDHD1 BIRC5	206942 s at 220841 s at 208131 s at 208131 s at 208131 s at 209177 at 211469 s at 209177 at 221111 at 204179 at 219502 at 209977 at 210617 at 203976 s at 209172 s at 208363 x at 213245 at 214373 at 207509 s at 212472 at 2026974 at 212472 at 2026974 x at 203777 s at 204728 s at 204728 s at 203772 s at 204728 s at 210334 x at 203772 s at 204728 s at 210334 x at 203772 s at 204728 s at 210334 x at 203772 s at 204728 s at 210334 x at 203772 s at 204728 s at 210334 x at 203772 s at 204728 s at 210334 x at 203734 x at 2037	Hs. 694729 Hs. 38684 Hs. 386884 Hs. 36684 Hs. 34526 Hs. 36684 Hs. 34526 Hs. 356684 Hs. 345687 Hs. 272350 Hs. 517586 Hs. 405467 Hs. 485557 Hs. 495834 Hs. 12253, Hs. 598146 Hs. 497741 Hs. 656438, Hs. 66737 Hs. 495834 Hs. 12215 Hs. 494744 Hs. 34526 Hs. 5192215 Hs. 494734 Hs. 34526 Hs. 51928 Hs. 548635, Hs. 598146 Hs. 548635, Hs. 598146 Hs. 548635, Hs. 598146 Hs. 365998 Hs. 35998	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interteukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein F, 350/400ka (mitosin) 286 ankyrin 1, erythrocytic 107 adenylate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16kDa 10663 chemokine (C-X-C motif) receptor 6 9845 microtubule associated monoxygenase, calponin and LIM domain containing 2 1179 dihydrofolate reductase 4087 SMAD family member 2 11169 WD repeat and HMG-box DNA binding protein 1 332 baculoviral IAP repeat-containing 5 (survivin)
Th2 cells	PMCH AHI1 PTGIS AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 IL26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 AI582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2 WDHD1 BIRC5 DHFR	206942 s. at 220841 s. at 208131 s. at 208131 s. at 208131 s. at 208131 s. at 209171 at 221169 at 221111 at 204179 at 20967 at 202967 at 202967 at 203076 s. at 209172 s. at 208363 x. at 213245 at 213245 at 213273 at 206974 at 2025077 s. at 202691 at 202697 s. at 203377 s. at 204373 s. at 204334 x. at 204334 x. at 204334 x. at 24808 s. at 248034 s. at 24808 s. at 248808 s. at 24	Hs 694729 Hs.38684 Hs.392085 Hs.386684 Hs.34526 Hs.656836 Hs.385684 Hs.372350 Hs.517586 Hs.405467 Hs.485557 Hs.495634 Hs.12253, Hs.598146 Hs.497741 Hs.654438, Hs.66737 Hs.192215 Hs.65438, Hs.66737 Hs.495834 Hs.484734 Hs.484734 Hs.34526 Hs.501928 Hs.648635, Hs.598146 Hs.385998 Hs.514527	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein F, 350/400ka (mitosin) 286 nikyrin 1, erythrocytic 107 adenylate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16kDa 10663 chemokine (C-X-C motif) receptor 6 9645 microtubule associated monoxygenase, calponin and LIM domain containing 2 1119 dihydrofolate reductase 4087 SMAD family member 2 11169 WD repeat and HMG-box DNA binding protein 1 332 baculoviral IAP repeat-containing 5 (survivin) 11719 dihydrofolate reductase
Th2 cells	PMCH AHI1 PTGIS AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 IL26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 AI582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2 WDHD1 BIRC5 DHFR SLC39A14 HELLS	206942_s_at 220841_s_at 208131_s_at 208131_s_at 208131_s_at 220842_at 211469_s at 2209717_at 221171_at 221171_at 224177_at 229567_at 20967_at 20967_at 209717_s_at 209717_s_at 209717_s_at 20973_s_at 20973_s_at 2012473_at	Hs 694729 Hs.38684 Hs.382684 Hs.34526 Hs.656836 Hs.586684 Hs.272350 Hs.517586 Hs.405467 Hs.495834 Hs.12253, Hs.598146 Hs.495487741 Hs.654438, Hs.66737 Hs.192215 Hs.655175 Hs.495836 Hs.495836 Hs.495836 Hs.495836 Hs.495836 Hs.495836 Hs.495836 Hs.495836 Hs.495836 Hs.54526 Hs.501928 Hs.514527 Hs.684835, Hs.65455 Hs.6848635, Hs.65455 Hs.648635, Hs.65455 Hs.648635, Hs.65455 Hs.648635, Hs.65455 Hs.648635, Hs.65455 Hs.648635, Hs.65455 Hs.648635, Hs.65455	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein F, 350/400ka (mitosin) 286 ankyrin 1, erythrocytic 107 adenylate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16kDa 10663 chemokine (C-X-C motif) receptor 6 9645 microtubule associated monoxygenase, calponin and LIM domain containing 2 1719 dihydrofolate reductase 4087 SMAD family member 2 11169 WD repeat and HMG-box DNA binding protein 1 332 baculoviral IAP repeat-containing 5 (survivin) 1719 dihydrofolate reductase 23516 solute carrier family 39 (zinc transporter), member 14 3070 helicase, lymphoid-specific
Th2 cells	PMCH AHI1 PTGIS AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 L26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 AI582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2 WDHD1 BIRC5 DHFR SLC39A14 HELLS LIMA1	206942 s. at 220841 s. at 208131 s. at 208131 s. at 208131 s. at 209717 at 211469 s. at 20977 at 211469 s. at 20977 at 202967 at 202967 at 202967 at 20297 s. at 208353 x. at 208353 x. at 208353 x. at 20509 s. at 202691 at 202691 at 202691 at 202691 at 202789 s. at 201334 x. at 203077 s. at 204728 s. at 21110 at 22085 at 21210 at 22085 at 21210 at 22085 at 2119892 s. at 217892 s.	Hs 694729 Hs.38684 Hs.392085 Hs.386684 Hs.34526 Hs.656836 Hs.345684 Hs.37580 Hs.577586 Hs.495467 Hs.495557 Hs.495634 Hs.12263, Hs.598146 Hs.497741 Hs.654438, Hs.66737 Hs.4955175 Hs.6565175 Hs.495834 Hs.464734 Hs.34526 Hs.501928 Hs.519225, Hs.598146 Hs.3998 Hs.514527 Hs.656535 Hs.656835, Hs.65455 Hs.648635, Hs.65455	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10683 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein F, 350/400ka (mitosin) 286 ankyrin 1, erythrocytic 107 adenylate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16kDa 10663 chemokine (C-X-C motif) receptor 6 9645 microtubule associated monxygenase, calponin and LIM domain containing 2 1719 dihydrofolate reductase 4087 SMAD family member 2 11169 WD repeat and HMC-box DNA binding protein 1 332 baculoviral IAP repeat-containing 5 (survivin) 1719 dihydrofolate reductase 23516 solute carrier family 39 (zinc transporter), member 14 3070 helicase, lymphoid-specific
Th2 cells	PMCH AHI1 PTGIS AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 IL26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 AI582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2 WDHD1 BIRC5 DHFR SLC39A14 HELLS LIMA1 CDC25C CDC7	206942_s_at 220841_s_at 208131_s_at 208131_s_at 208131_s_at 208131_s_at 211469_s_at 2211469_s_at 221569_at 221179_at 22177_at 221502_at 202967_at 202967_at 203076_s_at 203076_s_at 203076_s_at 203375_s_at 203375_s_at 204373_at 207509_s_at 207678_s_at	Hs. 694729 Hs. 38684 Hs. 386884 Hs. 34526 Hs. 386684 Hs. 34526 Hs. 656836 Hs. 386684 Hs. 37586 Hs. 7586 Hs. 7586 Hs. 7586 Hs. 495687 Hs. 495887 Hs. 495887 Hs. 695887 Hs. 695887 Hs. 695887 Hs. 695887 Hs. 695888888888888888888888888888888888888	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10683 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phospitate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1083 centromere protein F, 350/400ka (mitosin) 286 ankyrin 1, erythrocytic 107 adenylate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16kDa 10663 chemokine (C-X-C motif) receptor 6 9445 microtubule associated monoxygenase, calponin and LIM domain containing 2 1119 dihydrofolate reductase 4087 SMAD family member 2 11169 WD repeat and HMG-box DNA binding protein 1 332 baculoviral IAP repeat-containing 5 (survivin) 1179 dihydrofolate reductase 23516 solute carrier family 39 (zinc transporter), member 14 3307 heliciase, lymphofi-specific 51474 LIM domain and actin binding 1 995 cell division cycle 7 homolog (S. cerevisiae)
Th2 cells	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 LL26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 AI582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2 WDHD1 BIRC5 DHFR SLC39A14 HELLS LIMA1 CDC25C	206942 s. at 220841 s. at 208131 s. at 208131 s. at 208131 s. at 208131 s. at 209717 at 211469 s. at 209717 at 221111. at 204179 at 209267 at 206617 at 203076 s. at 209172 s. at 208353 x. at 214373 at 207509 s. at 206974 at 208077 s. at 203077 s. at 203077 s. at 204728 s. at 210334 x. at 213245 s. at 213245 s. at 213245 s. at 213245 s. at 2132472 at 202534 x. at 203077 s. at 204728 s. at 210334 x. at 2820608 at 21010 at 220665 at 216910 at 220665 at 2056167 s. at 2096602 s. at 209602 s. at 200810 at 209602 s. at 200810 at 209602 s. at 200810 at 208602 s. at	Hs 694729 Hs.38684 Hs.392085 Hs.386884 Hs.34526 Hs.656836 Hs.336684 Hs.37586 Hs.49741 Hs.49557 Hs.495537 Hs.495834 Hs.666436 Hs.497741 Hs.6564436, Hs.66737 Hs.495517 Hs.495834 Hs.5192215 Hs.6565175 Hs.495836 Hs.5192215 Hs.655175 Hs.498635, Hs.66455 Hs.498635, Hs.65455 Hs.19223, Hs.598146 Hs.38598 Hs.514527 Hs.665635 Hs.648635, Hs.65455 Hs.48635, Hs.65455 Hs.48635, Hs.65455 Hs.48635, Hs.65455 Hs.48635, Hs.65455 Hs.48635, Hs.65455 Hs.5263630 Hs.526419 Hs.6566 Hs.533573 Hs.525419	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10683 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein F, 350/400ka (mitosin) 286 ankyrin 1, erythrocytic 107 adenylate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16k/Da 10663 chemokine (C-X-C motif) receptor 6 9645 microtubule associated monoxygenase, calponin and LIM domain containing 2 1179 dihydrofolate reductase 4087 SMAD family member 2 11169 WD repeat and HMG-box DNA binding protein 1 332 baculoviral IAP repeat-containing 5 (survivin) 1179 dihydrofolate reductase 23516 solute carrier family 39 (zinc transporter), member 14 3070 helicase, lymphoid-specific 51474 LIM domain and actin binding 1 995 cell division cycle 25 homolog C (S. pombe) 8317 cell division cycle 7 homolog (S. cerevisiae)
Th2 cells	PMCH AHI1 PTGIS AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 L26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 AJ582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2 WDHD1 BIRC5 DHFR SLC39A14 HELLS LIMA1 CDC25C CDC7 GATA3 CHI3L2 CXCL13	206942 s. at 220841 s. at 208131 s. at 208131 s. at 208131 s. at 220842 at 211469 s. at 209717 at 221569 at 209717 at 220507 at 209967 at 209967 at 209967 at 209972 s. at 209972 s. at 209973 s. at 209974 at 209534 x. at 209542 s. at 209975	Hs 694729 Hs.38684 Hs.382684 Hs.392085 Hs.386684 Hs.34526 Hs.656836 Hs.386684 Hs.34526 Hs.656836 Hs.37586 Hs.47586 Hs.47586 Hs.49557 Hs.49557 Hs.49557 Hs.49557 Hs.495634 Hs.12253, Hs.598146 Hs.497741 Hs.654438, Hs.66737 Hs.192215 Hs.655175 Hs.655175 Hs.45803 Hs.464734 Hs.34526 Hs.501928 Hs.648635, Hs.598146 Hs.385998 Hs.514527 Hs.648635, Hs.598146 Hs.3859373 Hs.524134 Hs.514840 Hs.533573 Hs.524134	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10683 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interfeukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein F, 350/400ka (mitosin) 286 ankyrin 1, erythrocytic 107 adenylate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6332 small nuclear ribonucleoprotein D1 polypeptide 16kDa 10663 chemokine (C-X-C motif) receptor 6 9645 mitorotubule associated monxygenase, calponin and LIM domain containing 2 1119 dihydrofolate reductase 4087 SMAD family member 2 11169 WD repeat and HMG-box DNA binding protein 1 332 baculoviral IAP repeat-containing 5 (survivin) 119 dihydrofolate reductase 23516 solute carrier family 39 (zinc transporter), member 14 3070 helicase, lymphoid-specific 51474 LIM domain and actin binding 1 995 cell division cycle 25 homolog C (S. pombe) 8317 cell division cycle 7 homolog (S. cerevisiae) 2625 GATA binding protein 3 1117 chitinase 3-like 2
Th2 cells Th2	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 L26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 AJ582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2 UPHR SMAD2 CENPF ANK1 CYCR6 MICAL2 CHRP SMAD2 CORD7 CORD	206942 s. at 220841 s. at 208131 s. at 208131 s. at 208131 s. at 209717 at 211469 s. at 209717 at 221569 at 211469 s. at 20977 at 219502 at 20997 at 210617 at 203076 s. at 209172 s. at 208353 x. at 214373 at 214373 at 214373 at 207509 s. at 209974 at 202534 x. at 203077 s. at 204728 s. at 210334 x. at 48808 at 212110 at 220085 at 21169 s. at 205167 s. at 204510 at 209602 s. at 213060 s. at 209602 s. at 213060 s. at 2095242 at 33197 at 33197 at 33197 at 33197 at 33197 at 320085 at 213103 s. at 204520 s. at 313060 s. at 205242 at 33197 at 3197 at 319	Hs 694729 Hs.38684 Hs.392085 Hs.386884 Hs.34526 Hs.656836 Hs.386684 Hs.34526 Hs.656836 Hs.37686 Hs.49741 Hs.656438, Hs.66737 Hs.495834 Hs.12253, Hs.598146 Hs.497741 Hs.6564438, Hs.66737 Hs.495834 Hs.5192215 Hs.68635, Hs.68438 Hs.514527 Hs.48635, Hs.598146 Hs.38598 Hs.514527 Hs.68635, Hs.598146 Hs.38598 Hs.514527	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein F, 350/400ka (mitosin) 286 ankyrin 1, erythrocytic 107 adenylate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16kDa 10663 chemokine (C-X-C motif) receptor 6 9645 microtubule associated monoxygenase, calponin and LIM domain containing 2 1719 dihydrofolate reductase 4087 SMAD family member 2 11169 WD repeat and HMG-box DNA binding protein 1 332 baculoviral IAP repeat-containing 5 (survivin) 1719 dihydrofolate reductase 23516 solute carrier family 39 (zinc transporter), member 14 3070 helicase, lymphoid-specific 51474 LIM domain and actin binding 1 995 cell division cycle 25 homolog C (S. pombe) 8317 cell division cycle 27 homolog (S. cerevisiae) 2252 GATA binding protein 3 1117 chitinase 3-like 2
Th2 cells Th4 TeH TFH TFH TFH TFH TFH TFH TFH TFH TFH TF	PMCH AHI1 PTGIS AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 L26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 A1582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2 WDHD1 BIRC5 DHFR SLC39A14 HELLS LIMA1 CDC25C CDC7 GATA3 CHI3L2 CXCR13 MYO7A CHGB MYO7A	206942 s. at 220841 s. at 220841 s. at 208131 s. at 209717 at 211469 s. at 209717 at 211502 at 20997 at 216617 at 20997 s.	Hs 694729 Hs.38684 Hs.392085 Hs.386684 Hs.34526 Hs.656836 Hs.345684 Hs.34526 Hs.656836 Hs.57586 Hs.495467 Hs.495537 Hs.495834 Hs.65438, Hs.66737 Hs.495834 Hs.654438, Hs.66737 Hs.495834 Hs.654438, Hs.66737 Hs.495835 Hs.654385 Hs.598146 Hs.497741 Hs.654438, Hs.66737 Hs.495835 Hs.654438, Hs.66737 Hs.495835 Hs.49803 Hs.464734 Hs.34526 Hs.524534 Hs.54585 Hs.491323 Hs.6568530 Hs.5245454 Hs.5254134 Hs.53566	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10683 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1083 centromere protein F, 350/400ka (mitosin) 286 ankyrin 1, erythrocytic 107 adenylate cyclase 1 (prain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6332 small nuclear ribonucleoprotein D1 polypeptide 16kDa 10663 chemokine (C-X-C motif) receptor 6 9645 microtubule associated monoxygenase, calponin and LIM domain containing 2 1719 dihydrofolate reductase 4087 SMAD family member 2 11169 WD repeat and HMG-box DNA binding protein 1 332 baculoviral IAP repeat-containing 5 (survivin) 1719 dihydrofolate reductase 23516 solute carrier family 39 (zinc transporter), member 14 3070 helicase, lymphoid-specific 51474 LLIM domain and actin binding 1 995 cell division cycle 25 homolog C (S. pombe) 8317 cell division cycle 26 homolog C (S. pombe) 8317 cell division cycle 7 homolog (S. cerevisiae) 2625 GATA binding protein 3 1117 chitinase 3-like 2 10563 chemokine (C-X-C motif) ligand 13 (B-cell chemoattractant) 4647 myosin VIIA
