

Symbol	ID	Name	Synonyms	Chromoso	Category
AZGP1	563	alpha-2-g ZA2G ZAG		7	Antigen_Processing_and_Presentation
B2M	567	beta-2-mi MD43		15	Antigen_Processing_and_Presentation
CALR	811	calreticulin CRT HEL-S		19	Antigen_Processing_and_Presentation
CANX	821	calnexin CNX IP90 F		5	Antigen_Processing_and_Presentation
CD1A	909	CD1a moleCD1 FCB6		1	Antigen_Processing_and_Presentation
CD1B	910	CD1b moleCD1 CD1A		1	Antigen_Processing_and_Presentation
CD1C	911	CD1c moleBDCA1 CD		1	Antigen_Processing_and_Presentation
CD1D	912	CD1d moleCD1A R3 R		1	Antigen_Processing_and_Presentation
CD1E	913	CD1e moleCD1A R2		1	Antigen_Processing_and_Presentation
CD4	920	CD4 molecCD4mut		12	Antigen_Processing_and_Presentation
CD8A	925	CD8a moleCD8 Leu2 f		2	Antigen_Processing_and_Presentation
CD8B	926	CD8b moleCD8B1 LEL		2	Antigen_Processing_and_Presentation
CD74	972	CD74 moleDHLA HL		5	Antigen_Processing_and_Presentation
CREB1	1385	cAMP resp CREB CREE		2	Antigen_Processing_and_Presentation
CTSB	1508	cathepsin f APPS CPSE		8	Antigen_Processing_and_Presentation
CTSE	1510	cathepsin f CATE		1	Antigen_Processing_and_Presentation
CTSL	1514	cathepsin f CATL CTSL		9	Antigen_Processing_and_Presentation
CTSS	1520	cathepsin f-		1	Antigen_Processing_and_Presentation
FCER1G	2207	Fc fragmer FCRG		1	Antigen_Processing_and_Presentation
FCGRT	2217	Fc fragmer FCRN alph.		19	Antigen_Processing_and_Presentation
PDIA3	2923	protein dis ER60 Erp5		15	Antigen_Processing_and_Presentation
HFE	3077	homeostat HFE1 HH f-		6	Antigen_Processing_and_Presentation
HLA-A	3105	major histcHLAA		6	Antigen_Processing_and_Presentation
HLA-B	3106	major histcAS B-4901		6	Antigen_Processing_and_Presentation
HLA-C	3107	major histcD6S204 HL		6	Antigen_Processing_and_Presentation
HLA-DMA	3108	major histcD6S222E D		6	Antigen_Processing_and_Presentation
HLA-DMB	3109	major histcD6S221E R		6	Antigen_Processing_and_Presentation
HLA-DOA	3111	major histcHLA-DNA		6	Antigen_Processing_and_Presentation
HLA-DOB	3112	major histcDOB HLA_		6	Antigen_Processing_and_Presentation
HLA-DPA1	3113	major histcDP(W3) DF		6	Antigen_Processing_and_Presentation
HLA-DPB1	3115	major histcDPB1 HLA-		6	Antigen_Processing_and_Presentation
HLA-DQA:	3117	major histcCELIAC1 D		6	Antigen_Processing_and_Presentation
HLA-DQA:	3118	major histcDC-alpha f		6	Antigen_Processing_and_Presentation
HLA-DQB1	3119	major histcCELIAC1 H		6	Antigen_Processing_and_Presentation
HLA-DRA	3122	major histcHLA-DRA1		6	Antigen_Processing_and_Presentation
HLA-DRB1	3123	major histcDRB1 HLA-		6	Antigen_Processing_and_Presentation
HLA-DRB3	3125	major histcDRB3 HLA-		6	Antigen_Processing_and_Presentation
HLA-DRB4	3126	major histcDR4 DRB4		6	Antigen_Processing_and_Presentation
HLA-DRB5	3127	major histc-		6	Antigen_Processing_and_Presentation
HLA-E	3133	major histcHLA-6.2 Q		6	Antigen_Processing_and_Presentation
HLA-F	3134	major histcCDA12 HL		6	Antigen_Processing_and_Presentation
HLA-G	3135	major histcMHC-G		6	Antigen_Processing_and_Presentation
HLA-H	3136	major histcHLAHP		6	Antigen_Processing_and_Presentation
MR1	3140	major histcHLALS		1	Antigen_Processing_and_Presentation
HSPA1A	3303	heat shock HEL-S-103		6	Antigen_Processing_and_Presentation
HSPA1B	3304	heat shock HSP70-1 f-		6	Antigen_Processing_and_Presentation
HSPA1L	3305	heat shock HSP70-1L		6	Antigen_Processing_and_Presentation
HSPA2	3306	heat shock HSP70-2 f-		14	Antigen_Processing_and_Presentation
HSPA4	3308	heat shock APG-2 HEL		5	Antigen_Processing_and_Presentation
HSPA5	3309	heat shock BIP GRP78		9	Antigen_Processing_and_Presentation
HSPA6	3310	heat shock HSP70B'		1	Antigen_Processing_and_Presentation
HSPA8	3312	heat shock HEL-33 HE		11	Antigen_Processing_and_Presentation
HSP90AA1	3320	heat shock EL52 HEL-3		14	Antigen_Processing_and_Presentation
HSP90AB1	3326	heat shock D6S182 HS		6	Antigen_Processing_and_Presentation
ICAM1	3383	intercellula BB2 CD54 f		19	Antigen_Processing_and_Presentation
IFNA1	3439	interferon f FL f f f f		9	Antigen_Processing_and_Presentation
IFNA2	3440	interferon f fN-alpha-		9	Antigen_Processing_and_Presentation

IFNA4	3441 interferon :IFN-alpha4	9 Antigen_Processing_and_Presentation
IFNA5	3442 interferon :IFN-alpha-	9 Antigen_Processing_and_Presentation
IFNA6	3443 interferon :IFN-alpha6	9 Antigen_Processing_and_Presentation
IFNA7	3444 interferon :IFN-alpha7	9 Antigen_Processing_and_Presentation
IFNA8	3445 interferon :IFN-alpha8	9 Antigen_Processing_and_Presentation
IFNA10	3446 interferon :IFN-alpha(9 Antigen_Processing_and_Presentation
IFNA13	3447 interferon :-	9 Antigen_Processing_and_Presentation
IFNA14	3448 interferon :IFN-alpha4	9 Antigen_Processing_and_Presentation
IFNA16	3449 interferon :IFN-alpha-	9 Antigen_Processing_and_Presentation
IFNA17	3451 interferon :IFN-alpha1	9 Antigen_Processing_and_Presentation
IFNA21	3452 interferon :IFN-alpha1	9 Antigen_Processing_and_Presentation
IFNG	3458 interferon :IFG IFI	12 Antigen_Processing_and_Presentation
KIR2DL1	3802 killer cell irCD158A KI	19 Antigen_Processing_and_Presentation
KIR2DL2	3803 killer cell irCD158B1 C	19 Antigen_Processing_and_Presentation
KIR2DL3	3804 killer cell irCD158B2 C	19 Antigen_Processing_and_Presentation
KIR2DL4	3805 killer cell irCD158D G'	19 Antigen_Processing_and_Presentation
KIR2DS1	3806 killer cell irCD158H CI	19 Antigen_Processing_and_Presentation
KIR2DS3	3808 killer cell irNKAT7	19 Antigen_Processing_and_Presentation
KIR2DS4	3809 killer cell irCD158I KIR	19 Antigen_Processing_and_Presentation
KIR2DS5	3810 killer cell irCD158G N	19 Antigen_Processing_and_Presentation
KIR3DL1	3811 killer cell irCD158E1 K	19 Antigen_Processing_and_Presentation
KIR3DL2	3812 killer cell ir3DL2 CD15	19 Antigen_Processing_and_Presentation
KLRC1	3821 killer cell leCD159A NI	12 Antigen_Processing_and_Presentation
KLRC2	3822 killer cell leCD159c NI	12 Antigen_Processing_and_Presentation
KLRC3	3823 killer cell leNKG2-E NI	12 Antigen_Processing_and_Presentation
KLRD1	3824 killer cell leCD94	12 Antigen_Processing_and_Presentation
LTA	4049 lymphotoxLT TNFB TN	6 Antigen_Processing_and_Presentation
CIITA	4261 class II maj C2TA CIITA	16 Antigen_Processing_and_Presentation
MICA	1.01E+08 MHC class MIC-A PER	6 Antigen_Processing_and_Presentation
MICB	4277 MHC class PERB11.2	6 Antigen_Processing_and_Presentation
NFYA	4800 nuclear tra CBF-A CBF	6 Antigen_Processing_and_Presentation
NFYB	4801 nuclear tra CBF-A CBF	12 Antigen_Processing_and_Presentation
NFYC	4802 nuclear tra CBF-C CBF	1 Antigen_Processing_and_Presentation
LGMN	5641 legumain AEP LGMN	14 Antigen_Processing_and_Presentation
PSMB8	5696 proteasomALDD D6S:	6 Antigen_Processing_and_Presentation
PSMC1	5700 proteasomP26S4 S4 p	14 Antigen_Processing_and_Presentation
PSMC2	5701 proteasomMSS1 Nbla	7 Antigen_Processing_and_Presentation
PSMC3	5702 proteasomTBP1	11 Antigen_Processing_and_Presentation
PSMC4	5704 proteasomMIP224 RP	19 Antigen_Processing_and_Presentation
PSMC5	5705 proteasomS8 SUG-1 S	17 Antigen_Processing_and_Presentation
PSMC6	5706 proteasomSUG2 p42	14 Antigen_Processing_and_Presentation
PSMD1	5707 proteasomP112 Rpn2	2 Antigen_Processing_and_Presentation
PSMD2	5708 proteasomP97 RPN1 S	3 Antigen_Processing_and_Presentation
PSMD3	5709 proteasomP58 RPN3 S	17 Antigen_Processing_and_Presentation
PSMD4	5710 proteasomAF AF-1 A'	1 Antigen_Processing_and_Presentation
PSMD5	5711 proteasomS5B	9 Antigen_Processing_and_Presentation
PSMD7	5713 proteasomMOV34 P4	16 Antigen_Processing_and_Presentation
PSMD8	5714 proteasomHEL-S-91r	19 Antigen_Processing_and_Presentation
PSMD10	5716 proteasomdJ889N15.:X	Antigen_Processing_and_Presentation
PSMD11	5717 proteasomRpn6 S9 p4	17 Antigen_Processing_and_Presentation
PSMD13	5719 proteasomHSPC027 F	11 Antigen_Processing_and_Presentation
PSME1	5720 proteasomHEL-S-12C	14 Antigen_Processing_and_Presentation
PSME1	5720 proteasomHEL-S-12C	14 Antigen_Processing_and_Presentation
PSME2	5721 proteasomPA28B PA2	14 Antigen_Processing_and_Presentation
PSME2	5721 proteasomPA28B PA2	14 Antigen_Processing_and_Presentation
RELB	5971 RELB protcl-REL IMDf	19 Antigen_Processing_and_Presentation
RFX5	5993 regulatory -	1 Antigen_Processing_and_Presentation
RFXAP	5994 regulatory -	13 Antigen_Processing_and_Presentation

SLC10A2	6555 solute carrier	13 Antigen Processing and Presentation
TAP1	6890 transporter ABC17	6 Antigen Processing and Presentation
TAP2	6891 transporter ABC18	6 Antigen Processing and Presentation
TAPBP	6892 TAP binding	6 Antigen Processing and Presentation
THBS1	7057 thrombospondin	15 Antigen Processing and Presentation
SEM1	7979 SEM1 26S	7 Antigen Processing and Presentation
KLRC4	8302 killer cell lectin	12 Antigen Processing and Presentation
AP3B1	8546 adaptor related	5 Antigen Processing and Presentation
RFXANK	8625 regulatory ANKRA1	19 Antigen Processing and Presentation
PSMD6	9861 proteasome Rpn7	3 Antigen Processing and Presentation
PSME3	10197 proteasome HEL-S-28	17 Antigen Processing and Presentation
PSMD14	10213 proteasome PAD1	2 Antigen Processing and Presentation
CLEC4M	10332 C-type lectin	19 Antigen Processing and Presentation
IFI30	10437 IFI30 lysosomal	19 Antigen Processing and Presentation
PROCR	10544 protein C receptor	20 Antigen Processing and Presentation
ADRM1	11047 adhesion related	20 Antigen Processing and Presentation
ECPAS	23392 Ecm29 protein	9 Antigen Processing and Presentation
TRPC4AP	26133 transient receptor	20 Antigen Processing and Presentation
CD209	30835 CD209 molecule	19 Antigen Processing and Presentation
UBXN1	51035 UBX domain	11 Antigen Processing and Presentation
ERAP1	51752 endoplasmic	5 Antigen Processing and Presentation
TAPBPL	55080 TAP binding	12 Antigen Processing and Presentation
KIR2DL5A	57292 killer cell	19 Antigen Processing and Presentation
ERAP2	64167 endoplasmic	5 Antigen Processing and Presentation
ULBP3	79465 UL16 binding	6 Antigen Processing and Presentation
ULBP2	80328 UL16 binding	6 Antigen Processing and Presentation
ULBP1	80329 UL16 binding	6 Antigen Processing and Presentation
KIR3DL3	115653 killer cell	19 Antigen Processing and Presentation
RAET1E	135250 retinoic acid	6 Antigen Processing and Presentation
RAET1L	154064 retinoic acid	6 Antigen Processing and Presentation
UBR1	197131 ubiquitin	15 Antigen Processing and Presentation
RAET1G	353091 retinoic acid	6 Antigen Processing and Presentation
PDIA2	64714 protein disulfide	16 Antigen Processing and Presentation
HAMP	57817 hepcidin	19 Antimicrobials
PI3	5266 peptidase	20 Antimicrobials
CAMP	820 cathelicidin	3 Antimicrobials
DEFB4A	1673 defensin	8 Antimicrobials
PPBP	5473 pro-platelet	4 Antimicrobials
REG3G	130120 regenerating	2 Antimicrobials
CXCL14	9547 C-X-C motif	5 Antimicrobials
CXCL16	58191 C-X-C motif	17 Antimicrobials
SLPI	6590 secretory	20 Antimicrobials
CXCL8	3576 C-X-C motif	4 Antimicrobials
CXCL10	3627 C-X-C motif	4 Antimicrobials
CXCL9	4283 C-X-C motif	4 Antimicrobials
CXCL5	6374 C-X-C motif	4 Antimicrobials
CXCL11	6373 C-X-C motif	4 Antimicrobials
CXCL6	6372 C-X-C motif	4 Antimicrobials
CXCL1	2919 C-X-C motif	4 Antimicrobials
CXCL12	6387 C-X-C motif	10 Antimicrobials
CXCL13	10563 C-X-C motif	4 Antimicrobials
CXCL2	2920 C-X-C motif	4 Antimicrobials
PF4	5196 platelet factor	4 Antimicrobials
XCL1	6375 X-C motif	1 Antimicrobials
CXCL3	2921 C-X-C motif	4 Antimicrobials
DEFB103B	55894 defensin	8 Antimicrobials
CCL13	6357 C-C motif	17 Antimicrobials
CCL1	6346 C-C motif	17 Antimicrobials

DEFB1	1672 defensin b BD1 DEFB-	8 Antimicrobials
CCL8	6355 C-C motif HC14 MCP	17 Antimicrobials
ELANE	1991 elastase, n ELA2 GE H	19 Antimicrobials
DEFB103A	414325 defensin b BD-3 DEFB	8 Antimicrobials
DEFA3	1668 defensin a DEF3 HNP-	8 Antimicrobials
DEFA1	1667 defensin a DEF1 DEFA	8 Antimicrobials
TMSB10	9168 thymosin k MIG12 TB1	2 Antimicrobials
DEFA6	1671 defensin a DEF6 HD-6	8 Antimicrobials
DEFA5	1670 defensin a DEF5 HD-5	8 Antimicrobials
DEFA4	1669 defensin a DEF4 HNP-	8 Antimicrobials
LCN2	3934 lipocalin 2 24p3 MSF	9 Antimicrobials
LCN1	3933 lipocalin 1 PMFA TLC	9 Antimicrobials
COLEC10	10584 collectin s 3MC3 CL-3	8 Antimicrobials
BPI	671 bactericidaBPIFD1 rBF	20 Antimicrobials
S100A9	6280 S100 calci 60B8AG C/	1 Antimicrobials
S100A8	6279 S100 calci 60B8AG C/	1 Antimicrobials
DCD	117159 dermcidin A DD DCD	12 Antimicrobials
LCN6	158062 lipocalin 6 LCN5 UNQ	9 Antimicrobials
S100A12	6283 S100 calci CAAF1 CA/	1 Antimicrobials
HTN3	3347 histatin 3 HIS2 HTN2	4 Antimicrobials
LCN8	138307 lipocalin 8 EP17 LCN5	9 Antimicrobials
DEFA1B	728358 defensin a HNP-1 HP	8 Antimicrobials
CCR10	2826 C-C motif GPR2	17 Antimicrobials
CELA1	1990 chymotryp ELA1	12 Antimicrobials
DEFB106A	245909 defensin b BD-6 DEFB	8 Antimicrobials
PENK	5179 proenkephPE PENK-A	8 Antimicrobials
BPIFC	254240 BPI fold coBPIL2	22 Antimicrobials
MMP12	4321 matrix metHME ME M	11 Antimicrobials
BPIFB6	128859 BPI fold coBPIL3 LPLU	20 Antimicrobials
LEAP2	116842 liver enrichLEAP-2	5 Antimicrobials
SFTPD	6441 surfactant COLEC7 PS	10 Antimicrobials
LCN9	392399 lipocalin 9 HEL129	9 Antimicrobials
BPIFB2	80341 BPI fold coBPIL1 C20c	20 Antimicrobials
PTGDS	5730 prostaglan L-PGDS LP	9 Antimicrobials
TMSB4X	7114 thymosin kFX PTMB4 X	Antimicrobials
PGLYRP1	8993 peptidoglyPGLYRP PC	19 Antimicrobials
ZC3HAV1	56829 zinc finger ARTD13 FL	7 Antimicrobials
TMSB15A	11013 thymosin kTMSB15 TIX	Antimicrobials
S100B	6285 S100 calci NEF S100 S	21 Antimicrobials
S100A13	6284 S100 calci -	1 Antimicrobials
S100A6	6277 S100 calci 2A9 5B10 C	1 Antimicrobials
DEFB119	245932 defensin b DEFB-19 D	20 Antimicrobials
DEFB107A	245910 defensin b BD-7 DEFB	8 Antimicrobials
DEFB105A	245908 defensin b BD-5 DEFB	8 Antimicrobials
SERPIND1	3053 serpin fam D22S673 H	22 Antimicrobials
DEFB129	140881 defensin b C20orf87 C	20 Antimicrobials
DEFB127	140850 defensin b C20orf73 C	20 Antimicrobials
S100P	6286 S100 calci MIG9	4 Antimicrobials
S100A7	6278 S100 calci PSOR1 S1C	1 Antimicrobials
DEFB104A	140596 defensin b BD-4 DEFB	8 Antimicrobials
DEFB126	81623 defensin b C20orf8 DE	20 Antimicrobials
DEFB106B	503841 defensin b BD-6 DEFB	8 Antimicrobials
DEFB104B	503618 defensin b BD-4 DEFB	8 Antimicrobials
DEFB107B	503614 defensin b HsT21816	8 Antimicrobials
PGLYRP3	114771 peptidoglyPGLYRP alq	1 Antimicrobials
PGLYRP2	114770 peptidoglyHMFT0141	19 Antimicrobials
S100A10	6281 S100 calci 42C ANX2I	1 Antimicrobials
S100A2	6273 S100 calci CAN19 S1C	1 Antimicrobials

DEFB125	245938 defensin b DEFB-25	20 Antimicrobials
DEFB123	245936 defensin b DEFB-23 D	20 Antimicrobials
DEFB105B	504180 defensin b BD-5 DEFE	8 Antimicrobials
DEFB132	400830 defensin b BD-32 DEF	20 Antimicrobials
BPIFB3	359710 BPI fold co C20orf185	20 Antimicrobials
LCN12	286256 lipocalin 1 -	9 Antimicrobials
PGLYRP4	57115 peptidogly PGLYRP be	1 Antimicrobials
S100A11	6282 S100 calci HEL-S-43 I	1 Antimicrobials
S100A5	6276 S100 calci S100D	1 Antimicrobials
S100A3	6274 S100 calci S100E	1 Antimicrobials
S100A1	6271 S100 calci S100 S100-	1 Antimicrobials
DEFB128	245939 defensin b DEFB-28 D	20 Antimicrobials
DEFB108B	245911 defensin b DEFB-8 hB	11 Antimicrobials
HTN1	3346 histatin 1 HIS1	4 Antimicrobials
LMBR1L	55716 limb devel LMR	12 Antimicrobials
S100A7A	338324 S100 calci NICE-2 N C	1 Antimicrobials
DEFB118	117285 defensin b C20orf63 C	20 Antimicrobials
COLEC12	81035 collectin s CLP1 NSR2	18 Antimicrobials
TMSB4Y	9087 thymosin t TB4Y Y	Antimicrobials
DEFB131A	644414 defensin b DEFB-31 D	4 Antimicrobials
DEFB134	613211 defensin b -	8 Antimicrobials
DEFB130A	245940 defensin b DEFB-30 D	8 Antimicrobials
DEFB124	245937 defensin b DEFB-24	20 Antimicrobials
DEFB121	245934 defensin b DEFB21 ES	20 Antimicrobials
DEFB116	245930 defensin b DEFB-16	20 Antimicrobials
DEFB115	245929 defensin b DEFB-15	20 Antimicrobials
DEFB114	245928 defensin b DEFB-14 D	6 Antimicrobials
DEFB113	245927 defensin b DEFB-13	6 Antimicrobials
DEFB112	245915 defensin b DEFB-12	6 Antimicrobials
DEFB110	245913 defensin b DEFB-10 D	6 Antimicrobials
TMSB15B	286527 thymosin t TMSB15A X	Antimicrobials
DEFB133	403339 defensin b -	6 Antimicrobials
S100Z	170591 S100 calci Gm625 S1C	5 Antimicrobials
MAVS	57506 mitochond CARDIF IP	20 Antimicrobials
TMSB4XP8	7117 TMSB4X p TMSL3	4 Antimicrobials
S100A14	57402 S100 calci BCMP84 S	1 Antimicrobials
LCN10	414332 lipocalin 1C-	9 Antimicrobials
S100A16	140576 S100 calci AAG13 DT	1 Antimicrobials
DEFB136	613210 defensin b DEFB137	8 Antimicrobials
DEFB135	613209 defensin b DEFB136	8 Antimicrobials
DEFB117	245931 defensin b DEFB-17	20 Antimicrobials
DEFB110	245913 defensin b DEFB-10 D	6 Antimicrobials
ZC3HAV1L	92092 zinc finger C7orf39	7 Antimicrobials
S100A7L2	645922 S100 calci S100a7b	1 Antimicrobials
MBL3P	50639 mannose- COLEC2 M	10 Antimicrobials
DEFB4B	1E+08 defensin b DEFB4P	8 Antimicrobials
BPIFB4	149954 BPI fold co C20orf186	20 Antimicrobials
IFNAR1	3454 interferon AVP IFN-a	21 Antimicrobials
AZU1	566 azurocidin AZAMP AZ	19 Antimicrobials
DEFB131B	1E+08 defensin b -	11 Antimicrobials
DEFA1A3	613253 defensin a DEFA1 DEF	8 Antimicrobials
LCN1P1	286310 lipocalin 1 LCN1L1 bA	9 Antimicrobials
S100G	795 S100 calci CABP CABIX	Antimicrobials
DEFA7P	724067 defensin a DEFA7	8 Antimicrobials
DEFB130B	1E+08 defensin b -	8 Antimicrobials
DEFB108F	1E+08 defensin b DEFB108P	4 Antimicrobials
DEFB131C	1E+08 defensin b -	8 Antimicrobials
TCHHL1	126637 trichohyalin S100A17 T	1 Antimicrobials