Th2 cells Th4 cells Th5 cells Th5 cells Th6 Th6 Th7	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 LZ6 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 AI582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2 WDHD1 BIRC5 DHFR SLC39A14 HELLS LIMA1 CDC25C CDC7 GATA3 CHI3L2 CXCL13 MYO7A CHGB MYO7A CHGB	206942 s. at 220841 s. at 220841 s. at 2208131 s. at 220842 at 211469 s. at 220711 at 221569 at 221669 at 216617 at 220967 at 210617 at 203076 s. at 209172 s. at 209172 s. at 209363 s. at 213245 at 214373 at 214373 at 214272 at 205363 x. at 212472 at 205167 s. at 204728 s. at 212110 at 220855 at 21160324 x. at 212110 at 220856 at 2116034 x. at 212110 at 220856 at 217892 s. at 204510 at 205167 s. at 204510 at 205167 s. at 204510 at 205167 s. at 204510 at 208189 s. at 204260 at 208189 s. at 204260 at 208189 s. at 204210 at 208189 s. at 204210 at 208189 s. at 204260 at 208189 s. at 205167 x. at 204260 at 208189 s. at 2015167 x. at 204260 at 208189 s. at 2015167 x. at 204260 at 208189 s. at 2015167 x. at 204260 at 208189 s. at 205167 x. at 204260 at 210547 x. at 210	Hs 694729 Hs.38684 Hs.382684 Hs.392085 Hs.386684 Hs.34526 Hs.656836 Hs.366684 Hs.37586684 Hs.37586 Hs.497741 Hs.656438, Hs.66737 Hs.495834 Hs.12263, Hs.598146 Hs.497741 Hs.6564438, Hs.66737 Hs.498635, Hs.66737 Hs.498635, Hs.66737 Hs.498635, Hs.65455 Hs.42215 Hs.514527 Hs.648635, Hs.598146 Hs.38598 Hs.514527 Hs.648635, Hs.65455 Hs.12253, Hs.598146 Hs.3656830 Hs.514527 Hs.648635, Hs.65455 Hs.12253, Hs.598146 Hs.365933673 Hs.552419 Hs.6566 Hs.533573 Hs.524134 Hs.514840 Hs.10431 Hs.514840 Hs.10431 Hs.516874 Hs.516874	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein F, 350/400ka (mitosin) 286 ankyin 1, erythrocytic 107 adenylate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16kDa 1063 chemokine (C-X-C motif) receptor 6 9645 microtubule associated monoxygenase, calponin and LIM domain containing 2 1719 dihydrofolate reductase 4087 SMAD family member 2 11169 WD repeat and HIMG-box DNA binding protein 1 332 baculoviral IAP repeat-containing 5 (survivin) 1719 dihydrofolate reductase 23516 solute carrier family 39 (zinc transporter), member 14 3070 helicase, lymphoid-specific 51474 LIM domain and actin binding 1 995 cell division cycle 25 homolog C (S. pombe) 8317 cell division cycle 25 homolog C (S. pombe) 8317 cell division cycle 7 homolog (S. cerevisiae) 2625 GATA binding protein 3 1117 chitinase 3-like 2 10563 chemokine (C-X-C motif) ligand 13 (B-cell chemoattractant) 4647 myosin VIIA 3332 siet cell autoantigen 1, 69kDa
Th2 cells Th4 cells Th5 cells Th5 cells Th6 Th6 Th7	PMCH AHI1 PTGIS AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 L26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 A1582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2 UDHD1 BIRC5 DHFR SLC39A14 HELLS LIMA1 CDC25C CDC7 GATA3 CHI3L2 CXCL13 MYO7A CHGB MYO7A ICA1	206942 s. at 220841 s. at 208131 s. at 209717 at 211469 s. at 209717 at 211469 s. at 209717 at 201502 at 20987 s. at 209972 s. at 209972 s. at 209972 s. at 209974 at 208363 x. at 214373 at 207509 s. at 204728 s. at 209974 s. at 209974 s. at 209974 s. at 209975 s. a	Hs 694729 Hs.38684 Hs.392085 Hs.386884 Hs.34526 Hs.656836 Hs.336684 Hs.37586 Hs.49741 Hs.49557 Hs.495537 Hs.495537 Hs.495834 Hs.666436 Hs.497741 Hs.6654436, Hs.66737 Hs.495834 Hs.5192215 Hs.6565175 Hs.495836 Hs.5192215 Hs.6565175 Hs.498635, Hs.66455 Hs.498635, Hs.65455 Hs.192215 Hs.6565175 Hs.491232 Hs.6565830 Hs.526419 Hs.6565830 Hs.526419 Hs.6565641 Hs.533573 Hs.526419 Hs.6565641 Hs.533573 Hs.526419 Hs.6566 Hs.533573 Hs.524134 Hs.514840 Hs.514840 Hs.514840 Hs.516874 Hs.510421 Hs.570421 Hs.370421 Hs.370421 Hs.370421 Hs.370421 Hs.370421 Hs.370421 Hs.370421 Hs.370421 Hs.370421	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin 12 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 1 55801 interleukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5521 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein F, 350/400ka (mitosin) 286 ankyin 1, erythrocytic 107 adenylate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16kDa 10663 chemokine (C-X-C motif) receptor 6 9645 microtubule associated monoxygenase, calponin and LIM domain containing 2 1179 dihydrofolate reductase 4087 SMAD family member 2 11169 WD repeat and HMG-box DNA binding protein 1 332 baculoviral IAP repeat-containing 5 (survivin) 1719 dihydrofolate reductase 23516 solutiva carrier family 39 (zino transporter), member 14 3070 helicase, lymphoid-specific 51474 LIM domain and actin binding 1 995 cell division cycle 7 homolog (S. cerevisiae) 8216 Schotuc carrier family 39 (zino transporter), member 14 3070 helicase, lymphoid-specific 51474 LIM domain and actin binding 1 1995 cell division cycle 25 homolog C (S. pombe) 8317 cell division cycle 7 homolog (S. cerevisiae) 4267 GATA binding protein 3 1117 chitinase 3-like 2 10563 chemokine (C-X-C motif) freceptor 6 10683 chemokine (C-X-C motif) receptor 6 10885 cyclydin-dependent finase 5, regulatory subunit 1 (p35)
Th2 cells Th4 cells Th5 cells Th5 TFH	PMCH AHI1 PTGIS AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 LL26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 A1582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2 WDHD1 BIRC5 DHFR SLC39A14 HELLS LIMA1 CDC25C CDC7 GATA3 MYO7A ICA1 MYO7A ICA1 HEY1 CDK5F1 ST8SIA1	206942 s. at 220841 s. at 220841 s. at 2208131.s. at 220842.at 211469 s. at 220967.at 221569 at 220967.at 202967.at 202967.at 202967.at 202967.at 203076 s. at 209172 s. at 201373.at 202697.at 202554 x. at 2025691.at 202554 x. at 2025697.at 2025750 s. at 202697.at 2025750 s. at 202697.at 2025750 s. at 202697.at 202575 s. at 202697.at 202575 s. at 202697.at 202575 s. at 202697.at 203077.s. at 202697.at 203077.s. at 202697.at 203077.s. at 203077.	Hs 694729 Hs.38684 Hs.382684 Hs.36684 Hs.34526 Hs.686836 Hs.386684 Hs.34526 Hs.686836 Hs.386684 Hs.372350 Hs.517586 Hs.495834 Hs.495834 Hs.12255, Hs.598146 Hs.497741 Hs.65438, Hs.66737 Hs.192215 Hs.655175 Hs.6565175 Hs.6585175 Hs.6585175 Hs.6585175 Hs.658635 Hs.654734 Hs.34526 Hs.501928 Hs.648635, Hs.65455 Hs.12253, Hs.598146 Hs.385998 Hs.648635, Hs.65455 Hs.491232 Hs.648635, Hs.65455 Hs.491232 Hs.655830 Hs.525419 Hs.525419 Hs.533673 Hs.524144 Hs.510431 Hs.370421 Hs.570421 Hs.370421 Hs.370421 Hs.370421 Hs.370421 Hs.370421 Hs.475651 Hs.487651 Hs.487651	5367 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin I2 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SIMAD family member 2 1063 centromere protein F, 350/400ka (mitosin) 286 ankyin 1, erythrocytic 107 adenylate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6832 small nuclear ribonucleoprotein D1 polypeptide 16kDa 10663 chemokine (C-X-C motif) receptor 6 9645 microtubule associated monoxygenase, calponin and LIM domain containing 2 1719 dihydrofolate reductase 4087 SIMAD family member 2 11169 WD repeat and HMG-box DNA binding protein 1 332 baculoviral IAP repeat-containing 5 (survivin) 1719 dihydrofolate reductase 23516 solute carrier family 39 (zinc transporter), member 14 3307 heliciase, lymphoid-specific 51474 LIM domain and actin binding 1 995 cell division cycle 25 homolog C (S. pombe) 3317 cell division cycle 25 homolog C (S. pombe) 3317 cell division cycle 25 homolog (S. cerevisiae) 2625 GATA binding protein 3 1117 chilinase 3-like 2 10563 chemokine (C-X-C motif) ligand 13 (B-cell chemoattractant) 4647 myosin VIIA 332 laste cell autoantigen 1, 69kDa 23462 hairy/enhancer-of-split related with YRPW motif 1 8851 cyclim-dependent kinase 5, regulatory, subunit 1 (p35) 6489 ST8 alpha-N-accely-neuraminide alpha-2,8-sialyltransferase 1
Th2 cells Th4 cells Th4 cells Th5 cells Th5 cells Th6 Th7 cells Th	PMCH AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 L26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 AJ582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2 UPHR SMAD2 CENPF ANK1 CYCR6 MICAL2 CHRP SMAD2 CHRP SLC39A14 HELLS LIMA1 CDC25C CDC7 GATA3 CHI3L2 CXCL13 MYO7A CHGB MYO7A CHGB MYO7A CHGB MYO7A CHGB MYO7A CHGB STBSIA1 PDCD1 BLR1	206942 s. at 220841 s. at 220843 s. at 220844 s. at 211469 s. at 220747, at 221569 at 221679 at 202967 at 210617 at 203076 s. at 209172 s. at 202967 at 210617 at 203076 s. at 209172 s. at 209863 at 213245 at 214373 at 214373 at 206974 at 212472 at 205363 x. at 213245 at 21210 at 205167 s. at 204728 s. at 21210 at 205167 s. at 204728 s. at 21210 at 220855 at 217892 s. at 204510 at 208189 s. at 21210734 x. at 208189 s. at 21210734 x. at 20480 s. at 204818 s. at 21210734 x. at 204808 s. at 210577 x. at 204809 s. at 210677 x. at 210873 x. at 204899 s. at 210073 at 204899 s. at 210073 at 216734 s. at 216734	Hs 694729 Hs.38684 Hs.392085 Hs.386884 Hs.362081 Hs.34526 Hs.656836 Hs.386684 Hs.345687 Hs.57586 Hs.497741 Hs.656438, Hs.66737 Hs.495834 Hs.12223, Hs.598146 Hs.497741 Hs.6564438, Hs.66737 Hs.495834 Hs.5192215 Hs.6865175 Hs.498635, Hs.66737 Hs.498635, Hs.68737 Hs.59215 Hs.648635, Hs.65455 Hs.19228 Hs.648635, Hs.65455 Hs.19228 Hs.648635, Hs.65455 Hs.19232 Hs.656830 Hs.514527 Hs.648635, Hs.65455 Hs.52531414 Hs.514840 Hs.100431 Hs.524134 Hs.514840 Hs.100431 Hs.370421 Hs.516874 Hs.370421 Hs.516874 Hs.370421 Hs.487561 Hs.3297 Hs.491015	5367 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin I2 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nei endonuclease VIII-like 3 (E. coli) 2941 glutathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein F, 350400ka (mitosin) 286 ankyrin 1, erythrocytic 1077 adenylate cyclase 1 (forain) 728210 hypothetical protein LOC728210 3994 leukocyte-associated immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16kDa 10663 chemokine (C-X-C motif) receptor 6 9454 microtubule associated monoxygenase, calponin and LIM domain containing 2 1719 dihydrofolate reductase 4087 SMAD family member 2 11169 WD repeat and HMG-box DNA binding protein 1 332 baculoviral IAP repeat-containing 5 (survivin) 1179 dihydrofolate reductase 23516 solute carrier family 39 (zinc transporter), member 14 3070 helicase, lymphoid-specific 1367 solute carrier family 39 (zinc transporter), member 14 3070 helicase, lymphoid-specific 1374 LIM domain and actin binding 1 995 cell division cycle 25 homolog C (S. pombe) 8317 cell division cycle 7 homolog (S. cerevisiae) 2625 GATA binding protein 3 1117 chitinase 3-like 2 10563 chemokine (C-X-C motif) ligand 13 (B-cell chemoattractant) 4647 myosin VIIA 3382 Islet cell autoantigen 1, 69kDa 23462 hairylenhancer-of-split related with YRPW motif 1 8851 cyclin-dependent risae 5, regulatory subunit 1 (p35) 6489 ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1 5133 programmed cell death 1 643 Burkti tymphoma receptor 1, GTP binding protein (chemokine (C-X-C motif) receptor 5)
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Th2 cells Th4 cells Th4 cells Th5 cells Th5 cells Th7 ce	PMCH AHI1 PTGIS AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 LL26 MB NEIL3 GSTA4 PHEX SMAD2 CENPP ANK1 ADCY1 A1582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2 WDHD1 BIRC5 DHFR SLC39A14 HELLS LIMA1 CDC25C CDC7 GATA3 MYO7A CHGB MYO7A ICA1 HEY1 CDK5R1 ST8SIA1 PDCD1 BLR1 ST8SIA1 PDCD1 BLR1 ST8SIA1 PDCD1 BLR1 KIAA1324 PVALB	206942 s. at 220841 s. at 220841 s. at 2208131.s. at 220842.at 211469 s. at 2209747. at 221569 at 220967 at 200967.at 200972 s. at 200972 s. at 200972 s. at 200974 at 213245 at 214373 at 200974 at 212472 at 200536 s. at 200972 s. at 200974 at 212472 at 200978 s. at 204878 s. at 212470 at 200978 s. at 204878 s. at 212479 s. at 210334 s. at 205167 s. at 209802 s. at 205467 s. at 209802 s. at 205467 s. at 213080 s. at 205467 s. at 213080 s. at 212474 s. at 224263 at 224274 s. at 227349 s. at 22	Hs 694729 Hs. 384729 Hs. 38684 Hs. 382684 Hs. 34526 Hs. 386684 Hs. 34526 Hs. 656836 Hs. 386684 Hs. 38250 Hs. 517586 Hs. 495834 Hs. 495834 Hs. 12253, Hs. 598146 Hs. 497741 Hs. 654438, Hs. 66737 Hs. 192215 Hs. 6545175 Hs. 654383 Hs. 464734 Hs. 549226 Hs. 501928 Hs. 48635, Hs. 65455 Hs. 491232 Hs. 48635, Hs. 65455 Hs. 491232 Hs. 648635, Hs. 65455 Hs. 491232 Hs. 658630 Hs. 525419 Hs. 525419 Hs. 533673 Hs. 524134 Hs. 516874 Hs. 370421 Hs. 570421 Hs. 370421 Hs. 37	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin I2 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nel endonuclease VIII-like 3 (E. coll) 2941 glutathione S-transferase Ad 2521 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein Fr, 350440ka (mitosin) 286 ankyrin 1, erythrocytic 107 adenyate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16kDa 10663 chemokine (C-X-C motif) receptor 6 9645 microtubule associated momonglobulin-like receptor 2 11169 WD repeat and HMG-box DNA binding protein 1 332 baculoviral IAP repeat-containing 5 (survivin) 1719 dihydrofolate reductase 23516 solute carrier family 39 (zinc transporter), member 14 3070 helicase, lymphoid-specific 51474 LIM domain and actin binding 1 995 cell division cycle 25 homolog C (S. pombe) 3317 cell division cycle 25 homolog C (S. pombe) 3317 cell division cycle 25 homolog C (S. pombe) 3317 cell division cycle 25 homolog C (S. pombe) 3317 cell division cycle 25 homolog C (S. pombe) 3317 cell division cycle 25 homolog C (S. pombe) 3318 izelf cell autoantigen 1, 69kDa 3328 izelf cell autoantigen 1, 69kDa 5382 izelf cell autoantigen 1, 69kDa 5382 izelf cell autoantigen 1, 69kDa
Th2 cells Th4 cells Th5 cells Th5 cells Th6 cells Th7 ce	PMCH AHI1 PTGIS AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 L26 MB NEIL3 GSTA4 PHEX SMAD2 CENPF ANK1 ADCY1 AI582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2 WDHD1 BIRC5 DHFR SLC39A14 HELLS LIMA1 CDC25C CDC7 GATA3 CHI3L2 CXCL13 MYO7A CHGB MYO7A ICA1 CDK5R1 ST8SIA1 PDCD1 BLR1 CDK5R1 ST8SIA1 PDCD1 BLR1 KIAA1324 PVALB ICA1 IMA1224 PVALB ICA1 IMA1224 IMA1324 PVALB ICA1 IMA1324	206942 s. at 220841 s. at 220841 s. at 2208131 s. at 2208131 s. at 2208131 s. at 2208131 s. at 220842 at 211469 s. at 220977, at 221569 at 220967 at 202967 at 202967 at 202967 at 203076 s. at 209172 s. at 208153 x. at 208153 x. at 208153 x. at 208153 x. at 207509 s. at 202691 at 207509 s. at 202691 at 209778 s. at 2010334 x. at 48808 at 212110 at 22085 at 212472 at 202534 x. at 209602 s. at 213060 s. at 213060 s. at 213060 s. at 213073 at 204510 at 205342 at 2091547 x. at 208189 s. at 2016547 x. at 208189 s. at 210734 at 209534 at 210734 at 208195 at 210734 at 208195 at 207634 at 208195 at 207634 at 208195 at 207634 at 208195 at	Hs 694729 Hs. 38684 Hs. 38684 Hs. 382684 Hs. 34526 Hs. 386684 Hs. 34526 Hs. 65836 Hs. 386684 Hs. 34526 Hs. 65836 Hs. 57586 Hs. 47586 Hs. 47586 Hs. 47586 Hs. 47586 Hs. 4774 Hs. 18253, Hs. 598146 Hs. 487741 Hs. 654438, Hs. 66737 Hs. 192215 Hs. 655175 Hs. 655175 Hs. 655175 Hs. 6586175 Hs. 43803 Hs. 464734 Hs. 34526 Hs. 501928 Hs. 648835, Hs. 598146 Hs. 385998 Hs. 514527 Hs. 658530 Hs. 5254134 Hs. 514527 Hs. 65866 Hs. 5254134 Hs. 514840 Hs. 530573 Hs. 524134 Hs. 510431 Hs. 370421 Hs. 570421 Hs. 570421 Hs. 570421 Hs. 570421 Hs. 570421 Hs. 570421 Hs. 570614 Hs. 370421 Hs. 570614 Hs. 370421 Hs. 570614 Hs. 370421 Hs. 526449 Hs. 487661 Hs. 487661 Hs. 487661 Hs. 487661 Hs. 487661 Hs. 564479 Hs. 686449 Hs. 682705 Hs. 648761 Hs. 648705 Hs.	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin I2 (prostacyclin) synthase 54806 Abelson helper integration site 1 1083 chemokine (C-X-C motif) receptor 6 7813 ecotopic viral integration site 3 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nel endonuclease VIII-like 3 (E. coli) 2241 fjultathione S-transferase A4 5251 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1083 centromere protein F, 350/400ka (mitosin) 286 ankyiri 1, erythrocytic 107 adenylate cyclase 1 (frain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated Immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16kDa 10863 chemokine (C-X-C motif) receptor 6 94645 microtubule associated monoxygenase, calponin and LIM domain containing 2 11196 dilydrofolate reductase 4087 SMAD family member 2 11198 WD repeat and HMG-box DNA binding protein 1 332 baculoviral IAP repeat-containing 5 (survivin) 1719 dihydrofolate reductase 23516 soulcy carle fraining 30 (zinc transporter), member 14 3070 helicase, lymphoid-specific 51474 LIM domain and carli binding 1 995 cell division cycle 25 homolog C (S. pombe) 3317 cell division cycle 27 homolog G (S. cerevisiae) 2326 SATA binding protein 3 1117 chitinase 3-like 2 10863 chemokine (C-X-C motif) ligand 13 (B-cell chemoattractant) 4447 myosin VIIA 4847 myosin VIIA 4851 pan-Nacetyl-neuraminde alpha-2,8-sialyltransferase 1 5851 soulch-dependent kinase 5 - regulated with YRPW motif 1 8851 cyclin-dependent kinase 5 - regulated with YRPW motif 1 8851 cyclin-dependent kinase 5 - regulated ysibny submit 1 (p.55) 6438 ST8 alpha-Nacetyl-neuraminde alpha-2,8-sialyltransferase 1 5851 programmed cell death 1 643 Burkti lymphoma receptor 1, GTP binding protein (chemokine (C-X-C motif) receptor 5) 57636 KIAA1524
Th2 cells Th4 cells Th4 cells Th5 cells Th5 cells Th7 ce	PMCH AHI1 PTGIS AHI1 PTGIS AHI1 CXCR6 EVI5 AHI1 LL26 MB NEIL3 GSTA4 PHEX SMAD2 CENPP ANK1 ADCY1 A1582773 LAIR2 SNRPD1 CXCR6 MICAL2 DHFR SMAD2 WDHD1 BIRC5 DHFR SLC39A14 HELLS LIMA1 CDC25C CDC7 GATA3 MYO7A CHGB MYO7A ICA1 HEY1 CDK5R1 ST8SIA1 PDCD1 BLR1 ST8SIA1 PDCD1 BLR1 ST8SIA1 PDCD1 BLR1 KIAA1324 PVALB	206942 s. at 220841 s. at 220841 s. at 220841 s. at 220842 at 211469 s. at 220942 at 221569 at 221569 at 220967 at 20267 at 202674 at	Hs 694729 Hs. 384729 Hs. 38684 Hs. 382684 Hs. 34526 Hs. 386684 Hs. 34526 Hs. 656836 Hs. 386684 Hs. 38250 Hs. 517586 Hs. 495834 Hs. 495834 Hs. 12253, Hs. 598146 Hs. 497741 Hs. 654438, Hs. 66737 Hs. 192215 Hs. 6545175 Hs. 654383 Hs. 464734 Hs. 549226 Hs. 501928 Hs. 48635, Hs. 65455 Hs. 491232 Hs. 48635, Hs. 65455 Hs. 491232 Hs. 648635, Hs. 65455 Hs. 491232 Hs. 658630 Hs. 525419 Hs. 525419 Hs. 533673 Hs. 524134 Hs. 516874 Hs. 370421 Hs. 570421 Hs. 370421 Hs. 37	5387 pro-melanin-concentrating hormone 54806 Abelson helper integration site 1 5740 prostaglandin I2 (prostacyclin) synthase 54806 Abelson helper integration site 1 10663 chemokine (C-X-C motif) receptor 6 7813 ecotropic viral integration site 5 54806 Abelson helper integration site 1 55801 interleukin 26 4151 myoglobin 55247 nel endonuclease VIII-like 3 (E. coll) 2941 glutathione S-transferase Ad 2521 phosphate regulating endopeptidase homolog, X-linked (hypophosphatemia, vitamin D resistant rickets) 4087 SMAD family member 2 1063 centromere protein Fr, 350440ka (mitosin) 286 ankyrin 1, erythrocytic 107 adenyate cyclase 1 (brain) 728210 hypothetical protein LOC728210 3904 leukocyte-associated immunoglobulin-like receptor 2 6632 small nuclear ribonucleoprotein D1 polypeptide 16kDa 10663 chemokine (C-X-C motif) receptor 6 9645 microtubule associated momonglobulin-like receptor 2 11169 WD repeat and HMG-box DNA binding protein 1 332 baculoviral IAP repeat-containing 5 (survivin) 1719 dihydrofolate reductase 23516 solute carrier family 39 (zinc transporter), member 14 3070 helicase, lymphoid-specific 51474 LIM domain and actin binding 1 995 cell division cycle 25 homolog C (S. pombe) 3317 cell division cycle 25 homolog C (S. pombe) 3317 cell division cycle 25 homolog C (S. pombe) 3317 cell division cycle 25 homolog C (S. pombe) 3317 cell division cycle 25 homolog C (S. pombe) 3317 cell division cycle 25 homolog C (S. pombe) 3318 izelf cell autoantigen 1, 69kDa 3328 izelf cell autoantigen 1, 69kDa 5382 izelf cell autoantigen 1, 69kDa 5382 izelf cell autoantigen 1, 69kDa

TFH	BLR1	206126_at	Hs.113916	643 Burkitt lymphoma receptor 1, GTP binding protein (chemokine (C-X-C motif) receptor 5)
TFH	SLC7A10	220868_s_at	Hs.58679	56301 solute carrier family 7, (neutral amino acid transporter, y+ system) member 10
TFH TFH	SMAD1 POMT1	210993_s_at 218476_at	Hs.522449	4086 SMAD family member 1  10585 protein-O-mannosyltransferase 1
TFH TFH	PASK MKL2	216945_x_at 218259_at	Hs.694813 Hs.592047	23178 PAS domain containing serine/threonine kinase 57496 MKL/myocardin-like 2
TFH	PTPN13	204201_s_at	Hs.436142	5783 protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)
TFH TFH	PASK KCNK5	213534_s_at 219615_s_at		23178 PAS domain containing serine/threonine kinase 8645 potassium channel, subfamily K, member 5
<mark>TFH</mark> TFH	C18orf1 ZNF764	207996_s_at 57516_at	Hs.149363 Hs.132227	753 chromosome 18 open reading frame 1 92595 zinc finger protein 764
TFH	MAF	206363_at	Hs.134859	4094 v-maf musculoaponeurotic fibrosarcoma oncogene homolog (avian)
TFH TFH	MYO6 SIRPG	210480_s_at 220485_s_at		4646 myosin VI 55423 signal-regulatory protein gamma
TFH	THADA	54632_at	Hs.369592	63892 thyroid adenoma associated
TFH TFH	THADA MAGEH1	220212_s_at 218573_at	Hs.369592 Hs.279819	63892 thyroid adenoma associated 28986 melanoma antigen family H, 1
TFH TFH	B3GAT1 MAF	219521_at 209348_s_at	Hs.381050	27087 beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P) 4094 v-maf musculoaponeurotic fibrosarcoma oncogene homolog (avian)
TFH	SH3TC1	219256_s_at	Hs.479116	54436 SH3 domain and tetratricopeptide repeats 1
TFH TFH	HIST1H4K STK39	214463_x_at 202786_at	Hs.528055 Hs.276271	8362 histone cluster 1, H4k  27347 serine threonine kinase 39 (STE20/SPS1 homolog, yeast)
Th17 cells	IL17A	208402_at	Hs.41724	3605 interleukin 17A
Th17 cells Th17 cells	IL17A IL17RA	216876_s_at 205707_at	Hs.41724 Hs.129751	3605 interleukin 17A 23765 interleukin 17 receptor A
Th17 cells TReg	FOXP3	206419_at 221333_at	Hs.256022, Hs.60799 Hs.247700	6097 RAR-related orphan receptor C 50943 forkhead box P3
TReg	FOXP3	221334_s_at	Hs.247700	50943 forkhead box P3
CD8 T cells CD8 T cells	CD8B CD8A	207979_s_at 205758_at	Hs.405667 Hs.85258	926 CD8b molecule 925 CD8a molecule
CD8 T cells CD8 T cells	CD8B PF4	215332_s_at 206390_x_at	Hs.405667	926 CD8b molecule
CD8 T cells	PRR5	47069_at	Hs.102336	5196 platelet factor 4 (chemokine (C-X-C motif) ligand 4) 55615 proline rich 5 (renal)
CD8 T cells CD8 T cells	SF1 LIME1	210172_at 219541_at	Hs.502829 Hs.233220	7536 splicing factor 1 54923 Lok interacting transmembrane adaptor 1
CD8 T cells	DNAJB1	200664_s_at	Hs.515210	3337 DnaJ (Hsp40) homolog, subfamily B, member 1
CD8 T cells CD8 T cells	ARHGAP8 GZMM	219168_s_at 207460_at	Hs.465511	55615 proline rich 5 (renal) 3004 granzyme M (lymphocyte met-ase 1)
CD8 T cells CD8 T cells	SLC16A7 SFRS7	207057_at 213649_at	Hs.439643 Hs.309090	9194 solute carrier family 16, member 7 (monocarboxylic acid transporter 2) 6432 splicing factor, arginine/serine-rich 7, 35kDa
CD8 T cells	APBA2	209871_s_at	Hs.618112	321 amyloid beta (A4) precursor protein-binding, family A, member 2 (X11-like)
CD8 T cells CD8 T cells	C4orf15 LEPROTL1	210054_at 202595_s_at		79441 chromosome 4 open reading frame 15 23484 leptin receptor overlapping transcript-like 1
CD8 T cells CD8 T cells	ZFP36L2 GADD45A	201367_s_at 203725_at	Hs.503093, Hs.64506 Hs.80409	678 zinc finger protein 36, C3H type-like 2  1647 growth arrest and DNA-damage-inducible, alpha
CD8 T cells	ZFP36L2	201369_s_at	Hs.503093, Hs.64506	678 zinc finger protein 36, C3H type-like 2
CD8 T cells CD8 T cells	MYST3 ZEB1	216361_s_at 208078_s_at	Hs.124503	7994 MYST histone acetyltransferase (monocytic leukemia) 3 6935 zinc finger E-box binding homeobox 1
CD8 T cells CD8 T cells	ZNF609 C12orf47	212620_at 64432_at	Hs.595451, Hs.68343 Hs.333120	23060 zinc finger protein 609 51275 chromosome 12 open reading frame 47
CD8 T cells CD8 T cells	THUMPD1 VAMP2	206555_s_at 201557_at	Hs.460232 Hs.25348	55623 THUMP domain containing 1 6844 vesicle-associated membrane protein 2 (synaptobrevin 2)
CD8 T cells	ZNF91	206059_at	Hs.654471	7644 zinc finger protein 91
CD8 T cells CD8 T cells	ZNF22 TMC6	218006_s_at 214958_s_at	Hs.462693, Hs.65512 Hs.632227	7570 zinc finger protein 22 (KOX 15) 11322 transmembrane channel-like 6
CD8 T cells CD8 T cells	DNAJB1 FLT3LG	200666_s_at 210607_at	Hs.515210 Hs.428	3337 DnaJ (Hsp40) homolog, subfamily B, member 1 2323 fms-related tyrosine kinase 3 ligand
CD8 T cells	CDKN2AIP	218929_at	Hs.644077	55602 CDKN2A interacting protein
CD8 T cells CD8 T cells	TSC22D3 TBCC	207001_x_at 202495_at	Hs.522074 Hs.75064	1831 TSC22 domain family, member 3 6903 tubulin folding cofactor C
CD8 T cells CD8 T cells	RBM3 ABT1	208319_s_at 218405_at	Hs.301404 Hs.254406	5935 RNA binding motif (RNP1, RRM) protein 3 29777 activator of basal transcription 1
CD8 T cells	C19orf6	212574_x_at	Hs.515003	91304 chromosome 19 open reading frame 6
CD8 T cells CD8 T cells	CAMLG PPP1R2	203538_at 202165_at	Hs.529846 Hs.535731	819 calcium modulating ligand 5504 protein phosphatase 1, regulatory (inhibitor) subunit 2
CD8 T cells CD8 T cells	AES KLF9	217729_s_at 203543 s at	Hs.515053 Hs.150557, Hs.60226	166 amino-terminal enhancer of split 687 Kruppel-like factor 9
CD8 T cells	PRF1 TRD@	214617_at 217143_s_at	Hs.2200	5551 perforin 1 (pore forming protein) 6964 T cell receptor delta locus
Tgd Tgd	TARP	211144_x_at	Hs.534032	445347 TCR gamma alternate reading frame protein
Tgd Tgd	C1orf61 TRGV9	205103_at 209813_x_at	Hs.380027 Hs.534032	10485 chromosome 1 open reading frame 61 6983 T cell receptor gamma variable 9
Tgd	CD160 TARP	207840_at	Hs.488237	11126 CD160 molecule 445347 TCR gamma alternate reading frame protein
<mark>Tgd</mark> Tgd	FEZ1	216920_s_at 203562_at	Hs.224008	9638 fasciculation and elongation protein zeta 1 (zygin I)
Cytotoxic cells Cytotoxic cells	KLRD1 KLRF1	210606_x_at 220646 s at		3824 killer cell lectin-like receptor subfamily D, member 1 51348 killer cell lectin-like receptor subfamily F, member 1
Cytotoxic cells Cytotoxic cells	GNLY GNLY	37145_at 205495_s_at	Hs.105806 Hs.105806	10578 granulysin 10578 granulysin
Cytotoxic cells	CTSW	214450_at	Hs.416848	1521 cathepsin W
Cytotoxic cells Cytotoxic cells	KLRB1 KLRD1	214470_at 207795_s_at		3820 killer cell lectin-like receptor subfamily B, member 1  3824 killer cell lectin-like receptor subfamily D, member 1
Cytotoxic cells Cytotoxic cells	KLRK1 NKG7	205821_at 213915_at	Hs.387787 Hs.10306	22914 killer cell lectin-like receptor subfamily K, member 1 4818 natural killer cell group 7 sequence
Cytotoxic cells	GZMH	210321_at	Hs.348264	2999 granzyme H (cathepsin G-like 2, protein h-CCPX)
Cytotoxic cells Cytotoxic cells	KLRD1 SIGIRR	207796_x_at 218921_at	Hs.562457 Hs.501624	3824 killer cell lectin-like receptor subfamily D, member 1 59307 single immunoglobulin and toll-interleukin 1 receptor (TIR) domain
Cytotoxic cells Cytotoxic cells	ZBTB16 RUNX3	205883_at 204198_s_at	Hs.591945, Hs.68214 Hs.170019	7704 zinc finger and BTB domain containing 16 864 runt-related transcription factor 3
Cytotoxic cells	APOL3	221087_s_at	Hs.474737	80833 apolipoprotein L, 3
Cytotoxic cells Cytotoxic cells	RORA APBA2	210426_x_at 209870_s_at	Hs.618112	6095 RAR-related orphan receptor A  321 amyloid beta (A4) precursor protein-binding, family A, member 2 (X11-like)
Cytotoxic cells Cytotoxic cells	SIGIRR WHDC1L1	52940_at 213908_at	Hs.501624 Hs.212670, Hs.65530	59307 single immunoglobulin and toll-interleukin 1 receptor (TIR) domain 339005 WAS protein homology region 2 domain containing 1-like 1
Cytotoxic cells Cytotoxic cells	DUSP2 GZMA	204794_at 205488_at	Hs.1183 Hs.90708	1844 dual specificity phosphatase 2 3001 granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)
NK cells	LOC643313	211050_x_at	Hs.676949	643313 similar to hypothetical protein LOC284701
NK cells NK cells	GAGE2 ZNF747	207739_s_at 206180_x_at		2574 G antigen 2 65988 zinc finger protein 747
NK cells	XCL1	206366_x_at	Hs.546295	6375 chemokine (C motif) ligand 1
NK cells NK cells	XCL2 AF107846	214567_s_at 217058_at	Hs.125898	6846 chemokine (C motif) ligand 2 2778 GNAS complex locus
NK cells NK cells	SLC30A5 NM_014114	220181_x_at 220691_at	Hs.631975 Hs.654698	64924 solute carrier family 30 (zinc transporter), member 5 259230 sphingomyelin synthase 1
NK cells NK cells	MCM3AP TBXA2R	215582_x_at	Hs.389037	8888 minichromosome maintenance complex component 3 associated protein
NK cells	CDC5L	207555_s_at 209057_x_at	Hs.485471	6915 thromboxane A2 receptor 988 CDC5 cell division cycle 5-like (S. pombe)
NK cells NK cells	LOC730096 FUT5	215182_x_at 211225_at	Hs.572908 Hs.631843	730096 hypothetical protein LOC730096 2527 fucosyltransferase 5 (alpha (1,3) fucosyltransferase)