TINAGL1	64129 tubulointer	ARG1 LCN	1 Antimicrobials
IFNGR1	3459 interferon	CD119 IFN	6 Antimicrobials
SLC22A17	51310 solute carri	24p3R BOC	14 Antimicrobials
WFIKK1	117166 WAP, follis	C16orf12 F	16 Antimicrobials
WFDC2	10406 WAP four-	EDDM4 HE	20 Antimicrobials
IL6	3569 interleukin	BSF-2 BSF2	7 Antimicrobials
UMODL1	89766 uromoduli	-	21 Antimicrobials
TGFB1	7040 transformir	CED DPD1	19 Antimicrobials
PF4V1	5197 platelet fac	CXCL4L1 C	4 Antimicrobials
MMP9	4318 matrix met	CLG4B GEL	20 Antimicrobials
ANOS1	3730 anosmin 1	ADMLX HF-X	Antimicrobials
TLR4	7099 toll like rec	ARMD10 C	9 Antimicrobials
IFNG	3458 interferon	IFG IFI	12 Antimicrobials
SPAG11B	10407 sperm assc	EDDM2B E	8 Antimicrobials
A2M	2 alpha-2-m	A2MD CPA	12 Antimicrobials
CTSL	1514 cathepsin	LCATL CTSL	9 Antimicrobials
NFKB1	4790 nuclear fac	VID12 EB	4 Antimicrobials
APOBEC3C	60489 apolipoprc	A3G ARCD	22 Antimicrobials
FABP6	2172 fatty acid	kI-15P I-BA	5 Antimicrobials
NOD2	64127 nucleotide	ACUG BLA	16 Antimicrobials
MBL2	4153 mannose	kCOLEC1 H	10 Antimicrobials
SFTPA1	653509 surfactant	COLEC4 P	10 Antimicrobials
RBP1	5947 retinol bin	CRABP-II C	3 Antimicrobials
TLR2	7097 toll like rec	CD282 TIL	4 Antimicrobials
SLC40A1	30061 solute carri	FPN1 HFE4	2 Antimicrobials
PLAU	5328 plasminog	ATF BDPLT	10 Antimicrobials
IL1B	3553 interleukin	IL-1 IL1-BE	2 Antimicrobials
PAEP	5047 progestag	GD GdA G	9 Antimicrobials
HJV	148738 hemojuveli	HFE2 HFE2	1 Antimicrobials
MUC5AC	4586 mucin 5AC	MUC5 TBM	11 Antimicrobials
CTSS	1520 cathepsin	-	1 Antimicrobials
OBP2A	29991 odorant bi	LCN13 OBI	9 Antimicrobials
PLTP	5360 phospholi	BPIFE HDL	20 Antimicrobials
MX1	4599 MX dynam	IFI-78K IFI7	21 Antimicrobials
DDX58	23586 DExD/H-b	RIG-I RIG1	9 Antimicrobials
IFNL1	282618 interferon	IL-29 IL29	19 Antimicrobials
IRF3	3661 interferon	IIAE7	19 Antimicrobials
SFTPA2	729238 surfactant	COLEC5 P	10 Antimicrobials
LPA	4018 lipoprotein	AK38 APO	6 Antimicrobials
LBP	3929 lipopolysac	BPIFD2	20 Antimicrobials
RBP4	5950 retinol bin	MCOPCB1	10 Antimicrobials
SFTPA1	653509 surfactant	COLEC4 P	10 Antimicrobials
NOX4	50507 NADPH ox	KOX KOX-	11 Antimicrobials
LTF	4057 lactotransf	GIG12 HEL	3 Antimicrobials
IFNB1	3456 interferon	IFB IFF IFN	9 Antimicrobials
RBP5	83758 retinol bin	CRBP-III CI	12 Antimicrobials
FABP7	2173 fatty acid	kB-FABP BL	6 Antimicrobials
FABP5	2171 fatty acid	kE-FABP EF	8 Antimicrobials
FABP3	2170 fatty acid	kFABP11 H-	1 Antimicrobials
FABP2	2169 fatty acid	kFABP I-FA	4 Antimicrobials
FABP4	2167 fatty acid	kA-FABP AF	8 Antimicrobials
R3HDM1	140902 R3H doma	dJ881L22.3	20 Antimicrobials
BPIFA3	128861 BPI fold	coC20orf71 S	20 Antimicrobials
BPIFB1	92747 BPI fold	coC20orf114	20 Antimicrobials
OASL	8638 2'-5'-oligo	OASL1 OA	12 Antimicrobials
CRABP2	1382 cellular reti	CRABP-II F	1 Antimicrobials
CRABP1	1381 cellular reti	CRABP CR	15 Antimicrobials
RBP7	116362 retinol bin	CRABP4 CF	1 Antimicrobials

DUOX1	53905 dual oxidase: LNOX1 NC	15 Antimicrobials
OBP2B	29989 odorant binding protein: LCN14 OBI	9 Antimicrobials
RBP2	5948 retinol binding protein: CRABP-II C	3 Antimicrobials
LCN15	389812 lipocalin 15: PRO6093 L	9 Antimicrobials
CETP	1071 cholesteryl ester transfer protein: BPIFF HDL	16 Antimicrobials
FABP12	646486 fatty acid binding protein: FABP12	8 Antimicrobials
FABP9	646480 fatty acid binding protein: FABP9	8 Antimicrobials
BPIFA1	51297 BPI fold containing protein: LUNX NAS	20 Antimicrobials
LCNL1	401562 lipocalin like protein: LCNL1	9 Antimicrobials
C8G	733 complement component C8: C8C	9 Antimicrobials
SPAG11A	653423 sperm associated protein: EDDM2A F	8 Antimicrobials
PI15	51050 peptidase inhibitor: CRISP8 P24	8 Antimicrobials
NOX1	27035 NADPH oxidase: GP91-2 MEX	Antimicrobials
PMP2	5375 peripheral myelin protein: CMT1G FA	8 Antimicrobials
APOD	347 apolipoprotein: APOD	3 Antimicrobials
ORM2	5005 orosomucoid: AGP-B AG	9 Antimicrobials
ORM1	5004 orosomucoid: AGP-A AG	9 Antimicrobials
TNF	7124 tumor necrosis factor: TNF-alpha	6 Antimicrobials
CTSG	1511 cathepsin G: CATG CG	14 Antimicrobials
PRTN3	5657 proteinase 3: ACPA AGP	19 Antimicrobials
MAPK1	5594 mitogen-activated protein kinase: ERK-2	22 Antimicrobials
PML	5371 promyelocytic leukemia protein: MYL PP867	15 Antimicrobials
AEN	64782 apoptosis inducer: ISG20L1 pp	15 Antimicrobials
CYBB	1536 cytochrome b-558: AMCBX2 CX	Antimicrobials
BPIFA2	140683 BPI fold containing protein: C20orf70 P	20 Antimicrobials
ISG20	3669 interferon inducible protein: CD25 HEM	15 Antimicrobials
BCL3	602 BCL3 transmembrane protein: BCL4 D19S	19 Antimicrobials
ISG20L2	81875 interferon inducible protein: HSD38	1 Antimicrobials
NOX5	79400 NADPH oxidase: NOX5	15 Antimicrobials
NOX3	50508 NADPH oxidase: GP91-3 MEX	6 Antimicrobials
DUOX2	50506 dual oxidase: LNOX2 NC	15 Antimicrobials
TLR3	7098 toll like receptor: CD283 IIAE	4 Antimicrobials
TFRC	7037 transferrin receptor: CD71 IMD4	3 Antimicrobials
IFIH1	64135 interferon inducible protein: AGS7 H1cd	2 Antimicrobials
LRP1	4035 LDL receptor: A2MR APC	12 Antimicrobials
TRIM5	85363 tripartite motif domain: RNF88 TRIM	11 Antimicrobials
IDO1	3620 indoleamine 2,3-dioxygenase: IDO IDO-1	8 Antimicrobials
GDF15	9518 growth differentiation factor: GDF-15 M	19 Antimicrobials
NEDD4	4734 NEDD4 E3 ubiquitin ligase: NEDD4-1 F	15 Antimicrobials
ADIPOQ	9370 adiponectin: ACDC ACR	3 Antimicrobials
STAT3	6774 signal transducer: ADMIO AC	17 Antimicrobials
STAT1	6772 signal transducer: CANDF7 IM	2 Antimicrobials
IFNL2	282616 interferon inducible protein: IL-28A IL28	19 Antimicrobials
SOCS3	9021 suppressor of cytokine signaling: ATOD4 CIS	17 Antimicrobials
SEMG1	6406 semenogelins: CT103 SEM	20 Antimicrobials
TNFSF10	8743 TNF superfamily: APO2L Apo	3 Antimicrobials
CCL20	6364 C-C motif chemokine: CKb4 Exod	2 Antimicrobials
SOCS1	8651 suppressor of cytokine signaling: CIS1 CISH1	16 Antimicrobials
RNASEL	6041 ribonuclease: PRCA1 RN	1 Antimicrobials
IRF1	3659 interferon inducible protein: IRF-1 MAR	5 Antimicrobials
IL15	3600 interleukin IL-15	4 Antimicrobials
APOBEC3F	200316 apolipoprotein B editing protein: A3F ARP8 I	22 Antimicrobials
PLAAT4	5920 phospholipase: HRASLS4 F	11 Antimicrobials
CHIT1	1118 chitinase 1: CHI3 CHIT	1 Antimicrobials
IFNA1	3439 interferon alpha: IFL IFN IFN	9 Antimicrobials
CD40	958 CD40 molecule: Bp50 CDW	20 Antimicrobials
TLR7	51284 toll like receptor: TLR7-like X	Antimicrobials
PPIA	5478 peptidyl prolyl isomerase: CYPA CYP	7 Antimicrobials

HFE	3077 homeostat HFE1 HH H	6 Antimicrobials
ZYX	7791 zyxin ESP-2 HED	7 Antimicrobials
NLRX1	79671 NLR family CLR11.3 DI	11 Antimicrobials
PGC	5225 progastrics PEPC PGI	6 Antimicrobials
VEGFA	7422 vascular er MVCD1 VE	6 Antimicrobials
IKBKE	9641 inhibitor of IKK-E IKK-i	1 Antimicrobials
ISG15	9636 ISG15 ubiqu G1P2 IFI15	1 Antimicrobials
DHX58	79132 DExH-box D11LGP2 E	17 Antimicrobials
TNFAIP3	7128 TNF alpha A20 AISBL	6 Antimicrobials
TFR2	7036 transferrin HFE3 TFRC	7 Antimicrobials
FCN2	2220 ficolin 2 EBP-37 FC	9 Antimicrobials
MUC4	4585 mucin 4, c cASGP HSA	3 Antimicrobials
F2R	2149 coagulation CF2R HTR	5 Antimicrobials
ELN	2006 elastin ADCL1 SV	7 Antimicrobials
IL27	246778 interleukin IL-27 IL-27	16 Antimicrobials
MAPT	4137 microtubul DDPAC FTI	17 Antimicrobials
LYZ	4069 lysozyme LYZF1 LZM	12 Antimicrobials
CCL5	6352 C-C motif D17S136E	17 Antimicrobials
LEP	3952 leptin LEPD OB C	7 Antimicrobials
CYLD	1540 CYLD lysin BRSS CDM	16 Antimicrobials
KLKB1	3818 kallikrein B KLK3 PKK F	4 Antimicrobials
CST4	1472 cystatin S -	20 Antimicrobials
CSRP1	1465 cysteine ar CRP CRP1	1 Antimicrobials
MAPK14	1432 mitogen-a CSBP CSBP	6 Antimicrobials
JUN	3725 Jun proto- AP-1 AP1 c	1 Antimicrobials
ITGAV	3685 integrin su CD51 MSK	2 Antimicrobials
IRF5	3663 interferon SLEB10	7 Antimicrobials
CCR6	1235 C-C motif BN-1 C-C	6 Antimicrobials
IL12B	3593 interleukin CLMF CLM	5 Antimicrobials
TLR8	51311 toll like rec CD288 X	Antimicrobials
GNLY	10578 granulysin D2S69E LA	2 Antimicrobials
CD81	975 CD81 mole CVID6 S5.7	11 Antimicrobials
EIF2AK2	5610 eukaryotic EIF2AK1 LE	2 Antimicrobials
APOM	55937 apolipoprc G3a HSPC3	6 Antimicrobials
CACYBP	27101 calycyclin bi GIG5 PNA5	1 Antimicrobials
NOD1	10392 nucleotide CARD4 CLF	7 Antimicrobials
MAPK8	5599 mitogen-a JNK JNK-4	10 Antimicrobials
MAPK3	5595 mitogen-a ERK-1 ERK	16 Antimicrobials
BST2	684 bone marr CD317 TET	19 Antimicrobials
BPHL	670 biphenyl h BPH-RP M	6 Antimicrobials
PLA2G2A	5320 phospholiç MOM1 PL	1 Antimicrobials
GRN	2896 granulin pr CLN11 GEF	17 Antimicrobials
NEWENTR	192343 - - -	Antimicrobials
PDGFRA	5156 platelet de CD140A PI	4 Antimicrobials
GNAI1	2770 G protein s Gi	7 Antimicrobials
WNT5A	7474 Wnt family h WNT5A	3 Antimicrobials
FURIN	5045 furin, paire FUR PACE	15 Antimicrobials
ADAR	103 adenosine ADAR1 AG	1 Antimicrobials
TYK2	7297 tyrosine kir IMD35 JTK	19 Antimicrobials
NOS2	4843 nitric oxide HEP-NOS	17 Antimicrobials
TRAF3	7187 TNF recept CAP-1 CAF	14 Antimicrobials
TPT1	7178 tumor prot HRF TCTP	13 Antimicrobials
TPM2	7169 tropomyos AMCD1 D	9 Antimicrobials
NEO1	4756 neogenin 1 IGDC2 N	15 Antimicrobials
AHNAK	79026 AHNAK nu AHNAKRS	11 Antimicrobials
TLR1	7096 toll like rec CD281 TIL	4 Antimicrobials
TK2	7084 thymidine MTDPS2 M	16 Antimicrobials
PRDX2	7001 peroxiredo HEL-S-2a	19 Antimicrobials

MX2	4600 MX dynam	21 Antimicrobials
FGF2	2247 fibroblast cBFGF FGF-	4 Antimicrobials
FGA	2243 fibrinogen Fib2	4 Antimicrobials
TCF7L2	6934 transcripticTCF-4 TCF-	10 Antimicrobials
F2RL1	2150 F2R like tryGPR11 PAF	5 Antimicrobials
TKFC	26007 triokinase cDAK NET4	11 Antimicrobials
MSR1	4481 macrophacCD204 SCA	8 Antimicrobials
NFKBIZ	64332 NFKB inhibKBZ INAP	3 Antimicrobials
LMBR1	64327 limb develACHP C7o	7 Antimicrobials
EPPIN	57119 epididymalCT71 CT72	20 Antimicrobials
SRC	6714 SRC proto-ASV SRC1	20 Antimicrobials
MPO	4353 myelopero -	17 Antimicrobials
ELAVL1	1994 ELAV like FELAV1 HUF	19 Antimicrobials
ROBO3	64221 roundaboutHGPPS HG	11 Antimicrobials
SP1	6667 Sp1 transci-	12 Antimicrobials
SOD1	6647 superoxideALS ALS1 H	21 Antimicrobials
PDF	64146 peptide de-	16 Antimicrobials
DLL4	54567 delta like cAOS6 delta	15 Antimicrobials
ECD	11319 ecdysonecGCR2 HSG	10 Antimicrobials
SLC11A1	6556 solute carriLSH NRAV	2 Antimicrobials
DMBT1	1755 deleted in GP340 SAC	10 Antimicrobials
STING1	340061 stimulator ERIS MITA	5 Antimicrobials
SKIV2L	6499 Ski2 like R170A DDX	6 Antimicrobials
SEMG2	6407 semenogelSGII	20 Antimicrobials
LTA	4049 lymphotoxLT TNFB TN	6 Antimicrobials
DES	1674 desmin CDCD3 CS	2 Antimicrobials
DCK	1633 deoxycytid -	4 Antimicrobials
DAXX	1616 death domBING2 DAF	6 Antimicrobials
TNFRSF10	8797 TNF receptAPO2 CD2	8 Antimicrobials
TNFRSF10f	8795 TNF receptCD262 DR	8 Antimicrobials
EED	8726 embryonic COGIS HEE	11 Antimicrobials
CCL4	6351 C-C motif ACT2 AT74	17 Antimicrobials
LIMS1	3987 LIM zinc firPINCH PIN	2 Antimicrobials
LALBA	3906 lactalbuminLYZG	12 Antimicrobials
APOBEC3f	164668 apolipoprcA3H ARP-	22 Antimicrobials
TMPRSS6	164656 transmemkIRIDA MT2	22 Antimicrobials
SPINK5	11005 serine pepLEKTI LETK	5 Antimicrobials
MARCO	8685 macrophacSCARA2 SF	2 Antimicrobials
BECN1	8678 beclin 1 ATG6 VPS3	17 Antimicrobials
TNFSF11	8600 TNF superlCD254 OD	13 Antimicrobials
KNG1	3827 kininogen BDK BK HM	3 Antimicrobials
CSK	1445 C-terminal -	15 Antimicrobials
KLRK1	22914 killer cell leCD314 D12	12 Antimicrobials
KCNH2	3757 potassium ERG-1 ERG	7 Antimicrobials
JUND	3727 JunD protcAP-1	19 Antimicrobials
JAK1	3716 Janus kinasJAK1A JAK	1 Antimicrobials
CREB1	1385 cAMP respCREB CREE	2 Antimicrobials
CLDN4	1364 claudin 4 CPE-R CPE	7 Antimicrobials
CCL28	56477 C-C motif CCK1 MEC	5 Antimicrobials
RNASE3	6037 ribonucleaECP RAF1 F	14 Antimicrobials
RN7SL1	6029 RNA comp7L1a 7SL R	14 Antimicrobials
IRF7	3665 interferon lMD39 IRF-	11 Antimicrobials
IREB2	3658 iron resporACO3 IRE-	15 Antimicrobials
ILK	3611 integrin linHEL-S-28	11 Antimicrobials
IL18	3606 interleukin IGIF IL-18	11 Antimicrobials
IL17A	3605 interleukin CTLA-8 CT	6 Antimicrobials
LTB4R	1241 leukotrieneBLT1 BLTR	14 Antimicrobials
APOBEC3A	200315 apolipoprcA3A ARP3	22 Antimicrobials

MASP2	10747 mannan bi MAP19 MA	1 Antimicrobials
TRIM27	5987 tripartite r RFP RNF76	6 Antimicrobials
RELA	5970 RELA protcCMCU NFk	11 Antimicrobials
IL7R	3575 interleukin CD127 CD	5 Antimicrobials
IL1A	3552 interleukin IL-1 alpha	2 Antimicrobials
PTX3	5806 pentraxin 3TNFAIP5 T	3 Antimicrobials
IFNAR2	3455 interferon IFN-R IFN-	21 Antimicrobials
IFN1@	3438 - IFNA	9 Antimicrobials
SYTL1	84958 synaptotagJFC1 SLP1	1 Antimicrobials
APOBEC3C	27350 apolipoprcA3C APOB	22 Antimicrobials
DDX17	10521 DEAD-boxP72 RH70	22 Antimicrobials
PTGS2	5743 prostaglan COX-2 CO	1 Antimicrobials
HTR1A	3350 5-hydroxy15-HT-1A 5	5 Antimicrobials
SEPTIN7	989 septin 7 CDC10 CD	7 Antimicrobials
CD40LG	959 CD40 liganCD154 CDX	Antimicrobials
CD14	929 CD14 mole-	5 Antimicrobials
CD8A	925 CD8a moleCD8 Leu2	2 Antimicrobials
CD4	920 CD4 molecCD4mut	12 Antimicrobials
MASP1	5648 mannan bi 3MC1 CRA	3 Antimicrobials
PROC	5624 protein C, iAPC PC PR	2 Antimicrobials
MAP2K2	5605 mitogen-aCFC4 MAP	19 Antimicrobials
MAP2K1	5604 mitogen-aCFC3 MAP	15 Antimicrobials
HRG	3273 histidine ricHPRG HRG	3 Antimicrobials
NDRG1	10397 N-myc doCAP43 CM	8 Antimicrobials
IRF9	10379 interferon IRF-9 ISGF	14 Antimicrobials
TRIM22	10346 tripartite rGPSTAF50	11 Antimicrobials
LANCL1	10314 LanC like 1GPR69A p	2 Antimicrobials
PPP4C	5531 protein phPP-X PP4 F	16 Antimicrobials
HMOX1	3162 heme oxygHMOX1D H	22 Antimicrobials
HMGB1	3146 high mobilHMG-1 HM	13 Antimicrobials
HLA-B	3106 major histcAS B-4901	6 Antimicrobials
RNASE7	84659 ribonucleaRAE1	14 Antimicrobials
ABCC4	10257 ATP bindinMOAT-B N	13 Antimicrobials
HGF	3082 hepatocyteDFNB39 F-	7 Antimicrobials
HDAC1	3065 histone deGON-10 H	1 Antimicrobials
IFNLR1	163702 interferon ICRF2/12 IF	1 Antimicrobials
PLSCR1	5359 phospholipMMTRA1B	3 Antimicrobials
B2M	567 beta-2-miIMD43	15 Antimicrobials
BACH2	60468 BTB domaiBTBD25 IM	6 Antimicrobials
TANK	10010 TRAF familI-TRAF ITR	2 Antimicrobials
PIK3CG	5294 phosphaticPI3CG PI3k	7 Antimicrobials
ARRB1	408 arrestin beARRB1 ARR1	11 Antimicrobials
RSAD2	91543 radical S-a2510004L0	2 Antimicrobials
STAB2	55576 stabilin 2 FEEL2 FELE	12 Antimicrobials
TBK1	29110 TANK bindFTDALS4 II	12 Antimicrobials
PDYN	5173 prodynorpADCA PEN	20 Antimicrobials
PDGFRB	5159 platelet deCD140B IB	5 Antimicrobials
PDCD1	5133 programmCD279 PD-	2 Antimicrobials
PCSK2	5126 proprotein NEC 2 NEC	20 Antimicrobials
PCSK1	5122 proprotein BMIQ12 NI	5 Antimicrobials
ARG2	384 arginase 2 -	14 Antimicrobials
AQP9	366 aquaporin AQP-9 Hs1	15 Antimicrobials
FASLG	356 Fas ligand ALPS1B AP	1 Antimicrobials
APOH	350 apolipoprcB2G1 B2GF	17 Antimicrobials
BIRC5	332 baculoviralAPI4 EPR-1	17 Antimicrobials
ANXA6	309 annexin A6ANX6 CBP	5 Antimicrobials
IL22	50616 interleukin IL-21 IL-22	12 Antimicrobials
VTN	7448 vitronectin V75 VN VN	17 Antimicrobials