NK cells	FGF18 MRC2	206986_at 209280_at	Hs.87191 Hs.7835	8817 fibroblast growth factor 18
NK cells NK cells	RP5-886K2.1	208014_x_at		9902 mannose receptor, C type 2 27308 neuronal thread protein AD7c-NTP
NK cells NK cells	SPN PSMD4	216981_x_at 210459_at	Hs.632188 Hs.505059	6693 sialophorin (leukosialin, CD43) 5710 proteasome (prosome, macropain) 26S subunit, non-ATPase, 4
NK cells NK cells	PRX FZR1	220024_s_at 209415_at	Hs.205457 Hs.413133	57716 periaxin  51343 fizzy/cell division cycle 20 related 1 (Drosophila)

NK cells	ZNF205	206416_at	Hs.592088	7755 zinc finger protein 205
NK cells	AL080130	212972_x_at		323
NK cells NK cells	ZNF528 MAPRE3	215019_x_at 203842_s_at		84436 zinc finger protein 528  22924 microtubule-associated protein, RP/EB family, member 3
NK cells	BCL2	207004_at	Hs.150749	596 B-cell CLL/lymphoma 2
NK cells NK cells	NM_017616 ARL6IP2	221068_at 217580_x_at	Hs.284208 Hs.190440	25959 ankyrin repeat domain 25 64225 ADP-ribosylation factor-like 6 interacting protein 2
NK cells NK cells	SPN FZR1	206057_x_at 211865 s at		6693 sialophorin (leukosialin, CD43) 51343 fizzy/cell division cycle 20 related 1 (Drosophila)
NK cells	PDLIM4	214174_s_at	Hs.424312	8572 PDZ and LIM domain 4
NK cells NK cells	NM_014274 LDB3		Hs.302740, Hs.63896 Hs.657271	55503 transient receptor potential cation channel, subfamily V, member 6  11155 LIM domain binding 3
NK cells	ADARB1	209979_at	Hs.474018	104 adenosine deaminase, RNA-specific, B1 (RED1 homolog rat)
NK cells NK cells	SMEK1 TCTN2	215607_x_at 206438_x_at	Hs.533887 Hs 167165	55671 SMEK homolog 1, suppressor of mek1 (Dictyostelium) 79867 tectonic family member 2
NK cells	TINAGL1	219058_x_at	Hs.199368	64129 tubulointerstitial nephritis antigen-like 1
NK cells NK cells	IGFBP5 ALDH1B1	203426_s_at 209646_x_at		3488 insulin-like growth factor binding protein 5 219 aldehyde dehydrogenase 1 family, member B1
NK cells	NCR1	217095_x_at	Hs.97084	9437 natural cytotoxicity triggering receptor 1
NK cells NK cells	NCR1 NCR1	217088_s_at 207860_at	Hs.97084 Hs.97084	9437 natural cytotoxicity triggering receptor 1 9437 natural cytotoxicity triggering receptor 1
NK CD56dim cells	KIR3DL2	207314_x_at	Hs.645228, Hs.64553	3812 killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2
NK CD56dim cells NK CD56dim cells	KIR3DL2 SPON2	216907_x_at 218638_s_at	Hs.645228, Hs.64553 Hs.302963	3812 killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2  10417 spondin 2, extracellular matrix protein
NK CD56dim cells	KIR2DL3	208179_x_at	Hs.654605, Hs.65460	3804 killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3
NK CD56dim cells NK CD56dim cells	GZMB KIR3DS1	210164_at 211389_x_at	Hs.659860, Hs.66110	3002 granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1) 3813 killer cell immunoglobulin-like receptor, three domains, short cytoplasmic tail, 1
NK CD56dim cells	KIR3DL1	211687_x_at	Hs.645228	3811 killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1
NK CD56dim cells NK CD56dim cells	FLJ20699 TMEPAI	216434_at 217875_s_at	Hs.435832 Hs.517155	55020 hypothetical protein FLJ20699  56937 transmembrane, prostate androgen induced RNA
	KIR3DL2	211688_x_at 221658 s at	Hs.645228, Hs.64553	3812 killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2
	IL21R KIR3DL2		Hs.645228, Hs.64553	50615 interleukin 21 receptor 3812 killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2
NK CD56dim cells	KIR3DL3	216676_x_at		115653 killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 3
NK CD56dim cells	KIR2DS5 KIR2DS2		Hs.512572, Hs.65460	3810 killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 5 3807 killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 2
NK CD56dim cells	GTF3C1 KIR2DS1		Hs.371718	2975 general transcription factor IIIC, polypeptide 1, alpha 220kDa
NK CD56dim cells NK CD56dim cells	EDG8	221417_x_at	Hs.501561	3806 killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 1 53637 endothelial differentiation, sphingolipid G-protein-coupled receptor, 8
NK CD56bright cells NK CD56bright cells	DUSP4		Hs.417962	1846 dual specificity phosphatase 4 6236 Ras-related associated with diabetes
NK CD56bright cells	XCL1	206365_at	Hs.546295	6375 chemokine (C motif) ligand 1
NK CD56bright cells NK CD56bright cells		215938_s_at 204691 x at		8398 phospholipase A2, group VI (cytosolic, calcium-independent) 8398 phospholipase A2, group VI (cytosolic, calcium-independent)
NK CD56bright cells	NIBP	221672_s_at	Hs.654911	83696 NIK and IKK{beta} binding protein
NK CD56bright cells NK CD56bright cells		205906_at 215908_at	Hs.651204 Hs.432862	2302 forkhead box J1 10299 membrane-associated ring finger (C3HC4) 6
NK CD56bright cells	DUSP4	204015_s_at	Hs.417962	1846 dual specificity phosphatase 4
NK CD56bright cells NK CD56bright cells	PLA2G6 MADD	210647_x_at 38398_at	Hs.170479 Hs.82548	8398 phospholipase A2, group VI (cytosolic, calcium-independent)  8567 MAP-kinase activating death domain
NK CD56bright cells	BG255923	215409_at	Hs.352614	254531 1-acylglycerol-3-phosphate O-acyltransferase 7 (lysophosphatidic acid acyltransferase, eta)
NK CD56bright cells NK CD56bright cells	MPPED1 MUC3B	206436_at 214676_x_at	Hs.592198 Hs.489354	758 metallophosphoesterase domain containing 1 57876 mucin 3B, cell surface associated
DC	CD209	207277_at	Hs.278694	30835 CD209 molecule
DC DC	CCL17 HSD11B1	207900_at 205404_at	Hs.546294 Hs.195040	6361 chemokine (C-C motif) ligand 17 3290 hydroxysteroid (11-beta) dehydrogenase 1
DC	CCL13	206407_s_at	Hs.414629	6357 chemokine (C-C motif) ligand 13
DC DC	CCL22 PPFIBP2	207861_at 212841_s_at		6367 chemokine (C-C motif) ligand 22 8495 PTPRF interacting protein, binding protein 2 (liprin beta 2)
DC iDC	NPR1 CD1B	32625_at	Hs.490330	4881 natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptide receptor A) 910 CD1b molecule
DC DC	VASH1	206749_at 203940_s_at	Hs.1310 Hs.525479	22846 vasohibin 1
iDC iDC	F13A1 CD1E	203305_at 215784_at	Hs.335513 Hs.249217	2162 coagulation factor XIII, A1 polypeptide 913 CD1e molecule
DC	MMP12	204580_at	Hs.1695	4321 matrix metallopeptidase 12 (macrophage elastase)
iDC iDC	FABP4 CLEC10A	203980_at 206682_at	Hs.391561 Hs.54403	2167 fatty acid binding protein 4, adipocyte 10462 C-type lectin domain family 10, member A
DC	SYT17	205613_at	Hs.258326	51760 synaptotagmin XVII
iDC iDC	MS4A6A CTNS	219666_at 204925_at	Hs.523702 Hs.187667	64231 membrane-spanning 4-domains, subfamily A, member 6A  1497 cystinosis, nephropathic
iDC	GUCA1A	206062_at	Hs.92858	2978 guanylate cyclase activator 1A (retina)
IDC IDC	CARD9 CD1E	220162_s_at 208592 s at		64170 caspase recruitment domain family, member 9 913 CD1e molecule
iDC	ABCG2	209735_at	Hs.480218	9429 ATP-binding cassette, sub-family G (WHITE), member 2
iDC iDC	CD1A PPARG	210325_at 208510_s_at	Hs.1309 Hs.162646	909 CD1a molecule  5468 peroxisome proliferator-activated receptor gamma
DC	RAP1GAP	203911_at	Hs.148178	5909 RAP1 GTPase activating protein
iDC iDC	SLC7A8 GSTT1	216604_s_at 203815_at	Hs.632348 Hs.268573, Hs.56802	23428 solute carrier family 7 (cationic amino acid transporter, y+ system), member 8 2952 glutathione S-transferase theta 1
iDC	NM_021941	218019_s_at	Hs.284491	8566 pyridoxal (pyridoxine, vitamin B6) kinase
DC DC	FZD2 CSF1R	210220_at 203104_at	Hs.142912 Hs.654394	2535 frizzled homolog 2 (Drosophila)  1436 colony stimulating factor 1 receptor, formerly McDonough feline sarcoma viral (v-fms) oncogene homolog
iDC	HS3ST2	219697_at	Hs.115830, Hs.62253	9956 heparan sulfate (glucosamine) 3-O-sulfotransferase 2
I <mark>DC</mark> IDC	CH25H LMAN2L	206932_at 221274_s_at		9023 cholesterol 25-hydroxylase 81562 lectin, mannose-binding 2-like
I <mark>DC</mark>	SLC26A6 BLVRB		Hs.631925, Hs.66320	65010 solute carrier family 26, member 6 645 biliverdin reductase B (flavin reductase (NADPH))
iDC	NUDT9	218375_at	Hs.515785 Hs.149500	53343 nudix (nucleoside diphosphate linked moiety X)-type motif 9
DC DC	PREP TM7SF4	204117_at	Hs.436564 Hs.652230	5550 prolyl endopeptidase 81501 transmembrane 7 superfamily member 4
iDC	TACSTD2	202286 s at	Hs.23582	4070 tumor-associated calcium signal transducer 2
aDC	CD1C CCL1	205987_at 207533_at	Hs.132448 Hs.72918	911 CD1c molecule 6346 chemokine (C-C motif) ligand 1
aDC	EBI3	219424_at	Hs.501452	10148 Epstein-Barr virus induced gene 3
aDC aDC	INDO LAMP3	210029_at 205569_at	Hs.840 Hs.518448	3620 indoleamine-pyrrole 2,3 dioxygenase 27074 lysosomal-associated membrane protein 3
aDC	OAS3	218400_at	Hs.528634	4940 2'-5'-oligoadenylate synthetase 3, 100kDa
pDC Eosinophils	IL3RA IL5RA	206148_at 211517_s_at	Hs.632790 Hs.68876	3563 interleukin 3 receptor, alpha (low affinity) 3568 interleukin 5 receptor, alpha
Eosinophils	KCNH2	205262_at	Hs.647099	3757 potassium voltage-gated channel, subfamily H (eag-related), member 2
Eosinophils Eosinophils	TKTL1 IL5RA	216370_s_at 210744_s_at		8277 transketolase-like 1 3568 interleukin 5 receptor, alpha
Eosinophils	EMR1	207111_at	Hs.2375	2015 egf-like module containing, mucin-like, hormone receptor-like 1
Eosinophils Eosinophils	KCNH2 CCR3	210036_s_at 208304_at	Hs.647099 Hs.506190	3757 potassium voltage-gated channel, subfamily H (eag-related), member 2 1232 chemokine (C-C motif) receptor 3
Eosinophils	ACACB	49452_at	Hs.234898	32 acetyl-Coenzyme A carboxylase beta
Eosinophils Eosinophils	THBS1 GALC	201108_s_at 211810_s_at		7057 thrombospondin 1 2581 galactosylceramidase
	TKTL1	214183_s_at	Hs.102866	8277 transketolase-like 1
Eosinophils	RNU2	210230_at	Hs.676605	728965 hypothetical protein LOC728965
Eosinophils		206207 at	Hs.889	11/6 Charcot-Levden crystal protein
Eosinophils Eosinophils Eosinophils	CLC THBS1	206207_at 201109_s_at		1178 Charcot-Leyden crystal protein 7057 thrombospondin 1
Eosinophils Eosinophils Eosinophils Eosinophils	CLC	201109_s_at 209398_at		7057 thrombospondin 1 3006 histone cluster 1, H1c
Eosinophils Eosinophils Eosinophils	CLC THBS1 HIST1H1C	201109_s_at	Hs.164226 Hs.7644	7057 thrombospondin 1

Casinanhila	LDDGL	244072	11- 624050	04255 level despite linearity in a control related anothing 5 liles
Eosinophils Eosinophils	LRP5L SYNJ1	214873_at 207594_s_at	Hs.634058 Hs.473632	91355 low density lipoprotein receptor-related protein 5-like 8867 synaptojanin 1
Eosinophils Eosinophils	SYNJ1 THBS4	212990_at 204776_at	Hs.473632 Hs.211426	8867 synaptojanin 1 7060 thrombospondin 4
Eosinophils	GPR44	206361_at	Hs.299567	11251 G protein-coupled receptor 44
Eosinophils Eosinophils	KBTBD11 HES1	204301_at 203394_s_at	Hs.5333 Hs.250666	9920 kelch repeat and BTB (POZ) domain containing 11  3280 hairy and enhancer of split 1, (Drosophila)
Eosinophils	ABHD2	205566_at	Hs.122337, Hs.66646	11057 abhydrolase domain containing 2
Eosinophils Eosinophils	TIPARP SMPD3	212665_at 219695_at	Hs.12813, Hs.547611 Hs.368421	25976 TCDD-inducible poly(ADP-ribose) polymerase 55512 sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)
Eosinophils	MYO15B	59375_at	Hs.390817	80022 myosin XVB pseudogene
Eosinophils Eosinophils	TGIF1 RRP12	203313_s_at 216360_x_at		7050 TGFB-induced factor homeobox 1 23223 ribosomal RNA processing 12 homolog (S. cerevisiae)
Eosinophils	ACACB	43427_at	Hs.234898	32 acetyl-Coenzyme A carboxylase beta
Eosinophils Eosinophils	IGSF2 HES1	207167_at 203395_s_at	Hs.654598 Hs.250666	9398 immunoglobulin superfamily, member 2 3280 hairy and enhancer of split 1, (Drosophila)
Eosinophils	RCOR3	218344_s_at	Hs.356399	55758 REST corepressor 3
Eosinophils Eosinophils	EPN2 C9orf156	203463_s_at 222195_s_at		22905 epsin 2  51531 chromosome 9 open reading frame 156
Eosinophils	SIAH1	202981_x_at	Hs.295923	6477 seven in absentia homolog 1 (Drosophila)
Eosinophils Macrophages	ACACB MARCO	221928_at 205819_at	Hs.234898 Hs.67726	32 acetyl-Coenzyme A carboxylase beta 8685 macrophage receptor with collagenous structure
Macrophages	CXCL5	214974_x_at 203889 at		6374 chemokine (C-X-C motif) ligand 5
Macrophages Macrophages	SCG5 SULT1C2	205342_s_at	Hs.156540 Hs.436123	6447 secretogranin V (7B2 protein) 6819 sulfotransferase family, cytosolic, 1C, member 2
Macrophages Macrophages	SULT1C2 MSR1	211470_s_at 214770_at		6819 sulfotransferase family, cytosolic, 1C, member 2 4481 macrophage scavenger receptor 1
Macrophages	CTSK	202450_s_at		1513 cathepsin K
Macrophages Macrophages	PTGDS COLEC12	212187_x_at 221019_s_at		5730 prostaglandin D2 synthase 21kDa (brain) 81035 collectin sub-family member 12
Macrophages	GPC4	204984_at	Hs.58367	2239 glypican 4
Macrophages Macrophages	MSR1 PCOLCE2	208423_s_at 219295_s_at		4481 macrophage scavenger receptor 1  26577 procollagen C-endopeptidase enhancer 2
Macrophages	CHIT1	208168_s_at	Hs.201688	1118 chitinase 1 (chitotriosidase)
Macrophages Macrophages	PTGDS KAL1	211748_x_at 205206_at	Hs.446429 Hs.521869	5730 prostaglandin D2 synthase 21kDa (brain) 3730 Kallmann syndrome 1 sequence
Macrophages	CLEC5A	219890_at	Hs.446235	23601 C-type lectin domain family 5, member A
Macrophages Macrophages	GPC4 ME1	204983_s_at 204058_at	Hs.58367 Hs.21160	2239 glypican 4 4199 malic enzyme 1, NADP(+)-dependent, cytosolic
Macrophages	DNASE2B	220380_at	Hs.129142	58511 deoxyribonuclease II beta
Macrophages Macrophages	CCL7 FN1	208075_s_at 214701_s_at		6354 chemokine (C-C motif) ligand 7 2335 fibronectin 1
Macrophages	CD163	203645_s_at	Hs.504641	9332 CD163 molecule
Macrophages Macrophages	GM2A SCARB2	215891_s_at 201647 s at		2760 GM2 ganglioside activator  950 scavenger receptor class B, member 2
Macrophages	BCAT1	214452_at	Hs.438993	586 branched chain aminotransferase 1, cytosolic
Macrophages Macrophages	BCAT1 RAI14	214390_s_at 202052_s_at		586 branched chain aminotransferase 1, cytosolic 26064 retinoic acid induced 14
Macrophages	MSR1	211887_x_at	Hs.147635	4481 macrophage scavenger receptor 1
Macrophages Macrophages	COL8A2 CD163	52651_at 215049_x_at	Hs.353001 Hs.504641	1296 collagen, type VIII, alpha 2 9332 CD163 molecule
Macrophages	APOE	203381_s_at	Hs.654439	348 apolipoprotein E
Macrophages Macrophages	CHI3L1 ATG7	209396_s_at 218673_s_at		1116 chitinase 3-like 1 (cartilage glycoprotein-39) 10533 ATG7 autophagy related 7 homolog (S. cerevisiae)
Macrophages	CD84	211190_x_at	Hs.398093	8832 CD84 molecule
Macrophages Macrophages	FDX1 MS4A4A	203646_at 219607_s_at	Hs.744 Hs.325960	2230 ferredoxin 1 51338 membrane-spanning 4-domains, subfamily A, member 4
Macrophages	SGMS1	212989_at	Hs.654698	259230 sphingomyelin synthase 1
Macrophages Macrophages	EMP1 CYBB	201324_at 203922_s_at	Hs.436298 Hs.292356	2012 epithelial membrane protein 1 1536 cytochrome b-245, beta polypeptide (chronic granulomatous disease)