VIM	7431 vimentin	-	10 Antimicrobials
VCAM1	7412 vascular ce	CD106 INC	1 Antimicrobials
PRDX1	5052 peroxiredo	MSP23 NK	1 Antimicrobials
GFAP	2670 glial fibrilla	ALXDRD	17 Antimicrobials
GBP2	2634 guanylate	-	1 Antimicrobials
ALB	213 albumin	HSA PROO	4 Antimicrobials
SLC29A3	55315 solute carri	ENT3 HCL	10 Antimicrobials
OAS1	4938 2'-5'-oligo	E18/E16 IFI	12 Antimicrobials
AGER	177 advanced	AGE SCAI	6 Antimicrobials
UNC93B1	81622 unc-93 ho	IAE1 UNC	11 Antimicrobials
TNFSF4	7292 TNF super	CD134L CE	1 Antimicrobials
NOS1	4842 nitric oxide	IHPS1 N-N	12 Antimicrobials
ACTG1	71 actin gamr	ACT ACTG	17 Antimicrobials
ACTA1	58 actin alpha	ACTA ASM	1 Antimicrobials
ACO1	48 aconitase	1ACONS HE	9 Antimicrobials
SERPINA3	12 serpin fam	AACT ACT	14 Antimicrobials
CXCR1	3577 C-X-C mo	C-C C-C-C	2 Antimicrobials
CCL15	6359 C-C motif	HCC-2 HM	17 Antimicrobials
CCL14	6358 C-C motif	CC-1 CC-3	17 Antimicrobials
CCL4	6351 C-C motif	ACT2 AT74	17 Antimicrobials
CCL16	6360 C-C motif	CKb12 HCC	17 Antimicrobials
CCL19	6363 C-C motif	CKb11 ELC	9 Antimicrobials
CCL13	6357 C-C motif	CKb10 MC	17 Antimicrobials
CCL18	6362 C-C motif	AMAC-1 A	17 Antimicrobials
CCL17	6361 C-C motif	A-152E5.3	16 Antimicrobials
CCL26	10344 C-C motif	IMAC MIP-	7 Antimicrobials
CCL22	6367 C-C motif	A-152E5.1	16 Antimicrobials
CCR3	1232 C-C motif	C C CKR3 C	3 Antimicrobials
CCL28	56477 C-C motif	CCK1 MEC	5 Antimicrobials
CCL4L1	388372 C-C motif	AT744.2 CC	17 Antimicrobials
ACKR2	1238 atypical ch	CCBP2 CCF	3 Antimicrobials
CCR7	1236 C-C motif	BLR2 CC-C	17 Antimicrobials
CCL27	10850 C-C motif	ALP CTACH	9 Antimicrobials
CCR8	1237 C-C motif	CC-CKR-8	3 Antimicrobials
ACKR4	51554 atypical ch	CC-CKR-1	3 Antimicrobials
CCR10	2826 C-C motif	GPR2	17 Antimicrobials
CCL2	6347 C-C motif	GDCF-2 HCC	17 Antimicrobials
CCL21	6366 C-C motif	6Ckine CKb	9 Antimicrobials
CCL7	6354 C-C motif	FIC MARC	17 Antimicrobials
CCL5	6352 C-C motif	D17S136E	17 Antimicrobials
CCL3	6348 C-C motif	GOS19-1 LI	17 Antimicrobials
CCL20	6364 C-C motif	CKb4 Exod	2 Antimicrobials
CCL11	6356 C-C motif	SCYA11	17 Antimicrobials
CCR5	1234 C-C motif	CC-CKR-5	3 Antimicrobials
CCL23	6368 C-C motif	CK-BETA-1	17 Antimicrobials
CCL25	6370 C-C motif	Ckb15 SCY	19 Antimicrobials
CCL1	6346 C-C motif	I-309 P500	17 Antimicrobials
CCL3L3	414062 C-C motif	464.2 D17S	17 Antimicrobials
CCL4L2	9560 C-C motif	AT744.2 CC	17 Antimicrobials
CXCL12	6387 C-X-C mo	IRH PBSF S	10 Antimicrobials
XCL1	6375 X-C motif	ATAC LPTN	1 Antimicrobials
CCL8	6355 C-C motif	HC14 MCP	17 Antimicrobials
CCL3L1	6349 C-C motif	464.2 D17S	17 Antimicrobials
CCR1	1230 C-C motif	CD191 CKF	3 Antimicrobials
CCL24	6369 C-C motif	Ckb-6 MPI	7 Antimicrobials
XCL2	6846 X-C motif	SCM-1b SC	1 Antimicrobials
CXCL1	2919 C-X-C mo	FSP GRO1	4 Antimicrobials
CXCL10	3627 C-X-C mo	C7 IFI10 IN	4 Antimicrobials

CXCR4	7852 C-X-C mo·CD184 D25	2 Antimicrobials
CXCL2	2920 C-X-C mo·CINC-2a G	4 Antimicrobials
CXCR6	10663 C-X-C mo·BONZO C	3 Antimicrobials
CCR4	1233 C-C motif CC-CKR-4	3 Antimicrobials
CXCL11	6373 C-X-C mo·H174 I-TA	4 Antimicrobials
TFAFA5	25817 TFAFA chenFAM19A5	22 Antimicrobials
TFAFA3	284467 TFAFA chenFAM19A3	1 Antimicrobials
TFAFA4	151647 TFAFA chenFAM19A4	3 Antimicrobials
TFAFA1	407738 TFAFA chenFAM19A1	3 Antimicrobials
TFAFA2	338811 TFAFA chenFAM19A2	12 Antimicrobials
CCL15-CC	348249 CCL15-CC CCL15 HC	17 Antimicrobials
IL6	3569 interleukin BSF-2 BSF2	7 Antimicrobials
TNF	7124 tumor necrDIF TNF-al	6 Antimicrobials
IL1B	3553 interleukin IL-1 IL1-BE	2 Antimicrobials
IL18	3606 interleukin IGIF IL-18 I	11 Antimicrobials
PTK2B	2185 protein tyrCADTK CA	8 Antimicrobials
VEGFA	7422 vascular erMVCD1 VE	6 Antimicrobials
IL4	3565 interleukin BCGF-1 BC	5 Antimicrobials
CDH1	999 cadherin 1 Arc-1 BCD	16 Antimicrobials
CD40	958 CD40 moleBp50 CDW	20 Antimicrobials
DEFB103B	55894 defensin bBD-3 DEFE	8 Antimicrobials
F2RL1	2150 F2R like tryGPR11 PAF	5 Antimicrobials
MMP9	4318 matrix metCLG4B GEL	20 Antimicrobials
LTBP1	4052 latent trans-	2 Antimicrobials
DEFB4A	1673 defensin bBD-2 DEFE	8 Antimicrobials
TNFSF10	8743 TNF superIAPOL2 Ap	3 Antimicrobials
IL13	3596 interleukin IL-13 P600	5 Antimicrobials
IL10	3586 interleukin CSIF GVHC	1 Antimicrobials
IL2	3558 interleukin IL-2 TCGF	4 Antimicrobials
PPARG	5468 peroxisomCMT1 GLM	3 Antimicrobials
FGR	2268 FGR protoSRC2 c-fgr	1 Antimicrobials
MIF	4282 macrophagGIF GLIF M	22 Antimicrobials
CRP	1401 C-reactive PTX1	1 Antimicrobials
JAK2	3717 Janus kinaseJTK10 THC	9 Antimicrobials
IL1A	3552 interleukin IL-1 alpha	2 Antimicrobials
PTK2	5747 protein tyrFADK FAK	8 Antimicrobials
PTGDR	5729 prostaglanAS1 ASRT1	14 Antimicrobials
CD86	942 CD86 moleB7-2 B7.2 E	3 Antimicrobials
HCK	3055 HCK protoJTK9 p59H	20 Antimicrobials
ARRB1	408 arrestin beARB1 ARR1	11 Antimicrobials
GNAI1	2770 G protein sGi	7 Antimicrobials
VDR	7421 vitamin D rNR1I1 PPP	12 Antimicrobials
OLR1	4973 oxidized loCLEC8A LC	12 Antimicrobials
GRK2	156 G protein- ADRBK1 B/	11 Antimicrobials
TXK	7294 TXK tyrosinBTKL PSCT	4 Antimicrobials
RNASE2	6036 ribonucleaEDN RAF3	14 Antimicrobials
CD79A	973 CD79a moIGA MB-1	19 BCRSignalingPathway
CD79B	974 CD79b moAGM6 B29	17 BCRSignalingPathway
LYN	4067 LYN protoJTK8 p53Ly	8 BCRSignalingPathway
SYK	6850 spleen assocp72-Syk	9 BCRSignalingPathway
BTK	695 Bruton tyrcAGMX1 ATX	BCRSignalingPathway
BLNK	29760 B cell linkeAGM4 BAS	10 BCRSignalingPathway
VAV3	10451 vav guanin-	1 BCRSignalingPathway
VAV1	7409 vav guaninVAV	19 BCRSignalingPathway
VAV2	7410 vav guaninVAV-2	9 BCRSignalingPathway
RAC1	5879 Rac family MIG5 MRD	7 BCRSignalingPathway
RAC2	5880 Rac family EN-7 Gx H	22 BCRSignalingPathway
RAC3	5881 Rac family -	17 BCRSignalingPathway

PPP3CA	5530 protein phACCIID CA	4 BCRSignalingPathway
PPP3CB	5532 protein phCALNA2 C	10 BCRSignalingPathway
PPP3CC	5533 protein phCALNA3 C	8 BCRSignalingPathway
CHP1	11261 calcineurin CHP SLC9A	15 BCRSignalingPathway
PPP3R1	5534 protein phCALNB1 CI	2 BCRSignalingPathway
PPP3R2	5535 protein phPPP3RL	9 BCRSignalingPathway
CHP2	63928 calcineurin -	16 BCRSignalingPathway
NFAT5	10725 nuclear facNF-AT5 NF	16 BCRSignalingPathway
NFATC1	4772 nuclear facNF-ATC NI	18 BCRSignalingPathway
NFATC2	4773 nuclear facNFAT1 NF	20 BCRSignalingPathway
NFATC3	4775 nuclear facNF-AT4c N	16 BCRSignalingPathway
NFATC4	4776 nuclear facNF-AT3 NF	14 BCRSignalingPathway
HRAS	3265 HRas protcC-BAS/HA	11 BCRSignalingPathway
KRAS	3845 KRAS protc'C-K-RAS C	12 BCRSignalingPathway
NRAS	4893 NRAS prot ALPS4 CMI	1 BCRSignalingPathway
FOS	2353 Fos proto- AP-1 C-FC	14 BCRSignalingPathway
JUN	3725 Jun proto- AP-1 AP1 C	1 BCRSignalingPathway
CARD11	84433 caspase reBENTA BIM	7 BCRSignalingPathway
BCL10	8915 BCL10 imrCARMEN C	1 BCRSignalingPathway
MALT1	10892 MALT1 parIMD12 ML	18 BCRSignalingPathway
CHUK	1147 componenIKBA IKK-	10 BCRSignalingPathway
IKKB	3551 inhibitor ofIKK-beta Ik	8 BCRSignalingPathway
IKKBG	8517 inhibitor ofAMCBX1 EX	BCRSignalingPathway
NFKB1	4790 nuclear facCVID12 EB	4 BCRSignalingPathway
RELA	5970 RELA protcCMCU NF	11 BCRSignalingPathway
NFKBIA	4792 NFKB inhibEDAID2 IK	14 BCRSignalingPathway
NFKBIB	4793 NFKB inhibIKBB TRIP9	19 BCRSignalingPathway
NFKBIE	4794 NFKB inhibIKBE	6 BCRSignalingPathway
CD81	975 CD81 moleCVID6 S5.7	11 BCRSignalingPathway
CD19	930 CD19 moleB4 CVID3	16 BCRSignalingPathway
CR2	1380 complemeC3DR CD2	1 BCRSignalingPathway
PIK3R5	23533 phosphoinF7300381	17 BCRSignalingPathway
PIK3R1	5295 phosphoinAGM7 GRE	5 BCRSignalingPathway
PIK3R2	5296 phosphoinMPPH MPF	19 BCRSignalingPathway
PIK3R3	8503 phosphoinp55 p55-G	1 BCRSignalingPathway
PIK3CA	5290 phosphaticCLAPO CL	3 BCRSignalingPathway
PIK3CB	5291 phosphaticP110BETA	3 BCRSignalingPathway
PIK3CD	5293 phosphaticAPDS IMD	1 BCRSignalingPathway
PIK3CG	5294 phosphaticPI3CG PI3k	7 BCRSignalingPathway
AKT3	10000 AKT serine.MPPH MPF	1 BCRSignalingPathway
AKT1	207 AKT serine.AKT CWS6	14 BCRSignalingPathway
AKT2	208 AKT serine.HIHGHH P	19 BCRSignalingPathway
GSK3B	2932 glycogen s-	3 BCRSignalingPathway
INPP5D	3635 inositol poSHIP SHIP-	2 BCRSignalingPathway
CD22	933 CD22 moleSIGLEC-2 S	19 BCRSignalingPathway
CD72	971 CD72 moleCD72b LYE	9 BCRSignalingPathway
PTPN6	5777 protein tyrHCP HCPH	12 BCRSignalingPathway
LILRB3	11025 leukocyte iCD85A HL	19 BCRSignalingPathway
FCGR2B	2213 Fc fragmerCD32 CD3	1 BCRSignalingPathway
RASGRP3	25780 RAS guanyGRP3	2 BCRSignalingPathway
PLCG2	5336 phospholipAPLAID FC	16 BCRSignalingPathway
PRKCB	5579 protein kinPKC-beta P	16 BCRSignalingPathway
IFITM1	8519 interferon i9-27 CD22	11 BCRSignalingPathway
IGH	3492 immunoglGD1 IGH.1	14 BCRSignalingPathway
IGHA1	3493 immunoglIgA1	14 BCRSignalingPathway
IGHA2	3494 immunogl-	14 BCRSignalingPathway
IGHD	3495 immunogl-	14 BCRSignalingPathway
IGHD1-1	28510 immunoglIGHD11	14 BCRSignalingPathway

IGHD1-14	28508 immunoglDM2 IGHD	14 BCRSignalingPathway
IGHD1-20	28507 immunoglIGHD120	14 BCRSignalingPathway
IGHD1-26	28506 immunoglIGHD126	14 BCRSignalingPathway
IGHD1-7	28509 immunoglDM1 IGHD	14 BCRSignalingPathway
IGHD2-15	28503 immunoglD2 IGHD21	14 BCRSignalingPathway
IGHD2-2	28505 immunoglIGHD22	14 BCRSignalingPathway
IGHD2-21	28502 immunoglIGHD221	14 BCRSignalingPathway
IGHD2-8	28504 immunoglDLR1 IGHC	14 BCRSignalingPathway
IGHD3-10	28499 immunoglDXP'1 IGHI	14 BCRSignalingPathway
IGHD3-16	28498 immunoglIGHD316	14 BCRSignalingPathway
IGHD3-22	28497 immunoglIGHD322	14 BCRSignalingPathway
IGHD3-3	28501 immunoglDXP4 IGHC	14 BCRSignalingPathway
IGHD3-9	28500 immunoglDXP1 IGHC	14 BCRSignalingPathway
IGHD4-11	28495 immunoglDA1 IGHD4	14 BCRSignalingPathway
IGHD4-17	28494 immunoglIGHD417	14 BCRSignalingPathway
IGHD4-23	28493 immunoglIGHD423	14 BCRSignalingPathway
IGHD4-4	28496 immunoglDA4 IGHD4	14 BCRSignalingPathway
IGHD5-12	28491 immunoglDK1 IGHD5	14 BCRSignalingPathway
IGHD5-18	28490 immunoglIGHD518	14 BCRSignalingPathway
IGHD5-24	28489 immunoglIGHD524	14 BCRSignalingPathway
IGHD5-5	28492 immunoglDK4 IGHD5	14 BCRSignalingPathway
IGHD6-13	28487 immunoglDN1 IGHD6	14 BCRSignalingPathway
IGHD6-19	28486 immunoglIGHD619	14 BCRSignalingPathway
IGHD6-25	28485 immunoglIGHD625	14 BCRSignalingPathway
IGHD6-6	28488 immunoglD(N4) IGHI	14 BCRSignalingPathway
IGHD7-27	28484 immunoglDHQ52 IGH	14 BCRSignalingPathway
IGHE	3497 immunoglIgE	14 BCRSignalingPathway
IGHG1	3500 immunogl-	14 BCRSignalingPathway
IGHG2	3501 immunogl-	14 BCRSignalingPathway
IGHG3	3502 immunoglIgG3	14 BCRSignalingPathway
IGHG4	3503 immunogl-	14 BCRSignalingPathway
IGHJ1	28483 immunoglJH1	14 BCRSignalingPathway
IGHJ2	28481 immunoglJH2	14 BCRSignalingPathway
IGHJ3	28479 immunoglJH3b	14 BCRSignalingPathway
IGHJ4	28477 immunoglJH4b	14 BCRSignalingPathway
IGHJ5	28476 immunoglJH5b	14 BCRSignalingPathway
IGHJ6	28475 immunoglJH6b	14 BCRSignalingPathway
IGHM	3507 immunoglAGM1 MU	14 BCRSignalingPathway
IGH	3492 immunoglGD1 IGH.1	14 BCRSignalingPathway
IGHV1-18	28468 immunoglIGHV118	14 BCRSignalingPathway
IGHV1-2	28474 immunoglIGHV12 V3	14 BCRSignalingPathway
IGHV1-24	28467 immunoglIGHV124 V	14 BCRSignalingPathway
IGHV1-3	28473 immunoglIGHV13 VI	14 BCRSignalingPathway
IGHV1-45	28466 immunoglIGHV145 V	14 BCRSignalingPathway
IGHV1-46	28465 immunoglIGHV146	14 BCRSignalingPathway
IGHV1-58	28464 immunoglIGHV158 V	14 BCRSignalingPathway
IGHV1-69	28461 immunoglIGHV1-E IC	14 BCRSignalingPathway
IGHV1-8	28472 immunoglIGHV18	14 BCRSignalingPathway
IGHV1-38-	28460 immunoglIGHV1-C IC	14 BCRSignalingPathway
IGHV1-69-	28458 immunoglIGHV1-F IC	14 BCRSignalingPathway
IGHV2-26	28455 immunoglIGHV226 V	14 BCRSignalingPathway
IGHV2-5	28457 immunoglIGHV25 VF	14 BCRSignalingPathway
IGHV2-70	28454 immunoglIGHV270 V	14 BCRSignalingPathway
IGHV3-11	28450 immunoglIGHV311 V	14 BCRSignalingPathway
IGHV3-13	28449 immunoglIGHV313	14 BCRSignalingPathway
IGHV3-15	28448 immunoglIGHV315 V	14 BCRSignalingPathway
IGHV3-16	28447 immunoglIGHV316 V	14 BCRSignalingPathway
IGHV3-20	28445 immunoglIGHV320 V	14 BCRSignalingPathway

IGHV3-21	28444 immunoglGHV321 V	14 BCRSignalingPathway
IGHV3-23	28442 immunoglDP47 IGHV	14 BCRSignalingPathway
IGHV3-30	28439 immunoglGHV330 V	14 BCRSignalingPathway
IGHV3-30-	57290 immunoglGHV3-3 IC	14 BCRSignalingPathway
IGHV3-30-	89770 immunoglGHV3-3 IC	14 BCRSignalingPathway
IGHV3-33	28434 immunoglGHV333 V	14 BCRSignalingPathway
IGHV3-35	28432 immunoglGHV335 V	14 BCRSignalingPathway
IGHV3-38	28429 immunoglGHV338 V	14 BCRSignalingPathway
IGHV3-43	28426 immunoglGHV343 V	14 BCRSignalingPathway
IGHV3-48	28424 immunoglGHV348 V	14 BCRSignalingPathway
IGHV3-49	28423 immunoglGHV349 V	14 BCRSignalingPathway
IGHV3-53	28420 immunoglGHV353 V	14 BCRSignalingPathway
IGHV3-64	28414 immunoglGHV364 V	14 BCRSignalingPathway
IGHV3-66	28412 immunoglGHV366 V	14 BCRSignalingPathway
IGHV3-7	28452 immunoglGHV37 Vf	14 BCRSignalingPathway
IGHV3-72	28410 immunoglGHV372 V	14 BCRSignalingPathway
IGHV3-73	28409 immunoglGHV373 V	14 BCRSignalingPathway
IGHV3-74	28408 immunoglGHV374 V	14 BCRSignalingPathway
IGHV3-9	28451 immunoglGHV39 Vf	14 BCRSignalingPathway
IGHV3-38-	28404 immunoglGHV3-D IC	14 BCRSignalingPathway
IGHV3-69-	28402 immunoglGH IGHM	14 BCRSignalingPathway
IGHV4-28	28400 immunoglGHV428 V	14 BCRSignalingPathway
IGHV4-30-	28399 immunoglGHV4-3	14 BCRSignalingPathway
IGHV4-30-	28398 immunoglGHV4-3 IC	14 BCRSignalingPathway
IGHV4-30-	28397 immunoglGHV4-3 IC	14 BCRSignalingPathway
IGHV4-31	28396 immunoglGHV431	14 BCRSignalingPathway
IGHV4-34	28395 immunoglGHV434 V	14 BCRSignalingPathway
IGHV4-39	28394 immunoglGHV439 V	14 BCRSignalingPathway
IGHV4-4	28401 immunoglGHV44 Vf	14 BCRSignalingPathway
IGHV4-59	28392 immunoglGHV459 V	14 BCRSignalingPathway
IGHV4-61	28391 immunoglGHV461 V	14 BCRSignalingPathway
IGHV4-38-	28389 immunoglGHV4-B IC	14 BCRSignalingPathway
IGHV5-51	28388 immunoglGHV551 V	14 BCRSignalingPathway
IGHV5-10-	28386 immunoglGHV5-A IC	14 BCRSignalingPathway
IGHV6-1	28385 immunoglGHV61 Vf	14 BCRSignalingPathway
IGHV7-4-1	57289 immunoglGHV7-41	14 BCRSignalingPathway
IGHV7-81	28378 immunoglGHV781	14 BCRSignalingPathway
IGK	50802 immunoglIGK@	2 BCRSignalingPathway
IGKC	3514 immunoglHCAK1 IGK	2 BCRSignalingPathway
IGKDEL	3515 immunoglIGKDE	2 BCRSignalingPathway
IGKJ	7842 - IGKJ@	2 BCRSignalingPathway
IGKJ1	28950 immunoglJ1	2 BCRSignalingPathway
IGKJ2	28949 immunoglJ2	2 BCRSignalingPathway
IGKJ3	28948 immunoglJ3	2 BCRSignalingPathway
IGKJ4	28947 immunoglJ4	2 BCRSignalingPathway
IGKJ5	28946 immunoglJ5	2 BCRSignalingPathway
IGKV@	3519 - IGKV IGKV:	2 BCRSignalingPathway
IGKV1-12	28940 immunoglIGKV112 L:	2 BCRSignalingPathway
IGKV1-13	28939 immunoglIGKV113 L:	2 BCRSignalingPathway
IGKV1-16	28938 immunoglIGKV116 L:	2 BCRSignalingPathway
IGKV1-17	28937 immunoglA30 IGKV1	2 BCRSignalingPathway
IGKV1-27	28935 immunoglA20 IGKV1	2 BCRSignalingPathway
IGKV1-33	28933 immunoglIGKV133 O	2 BCRSignalingPathway
IGKV1-37	28931 immunoglIGKV137 O	2 BCRSignalingPathway
IGKV1-39	28930 immunoglIGKV139 O	2 BCRSignalingPathway
IGKV1-5	28299 immunoglIGKV IGKV:	2 BCRSignalingPathway
IGKV1-6	28943 immunoglIGKV16 L1:	2 BCRSignalingPathway
IGKV1-8	28942 immunoglIGKV18 L9	2 BCRSignalingPathway

IGKV1-9	28941 immunogl IGKV19 L8	2 BCRSignalingPathway
IGKV1D-12	28903 immunogl IGKV1D12	2 BCRSignalingPathway
IGKV1D-13	28902 immunogl IGKV1D13	2 BCRSignalingPathway
IGKV1D-16	28901 immunogl IGKV1D16	2 BCRSignalingPathway
IGKV1D-17	28900 immunogl IGKV1D17	2 BCRSignalingPathway
IGKV1D-33	28896 immunogl IGKV1D33	2 BCRSignalingPathway
IGKV1D-37	28894 immunogl IGKV1D37	2 BCRSignalingPathway
IGKV1D-39	28893 immunogl IGKV1D39	2 BCRSignalingPathway
IGKV1D-42	28892 immunogl IGKV1D42	2 BCRSignalingPathway
IGKV1D-43	28891 immunogl IGKV1D43	2 BCRSignalingPathway
IGKV1D-8	28904 immunogl IGKV1D8 L	2 BCRSignalingPathway
IGKV2-24	28923 immunogl A23 IGKV2	2 BCRSignalingPathway
IGKV2-28	28921 immunogl A19 IGKV2	2 BCRSignalingPathway
IGKV2-30	28919 immunogl A17 IGKV2	2 BCRSignalingPathway
IGKV2-40	28916 immunogl IGKV240 O	2 BCRSignalingPathway
IGKV2D-24	28885 immunogl A7 IGKV2D	2 BCRSignalingPathway
IGKV2D-28	28883 immunogl A3 IGKV2D	2 BCRSignalingPathway
IGKV2D-29	28882 immunogl A2a A2c IG	2 BCRSignalingPathway
IGKV2D-30	28881 immunogl A1 IGKV2D	2 BCRSignalingPathway
IGKV2D-40	28878 immunogl IGKV2D40	2 BCRSignalingPathway
IGKV3-11	28914 immunogl IGKV311 L6	2 BCRSignalingPathway
IGKV3-15	28913 immunogl IGKV315 L2	2 BCRSignalingPathway
IGKV3-20	28912 immunogl 13K18 A27	2 BCRSignalingPathway
IGKV3-7	28915 immunogl IGKV37 L10	2 BCRSignalingPathway
IGKV3D-11	28876 immunogl IGKV3D11	2 BCRSignalingPathway
IGKV3D-15	28875 immunogl IGKV3D15	2 BCRSignalingPathway
IGKV3D-20	28874 immunogl A11 A11a I	2 BCRSignalingPathway
IGKV3D-7	28877 immunogl IGKV3D7 L	2 BCRSignalingPathway
IGKV4-1	28908 immunogl B3 IGKV41	2 BCRSignalingPathway
IGKV5-2	28907 immunogl B2 IGKV52	2 BCRSignalingPathway
IGKV6-21	28906 immunogl A26 IGKV6	2 BCRSignalingPathway
IGKV6D-21	28870 immunogl A10 IGKV6	2 BCRSignalingPathway
IGKV6D-41	28869 immunogl A14	2 BCRSignalingPathway
IGL	3535 immunogl IGL@ IGLC	22 BCRSignalingPathway
IGLC1	3537 immunogl IGLC	22 BCRSignalingPathway
IGLC2	3538 immunogl IGLC	22 BCRSignalingPathway
IGLC3	3539 immunogl IGLC	22 BCRSignalingPathway
IGLC6	3542 immunogl IGLC	22 BCRSignalingPathway
IGLC7	28834 immunogl C7	22 BCRSignalingPathway
IGLJ	8217 - IGLJ@	22 BCRSignalingPathway
IGLJ1	28833 immunogl J1	22 BCRSignalingPathway
IGLJ2	28832 immunogl J2	22 BCRSignalingPathway
IGLJ3	28831 immunogl J3	22 BCRSignalingPathway
IGLJ4	28830 immunogl -	22 BCRSignalingPathway
IGLJ5	28829 immunogl -	22 BCRSignalingPathway
IGLJ6	28828 immunogl -	22 BCRSignalingPathway
IGLJ7	28827 immunogl J7	22 BCRSignalingPathway
IGLV@	3546 - IGLV	22 BCRSignalingPathway
IGLV1-36	28826 immunogl IGLV136 V:	22 BCRSignalingPathway
IGLV1-40	28825 immunogl IGLV140 V:	22 BCRSignalingPathway
IGLV1-44	28823 immunogl IGLV144 V:	22 BCRSignalingPathway
IGLV1-47	28822 immunogl IGLV147 V:	22 BCRSignalingPathway
IGLV1-50	28821 immunogl IGLV150 V:	22 BCRSignalingPathway
IGLV1-51	28820 immunogl IGLV151 V:	22 BCRSignalingPathway
IGLV10-54	28772 immunogl IGLV1054 \	22 BCRSignalingPathway
IGLV11-55	28770 immunogl IGLV1155 \	22 BCRSignalingPathway
IGLV2-11	28816 immunogl IGLV211 V:	22 BCRSignalingPathway
IGLV2-14	28815 immunogl IGLV214 V:	22 BCRSignalingPathway

IGLV2-18	28814 immunogl GLV218 V:	22 BCRSignalingPathway
IGLV2-23	28813 immunogl GLV223 V:	22 BCRSignalingPathway
IGLV2-33	28811 immunogl GLV233 V:	22 BCRSignalingPathway
IGLV2-8	28817 immunogl GLV28 V1:	22 BCRSignalingPathway
IGLV3-1	28809 immunogl GLV31 V2:	22 BCRSignalingPathway
IGLV3-10	28803 immunogl GLV310 V:	22 BCRSignalingPathway
IGLV3-12	28802 immunogl GLV312 V:	22 BCRSignalingPathway
IGLV3-16	28799 immunogl GLV316 V:	22 BCRSignalingPathway
IGLV3-19	28797 immunogl GLV319 V:	22 BCRSignalingPathway
IGLV3-21	28796 immunogl GLV321 V:	22 BCRSignalingPathway
IGLV3-22	28795 immunogl GLV322 V:	22 BCRSignalingPathway
IGLV3-25	28793 immunogl GLV325 V:	22 BCRSignalingPathway
IGLV3-27	28791 immunogl GLV327 V:	22 BCRSignalingPathway
IGLV3-32	28787 immunogl GLV332 V:	22 BCRSignalingPathway
IGLV3-9	28804 immunogl GLV39 V2:	22 BCRSignalingPathway
IGLV4-3	28786 immunogl GLV43 V5:	22 BCRSignalingPathway
IGLV4-60	28785 immunogl GLV460 V:	22 BCRSignalingPathway
IGLV4-69	28784 immunogl GLV469 V:	22 BCRSignalingPathway
IGLV5-37	28783 immunogl GLV537 V:	22 BCRSignalingPathway
IGLV5-39	28782 immunogl GLV539	22 BCRSignalingPathway
IGLV5-45	28781 immunogl GLV545 V:	22 BCRSignalingPathway
IGLV5-48	28780 immunogl GLV548 V:	22 BCRSignalingPathway
IGLV5-52	28779 immunogl GLV552 V:	22 BCRSignalingPathway
IGLV6-57	28778 immunogl GLV657 V:	22 BCRSignalingPathway
IGLV7-43	28776 immunogl GLV743 V:	22 BCRSignalingPathway
IGLV7-46	28775 immunogl GLV746 V:	22 BCRSignalingPathway
IGLV8-61	28774 immunogl GLV861 V:	22 BCRSignalingPathway
IGLV9-49	28773 immunogl GLV949 V:	22 BCRSignalingPathway
C3	718 compleme AHUS5 AR	19 Chemokines
C5	727 compleme C5D C5a C	9 Chemokines
CAMP	820 cathelidir CAP-18 CA	3 Chemokines
CCL1	6346 C-C motif I-309 P500	17 Chemokines
CCL11	6356 C-C motif SCYA11	17 Chemokines
CCL13	6357 C-C motif CKb10 MC	17 Chemokines
CCL14	6358 C-C motif CC-1 CC-3	17 Chemokines
CCL15-CC	348249 CCL15-CC CCL15 HCC	17 Chemokines
CCL15	6359 C-C motif HCC-2 HM	17 Chemokines
CCL16	6360 C-C motif CKb12 HCC	17 Chemokines
CCL17	6361 C-C motif A-152E5.3	16 Chemokines
CCL18	6362 C-C motif AMAC-1 A	17 Chemokines
CCL19	6363 C-C motif CKb11 ELC	9 Chemokines
CCL2	6347 C-C motif GDCF-2 H	17 Chemokines
CCL20	6364 C-C motif CKb4 Exod	2 Chemokines
CCL21	6366 C-C motif 6Ckine CKb	9 Chemokines
CCL22	6367 C-C motif A-152E5.1	16 Chemokines
CCL23	6368 C-C motif CK-BETA-8	17 Chemokines
CCL24	6369 C-C motif Ckb-6 MPI	7 Chemokines
CCL25	6370 C-C motif Ckb15 SCY	19 Chemokines
CCL26	10344 C-C motif IMAC MIP-	7 Chemokines
CCL27	10850 C-C motif ALP CTAC	9 Chemokines
CCL28	56477 C-C motif CCK1 MEC	5 Chemokines
CCL3	6348 C-C motif GOS19-1 L	17 Chemokines
CCL3L1	6349 C-C motif 464.2 D17	17 Chemokines
CCL3P1	390788 C-C motif CCL3L2 G0	17 Chemokines
CCL3L3	414062 C-C motif 464.2 D17	17 Chemokines
CCL4	6351 C-C motif ACT2 AT74	17 Chemokines
CCL4L2	9560 C-C motif AT744.2 C	17 Chemokines
CCL4L1	388372 C-C motif AT744.2 C	17 Chemokines

CCL5	6352 C-C motif D17S136E	17 Chemokines
CCL7	6354 C-C motif FIC MARC	17 Chemokines
CCL8	6355 C-C motif HC14 MCP	17 Chemokines
CKLF	51192 chemokineC32 CKLF1	16 Chemokines
CMA1	1215 chymase 1 CYH MCT1	14 Chemokines
CTSG	1511 cathepsin (CATG CG	14 Chemokines
CX3CL1	6376 C-X3-C motifABCD-3 C	16 Chemokines
CXCL1	2919 C-X-C motifFSP GRO1	4 Chemokines
CXCL10	3627 C-X-C motifC7 IFI10 IN	4 Chemokines
CXCL11	6373 C-X-C motifH174 I-TA	4 Chemokines
CXCL12	6387 C-X-C motifIRH PBSF S	10 Chemokines
CXCL13	10563 C-X-C motifANGIE AN	4 Chemokines
CXCL14	9547 C-X-C motifBMAC BRA	5 Chemokines
CXCL16	58191 C-X-C motifCXCLG16 S	17 Chemokines
CXCL17	284340 C-X-C motifDMC Dcip	19 Chemokines
CXCL2	2920 C-X-C motifCINC-2a G	4 Chemokines
CXCL3	2921 C-X-C motifCINC-2b G	4 Chemokines
CXCL5	6374 C-X-C motifENA-78 SC	4 Chemokines
CXCL6	6372 C-X-C motifCKA-3 GCI	4 Chemokines
CXCL9	4283 C-X-C motifCMK Humi	4 Chemokines
CCN1	3491 cellular corCYR61 GIG	1 Chemokines
DEFA1	1667 defensin a DEF1 DEFA	8 Chemokines
DEFA3	1668 defensin a DEF3 HNP	8 Chemokines
DEFA5	1670 defensin a DEF5 HD-5	8 Chemokines
DEFB1	1672 defensin b BD1 DEFB	8 Chemokines
DEFB103B	55894 defensin b BD-3 DEFB	8 Chemokines
DEFB104A	140596 defensin b BD-4 DEFB	8 Chemokines
DEFB4A	1673 defensin b BD-2 DEFB	8 Chemokines
EDN1	1906 endothelinARCND3 E	6 Chemokines
EDN2	1907 endothelinET-2 ET2 P	1 Chemokines
EDN3	1908 endothelinET-3 ET3 H	20 Chemokines
FGF10	2255 fibroblast ζ -	5 Chemokines
FGF2	2247 fibroblast ζ BFGF FGF-	4 Chemokines
HTN3	3347 histatin 3 HIS2 HTN2	4 Chemokines
CXCL8	3576 C-X-C motifGCP-1 GCI	4 Chemokines
LECT2	3950 leukocyte (chm-II chn	5 Chemokines
PF4	5196 platelet facCXCL4 PF-	4 Chemokines
PF4V1	5197 platelet facCXCL4L1 C	4 Chemokines
PLAU	5328 plasminogATF BDPLT	10 Chemokines
PPBP	5473 pro-plateletB-TG1 Bet	4 Chemokines
PPBPP1	728045 pro-plateletPPBPL1 TG	4 Chemokines
PROK2	60675 prokineticinBV8 HH4 K	3 Chemokines
RNASE2	6036 ribonucleaEDN RAF3	14 Chemokines
SAA1	6288 serum amyPIG4 SAA S	11 Chemokines
SAA2	6289 serum amySAA SAA1	11 Chemokines
SBDS	51119 SBDS ribosCGI-97 SD	7 Chemokines
SEMA3A	10371 semaphori COLL1 HH	7 Chemokines
SEMA3B	7869 semaphori LUCA-1 SE	3 Chemokines
SEMA3C	10512 semaphori SEMAE Ser	7 Chemokines
SEMA3D	223117 semaphori Sema-Z2 c	7 Chemokines
SEMA3E	9723 semaphori M-SEMAH	7 Chemokines
SEMA3F	6405 semaphori SEMA-IV S	3 Chemokines
SEMA3G	56920 semaphori sem2	3 Chemokines
SEMA4A	64218 semaphori CORD10 R	1 Chemokines
SEMA4B	10509 semaphori SEMAC Ser	15 Chemokines
SEMA4C	54910 semaphori M-SEMA-I	2 Chemokines
SEMA4D	10507 semaphori A8 BB18 C	9 Chemokines
SEMA4F	10505 ssemaphorM-SEMA P	2 Chemokines

SEMA4G	57715 semaphori -	10 Chemokines
SEMA5A	9037 semaphori SEMAF sen	5 Chemokines
SEMA5B	54437 semaphori SEMAG Sei	3 Chemokines
SEMA6A	57556 semaphori HT018 SEM	5 Chemokines
SEMA6B	10501 semaphori EPM11 SEM	19 Chemokines
SEMA6C	10500 semaphori SEMAY m-	1 Chemokines
SEMA6D	80031 semaphori -	15 Chemokines
SEMA7A	8482 semaphori CD108 CD\	15 Chemokines
SLIT1	6585 slit guidan\MEGF4 SLI	10 Chemokines
SLIT2	9353 slit guidan\SLIL3 Slit-2	4 Chemokines
TNC	3371 tenascin C 150-225 D	9 Chemokines
TYMP	1890 thymidine ECGF ECGF	22 Chemokines
XCL1	6375 X-C motif \ATAC LPT\	1 Chemokines
XCL2	6846 X-C motif \SCM-1b S\	1 Chemokines
C5AR1	728 compleme C5A C5AR	19 Chemokine_Receptors
ACKR2	1238 atypical ch CCBP2 CCF	3 Chemokine_Receptors
CCR1	1230 C-C motif CD191 CKF	3 Chemokine_Receptors
CCR10	2826 C-C motif GPR2	17 Chemokine_Receptors
CCR3	1232 C-C motif C C CKR3 C	3 Chemokine_Receptors
CCR4	1233 C-C motif CC-CKR-4	3 Chemokine_Receptors
CCR5	1234 C-C motif CC-CKR-5	3 Chemokine_Receptors
CCR6	1235 C-C motif BN-1 C-C	6 Chemokine_Receptors
CCR7	1236 C-C motif BLR2 CC-C	17 Chemokine_Receptors
CCR8	1237 C-C motif CC-CKR-8	3 Chemokine_Receptors
CCR9	10803 C-C motif CC-CKR-9	3 Chemokine_Receptors
ACKR4	51554 atypical ch CC-CKR-1	3 Chemokine_Receptors
CCRL2	9034 C-C motif ACKR5 CKF	3 Chemokine_Receptors
CMKLR1	1240 chemerin cCHEMERIN	12 Chemokine_Receptors
CX3CR1	1524 C-X3-C mo\CCRL1 CM	3 Chemokine_Receptors
CXCR3	2833 C-X-C mo\CD182 CD:X	Chemokine_Receptors
CXCR4	7852 C-X-C mo\CD184 D2\	2 Chemokine_Receptors
CXCR5	643 C-X-C mo\BLR1 CD18	11 Chemokine_Receptors
CXCR6	10663 C-X-C mo\BONZO C\	3 Chemokine_Receptors
ACKR3	57007 atypical ch CMKOR1 C	2 Chemokine_Receptors
CYSLTR1	10800 cysteinyl leCYSLT1 CYX	Chemokine_Receptors
CYSLTR2	57105 cysteinyl leCYSLT2 CY	13 Chemokine_Receptors
ACKR1	2532 atypical ch CCBP1 CD\	1 Chemokine_Receptors
EDNRA	1909 endothelin ET-A ETA E	4 Chemokine_Receptors
EDNRB	1910 endothelin ABCDS ET-	13 Chemokine_Receptors
FPR1	2357 formyl pepFMLP FPR	19 Chemokine_Receptors
FPR2	2358 formyl pepALXR FMLF	19 Chemokine_Receptors
FPR2	2358 formyl pepALXR FMLF	19 Chemokine_Receptors
GPR17	2840 G protein- -	2 Chemokine_Receptors
GPR32	2854 G protein- RVDR1	19 Chemokine_Receptors
GPR33	2856 G protein- -	14 Chemokine_Receptors
PTGDR2	11251 prostaglan CD294 CR\	11 Chemokine_Receptors
C5AR2	27202 compleme C5L2 GPF7	19 Chemokine_Receptors
CXCR1	3577 C-X-C mo\ C-C C-C-C	2 Chemokine_Receptors
CXCR2	3579 C-X-C mo\CD182 CD\	2 Chemokine_Receptors
LTB4R	1241 leukotriene\BLT1 BLTR	14 Chemokine_Receptors
LTB4R2	56413 leukotriene\BLT2 BLTR\	14 Chemokine_Receptors
PLAUR	5329 plasminog\CD87 U-P\	19 Chemokine_Receptors
PLXNA1	5361 plexin A1 NOV NOVI	3 Chemokine_Receptors
PLXNA2	5362 plexin A2 OCT PLXN\	1 Chemokine_Receptors
PLXNA3	55558 plexin A3 6.3 HSSEX(X	Chemokine_Receptors
PLXNA4	91584 plexin A4 FAYV282	7 Chemokine_Receptors
PLXNB1	5364 plexin B1 PLEXIN-B1	3 Chemokine_Receptors
PLXNB2	23654 plexin B2 MM1 Nb\	22 Chemokine_Receptors

PLXNB3	5365 plexin B3 PLEXB3 PLIX	Chemokine_Receptors
PLXNC1	10154 plexin C1 CD232 PLX	12 Chemokine_Receptors
PLXND1	23129 plexin D1 PLEXD1	3 Chemokine_Receptors
PTAFR	5724 platelet actPAFR	1 Chemokine_Receptors
ROBO1	6091 roundabout DUTT1 SA	3 Chemokine_Receptors
ROBO2	6092 roundabout SAX3	3 Chemokine_Receptors
ROBO3	64221 roundabout HGPPS HG	11 Chemokine_Receptors
RXFP3	51289 relaxin famGPCR135 F	5 Chemokine_Receptors
XCR1	2829 X-C motif CCXCR1 GI	3 Chemokine_Receptors
ADIPOQ	9370 adiponectin ACDC ACR	3 Cytokines
ADM	133 adrenomedullin AM PAMP	11 Cytokines
ADM2	79924 adrenomedullin AM2 dJ57C	22 Cytokines
AGRP	181 agouti related AGRT ART	16 Cytokines
AGT	183 angiotensin II ANHU SER	1 Cytokines
AMBN	258 ameloblastin AI1F	4 Cytokines
AMELX	265 amelogenin AI1E AIH1 X	Cytokines
AMH	268 anti-Müllerian MIF MIS	19 Cytokines
ANGPTL5	253935 angiopoietin -	11 Cytokines
ANGPTL7	10218 angiopoietin AngX CDT	1 Cytokines
APLN	8862 apelin APEL XNP EX	Cytokines
AREG	374 amphiregulin AR AREGB	4 Cytokines
MANF	7873 mesencephalic ARMET AR	3 Cytokines
CDNF	441549 cerebral dopamine ARMETL1	10 Cytokines
ARTN	9048 artemin ART ENOV	1 Cytokines
AVP	551 arginine vasopressin ADH ARVP	20 Cytokines
AZU1	566 azurocidin AZAMP AZ	19 Cytokines
BDNF	627 brain derived ANON2 BL	11 Cytokines
BMP1	649 bone morphogenetic OL13 PCOL	8 Cytokines
BMP10	27302 bone morphogenetic -	2 Cytokines
BMP15	9210 bone morphogenetic GDF9B ODX	Cytokines
BMP2	650 bone morphogenetic BDA2 BMP	20 Cytokines
BMP3	651 bone morphogenetic BMP-3A	4 Cytokines
BMP4	652 bone morphogenetic BMP2B BM	14 Cytokines
BMP5	653 bone morphogenetic -	6 Cytokines
BMP6	654 bone morphogenetic VGR VGR1	6 Cytokines
BMP7	655 bone morphogenetic OP-1	20 Cytokines
BMP8A	353500 bone morphogenetic OP-2	1 Cytokines
BMP8B	656 bone morphogenetic BMP8 OP2	1 Cytokines
BTC	685 betacellulin -	4 Cytokines
MYDGF	56005 myeloid development C19orf10 E	19 Cytokines
C3	718 complement component AHUS5 AR	19 Cytokines
C5	727 complement component C5D C5a C	9 Cytokines
CALCA	796 calcitonin receptor CALC1 CGI	11 Cytokines
CALCB	797 calcitonin receptor CALC2 CGI	11 Cytokines
CAMP	820 cathelicidin CAP-18 CA	3 Cytokines
CAT	847 catalase -	11 Cytokines
CCK	885 cholecystitis -	3 Cytokines
CCL1	6346 C-C motif I-309 P500	17 Cytokines
CCL11	6356 C-C motif SCYA11	17 Cytokines
CCL13	6357 C-C motif CKb10 MC	17 Cytokines
CCL14	6358 C-C motif CC-1 CC-3	17 Cytokines
CCL15-CC	348249 CCL15-CC CCL15 HCC	17 Cytokines
CCL15	6359 C-C motif HCC-2 HM	17 Cytokines
CCL16	6360 C-C motif CKb12 HCC	17 Cytokines
CCL17	6361 C-C motif A-152E5.3	16 Cytokines
CCL18	6362 C-C motif AMAC-1 A	17 Cytokines
CCL19	6363 C-C motif CKb11 ELC	9 Cytokines
CCL2	6347 C-C motif GDCF-2 HCC	17 Cytokines