Macrophages Mast cells	CD68 PRG2	203507_at 211743_s_at	Hs.647419	968 CD68 molecule 5553 proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein)
Mast cells	CTSG	205653_at	Hs.421724	1511 cathepsin G
Mast cells	TPSAB1 SLC18A2	215382_x_at 205857 at		7177 tryptase alpha/beta 1 6571 solute carrier family 18 (vesicular monoamine), member 2
Mast cells Mast cells	TPSAB1	205683_x_at		7177 tryptase alpha/beta 1
Mast cells Mast cells	MS4A2 CPA3	207497_s_at 205624_at	Hs.386748 Hs.646	2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 1359 carboxypeptidase A3 (mast cell)
Mast cells	TPSB2		Hs.405479, Hs.59298	
Mast cells Mast cells	TPSAB1	207134_x_at		64499 tryptase beta 2
		216474_x_at	Hs.405479	7177 tryptase alpha/beta 1
Mast cells	NM_003293 TPSAB1	216474_x_at	Hs.405479 Hs.405479, Hs.59298	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1
Mast cells Mast cells	NM_003293 TPSAB1 MS4A2	216474_x_at 207741_x_at 210084_x_at 207496_at	Hs.405479 Hs.405479, Hs.59298 Hs.405479 Hs.386748	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide)
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 GATA2	216474_x_at 207741_x_at 210084_x_at 207496_at 217023_x_at 209710_at	Hs.405479 Hs.405479, Hs.59298 Hs.405479 Hs.386748 Hs.405479 Hs.367725	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2
Mast cells Mast cells Mast cells Mast cells Mast cells Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 GATA2 HDC	216474_x_at 207741_x_at 210084_x_at 207496_at 217023_x_at 209710_at 207067_s_at	Hs.405479 Hs.405479, Hs.59298 Hs.405479 Hs.386748 Hs.405479 Hs.367725 Hs.1481	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase
Mast cells Mast cells Mast cells Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6	216474_x_at 207741_x_at 210084_x_at 207496_at 217023_x_at 209710_at 207067_s_at 210102_at 210796_x_at	Hs.405479 Hs.405479, Hs.59298 Hs.405479 Hs.386748 Hs.405479 Hs.367725 Hs.1481 Hs.152944	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2	216474_x_at 207741_x_at 210084_x_at 207496_at 217023_x_at 209710_at 207067_s_at 210102_at 210796_x_at 206871_at	Hs. 405479 Hs. 405479, Hs. 59298 Hs. 405479 Hs. 386748 Hs. 405479 Hs. 387725 Hs. 1481 Hs. 152944 Hs. 397255 Hs. 39863	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil
Mast cells	NM 003293 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A CMA1	216474_x_at 207741_x_at 210084_x_at 2107496_at 2177023_x_at 209710_at 207067_s_at 210102_at 210796_x_at 206871_at 205011_at 214533_at	Hs. 405479 Hs. 405479, Hs. 59298 Hs. 405479 Hs. 386748 Hs. 405479 Hs. 367725 Hs. 1481 Hs. 152944 Hs. 397255 Hs. 39863 Hs. 152944 Hs. 135626	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-sparning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast cell
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A CMA1 SIGLEC6	216474_x_at 207741_x_at 210084_x_at 207496_at 2177023_x_at 209710_at 207067_s_at 210102_at 210796_x_at 206871_at 205011_at 214533_at 206520_x_at	Hs. 405479 Hs. 405479, Hs. 59298 Hs. 405479 Hs. 386748 Hs. 405479 Hs. 367725 Hs. 1481 Hs. 152944 Hs. 397255 Hs. 152944 Hs. 135626 Hs. 135626 Hs. 397255	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast cell 946 sialic acid binding Ig-like lectin 6
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A CMA1 SIGLEC6 PGDS MLPH	216474 x at 207741 x at 210084 x at 210084 x at 217023 x at 217023 x at 209710 at 207067 s at 210102 at 210196 x at 206971 at 205011 at 214533 at 206520 x at 206726 at 218211 s at 218211 s at	Hs. 405479 Hs. 405479, Hs. 59298 Hs. 405479, Hs. 59298 Hs. 405479 Hs. 367725 Hs. 1481 Hs. 1481 Hs. 152944 Hs. 397255 Hs. 152944 Hs. 135626 Hs. 135626 Hs. 152443 Hs. 152443	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast cell 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin D2 synthase, hematopoietic 79083 melanophilin
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A CMA1 SIGLEC6 PGDS MLPH ADCYAP1	216474 x at 207741 x at 210784 x at 210784 x at 217023 x at 207740 at 207067 s at 210702 at 210702 at 205011 at 205011 at 205020 x at 206726 at 218211 s at 206281	Hs. 405479 Hs. 405479 Hs. 405479 Hs. 306748 Hs. 405479 Hs. 367725 Hs. 1481 Hs. 152944 Hs. 397255 Hs. 152944 Hs. 152944 Hs. 15295 Hs. 152944 Hs. 152944 Hs. 152944 Hs. 152944 Hs. 152944 Hs. 15255 Hs. 128433 Hs. 102406 Hs. 5522343	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2200 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast cell 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin D2 synthase, hematopoietic 79033 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary)
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A CMA1 SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 SLC24A3	216474 x, at 207741 x, at 210784 x, at 210784 x, at 217023 x, at 209710 at 207067 s, at 210702 at 210706 x, at 206871, at 205011, at 205011, at 205020 x, at 206726, at 20681 at 205019 x, at 20619 x,	Hs. 405479	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast cell 946 sialic acid binding Ig-like lectin 6 27308 prostaglandin D2 synthase, hematopoietic 79033 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 sialic acid binding Ig-like lectin 6
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A CMA1 SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 CALB2	216474 x, at 2107484 x, at 210084 x, at 210084 x, at 207496 at 217023 x, at 209710 at 207067 s, at 210702 at 210796 x, at 206871 at 206871 at 206820 x, at 206872 at 218211 s, at 206519 x, at 57588 at 205428 s, at	Hs. 405479 Hs. 405479 Hs. 405479 Hs. 405479 Hs. 386748 Hs. 405479 Hs. 3867725 Hs. 1481 Hs. 152944 Hs. 397255 Hs. 99863 Hs. 152944 Hs. 135526 Hs. 997255 Hs. 9387255 Hs. 93873 Hs. 102406 Hs. 397255 Hs. 598433 Hs. 102406 Hs. 597255 Hs. 598433 Hs. 102406 Hs. 597255 Hs. 5584790 Hs. 106857	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast ceil 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin Dz synthase, hematopoietic 79083 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 sialic acid binding Ig-like lectin 6 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calcinding 1, 29k0 (calretinin)
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A CMA1 SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 CALB2 SLC24A3 KIT	216474 x, at 207741 x, at 210784 x, at 210784 x, at 217023 x, at 209740, at 207067 s, at 210702 at 210702 at 205011_at 205011_at 206520 x, at 206726 at 205011_s, at 206281_at 205019 x, at 206281_at 205019 x, at 206281_at 205019 x, at 205428_s, at 219990_at 205051_s, at 205051_s, at	Hs. 405479 Hs. 6054790 Hs. 4054790 Hs. 407554	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast cell 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin D2 synthase, hematopoietic 79083 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 sialic acid binding Ig-like lectin 6 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calbindin 2, 29kDa (calretinin) 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 3315 v-klt Hardy-Zuckeman 4 feline sarcoma viral oncogene homolog
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A CMA1 SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 KIT TAL1	216474 x, at 210784 x, at 210784 x, at 210784 x, at 217023 x, at 209710 at 217023 x, at 2107067 s, at 210796 x, at 210796 x, at 205011 at 205011 at 206871, at 206281 at 206281 at 206281 x, at 219292 x, at 219292 x, at 218211 s, at 206281 at 218211 s, at 205519 x, at 219290 at 219290 at 219290 at 219290 at 219290 at 2050428 s, at 219090 at 2050428 s, at 219090 at 206283 s, at 219090 at 206283 s, at 210084 x, at 219090 at 206283 s, at 219090 at 2	Hs. 405479 Hs. 4054790 Hs. 4054790 Hs. 40547954 Hs. 4054796	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2200 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutropnil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast cell 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin D2 synthase, hematopoletic 79083 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 sialic acid binding Ig-like lectin 6 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calbindin 2, 29kDa (calretinin) 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 3815 v-klt Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A CMA1 SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 KIT TAL1 ABCC4 PPM1H	216474 x, at 2107474 x, at 2107084 x, at 2107084 x, at 207496, at 217023 x, at 209710, at 207607 s, at 210706 x, at 210796 x, at 206871, at 206871, at 206820 x, at 2108281, at 2062881, at 206288, at 219090, at 218231 s, at 219090, at 218291 s, at 219090, at 218291 s, at 219090, at 205051, s, at 206283 s, at 203196, at 212686, at	Hs. 405479 Hs. 405479 Hs. 405479 Hs. 405479 Hs. 386748 Hs. 405479 Hs. 367725 Hs. 1481 Hs. 152944 Hs. 397255 Hs. 99863 Hs. 152944 Hs. 135626 Hs. 397255 Hs. 92463 Hs. 102406 Hs. 592343 Hs. 102406 Hs. 592343 Hs. 102406 Hs. 59244 Hs. 597255 Hs. 654790 Hs. 108657 Hs. 654790 Hs. 109657 Hs. 654790 Hs. 479754 Hs. 525198 Hs. 509423 Hs. 50423 Hs. 504479	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast ceil 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin D2 synthase, hematopoietic 79083 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 sialic acid binding Ig-like lectin 6 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calbindin 2, 29kD4 (calretimin) 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 3315 v-klt Hardy-Zuckeman 4 feline sarcoma viral oncogene homolog 6886 T-cell acute lymphocytic leukemia 1 10257 ATP-binding cassette, sub-family C (CFTR/MRP), member 4 57460 protein phosphatases Ht (PP2C domain containing)
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A CMA1 SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 CALB2 SLC24A3 KIT TAL1 ABCC4 PPMTH MAOB	216474 x, at 210784 x, at 210784 x, at 217023 x, at 207710 at 217023 at 210702 at 210705 x, at 200671, at 206871, at 205011, at 206520 x, at 206520 x, at 206281 at 205428 s, at 205528 at 205628 s, at 205628 at 205628 at 205628 at 205666 at 212686 at 204041, at	Hs. 405479	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast cell 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin D2 synthase, hematopoietic 948 sialic acid binding Ig-like lectin 6 657419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calbindin 2, 29kDa (calretinin) 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 3315 v-kit Hardy-Zuckemma 1 feline sarcoma viral oncogene homolog 6886 T-cell acute lymphocytic leukemia 1 10257 ATP-binding cassette, sub-family C (CFTR/MRP), member 4 57460 protein phosphatase 1H (PP2C domain containing)
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A CMA1 SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 KIT TAL1 ABCC4 PPM1H MAOB HPGD SCG2	216474 x, at 210741 x, at 210741 x, at 210784 x, at 217023 x, at 209710 at 217023 x, at 2107102 at 210796 x, at 210796 x, at 205011 at 206571, at 206520 x, at 206281 at 206281 at 205428 s, at 219990 at 205428 s, at 219990 at 205428 s, at 201966 at 204041 at 21549 s, at 204035, at 204041 at 21549 s, at 204035, at 204045 at 204035, at 204035	Hs. 405479 Hs. 505423 Hs. 5054473 Hs. 5055491 Hs. 5055491 Hs. 5056491	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2200 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast cell 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin D2 synthase, hematopoietic 79083 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 sialic acid binding Ig-like lectin 6 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calbindin 2, 29kDa (calretinin) 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 3315 v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog 888 T-cell acute lymphocytic leukemia 1 10257 ATP-binding cassette, sub-family C (CFTR/MRP), member 4 57460 protein phosphatase 1H (PP2C domain containing) 4129 monoamine oxidase B 3248 hydroxyprostaglandin dehydrogenase 15-(NAD) 7857 secretogranin II (chromogranin C)
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A LOH11CR2A CMA1 SIGLEC6 FLA2 CMA1 SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 CALB2 SLC24A3 KIT TAL1 ABCC4 PPM1H MAOB HPGD SCG2 PTGS1	216474 x, at 210784 x, at 210784 x, at 210784 x, at 217023 x, at 209710 at 217023 x, at 209710 at 210796 x, at 200671, at 206871, at 205011, at 206520 x, at 206262 at 206871 at 205011, at 206520 x, at 206281 at 205028 at 205128 at 20528 at 20528 at 20598 at 212886 at 204041, at 211549 s, at 204035 at 205127, at 205127, at 205127, at 205127, at 205127, at 205127, at 20798 at 204035 at 204035 at 205127, at 205127, at 205127, at 20798	Hs. 405479	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast cell 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin D2 synthase, hematopoietic 79038 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 sialic acid binding Ig-like lectin 6 7741 souluc carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calbindin 2, 29kDa (calretinin) 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 3815 v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog 6886 T-cell acute lymphocytic leukemia 1 10257 ATP-binding cassette, sub-family C (CFTR/MRP), member 4 57460 protein phosphatase 1H (PP2C domain containing) 11287 noncamine oxidase B 3248 hydroxyprostaglandin edhydrogenase 15-(NAD) 7857 secretogranin II (chromogranin C)
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 PGDS SLC24A3 CALB2 SLC24A3 KIT TAL1 TAL1 MAOB HPGD SCG2 PTGS1 CEACAMB	216474 x, at 2107474 x, at 210784 x, at 217023 x, at 209710 at 217023 at 210702 at 210702 at 210796 x, at 206512, at 206511, at 206520 x, at 206528 at 206519 x, at 57588 at 205428 s, at 205428 s, at 205428 s, at 205428 at 205428 s, at 205424 x, at 205424 x, at 205424 x, at 205424 x, at 205427 at 205676 at 205127 at 206676 at 205127 at 2050349 at 205127 at 200349 at 205127 at 200349 at 207905 x, at 207905 at 2079	Hs. 405479	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast cell 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin D2 synthase, hematopoietic 9946 sialic acid binding Ig-like lectin 6 27306 prostaglandin D2 synthase, hematopoietic 9903 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 sialic acid binding Ig-like lectin 6 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calbindin 2, 29kDa (calretinin) 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 3315 v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog 8868 T-cell acute lymphocytic leukemia 1 10257 ATP-binding cassette, sub-family C (CFTR/MRP), member 4 57460 protein phosphatase 11 (PP2C domain containing) 4129 monoamine oxidase B 3248 hydroxyprostaglandin dehydrogenase 15-(NAD) 7857 secretogranin II (chromogranin C) 5742 prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) 1088 carcinoembryonic antigen-related cell adhesion molecule 8 4353 myelpoperoxidase