CCL20	6364 C-C motif CKb4 Exod	2 Cytokines
CCL21	6366 C-C motif 6Ckine CKb	9 Cytokines
CCL22	6367 C-C motif A-152E5.1	16 Cytokines
CCL23	6368 C-C motif CK-BETA-8	17 Cytokines
CCL24	6369 C-C motif Ckb-6 MPL	7 Cytokines
CCL25	6370 C-C motif Ckb15 SCY	19 Cytokines
CCL26	10344 C-C motif IMAC MIP-	7 Cytokines
CCL27	10850 C-C motif ALP CTAC	9 Cytokines
CCL28	56477 C-C motif CCK1 MEC	5 Cytokines
CCL3	6348 C-C motif G0S19-1 L	17 Cytokines
CCL3L1	6349 C-C motif 464.2 D17	17 Cytokines
CCL3P1	390788 C-C motif CCL3L2 G0	17 Cytokines
CCL3L3	414062 C-C motif 464.2 D17	17 Cytokines
CCL4	6351 C-C motif ACT2 AT74	17 Cytokines
CCL4L2	9560 C-C motif AT744.2 C	17 Cytokines
CCL4L1	388372 C-C motif AT744.2 C	17 Cytokines
CCL5	6352 C-C motif D17S136E	17 Cytokines
CCL7	6354 C-C motif FIC MARC	17 Cytokines
CCL8	6355 C-C motif HC14 MCP	17 Cytokines
CD320	51293 CD320 mo8D6 8D6A	19 Cytokines
CD40LG	959 CD40 ligandCD154 CD4X	Cytokines
CD70	970 CD70 moleculeCD27-L CE	19 Cytokines
ADA2	51816 adenosine ADGF CEC	22 Cytokines
CER1	9350 cerberus 1.DAND4	9 Cytokines
CGA	1081 glycoproteinCG-ALPHA	6 Cytokines
CGB3	1082 chorionic 3CGB CGB5	19 Cytokines
CGB1	114335 chorionic 3-	19 Cytokines
CGB2	114336 chorionic 3-	19 Cytokines
CGB5	93659 chorionic 3CGB HCG	19 Cytokines
CGB7	94027 chorionic 3CG-beta-a	19 Cytokines
CGB8	94115 chorionic 3-	19 Cytokines
CHGA	1113 chromograninCGA	14 Cytokines
CHGB	1114 chromograninSCG1	20 Cytokines
CKLF	51192 chemokineC32 CKLF1	16 Cytokines
CLCF1	23529 cardiotropinBSF-3 BSF	11 Cytokines
CLEC11A	6320 C-type lectinCLECSF3 L	19 Cytokines
CMA1	1215 chymase 1 CYH MCT1	14 Cytokines
CMTM1	113540 CKLF like NCKLFH CKL	16 Cytokines
CMTM2	146225 CKLF like NCKLFSF2	16 Cytokines
CMTM3	123920 CKLF like NBNAS2 CKI	16 Cytokines
CMTM4	146223 CKLF like NCKLFSF4	16 Cytokines
CMTM5	116173 CKLF like NCKLFSF5	14 Cytokines
CMTM6	54918 CKLF like NCKLFSF6 PI	3 Cytokines
CMTM7	112616 CKLF like NCKLFSF7	3 Cytokines
CMTM8	152189 CKLF like NCKLFSF8 C	3 Cytokines
CNTF	1270 ciliary neurotrophic	11 Cytokines
CORT	1325 cortistatin CST-14 CS	1 Cytokines
CRH	1392 corticotropinCRF CRH1	8 Cytokines
CSF1	1435 colony stimulatingCSF-1 MC	1 Cytokines
CSF2	1437 colony stimulatingCSF GMCS	5 Cytokines
CSF3	1440 colony stimulatingC17orf33 C	17 Cytokines
CSH1	1442 chorionic sCS-1 CSA	17 Cytokines
CSH2	1443 chorionic sCS-2 CSB	17 Cytokines
CSHL1	1444 chorionic sCS-5 CSHF	17 Cytokines
CSPG5	10675 chondroitinNGC	3 Cytokines
CTF1	1489 cardiotropinCT-1 CT1	16 Cytokines
CCN2	1490 cellular connectiveCTGF HCS	6 Cytokines
CTSG	1511 cathepsin (CATG) CG	14 Cytokines

CX3CL1	6376 C-X-C motif ABCD-3 C	16 Cytokines
CXCL1	2919 C-X-C motif FSP GRO1	4 Cytokines
CXCL10	3627 C-X-C motif C7 IFI10 IN	4 Cytokines
CXCL11	6373 C-X-C motif H174 I-TA	4 Cytokines
CXCL12	6387 C-X-C motif IRH PBSF S	10 Cytokines
CXCL13	10563 C-X-C motif ANGLE AN	4 Cytokines
CXCL14	9547 C-X-C motif BMAC BRA	5 Cytokines
CXCL16	58191 C-X-C motif CXCLG16 S	17 Cytokines
CXCL17	284340 C-X-C motif DMC Dcip	19 Cytokines
CXCL2	2920 C-X-C motif CINC-2a G	4 Cytokines
CXCL3	2921 C-X-C motif CINC-2b G	4 Cytokines
CXCL5	6374 C-X-C motif ENA-78 SC	4 Cytokines
CXCL6	6372 C-X-C motif CKA-3 GC	4 Cytokines
CXCL9	4283 C-X-C motif CMK Humi	4 Cytokines
CCN1	3491 cellular coreceptor CYR61 GIG	1 Cytokines
DEFA1	1667 defensin alpha DEF1 DEFA	8 Cytokines
DEFA3	1668 defensin alpha DEF3 HNP	8 Cytokines
DEFA5	1670 defensin alpha DEF5 HD-5	8 Cytokines
DEFB1	1672 defensin beta BD1 DEFB	8 Cytokines
DEFB103B	55894 defensin beta BD-3 DEFB	8 Cytokines
DEFB104A	140596 defensin beta BD-4 DEFB	8 Cytokines
DEFB4A	1673 defensin beta BD-2 DEFB	8 Cytokines
DDIT3	22943 dickkopf 3 WNT1 SK	10 Cytokines
EBI3	10148 Epstein-Barr virus BILF1 IL27	19 Cytokines
EDN1	1906 endothelin A ARCND3 E	6 Cytokines
EDN2	1907 endothelin ET-2 ET2 P	1 Cytokines
EDN3	1908 endothelin ET-3 ET3 H	20 Cytokines
EGF	1950 epidermal growth factor HOMG4 UI	4 Cytokines
EPGN	255324 epithelial natriuretic peptide ALGV3072	4 Cytokines
EPO	2056 erythropoietin DBAL ECYT	7 Cytokines
EREG	2069 epiregulin EPR ER Ep	4 Cytokines
ESM1	11082 endothelial endocan	5 Cytokines
FAM3B	54097 FAM3 member 2-21 C21o	21 Cytokines
FAM3C	10447 FAM3 member GS3786 ILE	7 Cytokines
FAM3D	131177 FAM3 member EF7 OIT1	3 Cytokines
FASLG	356 Fas ligand ALPS1B AP	1 Cytokines
FGF1	2246 fibroblast growth factor AFGF ECGF	5 Cytokines
FGF10	2255 fibroblast growth factor -	5 Cytokines
FGF11	2256 fibroblast growth factor -11 FH	17 Cytokines
FGF12	2257 fibroblast growth factor EIEE47 FGF	3 Cytokines
FGF13	2258 fibroblast growth factor -13 FGX	Cytokines
FGF14	2259 fibroblast growth factor -14 FH	13 Cytokines
FGF16	8823 fibroblast growth factor -16 MFX	Cytokines
FGF17	8822 fibroblast growth factor -13 FG	8 Cytokines
FGF18	8817 fibroblast growth factor -18 ZF	5 Cytokines
FGF19	9965 fibroblast growth factor -	11 Cytokines
FGF2	2247 fibroblast growth factor BFGF FGF-	4 Cytokines
FGF20	26281 fibroblast growth factor -20 RH	8 Cytokines
FGF21	26291 fibroblast growth factor -	19 Cytokines
FGF22	27006 fibroblast growth factor -	19 Cytokines
FGF23	8074 fibroblast growth factor ADHR FGF	12 Cytokines
FGF3	2248 fibroblast growth factor HBGF-3 IN	11 Cytokines
FGF4	2249 fibroblast growth factor -4 HBC	11 Cytokines
FGF5	2250 fibroblast growth factor HBGF-5 Sn	4 Cytokines
FGF6	2251 fibroblast growth factor HBGF-6 H	12 Cytokines
FGF7	2252 fibroblast growth factor HBGF-7 KC	15 Cytokines
FGF8	2253 fibroblast growth factor AIGF FGF-8	10 Cytokines
FGF9	2254 fibroblast growth factor -9 GAF	13 Cytokines

VEGFD	2277 vascular erFIGF VEGF-X	Cytokines
FIGNL2	401720 fidgetin like-	12 Cytokines
FLT3LG	2323 fms relatedFL FLG3L F	19 Cytokines
FSHB	2488 follicle stimHH24	11 Cytokines
GAL	51083 galanin aneETL8 GAL-	11 Cytokines
GALP	85569 galanin like-	19 Cytokines
GAST	2520 gastrin GAS	17 Cytokines
GCG	2641 glucagon GLP-1 GLP	2 Cytokines
GDF1	2657 growth difCERS1 CH1	19 Cytokines
GDF10	2662 growth difBIP BMP-3	10 Cytokines
GDF11	10220 growth difBMP-11 BM	12 Cytokines
GDF15	9518 growth difGDF-15 M	19 Cytokines
GDF2	2658 growth difBMP-9 BM	10 Cytokines
GDF3	9573 growth difKFS3 MCO	12 Cytokines
GDF5	8200 growth difBDA1C BM	20 Cytokines
GDF6	392255 growth difBMP-13 BM	8 Cytokines
GDF7	151449 growth difBMP12	2 Cytokines
GDF9	2661 growth difPOF14	5 Cytokines
GNDF	2668 glial cell deATF ATF1 /	5 Cytokines
GH1	2688 growth hoGH GH-N	17 Cytokines
GH2	2689 growth hoGH-V GHB	17 Cytokines
GHRH	2691 growth hoGHRF GRF	20 Cytokines
GHRL	51738 ghrelin ancMTLRP	3 Cytokines
GIP	2695 gastric inhi-	17 Cytokines
GKN1	56287 gastroke AMP18 BR	2 Cytokines
GMFB	2764 glia maturgGMF	14 Cytokines
GMFG	9535 glia maturgGMF-GAM	19 Cytokines
GNRH1	2796 gonadotro GNRH GRF	8 Cytokines
GNRH2	2797 gonadotro GnRH-II LF	20 Cytokines
GPHA2	170589 glycoproteA2 GPA2 Z	11 Cytokines
GPHB5	122876 glycoproteB5 GPB5 ZI	14 Cytokines
GPI	2821 glucose-6-AMF GNPI	19 Cytokines
GREM1	26585 gremlin 1, C15DUPq C	15 Cytokines
GREM2	64388 gremlin 2, CKTSF1B2	1 Cytokines
GRN	2896 granulin prCLN11 GEF	17 Cytokines
GRP	2922 gastrin releBN GRP-1C	18 Cytokines
GUCA2A	2980 guanylate GCAP-I GL	1 Cytokines
HAMP	57817 hepcidin aiHEPC HFE2	19 Cytokines
HBEGF	1839 heparin birDTR DTS D	5 Cytokines
HDGF	3068 heparin birHMG1L2	1 Cytokines
HDGFL3	50810 HDGF like CGI-142 H	15 Cytokines
HGF	3082 hepatocyteDFNB39 F-	7 Cytokines
HTN3	3347 histatin 3 HIS2 HTN2	4 Cytokines
IAPP	3375 islet amylo DAP IAP	12 Cytokines
IFNA1	3439 interferon IFL IFN IFN	9 Cytokines
IFNA10	3446 interferon IFN-alphaC	9 Cytokines
IFNA13	3447 interferon I-	9 Cytokines
IFNA14	3448 interferon IFN-alphaI	9 Cytokines
IFNA16	3449 interferon IFN-alpha-	9 Cytokines
IFNA17	3451 interferon IFN-alphaI	9 Cytokines
IFNA2	3440 interferon IFN-alpha-	9 Cytokines
IFNA21	3452 interferon IFN-alphaI	9 Cytokines
IFNA4	3441 interferon IFN-alpha4	9 Cytokines
IFNA5	3442 interferon IFN-alpha-	9 Cytokines
IFNA6	3443 interferon IFN-alphaI	9 Cytokines
IFNA7	3444 interferon IFN-alphaJ	9 Cytokines
IFNA8	3445 interferon IFN-alphaI	9 Cytokines
IFNB1	3456 interferon IFB IFF IFN-	9 Cytokines

IFNE	338376 interferon IFN-E IFNE	9 Cytokines
IFNG	3458 interferon IFG IFI	12 Cytokines
IFNK	56832 interferon IFNT1 INFE	9 Cytokines
IFNW1	3467 interferon -	9 Cytokines
IGF1	3479 insulin like IGF IGF-II IC	12 Cytokines
IGF2	3481 insulin like C11orf43 C	11 Cytokines
IL10	3586 interleukin CSIF GVHC	1 Cytokines
IL11	3589 interleukin AGIF IL-11	19 Cytokines
IL12A	3592 interleukin CLMF IL-12	3 Cytokines
IL12B	3593 interleukin CLMF CLM	5 Cytokines
IL13	3596 interleukin IL-13 P600	5 Cytokines
IL15	3600 interleukin IL-15	4 Cytokines
IL16	3603 interleukin LCF NIL16	15 Cytokines
IL17A	3605 interleukin CTLA-8 CT	6 Cytokines
IL17B	27190 interleukin IL-17B IL-2	5 Cytokines
IL17C	27189 interleukin CX2 IL-17C	16 Cytokines
IL17D	53342 interleukin IL-17D	13 Cytokines
IL17F	112744 interleukin CANDF6 IL	6 Cytokines
IL18	3606 interleukin IGIF IL-18 I	11 Cytokines
IL19	29949 interleukin IL-10C MD	1 Cytokines
IL1A	3552 interleukin IL-1 alpha	2 Cytokines
IL1B	3553 interleukin IL-1 IL1-BE	2 Cytokines
IL1F10	84639 interleukin FIL1-theta	2 Cytokines
IL36RN	26525 interleukin FIL1 FIL1(D	2 Cytokines
IL36A	27179 interleukin FIL1 FIL1(EI	2 Cytokines
IL37	27178 interleukin FIL1 FIL1(Z	2 Cytokines
IL36B	27177 interleukin FIL1 FIL1-(I	2 Cytokines
IL36G	56300 interleukin IL-1F9 IL-1	2 Cytokines
IL1RN	3557 interleukin DIRA ICIL-	2 Cytokines
IL2	3558 interleukin IL-2 TCGF	4 Cytokines
IL20	50604 interleukin IL-20 IL10I	1 Cytokines
IL21	59067 interleukin CVID11 IL-	4 Cytokines
IL22	50616 interleukin IL-21 IL-22	12 Cytokines
IL23A	51561 interleukin IL-23 IL-23	12 Cytokines
IL24	11009 interleukin C49A FISP	1 Cytokines
IL25	64806 interleukin IL17E	14 Cytokines
IL26	55801 interleukin AK155 IL-2	12 Cytokines
IL27	246778 interleukin IL-27 IL-27	16 Cytokines
IFNL2	282616 interferon IL-28A IL28	19 Cytokines
IFNL3	282617 interferon IFN-lambda	19 Cytokines
IFNL1	282618 interferon IL-29 IL29	19 Cytokines
IL3	3562 interleukin IL-3 MCGF	5 Cytokines
IL31	386653 interleukin IL-31	12 Cytokines
IL32	9235 interleukin IL-32alpha	16 Cytokines
IL33	90865 interleukin C9orf26 D\	9 Cytokines
IL34	146433 interleukin C16orf77 IL	16 Cytokines
IL4	3565 interleukin BCGF-1 BC	5 Cytokines
IL5	3567 interleukin EDF IL-5 TI	5 Cytokines
IL6	3569 interleukin BSF-2 BSF2	7 Cytokines
IL6ST	3572 interleukin CD130 CD\	5 Cytokines
IL7	3574 interleukin IL-7	8 Cytokines
CXCL8	3576 C-X-C motif GCP-1 GCI	4 Cytokines
IL9	3578 interleukin HP40 IL-9	5 Cytokines
INH A	3623 inhibin sub -	2 Cytokines
INHBA	3624 inhibin sub EDF FRP	7 Cytokines
INHBB	3625 inhibin sub -	2 Cytokines
INHBC	3626 inhibin sub IHBC	12 Cytokines
INHBE	83729 inhibin sub -	12 Cytokines

INS	3630 insulin	IDDM IDDM	11 Cytokines
INS-IGF2	723961 INS-IGF2 r	INSIGF	11 Cytokines
INSL3	3640 insulin like	RLF RLNL	19 Cytokines
INSL4	3641 insulin like	EPIL PLACE	9 Cytokines
INSL5	10022 insulin like	PRO182 UI	1 Cytokines
INSL6	11172 insulin like	RIF1	9 Cytokines
JAG1	182 jagged car	AGS AGS1	20 Cytokines
JAG2	3714 jagged car	HJ2 SER2	14 Cytokines
FGF7P6	387628 fibroblast	KGFLP1	9 Cytokines
FGF7P3	654466 fibroblast	KGFLP2	9 Cytokines
KITLG	4254 KIT ligand	DCUA DFN	12 Cytokines
KL	9365 klotho	HFTC3	13 Cytokines
LACRT	90070 lacritin	-	12 Cytokines
LECT2	3950 leukocyte	chm-II chn	5 Cytokines
LEFTY1	10637 left-right	dLEFTB LEFT	1 Cytokines
LEFTY2	7044 left-right	dEBAF LEFT	1 Cytokines
LEP	3952 leptin	LEPD OB C	7 Cytokines
LHB	3972 luteinizing	CGB4 HH2	19 Cytokines
LIF	3976 LIF interleu	CDF DIA H	22 Cytokines
LRSAM1	90678 leucine ric	CMT2P RIF	9 Cytokines
LTA	4049 lymphotox	LT TNFB TN	6 Cytokines
LTB	4050 lymphotox	TNFC TNF	6 Cytokines
LTBP1	4052 latent trans	-	2 Cytokines
LTBP2	4053 latent trans	C14orf141	14 Cytokines
LTBP3	4054 latent trans	DASS GPH	11 Cytokines
LTBP4	8425 latent trans	ARCL1C LT	19 Cytokines
MDK	4192 midkine	ARAP MK	11 Cytokines
MIA	8190 MIA SH3 d	CD-RAP	19 Cytokines
MIF	4282 macrophag	GIF GLIF M	22 Cytokines
MLN	4295 motilin	-	6 Cytokines
MSTN	2660 myostatin	GDF8 MSL	2 Cytokines
NAMPT	10135 nicotinami	1110035O	7 Cytokines
NDP	4693 norrin cyst	EVR2 FEVRX	Cytokines
NENF	29937 neudesin	nCIR2 SCIRP	1 Cytokines
NGF	4803 nerve grow	Beta-NGF	1 Cytokines
NMB	4828 neuromedi	-	15 Cytokines
NODAL	4838 nodal grow	HTX5	10 Cytokines
CCN3	4856 cellular cor	IBP-9 IGFB	8 Cytokines
NPFF	8620 neuropept	FMRFAL	12 Cytokines
NPPA	4878 natriuretic	ANF ANP	1 Cytokines
NPPB	4879 natriuretic	BNP	1 Cytokines
NPPC	4880 natriuretic	CNP CNP2	2 Cytokines
NPY	4852 neuropept	PYY4	7 Cytokines
NRG1	3084 neuregulin	ARIA GGF	8 Cytokines
NRG2	9542 neuregulin	DON1 HRC	5 Cytokines
NRG3	10718 neuregulin	HRG3 pro-	10 Cytokines
NRG4	145957 neuregulin	HRG4	15 Cytokines
NRTN	4902 neurturin	NTN	19 Cytokines
NTF3	4908 neurotropl	HDNF NGF	12 Cytokines
NTF4	4909 neurotropl	GLC10 GLC	19 Cytokines
NTS	4922 neurotensi	NMN-125	12 Cytokines
NUDT6	11162 nudix hydr	ASFGF2 FC	4 Cytokines
OGN	4969 osteoglycir	OG OIF SLI	9 Cytokines
OSGIN1	29948 oxidative s	BDGI OKL3	16 Cytokines
OSM	5008 oncostatin	-	22 Cytokines
OSTN	344901 osteocrin	MUSCLIN	3 Cytokines
OXT	5020 oxytocin/n	OT OT-NP	20 Cytokines
ENDOU	8909 endonucle	P11 PP11 F	12 Cytokines

PDGFA	5154 platelet de PDGF-A PI	7 Cytokines
PDGFB	5155 platelet de IBGC5 PDC	22 Cytokines
PDGFC	56034 platelet de FALLOTEIN	4 Cytokines
PDGFD	80310 platelet de IEGF MSTP	11 Cytokines
PDGFRA	5156 platelet de CD140A PI	4 Cytokines
PDGFRB	5159 platelet de CD140B IB	5 Cytokines
PDGFRL	5157 platelet de PDGRL PRL	8 Cytokines
PDYN	5173 prodynorp ADCA PEN	20 Cytokines
PENK	5179 proenkephPE PENK-A	8 Cytokines
PF4	5196 platelet facCXCL4 PF-	4 Cytokines
PF4V1	5197 platelet facCXCL4L1 C	4 Cytokines
PGF	5228 placental gD12S1900	14 Cytokines
PLAU	5328 plasminogATF BDPLT	10 Cytokines
PMCH	5367 pro-melanMCH ppM	12 Cytokines
PNOC	5368 prepronocIN/OFQ INC	8 Cytokines
POMC	5443 proopiomeACTH CLIP	2 Cytokines
PPBP	5473 pro-plateleB-TG1 Bet	4 Cytokines
PPBPP1	728045 pro-platelePPBPL1 TG	4 Cytokines
PPBPP2	10895 pro-platelePPBPL2 SP	4 Cytokines
PPY	5539 pancreatic PNP PP	17 Cytokines
PRL	5617 prolactin GHA1	6 Cytokines
PRLH	51052 prolactin rPRH PRRP	2 Cytokines
PROK1	84432 prokineticieGVVEGF P	1 Cytokines
PROK2	60675 prokineticieBV8 HH4 K	3 Cytokines
PSPN	5623 persephin PSP	19 Cytokines
PTH	5741 parathyroicFIH1 PTH1	11 Cytokines
PTH2	113091 parathyroicTIP39	19 Cytokines
PTHLH	5744 parathyroicBDE2 HHM	12 Cytokines
PTN	5764 pleiotrophieHARP HB-	7 Cytokines
PYY	5697 peptide YYPYY-I PYY1	17 Cytokines
QRFP	347148 pyroglutan26RFa P51	9 Cytokines
RABEP1	9135 rabaptin, RRAB5EP RA	17 Cytokines
RABEP2	79874 rabaptin, RFRA	16 Cytokines
REG1A	5967 regeneratirICRF P19 P	2 Cytokines
RETN	56729 resistin ADSF FIZZ	19 Cytokines
RETNLB	84666 resistin likeFIZZ1 FIZZ	3 Cytokines
RLN1	6013 relaxin 1 H1 H1RLX	9 Cytokines
RLN2	6019 relaxin 2 H2 H2-RLX	9 Cytokines
RLN3	117579 relaxin 3 H3 RXN3 Z	19 Cytokines
RNASE2	6036 ribonucleaEDN RAF3	14 Cytokines
S100A6	6277 S100 calci2A9 5B10 C	1 Cytokines
SAA1	6288 serum amyPIG4 SAA S	11 Cytokines
SAA2	6289 serum amySAA SAA1	11 Cytokines
SBDS	51119 SBDS ribosCGI-97 SD	7 Cytokines
SCG2	7857 secretograCHGC EM	2 Cytokines
SCGB3A1	92304 secretogloHIN-1 HIN	5 Cytokines
SCT	6343 secretin -	11 Cytokines
AIMP1	9255 aminoacyl EMAP2 EM	4 Cytokines
SECTM1	6398 secreted aK12 SECTM	17 Cytokines
SEMA3A	10371 semaphori COLL1 HH	7 Cytokines
SEMA3B	7869 semaphori LUCA-1 SE	3 Cytokines
SEMA3C	10512 semaphori SEMAE Ser	7 Cytokines
SEMA3D	223117 semaphori Sema-Z2 c	7 Cytokines
SEMA3E	9723 semaphori M-SEMAH	7 Cytokines
SEMA3F	6405 semaphori SEMA-IV S	3 Cytokines
SEMA3G	56920 semaphori sem2	3 Cytokines
SEMA4A	64218 semaphori CORD10 R	1 Cytokines
SEMA4B	10509 semaphori SEMAC Sei	15 Cytokines

SEMA4C	54910 semaphori M-SEMA-I	2 Cytokines
SEMA4D	10507 semaphori A8 BB18 C9	9 Cytokines
SEMA4F	10505 ssemaphori M-SEMA P	2 Cytokines
SEMA4G	57715 semaphori -	10 Cytokines
SEMA5A	9037 semaphori SEMAF sen	5 Cytokines
SEMA5B	54437 semaphori SEMAG Sei	3 Cytokines
SEMA6A	57556 semaphori HT018 SEM	5 Cytokines
SEMA6B	10501 semaphori EPM11 SEM	19 Cytokines
SEMA6C	10500 semaphori SEMAY m-	1 Cytokines
SEMA6D	80031 semaphori -	15 Cytokines
SEMA7A	8482 semaphori CD108 CD\	15 Cytokines
SLIT1	6585 slit guidance MEGF4 SLI	10 Cytokines
SLIT2	9353 slit guidance SLIL3 Slit-2	4 Cytokines
SLURP1	57152 secreted L'ANUP ARS	8 Cytokines
SPP1	6696 secreted p BNSP BSP	4 Cytokines
SST	6750 somatostatin SMST	3 Cytokines
STC1	6781 stanniocalcin STC	8 Cytokines
STC2	8614 stanniocalcin STC-2 STC	5 Cytokines
TAC1	6863 tachykinin Hs.2563 NF	7 Cytokines
TDGF1	6997 teratocarci CR CR-1 C	3 Cytokines
TDGF1P3	6998 teratocarci CR-3 CRIP`X	Cytokines
TG	7038 thyroglobulin AITD3 TGN	8 Cytokines
TGFA	7039 transformin TFGA	2 Cytokines
TGFB1	7040 transformin CED DPD1	19 Cytokines
TGFB2	7042 transformin G-TSF LDS	1 Cytokines
TGFB3	7043 transformin ARVD ARV	14 Cytokines
THPO	7066 thrombopoietin MGDF MK	3 Cytokines
TNC	3371 tenascin C 150-225 D	9 Cytokines
TNF	7124 tumor necrosis DIF TNF-al	6 Cytokines
TNFRSF11F	4982 TNF receptor OCIF OPG	8 Cytokines
TNFSF10	8743 TNF superfamily APO2L Apo	3 Cytokines
TNFSF11	8600 TNF superfamily CD254 OD	13 Cytokines
TNFSF12	8742 TNF superfamily APO3L DR	17 Cytokines
TNFSF13	8741 TNF superfamily APRIL CD2	17 Cytokines
TNFSF13B	10673 TNF superfamily BAFF BLYS	13 Cytokines
TNFSF14	8740 TNF superfamily CD258 HVI	19 Cytokines
TNFSF15	9966 TNF superfamily TL1 TL1A T	9 Cytokines
TNFSF18	8995 TNF superfamily AITRL GITR	1 Cytokines
TNFSF4	7292 TNF superfamily CD134L CE	1 Cytokines
TNFSF8	944 TNF superfamily CD153 CD	9 Cytokines
TNFSF9	8744 TNF superfamily 14-1BB-L C	19 Cytokines
TOR2A	27433 torsin family TORP1	9 Cytokines
TRH	7200 thyrotropin Pro-TRH T	3 Cytokines
TSHB	7252 thyroid stimulating TSH-B TSH	1 Cytokines
TSLP	85480 thymic stromal -	5 Cytokines
TXLNA	200081 taxilin alpha IL14 TXLN	1 Cytokines
TYMP	1890 thymidine ECGF ECGF	22 Cytokines
UCN	7349 urocortin UI UROC	2 Cytokines
UCN2	90226 urocortin 2 SRP UCN-I	3 Cytokines
UCN3	114131 urocortin 3 SCP SPC U	10 Cytokines
UTS2	10911 urotensin 2 PRO1068 L	1 Cytokines
UTS2B	257313 urotensin 2 U2B URP U	3 Cytokines
VEGFA	7422 vascular endothelial MVCD1 VE	6 Cytokines
VEGFB	7423 vascular endothelial VEGFL VRF	11 Cytokines
VEGFC	7424 vascular endothelial Flt4-L LMP	4 Cytokines
VGf	7425 VGF nerve SCG7 SgVI	7 Cytokines
VIP	7432 vasoactive PHM27	6 Cytokines
XCL1	6375 X-C motif 1 ATAC LPTN	1 Cytokines

XCL2	6846 X-C motif	1 Cytokines
ACVR1B	91 activin A re	12 Cytokine_Receptors
ACVR1C	130399 activin A re	2 Cytokine_Receptors
ACVR2A	92 activin A re	2 Cytokine_Receptors
ACVR2B	93 activin A re	3 Cytokine_Receptors
ACVRL1	94 activin A re	12 Cytokine_Receptors
ADCYAP1F	117 ADCYAP re	7 Cytokine_Receptors
ADIPOR1	51094 adiponecti	1 Cytokine_Receptors
ADIPOR2	79602 adiponecti	12 Cytokine_Receptors
ADRB1	153 adrenocep	10 Cytokine_Receptors
ADRB2	154 adrenocep	5 Cytokine_Receptors
AGTR1	185 angiotensii	3 Cytokine_Receptors
AGTR2	186 angiotensii	Cytokine_Receptors
AMHR2	269 anti-Mullei	12 Cytokine_Receptors
ANGPT1	284 angiopoiet	8 Cytokine_Receptors
ANGPT4	51378 angiopoiet	20 Cytokine_Receptors
ANGPTL1	9068 angiopoiet	1 Cytokine_Receptors
ANGPTL2	23452 angiopoiet	9 Cytokine_Receptors
ANGPTL3	27329 angiopoiet	1 Cytokine_Receptors
ANGPTL4	51129 angiopoiet	19 Cytokine_Receptors
ANGPTL6	83854 angiopoiet	19 Cytokine_Receptors
APLNR	187 apelin rece	11 Cytokine_Receptors
AR	367 androgen	Cytokine_Receptors
AVPR1A	552 arginine va	12 Cytokine_Receptors
AVPR1B	553 arginine va	1 Cytokine_Receptors
AVPR2	554 arginine va	Cytokine_Receptors
BMPR1A	657 bone morç	10 Cytokine_Receptors
BMPR1B	658 bone morç	4 Cytokine_Receptors
BMPR2	659 bone morç	2 Cytokine_Receptors
BRD8	10902 bromodon	5 Cytokine_Receptors
C3AR1	719 compleme	12 Cytokine_Receptors
C5AR1	728 compleme	19 Cytokine_Receptors
CALCR	799 calcitonin	7 Cytokine_Receptors
CALCRL	10203 calcitonin	2 Cytokine_Receptors
ACKR2	1238 atypical ch	3 Cytokine_Receptors
CCR1	1230 C-C motif	3 Cytokine_Receptors
CCR10	2826 C-C motif	17 Cytokine_Receptors
CCR3	1232 C-C motif	3 Cytokine_Receptors
CCR4	1233 C-C motif	3 Cytokine_Receptors
CCR5	1234 C-C motif	3 Cytokine_Receptors
CCR6	1235 C-C motif	6 Cytokine_Receptors
CCR7	1236 C-C motif	17 Cytokine_Receptors
CCR8	1237 C-C motif	3 Cytokine_Receptors
CCR9	10803 C-C motif	3 Cytokine_Receptors
ACKR4	51554 atypical ch	3 Cytokine_Receptors
CCRL2	9034 C-C motif	3 Cytokine_Receptors
CD40	958 CD40 mole	20 Cytokine_Receptors
CMKLR1	1240 chemerin	12 Cytokine_Receptors
CNTR	1271 ciliary neur	9 Cytokine_Receptors
CRHR1	1394 corticotrop	17 Cytokine_Receptors
CRHR2	1395 corticotrop	7 Cytokine_Receptors
CRIM1	51232 cysteine ric	2 Cytokine_Receptors
CRLF1	9244 cytokine re	19 Cytokine_Receptors
CRLF2	64109 cytokine re	Cytokine_Receptors
CRLF3	51379 cytokine re	17 Cytokine_Receptors
CSF1R	1436 colony stin	5 Cytokine_Receptors
CSF2RA	1438 colony stin	Cytokine_Receptors
CSF2RB	1439 colony stin	22 Cytokine_Receptors

CSF3R	1441 colony stim CD114 GCSF	1 Cytokine_Receptors
CX3CR1	1524 C-X3-C motif class 1 CM	3 Cytokine_Receptors
CXCR3	2833 C-X-C motif class 3 CD	Cytokine_Receptors
CXCR4	7852 C-X-C motif class 4 D2	2 Cytokine_Receptors
CXCR5	643 C-X-C motif class 5 BLR1 CD18	11 Cytokine_Receptors
CXCR6	10663 C-X-C motif class 6 BONZO CD	3 Cytokine_Receptors
ACKR3	57007 atypical chemokine receptor 3 CMKOR1 C	2 Cytokine_Receptors
CYSLTR1	10800 cysteinyl leukotriene receptor 1 CY	Cytokine_Receptors
CYSLTR2	57105 cysteinyl leukotriene receptor 2 CY	13 Cytokine_Receptors
ACKR1	2532 atypical chemokine receptor 1 CD	1 Cytokine_Receptors
EDNRA	1909 endothelin A ETA ET	4 Cytokine_Receptors
EDNRB	1910 endothelin B EDS ET	13 Cytokine_Receptors
EGFR	1956 epidermal growth factor receptor ERBB	7 Cytokine_Receptors
ENG	2022 endoglin HHT1	9 Cytokine_Receptors
EPOR	2057 erythropoietin receptor EPO-R	19 Cytokine_Receptors
ESR1	2099 estrogen receptor ESR ESR	6 Cytokine_Receptors
ESR2	2100 estrogen receptor-B ETA E	14 Cytokine_Receptors
ESRRA	2101 estrogen receptor-1 ERRa	11 Cytokine_Receptors
ESRRB	2103 estrogen receptor-2 DFNB35 EF	14 Cytokine_Receptors
ESRRG	2104 estrogen receptor-gamma ERR-gam	1 Cytokine_Receptors
FGFR1	2260 fibroblast growth factor receptor CD	8 Cytokine_Receptors
FGFR2	2263 fibroblast growth factor receptor BEK F	10 Cytokine_Receptors
FGFR3	2261 fibroblast growth factor receptor CD33	4 Cytokine_Receptors
FGFR4	2264 fibroblast growth factor receptor CD334 JTK	5 Cytokine_Receptors
FGFRL1	53834 fibroblast growth factor receptor-like 1 FG	4 Cytokine_Receptors
FLT1	2321 fms related tyrosine kinase FLT-1 F	13 Cytokine_Receptors
FLT3	2322 fms related tyrosine kinase CD135 FLK	13 Cytokine_Receptors
FLT4	2324 fms related tyrosine kinase CHTD7 FLT	5 Cytokine_Receptors
FPR1	2357 formyl peptide receptor 1 FPR	19 Cytokine_Receptors
FPR2	2358 formyl peptide receptor 2 ALXR FMLF	19 Cytokine_Receptors
FPR2	2358 formyl peptide receptor 2 ALXR FMLF	19 Cytokine_Receptors
FSHR	2492 follicle stimulating hormone receptor FSH	2 Cytokine_Receptors
GALR2	8811 galanin receptor 2 GAL2-R G	17 Cytokine_Receptors
GALR3	8484 galanin receptor 3	22 Cytokine_Receptors
GCGR	2642 glucagon receptor GGR GL-R	17 Cytokine_Receptors
GHR	2690 growth hormone receptor GHR GH	5 Cytokine_Receptors
GHRHR	2692 growth hormone releasing hormone receptor GR	7 Cytokine_Receptors
GHSR	2693 growth hormone secretagogue receptor GHDP	3 Cytokine_Receptors
GIPR	2696 gastric inhibitory polypeptide receptor PGQL2	19 Cytokine_Receptors
GLP1R	2740 glucagon-like peptide 1 receptor GLP	6 Cytokine_Receptors
GLP2R	9340 glucagon-like peptide 2 receptor	17 Cytokine_Receptors
GNRHR	2798 gonadotropin-releasing hormone receptor 1 G	4 Cytokine_Receptors
GPB1	2852 G protein-coupled receptor 1 CEPR CMK	7 Cytokine_Receptors
GPR17	2840 G protein-coupled receptor 17	2 Cytokine_Receptors
GPR32	2854 G protein-coupled receptor 32 RVDR1	19 Cytokine_Receptors
GPR33	2856 G protein-coupled receptor 33	14 Cytokine_Receptors
PTGDR2	11251 prostaglandin G/H synthase 2 CD294 CR	11 Cytokine_Receptors
C5AR2	27202 complement component 5 L2 GPF7	19 Cytokine_Receptors
HNF4A	3172 hepatocyte nuclear factor 4A HNF	20 Cytokine_Receptors
HNF4G	3174 hepatocyte nuclear factor 4G NR	8 Cytokine_Receptors
HTR3A	3359 5-hydroxytryptamine receptor 3A 5-HT-3 5	11 Cytokine_Receptors
HTR3B	9177 5-hydroxytryptamine receptor 3B 5-HT3B	11 Cytokine_Receptors
HTR3C	170572 5-hydroxytryptamine receptor 3C 5-HT3C	3 Cytokine_Receptors
HTR3D	200909 5-hydroxytryptamine receptor 3D 5-HT3D	3 Cytokine_Receptors
HTR3E	285242 5-hydroxytryptamine receptor 3E 5-HT3-E 5	3 Cytokine_Receptors
IFNAR1	3454 interferon alpha AVP IFN-a	21 Cytokine_Receptors
IFNAR2	3455 interferon beta IFN-B IFN-	21 Cytokine_Receptors
IFNGR1	3459 interferon gamma CD119 IFN	6 Cytokine_Receptors

IFNGR2	3460 interferon γ AF-1 IFGR2	21 Cytokine_Receptors
IGF1R	3480 insulin like CD221 IGF	15 Cytokine_Receptors
IGF2R	3482 insulin like CD222 CI-	6 Cytokine_Receptors
IL10RA	3587 interleukin CD210 CD2	11 Cytokine_Receptors
IL10RB	3588 interleukin CDW210B	21 Cytokine_Receptors
IL11RA	3590 interleukin CRSDA	9 Cytokine_Receptors
IL12RB1	3594 interleukin CD212 IL-1	19 Cytokine_Receptors
IL12RB2	3595 interleukin -	1 Cytokine_Receptors
IL13RA1	3597 interleukin CD213A1 CX	Cytokine_Receptors
IL13RA2	3598 interleukin CD213A2 CX	Cytokine_Receptors
IL15RA	3601 interleukin CD215	10 Cytokine_Receptors
IL2RB	3560 interleukin CD122 IL15	22 Cytokine_Receptors
IL17RA	23765 interleukin CANDF5 C	22 Cytokine_Receptors
IL17RB	55540 interleukin CRL4 EVI27	3 Cytokine_Receptors
IL17RC	84818 interleukin CANDF9 IL	3 Cytokine_Receptors
IL17RD	54756 interleukin HH18 IL-17	3 Cytokine_Receptors
IL17RE	132014 interleukin -	3 Cytokine_Receptors
IL18R1	8809 interleukin CD218a CI	2 Cytokine_Receptors
IL18RAP	8807 interleukin ACPL CD21	2 Cytokine_Receptors
IL1R1	3554 interleukin CD121A D	2 Cytokine_Receptors
IL1R2	7850 interleukin CD121b CI	2 Cytokine_Receptors
IL1RAP	3556 interleukin C3orf13 IL-	3 Cytokine_Receptors
IL1RL1	9173 interleukin DER4 FIT-1	2 Cytokine_Receptors
IL1RL2	8808 interleukin IL-1R α IL	2 Cytokine_Receptors
IL20RA	53832 interleukin CRF2-8 IL-	6 Cytokine_Receptors
IL20RB	53833 interleukin DIRS1 FND	3 Cytokine_Receptors
IL21R	50615 interleukin CD360 IMC	16 Cytokine_Receptors
IL22RA1	58985 interleukin CRF2-9 IL2	1 Cytokine_Receptors
IL22RA2	116379 interleukin CRF2-10 C	6 Cytokine_Receptors
IL23R	149233 interleukin -	1 Cytokine_Receptors
IL27RA	9466 interleukin CRL1 IL-27	19 Cytokine_Receptors
IFNLR1	163702 interferon γ CRF2/12 IF	1 Cytokine_Receptors
IL2RA	3559 interleukin CD25 IDD α	10 Cytokine_Receptors
IL2RB	3560 interleukin CD122 IL15	22 Cytokine_Receptors
IL2RG	3561 interleukin CD132 CIDX	Cytokine_Receptors
IL31RA	133396 interleukin CRL CRL3 C	5 Cytokine_Receptors
IL3RA	3563 interleukin CD123 IL3 β X Y	Cytokine_Receptors
IL4R	3566 interleukin CD124 IL-4	16 Cytokine_Receptors
IL5RA	3568 interleukin CD125 CD α	3 Cytokine_Receptors
IL6R	3570 interleukin CD126 IL-6	1 Cytokine_Receptors
IL7R	3575 interleukin CD127 CD α	5 Cytokine_Receptors
CXCR1	3577 C-X-C mo α C-C C-C-C	2 Cytokine_Receptors
CXCR2	3579 C-X-C mo α CD182 CD α	2 Cytokine_Receptors
IL9R	3581 interleukin CD129 IL-5X Y	Cytokine_Receptors
INSR	3643 insulin rece α CD220 HH	19 Cytokine_Receptors
KDR	3791 kinase inseCD309 FLK	4 Cytokine_Receptors
LEPR	3953 leptin rece CD295 LEP	1 Cytokine_Receptors
LGR4	55366 leucine ric α BNMD17 C	11 Cytokine_Receptors
LGR5	8549 leucine ric α FEX GPR49	12 Cytokine_Receptors
LGR6	59352 leucine ric α GPCR VTS2	1 Cytokine_Receptors
LHCGR	3973 luteinizing HHG LCGR	2 Cytokine_Receptors
LIFR	3977 LIF recept α CD118 LIF-	5 Cytokine_Receptors
LTB4R	1241 leukotriene α BLT1 BLTR	14 Cytokine_Receptors
LTB4R2	56413 leukotriene α BLT2 BLTR α	14 Cytokine_Receptors
LTBR	4055 lymphotox D12S370 L	12 Cytokine_Receptors
MC1R	4157 melanocor CMM5 MS	16 Cytokine_Receptors
MC2R	4158 melanocor ACTHR	18 Cytokine_Receptors
MC3R	4159 melanocor BMIQ9 MC	20 Cytokine_Receptors

MC4R	4160 melanocortin 4 receptor	18 Cytokine_Receptors
MCHR1	2847 melanin-concentrating hormone receptor 1	22 Cytokine_Receptors
MCHR2	84539 melanin-concentrating hormone receptor 2	6 Cytokine_Receptors
MET	4233 MET proto-oncogene	7 Cytokine_Receptors
MLNR	2862 motilin receptor	13 Cytokine_Receptors
MPL	4352 MPL proto-oncogene	1 Cytokine_Receptors
MTNR1A	4543 melatonin receptor 1A	4 Cytokine_Receptors
MTNR1B	4544 melatonin receptor 1B	11 Cytokine_Receptors
NGFR	4804 nerve growth factor receptor	17 Cytokine_Receptors
NMBR	4829 neuromedin B receptor	6 Cytokine_Receptors
NPR1	4881 natriuretic peptide receptor 1	1 Cytokine_Receptors
NPR3	4883 natriuretic peptide receptor 3	5 Cytokine_Receptors
NR0B1	190 nuclear receptor subfamily 0 class B member 1	Cytokine_Receptors
NR0B2	8431 nuclear receptor subfamily 0 class B member 2	1 Cytokine_Receptors
NR1D1	9572 nuclear receptor subfamily 1 class D member 1	17 Cytokine_Receptors
NR1D2	9975 nuclear receptor subfamily 1 class D member 2	3 Cytokine_Receptors
NR1H2	7376 nuclear receptor subfamily 1 class H member 2	19 Cytokine_Receptors
NR1H3	10062 nuclear receptor subfamily 1 class H member 3	11 Cytokine_Receptors
NR1H4	9971 nuclear receptor subfamily 1 class H member 4	12 Cytokine_Receptors
NR1I2	8856 nuclear receptor subfamily 1 class I member 2	3 Cytokine_Receptors
NR1I3	9970 nuclear receptor subfamily 1 class I member 3	1 Cytokine_Receptors
NR2C1	7181 nuclear receptor subfamily 2 class C member 1	12 Cytokine_Receptors
NR2C2	7182 nuclear receptor subfamily 2 class C member 2	3 Cytokine_Receptors
NR2E1	7101 nuclear receptor subfamily 2 class E member 1	6 Cytokine_Receptors
NR2E3	10002 nuclear receptor subfamily 2 class E member 3	15 Cytokine_Receptors
NR2F1	7025 nuclear receptor subfamily 2 class F member 1	5 Cytokine_Receptors
NR2F2	7026 nuclear receptor subfamily 2 class F member 2	15 Cytokine_Receptors
NR2F6	2063 nuclear receptor subfamily 2 class F member 6	19 Cytokine_Receptors
NR3C1	2908 nuclear receptor subfamily 3 class C member 1	5 Cytokine_Receptors
NR3C2	4306 nuclear receptor subfamily 3 class C member 2	4 Cytokine_Receptors
NR4A1	3164 nuclear receptor subfamily 4 class A member 1	12 Cytokine_Receptors
NR4A2	4929 nuclear receptor subfamily 4 class A member 2	2 Cytokine_Receptors
NR4A3	8013 nuclear receptor subfamily 4 class A member 3	9 Cytokine_Receptors
NR5A1	2516 nuclear receptor subfamily 5 class A member 1	9 Cytokine_Receptors
NR5A2	2494 nuclear receptor subfamily 5 class A member 2	1 Cytokine_Receptors
NR6A1	2649 nuclear receptor subfamily 6 class A member 1	9 Cytokine_Receptors
NRP1	8829 neuropilin 1	10 Cytokine_Receptors
NRP2	8828 neuropilin 2	2 Cytokine_Receptors
OGFR	11054 opioid growth factor receptor	20 Cytokine_Receptors
OPRD1	4985 opioid receptor delta	1 Cytokine_Receptors
OPRK1	4986 opioid receptor kappa	8 Cytokine_Receptors
OPRL1	4987 opioid receptor lambda	20 Cytokine_Receptors
OPRM1	4988 opioid receptor mu	6 Cytokine_Receptors
OSMR	9180 oncostatin receptor	5 Cytokine_Receptors
OXTR	5021 oxytocin receptor	3 Cytokine_Receptors
PGR	5241 progesterone receptor	11 Cytokine_Receptors
PGRMC2	10424 progesterone receptor membrane component 2	4 Cytokine_Receptors
PLAUR	5329 plasminogen receptor	19 Cytokine_Receptors
PLXNA1	5361 plexin A1	3 Cytokine_Receptors
PLXNA2	5362 plexin A2	1 Cytokine_Receptors
PLXNA3	55558 plexin A3	Cytokine_Receptors
PLXNA4	91584 plexin A4	7 Cytokine_Receptors
PLXNB1	5364 plexin B1	3 Cytokine_Receptors
PLXNB2	23654 plexin B2	22 Cytokine_Receptors
PLXNB3	5365 plexin B3	Cytokine_Receptors
PLXNC1	10154 plexin C1	12 Cytokine_Receptors
PLXND1	23129 plexin D1	3 Cytokine_Receptors
PPARA	5465 peroxisome proliferator-activated receptor alpha	22 Cytokine_Receptors