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A CMA1 SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 KIT TAL1 ABCC4 PPM1H MAOB HPGD SCG2 PTGS1 CEACAM8 MPO NR0B1	216474 x, at 207474 x, at 210084 x_at 210784 at 217023 x_at 207496 at 217023 x_at 2079710_at 207067 s, at 210796 x_at 206871_at 205011_at 20620 x_at 218211_s_at 206281_at 206281_at 206281_at 206281_at 2050515_s_at 2050515_s_at 206283_s_at 204041_at 204041_at 2050517_at 2060645_at 206675_at 20667	Hs. 405479 Hs. 405479 Hs. 405479 Hs. 405479 Hs. 386748 Hs. 405479 Hs. 3867725 Hs. 1481 Hs. 152944 Hs. 397255 Hs. 99863 Hs. 152944 Hs. 135626 Hs. 397255 Hs. 93873 Hs. 152446 Hs. 135626 Hs. 397255 Hs. 128433 Hs. 102406 Hs. 592343 Hs. 102406 Hs. 597255 Hs. 6564790 Hs. 5064790 Hs. 106857 Hs. 6564790 Hs. 479754 Hs. 525198 Hs. 508423 Hs. 508423 Hs. 525498 Hs. 5084473 Hs. 655491 Hs. 616726 Hs. 616726 Hs. 521978 Hs. 616726 Hs. 521978 Hs. 541978	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histlidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast ceil 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin Dz Synthase, hematopoietic 79083 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 sialic acid binding Ig-like lectin 6 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calbindin 2, 29kDa (calretinin) 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 3315 v-klt Hardy-Zuckeman 4 feline sarcoma viral oncogene homolog 6886 T-cell acute lymphocytic leukemia 1 10257 ATP-binding cassette, sub-family C (CFTR/MRP), member 4 57460 protein phosphatase 1H (PPZC domain containing) 4129 monoaminine oxidase B 3248 hydroxyprostaglandin dehydrogenase 15-(NAD) 7857 secretogranin II (chromogranin C) 5742 prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) 190 nuclear receptor subfamily 0, group B, member 1
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A LOH11CR2A CMA1 SIGLEC6 FGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 CALB2 SLC24A3 KIT TAL1 ABCC4 PPM1H MAOB HPGD SCG2 PTGS1 CEACAM8 MPO NR0B1 LCSF387	216474 x, at 210741 x, at 210784 x, at 210784 x, at 207745 at 217023 x, at 209710 at 217023 at 210796 x, at 206710 at 206871, at 205011, at 206520 x, at 206527 x, at 206575 x, at 206527 x, at 206527 x, at 206527 x, at 206626 x, at 201527 x, at 206676 at 206940 x, a	Hs. 405479 Hs. 405479 Hs. 405479 Hs. 405479 Hs. 386748 Hs. 405479 Hs. 3867725 Hs. 3867725 Hs. 1481 Hs. 152944 Hs. 397255 Hs. 12843 Hs. 152944 Hs. 397255 Hs. 128433 Hs. 152944 Hs. 397255 Hs. 128433 Hs. 152944 Hs. 397255 Hs. 102406 Hs. 592243 Hs. 102666 Hs. 592343 Hs. 152944 Hs. 597255 Hs. 128433 Hs. 102666 Hs. 592343 Hs. 1026667 Hs. 592343 Hs. 397255 Hs. 564790 Hs. 479754 Hs. 479754 Hs. 525798 Hs. 5546423 Hs. 435479 Hs. 526423 Hs. 455479 Hs. 516726 Hs. 5201978 Hs. 41 Hs. 516726 Hs. 41 Hs. 458272 Hs. 486490 Hs. 306423, Hs. 456529 Hs. 306423, Hs. 61529 Hs. 526490	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast cell 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin D2 synthase, hematopoietic 79038 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 sialic acid binding Ig-like lectin 6 7741 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calbindin 2, 29kDa (calretinin) 5741s solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 3815 v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog 6886 T-cell acute lymphocytic leukemia 1 10257 ATP-binding cassette, sub-family C (CFTR/MRP), member 4 57460 protein phosphatase 1H (PP2C domain containing) 11287 nonamine oxidase B 3248 hydroxyprostaglandin edhydrogenase 15-(NAD) 7857 secretogranin II (chromogranin C) 5742 postaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) 1086 carcinoembryonic antigen-related cell adhesion molecule 8 4353 myeloperoxidase 190 nuclear receptor subfamily 0, group B, member 1 339524 hypothetical protein LOC339524 14141 (colony stimulating factor 3 receptor (granulocyte)
Mast cells Neutrophils Neutrophils	NM_003293 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A CMA1 SIGLEC6 FGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 KIT TAL1 ABCC4 PPMTH MAOB HPGD SCG2 PTGS1 CEACAM8 MPO NR0B1 LOC339524 CSF3R CYP4F3	216474 x, at 2107474 x, at 210084 x_at 2107496_at 217023 x_at 209710_at 207667_s, at 210702_at 210796_x_at 206871_at 205011_at 214533_at 206520_x_at 206281_at 206519_x_at 206519_x_at 206519_x_at 206519_x_at 206428_s_at 210928_s_at 201928_s_at 201928_s_at 201928_s_at 20198_s_at 20198_s_	Hs. 405479	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of igE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast ceil 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin D2 synthase, hematopoietic 7903 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 sialic acid binding Ig-like lectin 6 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calbindin 2, 29k0 lac (calretinin) 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 3815 v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog 8866 T-cell acute Imprhocytic leukemia 1 10257 ATP-binding cassette, sub-family C (CFTR/MRP), member 4 57460 protein phosphataset 1H (PPZ-C domain containing) 4129 monoamine oxidase B 3248 hydroxyprostaglandin dehydrogenase 15-(NAD) 7857 secretogranin II (chromogranin C) 5742 prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) 1098 carcinoembryonic antigen-related cell adhesion molecule 8 4353 myeloperoxidase 1490 nuclear receptor subfamily 0, group B, member 1 339524 hypothetical protein LOC339524 1141 colony stimulating factor 3 receptor (granulocyte) 4051 cytochrome P4450, family 4, subfamily F, polypeptide 3
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A CMA1 SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 KIT TAL1 ABCC4 PPM1H MAOB HPGD SCG2 PTGS1 CEACAM8 MPO NR0B1 LOC339524 CSF3R CYP4F3 VNIN3 FPRL1	216474 x, at 210741 x, at 210784 x, at 210084 x, at 210789 at 217023 x, at 209710 at 207667 s, at 210796 x, at 210796 x, at 200711 at 206511 at 206512 x, at 206281 at 206281 at 206281 at 206288 at 218214 s, at 206288 at 218214 s, at 219990 at 218214 s, at 219990 at 218214 s, at 219990 at 205051 s, at 206283 s, at 219990 at 205051 s, at 206283 c, at 209196 at 205051 s, at 206283 c, at 209196 at 205051 s, at 200676 at 205051 s, at 205052 s, at 205051 s, at 2	Hs. 405479 Hs. 405479 Hs. 405479 Hs. 405479 Hs. 386748 Hs. 405479 Hs. 3867725 Hs. 1481 Hs. 152944 Hs. 397255 Hs. 99863 Hs. 152944 Hs. 135626 Hs. 397255 Hs. 9883 Hs. 152944 Hs. 135626 Hs. 397255 Hs. 9883 Hs. 102406 Hs. 592343 Hs. 102406 Hs. 592343 Hs. 102406 Hs. 592343 Hs. 102406 Hs. 59244 Hs. 5964790 Hs. 106857 Hs. 654790 Hs. 1068479 Hs. 6564790 Hs. 479754 Hs. 525198 Hs. 506423 Hs. 506423 Hs. 656491 Hs. 516726 Hs. 656491 Hs. 516726 Hs. 658491 Hs. 516726 Hs. 526490 Hs. 306423 Hs. 516726 Hs. 526490 Hs. 306423 Hs. 306423 Hs. 306424 Hs. 306624 Hs. 306624 Hs. 306624 Hs. 306624 Hs. 306624 Hs. 306626 Hs. 306655	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of igE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast ceil 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin D2 synthase, hematopoietic 79083 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 sialic acid binding Ig-like lectin 6 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calbindin 2, 29kDa (cairetimi) 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 3815 v-kit Hardy-Zuckeman 4 feline sarcoma viral oncogene homolog 8886 T-cell acute lymphocytic leukemia 1 10257 ATP-binding cassette, sub-family C (CFTR/MRP), member 4 57460 protein phosphatase H1 (PP2C domain containing) 4129 monoamine oxidase B 3248 hydroxyprostaglandin dehydrogenase 15-(NAD) 7857 secretogranin II (chromogranin C) 5742 prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) 1086 carcinoembryonic antigen-related cell adhesion molecule 8 4353 myeloperoxidase 190 nuclear receptor subfamily 0, group B, member 1 339524 hypothetical protein LOC339524 1441 colony stimulating factor 3 receptor (granulocyte) 4051 cytochrome P450, family 4, subfamily F, polypeptide 3 5350 vanin 3
Mast cells Neutrophils Neutrophils Neutrophils Neutrophils	NM_003293 TPSAB1 MS4A2 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A CMA1 SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 CALB2 SLC24A3 KIT TAL1 ABCC4 PPMTH MAOB HPGD SCG2 PTGS1 CEACAM8 MPO NR0B1 LOC339524 CSF3R CYP4F3 VNN3 FPRL1 KCNJ15	216474 x, at 210741 x, at 210784 x, at 210784 x, at 217023 x, at 217023 x, at 20710 at 217023 x, at 210102 at 210796 x, at 210196 x, at 206571, at 206571, at 206572 x, at 206281 at 206578 at 205428 s, at 219990 at 2055428 s, at 201966 at 219821 x, at 205428 s, at 201966 at 205428 s, at 20196 at 205428 s, at 205421 at 205428 s, at 205421 at 205428 s, at 205421 at 205425 at 205425 at 205425 at 205425 at 205425 at 205525 at 205525 at 205525 at 205525 at 205675 at 205525 at 205525 at 216782 at 216	Hs. 405479	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2200 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast cell 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin D2 synthase, hematopoietic 79083 melianophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 sialic acid binding Ig-like lectin 6 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calbindin 2, 29kDa (calretinin) 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 3315 v-kit Hardy-Zuckemman 4 feline sarcoma viral oncogene homolog 8886 T-cell acute lymphocytic leukemia 1 10257 ATP-binding cassette, sub-family C (CFTR/MRP), member 4 57460 protein phosphatase 1H (PP2C doma containing) 4129 monoamine oxidase B 3248 hydroxyprostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) 1086 carcinoembryonic antigen-related cell adhesion molecule 8 4353 myeloperoxidase 190 nuclear receptor subfamily 0, group B, member 1 339524 hydroxyprostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) 1421 colony stimulating factor 3 receptor (granulocyte) 14451 cyclorome P450, family 4, subfamily F, polypeptide 3 55350 vanin 3 2386 formyl peptide receptor-like 1 3772 potassium inwardly-rectifying channel, subfamily J, member 15
Mast cells Neutrophils Neutrophils Neutrophils Neutrophils Neutrophils Neutrophils Neutrophils Neutrophils	NM_003293 TPSAB1 MS4A2 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A CMA1 SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 KIT TAL1 ABCC4 PPM1H MAOB HPGD SCG2 PTGS1 CEACAM8 MPO NROB1 LOC339524 CSF3R CYP4F3 VNN3 FPRL1 KCN.115 MME	216474 x, at 2107474 x, at 2107474 x, at 2107474 x, at 210746 at 217023 x, at 209710_at 217023 x, at 209710_at 2107667_s, at 2107667_s, at 206871_at 205011_at 214533_at 206520_x_at 206281_at 206519_x_at 216762_at 218211_s_at 206519_x_at 218211_s_at 2050519_x_at 218211_s_at 2050519_x_at 219090_at 218211_s_at 219090_at 218211_s_at 219090_at 218211_s_at 218211_s_at 218211_s_at 21821_s_at 218221_s_at 218221_s_at 218221_s_at 218221_s_at 218221_s_at 218221_s_at 218222_s_at 2182222_s_at 218222_s_at 21822_s_at 2182	Hs. 405479 Hs. 505423 Hs. 505424 Hs. 41149 Hs. 306423 Hs. 505424 Hs. 183656 Hs. 307734 Hs. 194778	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of igE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutropnil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast ceil 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin D2 synthase, hematopoletic 9983 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 sialic acid binding Ig-like lectin 6 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calbindin 2, 9840 calerterini) 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 3815 v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog 6886 T-cell acute Imprhocytic leukemia 1 10257 ATP-binding cassette, sub-family C (CFTR/MRP), member 4 57460 protein phosphatase 1H (PP2C domain containing) 4129 monoamine oxidase B 3248 hydroxyprostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) 1086 carcinoembryonic antigen-related cell adhesion molecule 8 4353 myeloperoxidase 190 nuclear receptor subfamily 0, group B, member 1 339524 hypothetical protein LOC339524 1441 colony stimulating factor 3 receptor (granulocyte) 4051 cyclothorne P450, family 4, subfamily F, polypeptide 3 55350 vanin 3 2587 interleukin 8 receptor, alpha
Mast cells Neutrophils Neutrophils Neutrophils Neutrophils Neutrophils Neutrophils Neutrophils Neutrophils	NM_003293 TPSAB1 MS4A2 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A LOH11CR2A CMA1 SIGLEC6 FGDS MLPH ADCYAP1 SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 CALB2 SLC24A3 KIT TAL1 ABCC4 PPM1H MAOB HPGD SCG2 PTGS1 CEACAM8 MPO NR0B1 LOC339524 CSF38 CYPAF3 VYNA3 FPRL1 KCNJ15 MME	216474 x, at 210748 at 2107496 at 217023 x, at 207496 at 217023 x, at 209710_at 207067 s, at 210796 x, at 206871_at 206871_at 206871_at 206520_x, at 206281_at 206519_x, at 206281_at 206281_at 206281_at 206281_at 206281_at 206281_at 206281_at 206281_at 205428_s_at 219090_at 205051_s_at 206281_at 21829_at 204041_at 21829_at 204041_at 21829_at 204041_at 2065676_at 205051_s_at 206685_s_at 201908_at 205051_s_at 20659_at 205051_s_at 204035_at 205051_s_at 204035_at 205127_at 206645_s_at 2170399_at 206645_s_at 2170399_at 203399_at 203399_at 203399_at 203399_at 203391_s_at 204038_at 207098_at 207094_at 207094_at 207094_at 207098_at 20709	Hs. 405479 Hs. 405479 Hs. 405479 Hs. 405479 Hs. 305479 Hs. 305479 Hs. 3057725 Hs. 1481 Hs. 182944 Hs. 182944 Hs. 182944 Hs. 1852944 Hs. 1852944 Hs. 1852944 Hs. 1852944 Hs. 185266 Hs. 397255 Hs. 99863 Hs. 152944 Hs. 196266 Hs. 397255 Hs. 50543 Hs. 106406 Hs. 307255 Hs. 50543 Hs. 106406 Hs. 505433 Hs. 102406 Hs. 505433 Hs. 102406 Hs. 505433 Hs. 10754 Hs. 5054790 Hs. 106857 Hs. 6054790 Hs. 479754 Hs. 525198 Hs. 479754 Hs. 525198 Hs. 410 Hs. 5064790 Hs. 506479 Hs. 5	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histlidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin Dz Synthase, hematopoietic 946 sialic acid binding Ig-like lectin 6 27306 prostaglandin Dz Synthase, hematopoietic 7903 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 sialic acid binding Ig-like lectin 6 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calbindin 2, 29kD (calretinin) 57419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 3315 v-klf Hardy-Zuckeman 4 feline sarcoma viral oncogene homolog 6886 T-cell acute lymphocytic leukemia 1 10257 ATP-binding cassette, sub-family C (CFTR/MRP), member 4 57400 protein phosphatase H (PPC domain containing) 4129 monoamine oxidase B 3248 hydroxyprostaglandin dehydrogenase 15-(NAD) 7857 secretogranin II (chromogranin C) 5742 prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) 1086 carcinoembryonic antigen-related cell adhesion molecule 8 4353 myeloperoxidase 190 nuclear receptor subfamily 0, group B, member 1 339524 hydroxyprostaglanding factor 3 receptor (granulocyte) 4051 cytochrome P450, family 4, subfamily F, polypeptide 3 55350 vanin 3 3286 formyl peptide receptor-like 1 3772 potassium inwardyl-rectifying channel, subfamily J, member 15