PPARD	5467 peroxisomFAAR NR10	6 Cytokine_Receptors
PPARG	5468 peroxisomC1MT1 GLA	3 Cytokine_Receptors
PRLHR	2834 prolactin rGPR10 GR3	10 Cytokine_Receptors
PRLR	5618 prolactin rHPRL MFA	5 Cytokine_Receptors
PTAFR	5724 platelet actPAFR	1 Cytokine_Receptors
PTGDR	5729 prostaglan AS1 ASRT1	14 Cytokine_Receptors
PTGDS	5730 prostaglan L-PGDS LP	9 Cytokine_Receptors
PTGER1	5731 prostaglan EP1	19 Cytokine_Receptors
PTGER2	5732 prostaglan EP2	14 Cytokine_Receptors
PTGER3	5733 prostaglan EP3 EP3- I	1 Cytokine_Receptors
PTGER4	5734 prostaglan EP4 EP4R	5 Cytokine_Receptors
PTGFR	5737 prostaglan FP	1 Cytokine_Receptors
PTH1R	5745 parathyroicEKNS PFE F	3 Cytokine_Receptors
PTH2R	5746 parathyroicPTHR2	2 Cytokine_Receptors
RARA	5914 retinoic aciNR1B1 RAI	17 Cytokine_Receptors
RARB	5915 retinoic aciHAP MCOI	3 Cytokine_Receptors
RARG	5916 retinoic aciNR1B3 RAI	12 Cytokine_Receptors
ROBO1	6091 roundabouDUTT1 SA>	3 Cytokine_Receptors
ROBO2	6092 roundabouSAX3	3 Cytokine_Receptors
ROBO3	64221 roundabouHGPPS HG	11 Cytokine_Receptors
RORA	6095 RAR relateIDDECA NI	15 Cytokine_Receptors
RORB	6096 RAR relateEIG15 NR1	9 Cytokine_Receptors
RORC	6097 RAR relateIMD42 NR	1 Cytokine_Receptors
RXFP1	59350 relaxin famLGR7 RXFP	4 Cytokine_Receptors
RXFP2	122042 relaxin famGPR106 GF	13 Cytokine_Receptors
RXFP3	51289 relaxin famGPCR135 F	5 Cytokine_Receptors
RXRA	6256 retinoid X iNR2B1	9 Cytokine_Receptors
RXRB	6257 retinoid X iDAUDI6 H	6 Cytokine_Receptors
RXRG	6258 retinoid X iNR2B3 RXF	1 Cytokine_Receptors
S1PR1	1901 sphingosinCD363 CHI	1 Cytokine_Receptors
S1PR2	9294 sphingosinAGR16 DFI	19 Cytokine_Receptors
SCTR	6344 secretin reSR	2 Cytokine_Receptors
SDC1	6382 syndecan 1CD138 SDC	2 Cytokine_Receptors
SDC2	6383 syndecan 2CD362 HSF	8 Cytokine_Receptors
SDC3	9672 syndecan 3SDCN SYN	1 Cytokine_Receptors
SDC4	6385 syndecan 4SYND4	20 Cytokine_Receptors
SORT1	6272 sortilin 1 Gp95 LDLC	1 Cytokine_Receptors
SSTR1	6751 somatostaSRIF-2 SS-	14 Cytokine_Receptors
SSTR2	6752 somatosta-	17 Cytokine_Receptors
SSTR5	6755 somatostaSS-5-R	16 Cytokine_Receptors
ST2	6761 - -	11 Cytokine_Receptors
TACR1	6869 tachykinin NK1R NKIR	2 Cytokine_Receptors
TEK	7010 TEK receptCD202B GI	9 Cytokine_Receptors
TGFBR1	7046 transformirAAT5 ACVI	9 Cytokine_Receptors
TGFBR2	7048 transformirAAT3 FAA3	3 Cytokine_Receptors
TGFBR3	7049 transformirBGCAN be	1 Cytokine_Receptors
THRA	7067 thyroid hoAR7 CHNG	17 Cytokine_Receptors
THRB	7068 thyroid hoC-ERBA-2	3 Cytokine_Receptors
TIE1	7075 tyrosine kirJTK14 TIE	1 Cytokine_Receptors
TNFRSF10/	8797 TNF receptAPO2 CD2	8 Cytokine_Receptors
TNFRSF10/	8795 TNF receptCD262 DR	8 Cytokine_Receptors
TNFRSF10/	8794 TNF receptCD263 DCI	8 Cytokine_Receptors
TNFRSF10/	8793 TNF receptCD264 DCI	8 Cytokine_Receptors
TNFRSF11/	8792 TNF receptCD265 FEC	18 Cytokine_Receptors
TNFRSF12/	51330 TNF receptCD266 FN1	16 Cytokine_Receptors
TNFRSF13/	23495 TNF receptCD267 CVI	17 Cytokine_Receptors
TNFRSF13/	115650 TNF receptBAFF-R BA	22 Cytokine_Receptors
TNFRSF14	8764 TNF receptATAR CD2	1 Cytokine_Receptors

TNFRSF17	608 TNF recept	BCM BCM/	16 Cytokine_Receptors
TNFRSF18	8784 TNF recept	AITR CD35	1 Cytokine_Receptors
TNFRSF19	55504 TNF recept	TAJ TAJ-al	13 Cytokine_Receptors
TNFRSF1A	7132 TNF recept	CD120a FP	12 Cytokine_Receptors
TNFRSF1B	7133 TNF recept	CD120b TE	1 Cytokine_Receptors
TNFRSF21	27242 TNF recept	BM-018 CI	6 Cytokine_Receptors
TNFRSF25	8718 TNF recept	APO-3 DD	1 Cytokine_Receptors
TNFRSF4	7293 TNF recept	ACT35 CD:	1 Cytokine_Receptors
TNFRSF6B	8771 TNF recept	DCR3 DJ58	20 Cytokine_Receptors
TNFRSF8	943 TNF recept	CD30 D1S1	1 Cytokine_Receptors
TNFRSF9	3604 TNF recept	4-1BB CD1	1 Cytokine_Receptors
TRHR	7201 thyrotropir	CHNG7 TR	8 Cytokine_Receptors
TSHR	7253 thyroid stir	CHNG1 LG	14 Cytokine_Receptors
TUBB3	10381 tubulin bet	CDCBM CC	16 Cytokine_Receptors
VDR	7421 vitamin D r	NR1I1 PPP	12 Cytokine_Receptors
VIPR1	7433 vasoactive	HVR1 III PA	3 Cytokine_Receptors
VIPR2	7434 vasoactive	C16DUPq3	7 Cytokine_Receptors
XCR1	2829 X-C motif	CCXCR1 GI	3 Cytokine_Receptors
IFNA10	3446 interferon	IFN-alphaC	9 Interferons
IFNA13	3447 interferon	-	9 Interferons
IFNA14	3448 interferon	IFN-alpha	9 Interferons
IFNA16	3449 interferon	IFN-alpha-	9 Interferons
IFNA17	3451 interferon	IFN-alpha	9 Interferons
IFNA2	3440 interferon	IFN-alpha-	9 Interferons
IFNA21	3452 interferon	IFN-alpha	9 Interferons
IFNA4	3441 interferon	IFN-alpha	9 Interferons
IFNA5	3442 interferon	IFN-alpha-	9 Interferons
IFNA6	3443 interferon	IFN-alpha	9 Interferons
IFNA7	3444 interferon	IFN-alpha	9 Interferons
IFNA8	3445 interferon	IFN-alpha	9 Interferons
IFNB1	3456 interferon	IFB IFF IFN-	9 Interferons
IFNE	338376 interferon	IFN-E IFNE	9 Interferons
IFNG	3458 interferon	IFG IFI	12 Interferons
IFNK	56832 interferon	IFNT1 INFE	9 Interferons
IFNW1	3467 interferon	-	9 Interferons
IFNAR2	3455 interferon	IFN-R IFN-	21 Interferon_Receptor
IFNGR1	3459 interferon	CD119 IFN	6 Interferon_Receptor
IFNGR2	3460 interferon	AF-1 IFGR	21 Interferon_Receptor
IL11	3589 interleukin	AGIF IL-11	19 Interleukins
IL12A	3592 interleukin	CLMF IL-1	3 Interleukins
IL12B	3593 interleukin	CLMF CLM	5 Interleukins
IL13	3596 interleukin	IL-13 P600	5 Interleukins
IL15	3600 interleukin	IL-15	4 Interleukins
IL16	3603 interleukin	LCF NIL16	15 Interleukins
IL17A	3605 interleukin	CTLA-8 CT	6 Interleukins
IL17B	27190 interleukin	IL-17B IL-2	5 Interleukins
IL17C	27189 interleukin	CX2 IL-17C	16 Interleukins
IL17D	53342 interleukin	IL-17D	13 Interleukins
IL17F	112744 interleukin	CANDF6 IL	6 Interleukins
IL18	3606 interleukin	IGIF IL-18 I	11 Interleukins
IL19	29949 interleukin	IL-10C MD	1 Interleukins
IL1A	3552 interleukin	IL-1 alpha	2 Interleukins
IL1B	3553 interleukin	IL-1 IL1-BE	2 Interleukins
IL1F10	84639 interleukin	FIL1-theta	2 Interleukins
IL36RN	26525 interleukin	FIL1 FIL1(D	2 Interleukins
IL36A	27179 interleukin	FIL1 FIL1(E	2 Interleukins
IL37	27178 interleukin	FIL1 FIL1(Z	2 Interleukins
IL36B	27177 interleukin	FIL1 FIL1-(I	2 Interleukins

IL36G	56300 interleukin IL-1F9 IL-1	2 Interleukins
IL1RN	3557 interleukin DIRA ICIL-	2 Interleukins
IL2	3558 interleukin IL-2 TCGF	4 Interleukins
IL20	50604 interleukin IL-20 IL10	1 Interleukins
IL21	59067 interleukin CVID11 IL-	4 Interleukins
IL22	50616 interleukin IL-21 IL-22	12 Interleukins
IL23A	51561 interleukin IL-23 IL-23	12 Interleukins
IL24	11009 interleukin C49A FISP	1 Interleukins
IL25	64806 interleukin IL17E	14 Interleukins
IL26	55801 interleukin AK155 IL-2	12 Interleukins
IL27	246778 interleukin IL-27 IL-27	16 Interleukins
IFNL2	282616 interferon IL-28A IL28	19 Interleukins
IFNL3	282617 interferon IFN-lambda	19 Interleukins
IFNL1	282618 interferon IL-29 IL29	19 Interleukins
IL3	3562 interleukin IL-3 MCGF	5 Interleukins
IL31	386653 interleukin IL-31	12 Interleukins
IL32	9235 interleukin IL-32alpha	16 Interleukins
IL33	90865 interleukin C9orf26 D\	9 Interleukins
IL34	146433 interleukin C16orf77 IL	16 Interleukins
IL4	3565 interleukin BCGF-1 BC	5 Interleukins
IL5	3567 interleukin EDF IL-5 TI	5 Interleukins
IL6	3569 interleukin BSF-2 BSF2	7 Interleukins
IL6ST	3572 interleukin CD130 CD\	5 Interleukins
IL7	3574 interleukin IL-7	8 Interleukins
CXCL8	3576 C-X-C motif GCP-1 GCI	4 Interleukins
IL9	3578 interleukin HP40 IL-9	5 Interleukins
TXLNA	200081 taxilin alpha IL14 TXLN	1 Interleukins
IL10RA	3587 interleukin CD210 CD2	11 Interleukins_Receptor
IL10RB	3588 interleukin CDW210B	21 Interleukins_Receptor
IL11RA	3590 interleukin CRSDA	9 Interleukins_Receptor
IL12RB1	3594 interleukin CD212 IL-1	19 Interleukins_Receptor
IL12RB2	3595 interleukin -	1 Interleukins_Receptor
IL13RA1	3597 interleukin CD213A1 CX	Interleukins_Receptor
IL13RA2	3598 interleukin CD213A2 CX	Interleukins_Receptor
IL15RA	3601 interleukin CD215	10 Interleukins_Receptor
IL2RB	3560 interleukin CD122 IL15	22 Interleukins_Receptor
IL17RA	23765 interleukin CANDF5 C	22 Interleukins_Receptor
IL17RB	55540 interleukin CRL4 EVI27	3 Interleukins_Receptor
IL17RC	84818 interleukin CANDF9 IL	3 Interleukins_Receptor
IL17RD	54756 interleukin HH18 IL-17	3 Interleukins_Receptor
IL17RE	132014 interleukin -	3 Interleukins_Receptor
IL18R1	8809 interleukin CD218a CI	2 Interleukins_Receptor
IL18RAP	8807 interleukin ACPL CD21	2 Interleukins_Receptor
IL1R1	3554 interleukin CD121A D	2 Interleukins_Receptor
IL1R2	7850 interleukin CD121b CI	2 Interleukins_Receptor
IL1RAP	3556 interleukin C3orf13 IL-	3 Interleukins_Receptor
IL1RL1	9173 interleukin DER4 FIT-1	2 Interleukins_Receptor
IL1RL2	8808 interleukin IL-1Rrp2 IL	2 Interleukins_Receptor
IL20RA	53832 interleukin CRF2-8 IL-	6 Interleukins_Receptor
IL20RB	53833 interleukin DIRS1 FND	3 Interleukins_Receptor
IL21R	50615 interleukin CD360 IMI	16 Interleukins_Receptor
IL22RA1	58985 interleukin CRF2-9 IL2	1 Interleukins_Receptor
IL22RA2	116379 interleukin CRF2-10 C	6 Interleukins_Receptor
IL23R	149233 interleukin -	1 Interleukins_Receptor
IL27RA	9466 interleukin CRL1 IL-27	19 Interleukins_Receptor
IFNLR1	163702 interferon CRF2/12 IF	1 Interleukins_Receptor
IL2RA	3559 interleukin CD25 IDDM	10 Interleukins_Receptor
IL2RB	3560 interleukin CD122 IL15	22 Interleukins_Receptor

IL2RG	3561 interleukin CD132 CDX	Interleukins_Receptor
IL31RA	133396 interleukin CRL CRL3 C	5 Interleukins_Receptor
IL3RA	3563 interleukin CD123 IL3 X Y	Interleukins_Receptor
IL4R	3566 interleukin CD124 IL-4	16 Interleukins_Receptor
IL5RA	3568 interleukin CD125 CD4	3 Interleukins_Receptor
IL6R	3570 interleukin CD126 IL-6	1 Interleukins_Receptor
IL7R	3575 interleukin CD127 CD4	5 Interleukins_Receptor
CXCR1	3577 C-X-C mo: C-C C-C-C	2 Interleukins_Receptor
CXCR2	3579 C-X-C mo: CD182 CD4	2 Interleukins_Receptor
IL9R	3581 interleukin CD129 IL-9 X Y	Interleukins_Receptor
ST2	6761 - -	11 Interleukins_Receptor
HLA-A	3105 major histcHLAA	6 NaturalKiller_Cell_Cytotoxicity
HLA-B	3106 major histcAS B-4901	6 NaturalKiller_Cell_Cytotoxicity
HLA-C	3107 major histcD6S204 HL	6 NaturalKiller_Cell_Cytotoxicity
HLA-E	3133 major histcHLA-6.2 Q	6 NaturalKiller_Cell_Cytotoxicity
HLA-G	3135 major histcMHC-G	6 NaturalKiller_Cell_Cytotoxicity
KIR3DL1	3811 killer cell irCD158E1 K	19 NaturalKiller_Cell_Cytotoxicity
KIR3DL2	3812 killer cell ir3DL2 CD15	19 NaturalKiller_Cell_Cytotoxicity
KIR2DL1	3802 killer cell irCD158A KI	19 NaturalKiller_Cell_Cytotoxicity
KIR2DL2	3803 killer cell irCD158B1 C	19 NaturalKiller_Cell_Cytotoxicity
KIR2DL3	3804 killer cell irCD158B2 C	19 NaturalKiller_Cell_Cytotoxicity
KIR2DL4	3805 killer cell irCD158D G	19 NaturalKiller_Cell_Cytotoxicity
KIR2DL5A	57292 killer cell irCD158F KI	19 NaturalKiller_Cell_Cytotoxicity
KLRC1	3821 killer cell leCD159A N	12 NaturalKiller_Cell_Cytotoxicity
KLRC2	3822 killer cell leCD159c N	12 NaturalKiller_Cell_Cytotoxicity
KLRC3	3823 killer cell leNKG2-E NI	12 NaturalKiller_Cell_Cytotoxicity
KLRD1	3824 killer cell leCD94	12 NaturalKiller_Cell_Cytotoxicity
PTPN6	5777 protein tyr:HCP HCPH	12 NaturalKiller_Cell_Cytotoxicity
PTPN11	5781 protein tyr:BTP3 CFC	12 NaturalKiller_Cell_Cytotoxicity
ICAM1	3383 intercellulaBB2 CD54 I	19 NaturalKiller_Cell_Cytotoxicity
ICAM2	3384 intercellulaCD102	17 NaturalKiller_Cell_Cytotoxicity
ITGAL	3683 integrin su CD11A LFA	16 NaturalKiller_Cell_Cytotoxicity
ITGB2	3689 integrin su CD18 LAD	21 NaturalKiller_Cell_Cytotoxicity
PTK2B	2185 protein tyr:CADTK CA	8 NaturalKiller_Cell_Cytotoxicity
VAV3	10451 vav guanin -	1 NaturalKiller_Cell_Cytotoxicity
VAV1	7409 vav guaninVAV	19 NaturalKiller_Cell_Cytotoxicity
VAV2	7410 vav guaninVAV-2	9 NaturalKiller_Cell_Cytotoxicity
RAC1	5879 Rac family MIG5 MRD	7 NaturalKiller_Cell_Cytotoxicity
RAC2	5880 Rac family EN-7 Gx H	22 NaturalKiller_Cell_Cytotoxicity
RAC3	5881 Rac family -	17 NaturalKiller_Cell_Cytotoxicity
PAK1	5058 p21 (RAC1 IDDMSSD I	11 NaturalKiller_Cell_Cytotoxicity
MAP2K1	5604 mitogen-aCFC3 MAP	15 NaturalKiller_Cell_Cytotoxicity
MAP2K2	5605 mitogen-aCFC4 MAP	19 NaturalKiller_Cell_Cytotoxicity
MAPK1	5594 mitogen-aERK ERK-2	22 NaturalKiller_Cell_Cytotoxicity
MAPK3	5595 mitogen-aERK-1 ERK	16 NaturalKiller_Cell_Cytotoxicity
TNF	7124 tumor necrDIF TNF-a	6 NaturalKiller_Cell_Cytotoxicity
CSF2	1437 colony stinCSF GMCS	5 NaturalKiller_Cell_Cytotoxicity
IFNG	3458 interferon IFG IFI	12 NaturalKiller_Cell_Cytotoxicity
KIR2DS1	3806 killer cell irCD158H CI	19 NaturalKiller_Cell_Cytotoxicity
KIR2DS3	3808 killer cell irNKAT7	19 NaturalKiller_Cell_Cytotoxicity
KIR2DS4	3809 killer cell irCD158I KIR	19 NaturalKiller_Cell_Cytotoxicity
KIR2DS5	3810 killer cell irCD158G N	19 NaturalKiller_Cell_Cytotoxicity
NCR2	9436 natural cyt CD336 LY9	6 NaturalKiller_Cell_Cytotoxicity
TYROBP	7305 transmemkDAP12 KAI	19 NaturalKiller_Cell_Cytotoxicity
LCK	3932 LCK proto-IMD22 LSK	1 NaturalKiller_Cell_Cytotoxicity
FCGR3A	2214 Fc fragmerCD16 CD16	1 NaturalKiller_Cell_Cytotoxicity
FCGR3B	2215 Fc fragmerCD16 CD16	1 NaturalKiller_Cell_Cytotoxicity
NCR1	9437 natural cyt CD335 LY9	19 NaturalKiller_Cell_Cytotoxicity

NCR3	259197	natural cyt1C7 CD337	6 NaturalKiller_Cell_Cytotoxicity
FCER1G	2207	Fc fragmerFCRG	1 NaturalKiller_Cell_Cytotoxicity
CD247	919	CD247 mo CD3-ZETA	1 NaturalKiller_Cell_Cytotoxicity
ZAP70	7535	zeta chain ADMIO2 IM	2 NaturalKiller_Cell_Cytotoxicity
SYK	6850	spleen asscp72-Syk	9 NaturalKiller_Cell_Cytotoxicity
LCP2	3937	lymphocyteSLP-76 SLF	5 NaturalKiller_Cell_Cytotoxicity
LAT	27040	linker for a IMD52 LAT	16 NaturalKiller_Cell_Cytotoxicity
PLCG1	5335	phospholipNCKAP3 PI	20 NaturalKiller_Cell_Cytotoxicity
PLCG2	5336	phospholipAPLAID FC	16 NaturalKiller_Cell_Cytotoxicity
SH3BP2	6452	SH3 domain3BP-2 3BP	4 NaturalKiller_Cell_Cytotoxicity
PIK3CA	5290	phosphaticCLAPO CLC	3 NaturalKiller_Cell_Cytotoxicity
PIK3CB	5291	phosphaticP110BETA	3 NaturalKiller_Cell_Cytotoxicity
PIK3CD	5293	phosphaticAPDS IMD	1 NaturalKiller_Cell_Cytotoxicity
PIK3CG	5294	phosphaticPI3CG PI3K	7 NaturalKiller_Cell_Cytotoxicity
PIK3R5	23533	phosphoin F730038 1	17 NaturalKiller_Cell_Cytotoxicity
PIK3R1	5295	phosphoin AGM7 GRE	5 NaturalKiller_Cell_Cytotoxicity
PIK3R2	5296	phosphoin MPPH MPH	19 NaturalKiller_Cell_Cytotoxicity
PIK3R3	8503	phosphoin p55 p55-G	1 NaturalKiller_Cell_Cytotoxicity
FYN	2534	FYN proto-SLK SYN p	6 NaturalKiller_Cell_Cytotoxicity
SHC2	25759	SHC adapt SCK SHCB	19 NaturalKiller_Cell_Cytotoxicity
SHC4	399694	SHC adapt RaLP SHCE	15 NaturalKiller_Cell_Cytotoxicity
SHC3	53358	SHC adapt N-Shc NSH	9 NaturalKiller_Cell_Cytotoxicity
SHC1	6464	SHC adapt SHC SHCA	1 NaturalKiller_Cell_Cytotoxicity
GRB2	2885	growth facASH EGFR	17 NaturalKiller_Cell_Cytotoxicity
SOS1	6654	SOS Ras/R.GF1 GGF1	2 NaturalKiller_Cell_Cytotoxicity
SOS2	6655	SOS Ras/RINS9 SOS-2	14 NaturalKiller_Cell_Cytotoxicity
HRAS	3265	HRas protcC-BAS/HA	11 NaturalKiller_Cell_Cytotoxicity
KRAS	3845	KRAS protcC-K-RAS C	12 NaturalKiller_Cell_Cytotoxicity
NRAS	4893	NRAS prot ALPS4 CMI	1 NaturalKiller_Cell_Cytotoxicity
ARAF	369	A-Raf prot A-RAF AR/X	NaturalKiller_Cell_Cytotoxicity
BRAF	673	B-Raf prot B-RAF1 B-	7 NaturalKiller_Cell_Cytotoxicity
RAF1	5894	Raf-1 prot CMD1NN C	3 NaturalKiller_Cell_Cytotoxicity
MICA	1.01E+08	MHC class MIC-A PER	6 NaturalKiller_Cell_Cytotoxicity
MICB	4277	MHC class PERB11.2	6 NaturalKiller_Cell_Cytotoxicity
ULBP3	79465	UL16 bindi N2DL-3 NI	6 NaturalKiller_Cell_Cytotoxicity
ULBP2	80328	UL16 bindi ALCAN-al	6 NaturalKiller_Cell_Cytotoxicity
ULBP1	80329	UL16 bindi N2DL-1 NI	6 NaturalKiller_Cell_Cytotoxicity
KLRK1	22914	killer cell leCD314 D12	12 NaturalKiller_Cell_Cytotoxicity
HCST	10870	hematopoiDAP10 KA	19 NaturalKiller_Cell_Cytotoxicity
CD48	962	CD48 mole BCM1 BLA	1 NaturalKiller_Cell_Cytotoxicity
CD244	51744	CD244 mo 2B4 NAIL N	1 NaturalKiller_Cell_Cytotoxicity
PPP3CA	5530	protein ph ACCIID CA	4 NaturalKiller_Cell_Cytotoxicity
PPP3CB	5532	protein ph CALNA2 C	10 NaturalKiller_Cell_Cytotoxicity
PPP3CC	5533	protein ph CALNA3 C	8 NaturalKiller_Cell_Cytotoxicity
CHP1	11261	calcineurin CHP SLC9	15 NaturalKiller_Cell_Cytotoxicity
PPP3R1	5534	protein ph CALNB1 CI	2 NaturalKiller_Cell_Cytotoxicity
PPP3R2	5535	protein ph PPP3RL	9 NaturalKiller_Cell_Cytotoxicity
CHP2	63928	calcineurin -	16 NaturalKiller_Cell_Cytotoxicity
NFAT5	10725	nuclear facNF-AT5 NF	16 NaturalKiller_Cell_Cytotoxicity
NFATC1	4772	nuclear facNF-ATC NI	18 NaturalKiller_Cell_Cytotoxicity
NFATC2	4773	nuclear facNFAT1 NF	20 NaturalKiller_Cell_Cytotoxicity
NFATC3	4775	nuclear facNF-AT4c N	16 NaturalKiller_Cell_Cytotoxicity
NFATC4	4776	nuclear facNF-AT3 NF	14 NaturalKiller_Cell_Cytotoxicity
PRKCA	5578	protein kinAAG6 PKC	17 NaturalKiller_Cell_Cytotoxicity
PRKCB	5579	protein kinPKC-beta P	16 NaturalKiller_Cell_Cytotoxicity
PRKCG	5582	protein kinPKC-gamn	19 NaturalKiller_Cell_Cytotoxicity
SH2D1B	117157	SH2 domainEAT2	1 NaturalKiller_Cell_Cytotoxicity
SH2D1A	4068	SH2 domainDSHP EBV/X	NaturalKiller_Cell_Cytotoxicity