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 CALB2 SLC24A3 KIT TAL1 ABCC4 PPM1H MAOB HPGD SCG2 PTGS1 CEACAM8 MPO NR0B1 LO339524 CSF3R CYP4F3 VNN3 FPRL1 KCNJ15 MME IL8RB MME IL8RB	216474 x, at 210741 x, at 210741 x, at 210741 x, at 2170721 x, at 217023 x, at 209710, at 217023 x, at 210102 at 210796 x, at 210102 at 210796 x, at 206571, at 206571, at 206572 x, at 206281, at 206281, at 205428 s, at 219900, at 205428 s, at 219990, at 205428 s, at 203196, at 215439 s, at 203196, at 215539 at 205425, at 215039 at 205425, at 215039 at 205435, at 2057094, at 207094, at 207098, at 204007, at 207094, at 204007, at 207094, at 204007, at 204007, at 207094, at 204007, at 204007, at 2056515, at 204007, at	Hs. 405479	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2206 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histlidine decarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 sialic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chrymase 1, mast cell 946 sialic acid binding Ig-like lectin 6 1993 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chrymase 1, mast cell 946 sialic acid binding Ig-like lectin 6 1998 sialic acid binding Ig-like lectin 6 1999 elastase 2, neutrophil 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 sialic acid binding Ig-like lectin 6 1991 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 1994 calbindin 2, 29kDa (calretinin) 1974 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 3315 v-klt Hardy-Zuckeman 4 feline sarcoma viral oncogene homolog 1988 T-cell acute lymphocytic leukemia 1 10257 ATP-pinding cassette, sub-family C (CFTR/MRP), member 4 1974 protein phosphatase 1H (PP2C domain containing) 1987 secretogranin II (chromogranin C) 1974 prostaglandin endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) 1988 carcinoembryonic antigen-related cell adhesion molecule 8 1989 hydroxyprostaglandin endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) 1998 carcinoembryonic antigen-related cell adhesion molecule 8 1999 nuclear receptor subfamily 0, group 8, member 1 1975 potassiam inwardiy-rectifying channel, subfamily J, member 15 1975 potassium inwardiy-rectifying channel, subfamily J, member 15 1977 potassium inwardiy-rectifying channel, subfamily J, member 15 1977 potassium inwardiy-rectifying channel, subfamily J, member 15 1977 interleukin 8 receptor, bela
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A LOH11CR2A CMA1 SIGLEC6 ELA2 LOH11CR2A CMA1 SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 CALB2 SLC24A3 KIT TAL1 ABCC4 PPM1H MAOB HPGD SCG2 PTGS1 CEACAM8 MPO NR0B1 LOC339524 CSF3R CYPAF3 VNN3 FPRL1 KCNJ15 MME ILBRA ILBRA ILBRA ILBRA ILBRB MME FCGR3B DYSF	216474 x, at 207474 x, at 210084 x, at 210084 x, at 210084 x, at 2107496 at 217023 x, at 209710 at 207607 s, at 210796 x, at 210796 x, at 206871 at 206871 at 206871 at 206519 x, at 57588 at 206283 s, at 210990 at 205051 s, at 206283 s, at 206283 s, at 209396 at 204041 at 205051 s, at 206283 s, at 206283 s, at 206398 at 204041 at 205051 s, at 206283 s, at 206398 s, at 205051 s, at 206283 s, at 20639 at 205051 s, at 206283 s, at 205051 s, at 206283 s, at 205051 s, at 206515 s, at 20639 at 205127 at 205051 s, at 206645 s, at 210539 a	Hs. 405479 Hs. 405479 Hs. 405479 Hs. 405479 Hs. 305479 Hs. 305479 Hs. 3057725 Hs. 1481 Hs. 152944 Hs. 307255 Hs. 99863 Hs. 152944 Hs. 135626 Hs. 397255 Hs. 305423 Hs. 102406 Hs. 592343 Hs. 105406 Hs. 592343 Hs. 106407 Hs. 5054790 Hs. 5054790 Hs. 5054790 Hs. 419754 Hs. 525198 Hs. 505423 Hs. 505423 Hs. 505423 Hs. 505423 Hs. 5054473 Hs. 505473	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2208 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3036 histlidine decarboxylase 4013 loss of heteroxygosity, 11, chromosomal region 2, gene A 946 stalic acid binding lg-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heteroxygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast cell 946 stalic acid binding lg-like lectin 6 2730s prostaglandin DZ synthase, hematopoletic 79033 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 stalic acid binding Ig-like lectin 6 7741 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calbindin 2, 29kDa (calretinin) 7741 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 3815 v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog 888 T-cell acute lymphocytic leukemia 1 10257 ATP-binding cassette, sub-family C (CFTR/MRP), member 4 57460 protein phosphatase 1H (PP2C domain containing) 4129 monoamine oxidase B 3248 hydroxyprostaglandin dehydrogenase 15-(NAD) 7857 secretogranin II (chromogranin C) 5742 prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) 1086 carcinoembryonic antigen-related cell adhesion molecule 8 4353 myeloperoxidase 190 nuclear receptor subfamily 0, group B, member 1 38524 hydroxyprostaglandin dehydrogenase 15-(NAD) 7857 secretogranin II (chromogranin C) 5742 prostaglandin endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) 1086 carcinoembryonic antigen-related cell adhesion molecule 8 4353 myeloperoxidase 190 nuclear receptor subfamily 0, group B, member 1 3772 potassium inwardly-rectifying channel, subfamily J, member 15 3785 frommirphare metallo-endopeptidase 2715 interleukin 8 receptor, alpha 3879 interleukin 8 receptor, alpha 3879 interleukin 8 receptor, alpha 3871 interleukin 8 receptor, alpha 3871 interleukin
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 SLC24A3 CALB2 SLC24A3 KIT TAL1 ABCC4 PPM1H MAOB HPGD SCG2 PTGS1 CEACAM8 MPO NR0B1 LOC339524 CSF3R CYP4F3 VNN3 FPRL1 KCN.115 MME LBRA LBRA LBRB MME FCGR3B DYSF KCN.115 FCAR	216474 x, at 2107474 x, at 2107084 x, at 2107084 x, at 207496 at 217023 x, at 209710 at 207607 s, at 210706 x, at 206871 at 206871 at 206871 at 206871 at 206871 at 206871 at 206872 at 218211 s, at 206281 at 206283 s, at 206593 at 206645 s, at 206645 s, at 206645 s, at 207098 at 203391 s, at 206515 at 207098 at 203394 s, at 206984 s, at 207098 at 207098 at 207098 at 207098 at 207098 at 218866 s, at 218868	Hs. 405479 Hs. 405479 Hs. 405479 Hs. 405479 Hs. 305479 Hs. 305479 Hs. 305479 Hs. 3057725 Hs. 1481 Hs. 152944 Hs. 397255 Hs. 99863 Hs. 152944 Hs. 135526 Hs. 397255 Hs. 39863 Hs. 152944 Hs. 135526 Hs. 397255 Hs. 305433 Hs. 102406 Hs. 397255 Hs. 505433 Hs. 102406 Hs. 592343 Hs. 102406 Hs. 592343 Hs. 102406 Hs. 59244 Hs. 50244 Hs. 504473 Hs. 504774 Hs. 183666 Hs. 307734 Hs. 194778 Hs. 305679 Hs. 505972	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2208 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 3067 histldine decarboxylase 4013 loss of heteroxygosity, 11, chromosomal region 2, gene A 946 stalic acid binding Ig-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heteroxygosity, 11, chromosomal region 2, gene A 1215 chymase 1, mast cell 946 stalic acid binding Ig-like lectin 6 27306 prostaglandin DZ synthase, hematopoletic 79083 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 stalic acid binding Ig-like lectin 6 27408 prostaglandin DZ synthase, hematopoletic 79083 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 stalic acid binding Ig-like lectin 6 7419 solute carrier family 24 (sodum/potassium/calcium exchanger), member 3 749 calbindin 2, 29kDa (calretinin) 57419 solute carrier family 24 (sodum/potassium/calcium exchanger), member 3 3815 v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog 8888 T-cell acute lymphocytic leukemia 1 10257 ATP-binding cassette, sub-family C (CFTR/MRP), member 4 57400 protein phosphatase 114 (PP2C domain containing) 4129 monoamine oxidase B 3248 hydroxyprostaglandin dehydrogenase 15-(NAD) 7857 secretogranin II (chromogranin C) 5742 prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase) 1086 carcinoembryonic antigen-related cell adhesion molecule 8 4353 myeloperoxidase 190 nuclear receptor subfamily 0, group B, member 1 339524 hypothetical protein LOC339524 1441 colony stimulating factor 3 receptor (granulocyte) 4051 cyclorome P450, family 4, subfamily F, polypeptide 3 55350 vanin 3 2385 formyl peptide receptor-like 1 3772 potassium inwardy-rectifying channel, subfamily J, member 15 4311 membrane metallo-endopeptidase 3577 interleukin 8 receptor, alpha 3579 interleukin 8 receptor, alpha 3579 interleukin 8 receptor, alpha
Mast cells	NM_003293 TPSAB1 MS4A2 TPSAB1 MS4A2 TPSAB1 GATA2 HDC LOH11CR2A SIGLEC6 ELA2 LOH11CR2A SIGLEC6 PGDS MLPH ADCYAP1 SIGLEC6 PGSS LC24A3 KIT TAL1 ABCC4 PPMTH MAOB HPGD SCG2 PTGS1 CEACAM8 MPO NR0B1 LOC339524 CSF3R CYPAF3 VNN3 FPRL1 KCNJ15 MME IL8RB MME IL8RB MME FCGR3B DYSF KCNJ15	216474 x, at 2107474 x, at 210784 x, at 210784 x, at 217023 x, at 209710_at 217023 x, at 209710_at 2107667, s, at 210796 x, at 210796 x, at 205011_at 205011_at 205020 x, at 2062681_at 206281_at 2050281_at 2050281_at 2050281_at 2050281_at 2050281_at 2050288_at 219090_at 2050283_s_at 201986_at 2050283_s_at 201986_at 2050283_s_at 201986_at 2050283_s_at 201986_at 2050283_at 2050283_at 2050283_at 2050283_at 2050283_at 2050283_at 2050283_at 205028_at 205034_s_at 205034_s_s_at 205034_s_s_s_at 204007_at 218666_s_at 21866_s_s_at	Hs. 405479	7177 tryptase alpha/beta 1 64499 tryptase beta 2 7177 tryptase alpha/beta 1 2208 membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for, beta polypeptide) 7177 tryptase alpha/beta 1 2624 GATA binding protein 2 30367 histlinde edcarboxylase 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 946 slalic acid binding [ol-like lectin 6 1991 elastase 2, neutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chrymase 1, mast cell 946 slalic acid binding [ol-like lectin 6 1791 elastase 2, seutrophil 4013 loss of heterozygosity, 11, chromosomal region 2, gene A 1215 chrymase 1, mast cell 946 slalic acid binding [ol-like lectin 6 1790 grostaglandin D2 synthase, hematopoletic 79083 melanophilin 116 adenylate cyclase activating polypeptide 1 (pituitary) 946 slalic acid binding [ol-like lectin 6 17419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 794 calbindin 2, 20KDa (calretinin) 17419 solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 1815 v-klt Hardy-Zuckeman 4 feline sarcoma viral oncogene homolog 1868 T-cell acute lymphocytic leukemia 1 10257 ATP-binding cassette, sub-family C (CFTR/MRP), member 4 17460 protein phosphatase 1H (PP2C domain containing) 1757 protein phosphatase 1H (PP2C domain containing) 18324 hydroxyprostaglandin dehydrogenase 15-(NAD) 1867 secretogranin II (chromogranin C) 1878 protein phosphatase 1H (protein phosphatase 1) 1880 carcinoembryonic antigen-related cell adhesion molecule 8 1835 myeloperoxidase 190 nuclear receptor subfamily 0, group B, member 1 183524 hydroxyprostaglandin adhydrogenase 15-(NAD) 1879 solutear protein phosphatase 14 (protein phosphatase 14 (protein phosphatase 15 (p

Neutrophils	HIST1H2BC	214455_at	Hs.658713	8347 histone cluster 1, H2bc
Neutrophils Neutrophils	HPSE FLJ11151	219403_s_at 218610_s_at	Hs.44227 Hs.460002, Hs.56044	10855 heparanase 55313 hypothetical protein FLJ11151
Neutrophils	CREB5	205931_s_at	Hs.437075	9586 cAMP responsive element binding protein 5
Neutrophils Neutrophils	S100A12 FCGR3B	205863_at 204006_s_at	Hs.19413 Hs.372679	6283 S100 calcium binding protein A12 2215 Fc fragment of IgG, low affinity IIIb, receptor (CD16b)
Neutrophils	TNFRSF10C	211163_s_at	Hs.655801	8794 tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain
Neutrophils Neutrophils	SLC22A4 KIAA0329	205896_at 204307_at	Hs.310591, Hs.64010 Hs.195667	6583 solute carrier family 22 (organic cation transporter), member 4 9895 KIAA0329
Neutrophils	SLC25A37	218136_s_at	Hs.122514, Hs.59602	51312 solute carrier family 25, member 37
Neutrophils Neutrophils	BST1 FCAR	205715_at 207674_at	Hs.169998 Hs.659872	683 bone marrow stromal cell antigen 1  2204 Fc fragment of IgA, receptor for
Neutrophils	CEACAM3	208052_x_at	Hs.11	1084 carcinoembryonic antigen-related cell adhesion molecule 3
Neutrophils Neutrophils	CRISPLD2 TNFRSF10C	221541_at 206222_at	Hs.513779 Hs.655801	83716 cysteine-rich secretory protein LCCL domain containing 2 8794 tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain
Neutrophils	G0S2	213524_s_at	Hs.432132	50486 G0/G1switch 2
Neutrophils Neutrophils	SIGLEC5 CD93	220000_at 202878 s at	Hs.310333 Hs.97199	8778 sialic acid binding Ig-like lectin 5 22918 CD93 molecule
Neutrophils	MGAM	206522_at	Hs.122785	8972 maltase-glucoamylase (alpha-glucosidase)
Neutrophils Neutrophils	ALPL FPR1	215783_s_at 205119_s_at		249 alkaline phosphatase, liver/bone/kidney 2357 formyl peptide receptor 1
Neutrophils	CD93 PDE4B	202877_s_at 222326 at	Hs.97199	22918 CD93 molecule
Neutrophils Neutrophils	LILRB2	222326_at 210146_x_at	Hs.198072 Hs.655652	5142 phosphodiesterase 4B, cAMP-specific (phosphodiesterase E4 dunce homolog, Drosophila)  10288 leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2
SW480 cancer cells SW480 cancer cells	KRT5 RBP1	201820_at 203423_at	Hs.433845, Hs.66106 Hs.529571	3852 keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types) 5947 retinol binding protein 1, cellular
SW480 cancer cells	TRIM29	202504_at	Hs.504115	23650 tripartite motif-containing 29
SW480 cancer cells SW480 cancer cells	DEFA5 BMP4	207529_at 211518_s_at	Hs.655233	1670 defensin, alpha 5, Paneth cell-specific 652 bone morphogenetic protein 4
SW480 cancer cells	EEF1A2	204540_at	Hs.433839	1917 eukaryotic translation elongation factor 1 alpha 2
SW480 cancer cells	VSNL1	203797_at	Hs.444212 Hs.298351	7447 visinin-like 1
SW480 cancer cells SW480 cancer cells	ASPSCR1 IGF2	218908_at 202409_at	Hs.272259, Hs.52341	79058 alveolar soft part sarcoma chromosome region, candidate 1 3481 insulin-like growth factor 2 (somatomedin A)
SW480 cancer cells SW480 cancer cells	MFAP2 FGF3	203417_at 214571_at	Hs.389137	4237 microfibrillar-associated protein 2
SW480 cancer cells	S100A2	204268_at	Hs.37092 Hs.516484	2248 fibroblast growth factor 3 (murine mammary tumor virus integration site (v-int-2) oncogene homolog) 6273 S100 calcium binding protein A2
SW480 cancer cells SW480 cancer cells	INHBB JAG2	205258_at 209784_s_at	Hs.1735	3625 inhibin, beta B
SW480 cancer cells	LOC89944	213713_s_at		3714 jagged 2 89944 hypothetical protein BC008326
SW480 cancer cells	BAMBI JAG2	203304_at	Hs.533336	25805 BMP and activin membrane-bound inhibitor homolog (Xenopus laevis)
SW480 cancer cells SW480 cancer cells	BMP7	32137_at 209591_s_at		3714 jagged 2 655 bone morphogenetic protein 7 (osteogenic protein 1)
SW480 cancer cells SW480 cancer cells	RPP25 RHOD	219143_s_at 209885_at		54913 ribonuclease P/MRP 25kDa subunit 29984 ras homolog gene family, member D
SW480 cancer cells	DHRS2	214079_at	Hs.272499	10202 dehydrogenase/reductase (SDR family) member 2
SW480 cancer cells	ITGB4	204989_s_at		3691 integrin, beta 4
SW480 cancer cells SW480 cancer cells	NTSR1 STRA6	207360_s_at 221701_s_at		4923 neurotensin receptor 1 (high affinity)  64220 stimulated by retinoic acid gene 6 homolog (mouse)
SW480 cancer cells	SLC1A5		Hs.631582	6510 solute carrier family 1 (neutral amino acid transporter), member 5
SW480 cancer cells SW480 cancer cells	VSNL1 FKBP4	203798_s_at 200894_s_at		7447 visinin-like 1 2288 FK506 binding protein 4, 59kDa
SW480 cancer cells	S100A3 TEAD4	206027_at 41037_at	Hs.557609 Hs.94865	6274 S100 calcium binding protein A3
SW480 cancer cells SW480 cancer cells	KLK6	204733_at	Hs.79361	7004 TEA domain family member 4  5653 kallikrein-related peptidase 6
SW480 cancer cells	CCND1	208711_s_at 219733_s_at	Hs.523852	595 cyclin D1
SW480 cancer cells SW480 cancer cells	SLC27A5 HOXA9	214651_s_at		10998 solute carrier family 27 (fatty acid transporter), member 5 3205 homeobox A9
SW480 cancer cells SW480 cancer cells	F12 LRFN4	205774_at 219491 at	Hs.1321 Hs.209979, Hs.68452	2161 coagulation factor XII (Hageman factor) 78999 leucine rich repeat and fibronectin type III domain containing 4
SW480 cancer cells	NM_024609	218678_at	Hs.527971	10763 nestin
SW480 cancer cells SW480 cancer cells	SLC6A8 PCTK1	210854_x_at 207239 s at		6535 solute carrier family 6 (neurotransmitter transporter, creatine), member 8 5127 PCTAIRE protein kinase 1
SW480 cancer cells	SLC6A8	213843_x_at	Hs.540696	6535 solute carrier family 6 (neurotransmitter transporter, creatine), member 8
SW480 cancer cells Normal mucosa	KRT13 TSPAN8	207935_s_at 203824 at	Hs.654550 Hs.170563	3860 keratin 13 7103 tetraspanin 8
Normal mucosa	LGALS4		Hs.5302	3960 lectin, galactoside-binding, soluble, 4 (galectin 4)
Normal mucosa Normal mucosa	DCN COL3A1	201893_x_at	Hs.694789 Hs.443625, Hs.69379	1634 decorin 1281 collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant)
Normal mucosa	COL3A1	201852_x_at	Hs.443625, Hs.69379	1281 collagen, type III, alpha 1 (Ehlers-Danios syndrome type IV, autosomal dominant)
Normal mucosa Normal mucosa	CEACAM5 TAGLN	201884_at 205547_s_at	Hs.466814	1048 carcinoembryonic antigen-related cell adhesion molecule 5 6876 transgelin
Normal mucosa	KRT20	213953_at	Hs.84905	54474 keratin 20
Normal mucosa Normal mucosa	DCN MYH11	211896_s_at 201497_x_at	Hs.694789	1634 decorin 4629 myosin, heavy chain 11, smooth muscle
Normal mucosa	FXYD3	202489_s_at	Hs.301350	5349 FXYD domain containing ion transport regulator 3
Normal mucosa	ACTG2 MYLK	202274_at	Hs.516105	72 actin, gamma 2, smooth muscle, enteric 4638 myosin, light chain kinase
Normal mucosa Normal mucosa	TPM1	202555_s_at 210987_x_at	Hs.133892	7168 tropomyosin 1 (alpha)
Normal mucosa	CDH17 NFIB	209847_at 209289_at	Hs.591853 Hs.370359	1015 cadherin 17, Ll cadherin (liver-intestine) 4781 nuclear factor I/B
Normal mucosa	MGP	202291_s_at		4256 matrix Gla protein
Normal mucosa	SPARCL1 RGS5	200795_at	Hs.62886	8404 SPARC-like 1 (mast9, hevin)
Normal mucosa Normal mucosa	MYH11	209071_s_at 207961_x_at		8490 regulator of G-protein signaling 5 4629 myosin, heavy chain 11, smooth muscle
Normal mucosa Normal mucosa	PPAP2B COL3A1	212226_s_at	Hs.405156, Hs.63879 Hs.443625, Hs.69379	8613 phosphatidic acid phosphatase type 2B 1281 collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant)
INUITIBLI HIUCOSA				
Normal mucosa	IGFBP7	201162_at	Hs.479808, Hs.65210	3490 insulin-like growth factor binding protein 7
Normal mucosa	IGFBP7 PPAP2B	201162_at 209355_s_at	Hs.479808, Hs.65210 Hs.405156, Hs.63879	8613 phosphatidic acid phosphatase type 2B
Normal mucosa Normal mucosa	IGFBP7 PPAP2B CALD1 C1R	201162_at 209355_s_at 201616_s_at 212067_s_at	Hs.479808, Hs.65210 Hs.405156, Hs.63879 Hs.490203	
Normal mucosa Normal mucosa Normal mucosa Normal mucosa	IGFBP7 PPAP2B CALD1 C1R CALD1	201162_at 209355_s_at 201616_s_at 212067_s_at 212077_at	Hs.479808, Hs.65210 Hs.405156, Hs.63879 Hs.490203 Hs.524224 Hs.490203	8613 phosphatidic acid phosphatase type 2B 800 caldesmon 1 715 complement component 1, r subcomponent 800 caldesmon 1
Normal mucosa	IGFBP7 PPAP2B CALD1 C1R CALD1 AGR2 GNA11	201162_at 209355_s_at 201616_s_at 212067_s_at 212077_at 209173_at 564_at	Hs.479808, Hs.65210 Hs.405156, Hs.63879 Hs.490203 Hs.524224 Hs.490203 Hs.530009 Hs.278432, Hs.65478	8613 phosphatidic acid phosphatase type 2B 800 caldesmon 1 715 complement component 1, r subcomponent 800 caldesmon 1 10551 anterior gradient homolog 2 (Xenopus laevis) 2767 guanine nucleotide binding protein (G protein), alpha 11 (Gq class)
Normal mucosa	IGFBP7 PPAP2B CALD1 C1R CALD1 AGR2 GNA11 HEPH	201162_at 209355_s_at 201616_s_at 212067_s_at 212077_at 209173_at 564_at 203903_s_at	Hs.479808, Hs.65210 Hs.405156, Hs.63879 Hs.490203 Hs.524224 Hs.490203 Hs.530009 Hs.278432, Hs.65478 Hs.31720	8613 phosphatidic acid phosphatase type 2B 800 caldesmon 1 715 complement component 1, r subcomponent 800 caldesmon 1 10551 anterior gradient homolog 2 (Xenopus laevis) 2767 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 9843 hephaestin
Normal mucosa Normal mucosa Normal mucosa Normal mucosa Normal mucosa	IGFBP7 PPAP2B CALD1 C1R CALD1 AGR2 GNA11	201162_at 209355_s_at 201616_s_at 212067_s_at 212077_at 209173_at 564_at 203903_s_at 213944_x_at 212294_at	Hs.479808, Hs.65210 Hs.405156, Hs.63879 Hs.490203 Hs.524224 Hs.490203 Hs.530009 Hs.278432, Hs.65478 Hs.31720 Hs.278432, Hs.65478 Hs.431101	8613 phosphatidic acid phosphatase type 2B 800 caldesmon 1 715 complement component 1, r subcomponent 800 caldesmon 1 10551 anterior gradient homolog 2 (Xenopus laevis) 2767 guanine nucleotide binding protein (G protein), alpha 11 (Gq class)
Normal mucosa	IGFBP7 PPAP2B CALD1 C1R CALD1 AGR2 GNA11 HEPH GNA11 GNG12 ADH1B	201162_at 209355_s_at 201616_s_at 212067_s_at 212077_at 209173_at 564_at 203903_s_at 213944_x_at 212294_at 209612_s_at	Hs 479808, Hs 65210 Hs 490203 Hs 524224 Hs 490203 Hs 520203 Hs 530009 Hs 278432, Hs 65476 Hs 31720 Hs 278432, Hs 65478 Hs 431101 Hs 441101	8613 phosphaldic acid phosphatase type 2B 800 caldesmon 1 715 complement component 1, r subcomponent 800 caldesmon 1 10551 anterior gradient homolog 2 (Xenopus laevis) 2767 guarnine nucleotide binding protein (G protein), alpha 11 (Gq class) 9843 hephaestin 2767 guarnine nucleotide binding protein (G protein), alpha 11 (Gq class) 55970 guarnine nucleotide binding protein (G protein), alpma 12 125 alcohol dehydrogenase IB (class I), beta polypeptide
Normal mucosa	IGFBP7 PPAP2B CALD1 C1R CALD1 AGR2 GNA11 HEPH GNA11 GNG12	201162_at 209355_s_at 201616_s_at 212067_s_at 212077_at 209173_at 564_at 203903_s_at 213944_x_at 212294_at 209612_s_at 206116_s_at	Hs 479808, Hs 65210 Hs 405156, Hs 63878 Hs 409203 Hs 524224 Hs 430203 Hs 530009 Hs 278432, Hs 65478 Hs 31720 Hs 278432, Hs 65478 Hs 431701 Hs 44 Hs 133892	8613 phosphatidic acid phosphatase type 2B 800 caldesmon 1 715 complement component 1, r subcomponent 800 caldesmon 1 10551 anterior gradient homolog 2 (Xenopus laevis) 2767 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 9843 hephaestin 2767 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 55970 guanine nucleotide binding protein (G protein), alpha 11 (Gq class)
Normal mucosa Normal mucosa	IGFBP7 PPAP2B CALD1 C1R CALD1 AGR2 GNA11 HEPH GNA11 GNG12 ADH1B TPM1 CRIM1 FBLN1	201162 at 209355 s, at 212067 s, at 212067 s, at 212077, at 209173 at 564 at 203903 s, at 213944 x, at 209612 s, at 209612 s, at 202551 s, at 202994, s, at	Hs 479808, Hs 65210 Hs 490203 Hs 524224 Hs 490203 Hs 524224 Hs 490203 Hs 278432, Hs 65476 Hs 231720 Hs 278432, Hs 65478 Hs 431101 Hs 4 Hs 133892 Hs 133892 Hs 133892 Hs 132847 Hs 24601	8613 phosphaldic acid phosphatase type 2B 800 caldesmon 1 715 complement component 1, r subcomponent 800 caldesmon 1 10551 anterior gradient homolog 2 (Xenopus laevis) 2767 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 9843 hephaestin 2767 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 5970 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 55970 guanine nucleotide binding protein (G protein), agmma 12 125 alcohol dehydrogenase IB (class I), beta polypeptide 7168 tropomyosin 1 (alpha) 51232 cysteine rich transmembrane BMP regulator 1 (chordin-like) 2192 fibilin 1
Normal mucosa Normal mucosa	IGFBP7 PPAP2B CALD1 C1R CALD1 AGR2 GNA11 HEPH GNA11 GNG12 ADH1B TPM1 CRIM1	201162_at 209355_s_at 201616_s_at 212067_s_at 212077_at 209173_at 564_at 203903_s_at 213944_x_at 212294_at 209612_s_at 206116_s_at 202551_s_at	Hs 479808, Hs 65210 Hs 490166, Hs 63879 Hs 490203 Hs 524224 Hs 490203 Hs 530009 Hs 278432, Hs 65478 Hs 278432, Hs 65478 Hs 431101 Hs 441101 Hs 44 Hs 133882 Hs 33382	8613 phosphaldic acid phosphatase type 2B 800 caldesmon 1 715 complement component 1, r subcomponent 800 caldesmon 1 10551 anterior gradient homolog 2 (Xenopus laevis) 2767 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 9843 hephaestin 2767 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 55970 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 126 alcohol dehydrogenase IB (class I), beta polypeptide 7168 tropomyosin 1 (alpha) 51232 cysteine rich transmembrane BMP regulator 1 (chordin-like)
Normal mucosa Normal mucosa	IGFBP7 PPAP2B CALD1 C1R CALD1 AGR2 GNA11 HEPH GNA11 GNC12 ADH1B TPM1 CRIM1 FBLN1 IGFBP5 LAMA4 CAV1	201162 at 209355 s, at 201616 s, at 212067 s, at 212077 at 564 at 203903 s, at 213944 x, at 212294 at 209612 s, at 206116 s, at 202551 s, at 211959 at 212202 s, at 212209 at 2122097 at 2122097 at	Hs 479808, Hs 65210 Hs 405156, Hs 63878 Hs 409203 Hs 524224 Hs 490203 Hs 530009 Hs 278432, Hs 65478 Hs 31720 Hs 278432, Hs 65478 Hs 31720 Hs 431101 Hs 4 Hs 133892 Hs 332847 Hs 2654572 Hs 635441 Hs 635441 Hs 635441	8613 phosphaldic acid phosphatase type 2B 800 caldesmon 1 715 complement component 1, r subcomponent 800 caldesmon 1 10551 anterior gradient homolog 2 (Xenopus laevis) 2767 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 9843 hephaestin 2767 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 55970 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 55970 guanine nucleotide binding protein (G protein), amma 12 125 alcohol dehydrogenase IB (class I), beta polypeptide 7168 tropomyosin 1 (alpha) 51232 cysteine rich transmembrane BMP regulator 1 (chordin-like) 2192 fibulin 1 3488 insulin-like growth factor binding protein 5 3910 laminin, alpha 4 857 caveolin 1, caveolae protein, 22kDa
Normal mucosa Normal mucosa	IGFBP7 PPAP2B CALD1 C1R CALD1 AGR2 GNA11 HEPH GNA11 GNG12 ADH1B TPM1 CRIM1 FBLN1 IGFBP5 LAMA4 CAV1 WASL CDH5	201162, at 201816, s. at 201816, s. at 212067, s. at 212077, at 209173, at 564, at 203903, s. at 213944, x. at 212294, at 209016, s. at 202551, s. at 211959, at 211959, at 212097, at 202509, s. at 212097, at 2026095, at 202607, at 204677, at 204677, at 209308, s. at 211959, at 202609, s. at 212097, at 202609, s. at 204677, at 204677, at 205809, s. at 204677, at 205809, s. at 204677, at 205809, s. at 2019097, at 204677, at 205809, s. at 205809, s. at 205809, s. at 204677, at 205809, s. at 205809,	Hs 479808, Hs 65210 Hs 405166, Hs 63878 Hs 409203 Hs 524224 Hs 490203 Hs 530009 Hs 530009 Hs 278432, Hs 65478 Hs 31720 Hs 278432, Hs 65478 Hs 133892 Hs 332847 Hs 333841 Hs 65441 Hs 654572 Hs 654572 Hs 654572 Hs 674034 Hs 143728 Hs 143728	8613 phosphaldic acid phosphatase type 2B 800 caldesmon 1 715 complement component 1, r subcomponent 800 caldesmon 1 10551 anterior gradient homolog 2 (Xenopus laevis) 2767 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 9843 hephaestin 2767 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 55970 guanine nucleotide binding protein (G protein), apmma 12 125 alcohol dehydrogenase IB (class I), beta polypeptide 7168 tropomyosin 1 (alpha) 51232 cysteine rich transmembrane BMP regulator 1 (chordin-like) 2192 fibulin 1 3488 insulin-like growth factor binding protein 5 3910 laminin, alpha 4 857 caveolin 1, caveolae protein, 22kDa 8976 Wiskott-Aldrich syndrome-like 1003 cadderin 5, type 2, VE-cadherin (vascular epithelium)
Normal mucosa	IGFBP7 PPAP2B CALD1 C1R CALD1 AGR2 GNA11 HEPH GNA11 GNG12 ADH1B TPM1 CRIM1 FBLN1 IGFBP5 LAMA4 CAV1 WASL	201162, at 201816, s. at 201816, s. at 212067, at 212077, at 212077, at 209173, at 564, at 203903, s. at 213944, x. at 209812, s. at 209812, s. at 2029551, s. at 202994, s. at 212994, at 212999, at 212997, at 202202, s. at 212097, at 2055809, s. at 2059809, s. at 2055809, s. at 2055809, s. at 2055809, s. at 205809, s. at 205809, s. at 205809, s. at 20097, at 2055809, s. at 20097, at 2005809, s. at 20097, at	Hs 479808, Hs 65210 Hs 490166, Hs 63879 Hs 490203 Hs 524224 Hs 490203 Hs 530009 Hs 278432, Hs 65478 Hs 278432, Hs 65478 Hs 431101 Hs 4 Hs 133892 Hs 632847 Hs 635441 Hs 654572 Hs 74034 Hs 143788	8613 phosphaldic acid phosphatase type 2B 800 caldesmon 1 715 complement component 1, r subcomponent 800 caldesmon 1 10551 anterior gradient homolog 2 (Xenopus laevis) 2767 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 9843 hephaestin 2767 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 55970 guanine nucleotide binding protein (G protein), alpha 11 (Gq class) 55970 guanine nucleotide binding protein (G protein), anna 12 125 alcohol dehydrogenase IB (class I), beta polypeptide 7168 tropomyosin 1 (alpha) 51232 cysteine rich transmembrane BMP regulator 1 (chordin-like) 2192 fibulin 1 3488 insulin-like growth factor binding protein 5 3910 laminin, alpha 4 857 caveolin 1, caveolae protein, 22kDa 8976 Wiskott-Aldrich syndrome-like