IFNGR1	3459 interferon (CD119 IFN	6 NaturalKiller_Cell_Cytotoxicity
IFNGR2	3460 interferon (AF-1 IFGR	21 NaturalKiller_Cell_Cytotoxicity
IFNA1	3439 interferon (IFL IFN IFN	9 NaturalKiller_Cell_Cytotoxicity
IFNA2	3440 interferon (IFN-alpha-	9 NaturalKiller_Cell_Cytotoxicity
IFNA4	3441 interferon (IFN-alpha-	9 NaturalKiller_Cell_Cytotoxicity
IFNA5	3442 interferon (IFN-alpha-	9 NaturalKiller_Cell_Cytotoxicity
IFNA6	3443 interferon (IFN-alpha-	9 NaturalKiller_Cell_Cytotoxicity
IFNA7	3444 interferon (IFN-alpha-	9 NaturalKiller_Cell_Cytotoxicity
IFNA8	3445 interferon (IFN-alpha-	9 NaturalKiller_Cell_Cytotoxicity
IFNA10	3446 interferon (IFN-alpha-	9 NaturalKiller_Cell_Cytotoxicity
IFNA13	3447 interferon (-	9 NaturalKiller_Cell_Cytotoxicity
IFNA14	3448 interferon (IFN-alpha-	9 NaturalKiller_Cell_Cytotoxicity
IFNA16	3449 interferon (IFN-alpha-	9 NaturalKiller_Cell_Cytotoxicity
IFNA17	3451 interferon (IFN-alpha-	9 NaturalKiller_Cell_Cytotoxicity
IFNA21	3452 interferon (IFN-alpha-	9 NaturalKiller_Cell_Cytotoxicity
IFNB1	3456 interferon (IFB IFF IFN-	9 NaturalKiller_Cell_Cytotoxicity
IFNAR1	3454 interferon (AVP IFN-a	21 NaturalKiller_Cell_Cytotoxicity
IFNAR2	3455 interferon (IFN-R IFN-	21 NaturalKiller_Cell_Cytotoxicity
TNFSF10	8743 TNF super(APO2L Apo	3 NaturalKiller_Cell_Cytotoxicity
TNFRSF10I	8793 TNF recept(CD264 DCI	8 NaturalKiller_Cell_Cytotoxicity
TNFRSF10C	8794 TNF recept(CD263 DCI	8 NaturalKiller_Cell_Cytotoxicity
TNFRSF10F	8795 TNF recept(CD262 DR	8 NaturalKiller_Cell_Cytotoxicity
TNFRSF10J	8797 TNF recept(APO2 CD2	8 NaturalKiller_Cell_Cytotoxicity
FASLG	356 Fas ligand (ALPS1B AP	1 NaturalKiller_Cell_Cytotoxicity
FAS	355 Fas cell sur(ALPS1A AF	10 NaturalKiller_Cell_Cytotoxicity
GZMB	3002 granzyme C11 CCPI C	14 NaturalKiller_Cell_Cytotoxicity
PRF1	5551 perforin 1 (HPLH2 P1	10 NaturalKiller_Cell_Cytotoxicity
CASP3	836 caspase 3 (CPP32 CPF	4 NaturalKiller_Cell_Cytotoxicity
BID	637 BH3 intera(FP497	22 NaturalKiller_Cell_Cytotoxicity
CD3D	915 CD3d molec(CD3-DELT	11 TCRsignalingPathway
CD3E	916 CD3e molec(IMD18 T3E	11 TCRsignalingPathway
CD3G	917 CD3g molec(CD3-GAM	11 TCRsignalingPathway
CD247	919 CD247 mo(CD3-ZETA	1 TCRsignalingPathway
CD4	920 CD4 molec(CD4mut	12 TCRsignalingPathway
CD8A	925 CD8a molec(CD8 Leu2	2 TCRsignalingPathway
CD8B	926 CD8b molec(CD8B1 LEL	2 TCRsignalingPathway
PTPRC	5788 protein tyr(B220 CD45	1 TCRsignalingPathway
LCK	3932 LCK proto-IMD22 LSK	1 TCRsignalingPathway
FYN	2534 FYN proto-SLK SYN p	6 TCRsignalingPathway
ZAP70	7535 zeta chain (ADMIO2 IM	2 TCRsignalingPathway
LCP2	3937 lymphocy(SLP-76 SLF	5 TCRsignalingPathway
LAT	27040 linker for a IMD52 LAT	16 TCRsignalingPathway
ITK	3702 IL2 inducib(EMT LPFS1	5 TCRsignalingPathway
TEC	7006 tec protein(PSCTK4	4 TCRsignalingPathway
NCK1	4690 NCK adapt(NCK NCKa	3 TCRsignalingPathway
NCK2	8440 NCK adapt(GRB4 NCK	2 TCRsignalingPathway
VAV3	10451 vav guanin -	1 TCRsignalingPathway
VAV1	7409 vav guanin(VAV	19 TCRsignalingPathway
VAV2	7410 vav guanin(VAV-2	9 TCRsignalingPathway
GRAP2	9402 GRB2 relat(GADS GRA	22 TCRsignalingPathway
GRB2	2885 growth fac(ASH EGFRE	17 TCRsignalingPathway
PAK1	5058 p21 (RAC1 DDMSSD I	11 TCRsignalingPathway
PAK2	5062 p21 (RAC1 PAK65 PA	3 TCRsignalingPathway
PAK3	5063 p21 (RAC1 ARA MRX3X	TCRsignalingPathway
PAK4	10298 p21 (RAC1 -	19 TCRsignalingPathway
PAK6	56924 p21 (RAC1 PAK5	15 TCRsignalingPathway
PAK5	57144 p21 (RAC1 PAK7	20 TCRsignalingPathway
RHOA	387 ras homolc(ARH12 ARI	3 TCRsignalingPathway

CDC42	998 cell division CDC42Hs C	1 TCRsignalingPathway
PPP3CA	5530 protein phACCIID CA	4 TCRsignalingPathway
PPP3CB	5532 protein phCALNA2 C	10 TCRsignalingPathway
PPP3CC	5533 protein phCALNA3 C	8 TCRsignalingPathway
CHP1	11261 calcineurin CHP SLC9A	15 TCRsignalingPathway
PPP3R1	5534 protein phCALNB1 CI	2 TCRsignalingPathway
PPP3R2	5535 protein phPPP3RL	9 TCRsignalingPathway
CHP2	63928 calcineurin -	16 TCRsignalingPathway
NFAT5	10725 nuclear facNF-AT5 NF	16 TCRsignalingPathway
NFATC1	4772 nuclear facNF-ATC NI	18 TCRsignalingPathway
NFATC2	4773 nuclear facNFAT1 NF	20 TCRsignalingPathway
NFATC3	4775 nuclear facNF-AT4c N	16 TCRsignalingPathway
NFATC4	4776 nuclear facNF-AT3 NF	14 TCRsignalingPathway
SOS1	6654 SOS Ras/R.GF1 GGF1	2 TCRsignalingPathway
SOS2	6655 SOS Ras/RINS9 SOS-2	14 TCRsignalingPathway
HRAS	3265 HRas protcC-BAS/HA	11 TCRsignalingPathway
KRAS	3845 KRAS protcC-K-RAS C	12 TCRsignalingPathway
NRAS	4893 NRAS protALPS4 CMI	1 TCRsignalingPathway
FOS	2353 Fos proto- AP-1 C-FC	14 TCRsignalingPathway
JUN	3725 Jun proto- AP-1 AP1 C	1 TCRsignalingPathway
CARD11	84433 caspase reBENTA BIN	7 TCRsignalingPathway
BCL10	8915 BCL10 immrCARMEN C	1 TCRsignalingPathway
MALT1	10892 MALT1 parIMD12 ML	18 TCRsignalingPathway
CHUK	1147 componenIKBA IKK-	10 TCRsignalingPathway
IKBKB	3551 inhibitor ofIKK-beta Ik	8 TCRsignalingPathway
IKBKG	8517 inhibitor ofAMCBX1 EX	TCRsignalingPathway
NFKB1	4790 nuclear facCVID12 EB	4 TCRsignalingPathway
RELA	5970 RELA protcCMCU NFk	11 TCRsignalingPathway
NFKBIA	4792 NFKB inhibEDAID2 IKK	14 TCRsignalingPathway
NFKBIB	4793 NFKB inhibIKBB TRIP9	19 TCRsignalingPathway
NFKBIE	4794 NFKB inhibIKBE	6 TCRsignalingPathway
CD28	940 CD28 moleTp44	2 TCRsignalingPathway
ICOS	29851 inducible TAILIM CD2	2 TCRsignalingPathway
CD40LG	959 CD40 ligandCD154 CD4X	TCRsignalingPathway
PIK3R5	23533 phosphoinF7300381	17 TCRsignalingPathway
PIK3R1	5295 phosphoinAGM7 GRE	5 TCRsignalingPathway
PIK3R2	5296 phosphoinMPPH MPF	19 TCRsignalingPathway
PIK3R3	8503 phosphoinp55 p55-G	1 TCRsignalingPathway
PIK3CA	5290 phosphaticCLAPO CLC	3 TCRsignalingPathway
PIK3CB	5291 phosphaticP110BETA	3 TCRsignalingPathway
PIK3CD	5293 phosphaticAPDS IMD	1 TCRsignalingPathway
PIK3CG	5294 phosphaticPI3CG PI3k	7 TCRsignalingPathway
AKT3	10000 AKT serine.MPPH MPF	1 TCRsignalingPathway
AKT1	207 AKT serine.AKT CWS6	14 TCRsignalingPathway
AKT2	208 AKT serine.HIHGHH P	19 TCRsignalingPathway
MAP3K8	1326 mitogen-aAURA2 CO	10 TCRsignalingPathway
MAP3K14	9020 mitogen-aFTDCR1B F	17 TCRsignalingPathway
PDCD1	5133 programmCD279 PD-	2 TCRsignalingPathway
CTLA4	1493 cytotoxic TALPS5 CD	2 TCRsignalingPathway
PTPN6	5777 protein tyr.HCP HCPH	12 TCRsignalingPathway
CBL	23624 Cbl proto- CBL-3 CBL	19 TCRsignalingPathway
CBL	867 Cbl proto- C-CBL CBL	11 TCRsignalingPathway
CBLB	868 Cbl proto- Cbl-b Nbl	3 TCRsignalingPathway
IL2	3558 interleukin IL-2 TCGF	4 TCRsignalingPathway
IL4	3565 interleukin BCGF-1 BC	5 TCRsignalingPathway
IL5	3567 interleukin EDF IL-5 TI	5 TCRsignalingPathway
IL10	3586 interleukin CSIF GVHC	1 TCRsignalingPathway
IFNG	3458 interferon IFG IFI	12 TCRsignalingPathway

CSF2	1437 colony stimCSF GMCS	5 TCRsignalingPathway
TNF	7124 tumor necrDIF TNF-al	6 TCRsignalingPathway
CDK4	1019 cyclin depεCMM3 PSk	12 TCRsignalingPathway
RASGRP1	10125 RAS guanyCALDAG-(15 TCRsignalingPathway
PDK1	5163 pyruvate d -	2 TCRsignalingPathway
PLCG1	5335 phospholipNCKAP3 PI	20 TCRsignalingPathway
PRKCQ	5588 protein kinPRKCT nPk	10 TCRsignalingPathway
TRAC	28755 T cell recepIMD7 TCR/	14 TCRsignalingPathway
TRAJ1	28754 T cell recep -	14 TCRsignalingPathway
TRAJ2	28753 T cell recep -	14 TCRsignalingPathway
TRAJ3	28752 T cell recep -	14 TCRsignalingPathway
TRAJ4	28751 T cell recep -	14 TCRsignalingPathway
TRAJ5	28750 T cell recep -	14 TCRsignalingPathway
TRAJ6	28749 T cell recep -	14 TCRsignalingPathway
TRAJ7	28748 T cell recep -	14 TCRsignalingPathway
TRAJ8	28747 T cell recep -	14 TCRsignalingPathway
TRAJ9	28746 T cell recep -	14 TCRsignalingPathway
TRAJ10	28745 T cell recep -	14 TCRsignalingPathway
TRAJ11	28744 T cell recep -	14 TCRsignalingPathway
TRAJ12	28743 T cell recep -	14 TCRsignalingPathway
TRAJ13	28742 T cell recep -	14 TCRsignalingPathway
TRAJ14	28741 T cell recep -	14 TCRsignalingPathway
TRAJ15	28740 T cell recep -	14 TCRsignalingPathway
TRAJ16	28739 T cell recep -	14 TCRsignalingPathway
TRAJ17	28738 T cell recep -	14 TCRsignalingPathway
TRAJ18	28737 T cell recep -	14 TCRsignalingPathway
TRAJ19	28736 T cell recep -	14 TCRsignalingPathway
TRAJ20	28735 T cell recep -	14 TCRsignalingPathway
TRAJ21	28734 T cell recep -	14 TCRsignalingPathway
TRAJ22	28733 T cell recep -	14 TCRsignalingPathway
TRAJ23	28732 T cell recep -	14 TCRsignalingPathway
TRAJ24	28731 T cell recep -	14 TCRsignalingPathway
TRAJ25	28730 T cell recep -	14 TCRsignalingPathway
TRAJ26	28729 T cell recep -	14 TCRsignalingPathway
TRAJ27	28728 T cell recep -	14 TCRsignalingPathway
TRAJ28	28727 T cell recep -	14 TCRsignalingPathway
TRAJ29	28726 T cell recep -	14 TCRsignalingPathway
TRAJ30	28725 T cell recep -	14 TCRsignalingPathway
TRAJ31	28724 T cell recep -	14 TCRsignalingPathway
TRAJ32	28723 T cell recep -	14 TCRsignalingPathway
TRAJ33	28722 T cell recep -	14 TCRsignalingPathway
TRAJ34	28721 T cell recep -	14 TCRsignalingPathway
TRAJ35	28720 T cell recep -	14 TCRsignalingPathway
TRAJ36	28719 T cell recep -	14 TCRsignalingPathway
TRAJ37	28718 T cell recep -	14 TCRsignalingPathway
TRAJ38	28717 T cell recep -	14 TCRsignalingPathway
TRAJ39	28716 T cell recep -	14 TCRsignalingPathway
TRAJ40	28715 T cell recep -	14 TCRsignalingPathway
TRAJ41	28714 T cell recep -	14 TCRsignalingPathway
TRAJ42	28713 T cell recep -	14 TCRsignalingPathway
TRAJ43	28712 T cell recep -	14 TCRsignalingPathway
TRAJ44	28711 T cell recep -	14 TCRsignalingPathway
TRAJ45	28710 T cell recep -	14 TCRsignalingPathway
TRAJ46	28709 T cell recep -	14 TCRsignalingPathway
TRAJ47	28708 T cell recep -	14 TCRsignalingPathway
TRAJ48	28707 T cell recep -	14 TCRsignalingPathway
TRAJ49	28706 T cell recep -	14 TCRsignalingPathway
TRAJ50	28705 T cell recep -	14 TCRsignalingPathway

TRAJ52	28703 T cell recep	14 TCRsignalingPathway
TRAJ53	28702 T cell recep	14 TCRsignalingPathway
TRAJ54	28701 T cell recep	14 TCRsignalingPathway
TRAJ56	28699 T cell recep	14 TCRsignalingPathway
TRAJ57	28698 T cell recep	14 TCRsignalingPathway
TRAJ58	28697 T cell recep	14 TCRsignalingPathway
TRAJ59	28696 T cell recep	14 TCRsignalingPathway
TRAJ61	28694 T cell recep	14 TCRsignalingPathway
TRAV1-1	28693 T cell recepTCRAV1S1	14 TCRsignalingPathway
TRAV1-2	28692 T cell recepTCRAV1S2	14 TCRsignalingPathway
TRAV2	28691 T cell recepTCRAV11S	14 TCRsignalingPathway
TRAV3	28690 T cell recepTCRAV16S	14 TCRsignalingPathway
TRAV4	28689 T cell recepTCRAV20S	14 TCRsignalingPathway
TRAV5	28688 T cell recepTCRAV15S	14 TCRsignalingPathway
TRAV7	28686 T cell recepTCRAV7S1	14 TCRsignalingPathway
TRAV8-1	28685 T cell recepTCRAV1S1	14 TCRsignalingPathway
TRAV8-2	28684 T cell recepTCRAV1S5	14 TCRsignalingPathway
TRAV8-3	28683 T cell recepTCRAV1S4	14 TCRsignalingPathway
TRAV8-4	28682 T cell recepTCRAV1S2	14 TCRsignalingPathway
TRAV8-6	28680 T cell recepTCRAV1S3	14 TCRsignalingPathway
TRAV8-7	28679 T cell recepTCRAV8S7	14 TCRsignalingPathway
TRAV9-1	28678 T cell recepTCRAV9S1	14 TCRsignalingPathway
TRAV9-2	28677 T cell recepTCRAV22S	14 TCRsignalingPathway
TRAV10	28676 T cell recepTCRAV10S	14 TCRsignalingPathway
TRAV12-1	28674 T cell recepTCRAV12S	14 TCRsignalingPathway
TRAV12-2	28673 T cell recepTCRAV12S	14 TCRsignalingPathway
TRAV12-3	28672 T cell recepTCRAV12S	14 TCRsignalingPathway
TRAV13-1	28671 T cell recepTCRAV13S	14 TCRsignalingPathway
TRAV13-2	28670 T cell recepTCRAV13S	14 TCRsignalingPathway
TRAV14DV	28669 T cell recepTCRAV6S1	14 TCRsignalingPathway
TRAV16	28667 T cell recepTCRAV16S	14 TCRsignalingPathway
TRAV17	28666 T cell recepTCRAV17S	14 TCRsignalingPathway
TRAV18	28665 T cell recepTCRAV18S	14 TCRsignalingPathway
TRAV19	28664 T cell recepTCRAV12S	14 TCRsignalingPathway
TRAV20	28663 T cell recepTCRAV20S	14 TCRsignalingPathway
TRAV21	28662 T cell recepTCRAV21S	14 TCRsignalingPathway
TRAV22	28661 T cell recepTCRAV13S	14 TCRsignalingPathway
TRAV23DV	28660 T cell recepTCRAV17S	14 TCRsignalingPathway
TRAV24	28659 T cell recepTCRAV18S	14 TCRsignalingPathway
TRAV25	28658 T cell recepTCRAV25S	14 TCRsignalingPathway
TRAV26-1	28657 T cell recepTCRAV26S	14 TCRsignalingPathway
TRAV26-2	28656 T cell recepTCRAV26S	14 TCRsignalingPathway
TRAV27	28655 T cell recepTCRAV10S	14 TCRsignalingPathway
TRAV29DV	28653 T cell recepTCRAVTCR/	14 TCRsignalingPathway
TRAV30	28652 T cell recepTCRAV29S	14 TCRsignalingPathway
TRAV34	28648 T cell recepTCRAV26S	14 TCRsignalingPathway
TRAV35	28647 T cell recepTCRAV25S	14 TCRsignalingPathway
TRAV36DV	28646 T cell recepTCRAV28S	14 TCRsignalingPathway
TRAV38-1	28644 T cell recepTCRAV14S	14 TCRsignalingPathway
TRAV38-2I	28643 T cell recepTCRAV14S	14 TCRsignalingPathway
TRAV39	28642 T cell recepTCRAV27S	14 TCRsignalingPathway
TRAV40	28641 T cell recepTCRAV31S	14 TCRsignalingPathway
TRAV41	28640 T cell recepTCRAV19S	14 TCRsignalingPathway
TRBC1	28639 T cell recepBV05S1J2.2	7 TCRsignalingPathway
TRBC2	28638 T cell recepTCRBC2	7 TCRsignalingPathway
TRBD1	28637 T cell recepTCRBD1	7 TCRsignalingPathway
TRBD2	28636 T cell recepTCRBD2	7 TCRsignalingPathway
TRBJ1-1	28635 T cell recepTCRBJ1S1I	7 TCRsignalingPathway

TRBJ1-2	28634 T cell rece	TCRBJ1S2]	7 TCRsignalingPathway
TRBJ1-3	28633 T cell rece	TCRBJ1S3]	7 TCRsignalingPathway
TRBJ1-4	28632 T cell rece	TCRBJ1S4]	7 TCRsignalingPathway
TRBJ1-5	28631 T cell rece	TCRBJ1S5]	7 TCRsignalingPathway
TRBJ1-6	28630 T cell rece	TCRBJ1S6]	7 TCRsignalingPathway
TRBJ2-1	28629 T cell rece	TCRBJ2S1]	7 TCRsignalingPathway
TRBJ2-2	28628 T cell rece	TCRBJ2S2]	7 TCRsignalingPathway
TRBJ2-3	28626 T cell rece	TCRBJ2S3]	7 TCRsignalingPathway
TRBJ2-4	28625 T cell rece	TCRBJ2S4]	7 TCRsignalingPathway
TRBJ2-5	28624 T cell rece	TCRBJ2S5]	7 TCRsignalingPathway
TRBJ2-6	28623 T cell rece	TCRBJ2S6]	7 TCRsignalingPathway
TRBJ2-7	28622 T cell rece	TCRBJ2S7]	7 TCRsignalingPathway
TRBV2	28620 T cell rece	TCRBV2S:	7 TCRsignalingPathway
TRBV3-1	28619 T cell rece	TCRBV3S1]	7 TCRsignalingPathway
TRBV4-1	28617 T cell rece	BV07S1J2.7	7 TCRsignalingPathway
TRBV4-2	28616 T cell rece	TCRBV4S2]	7 TCRsignalingPathway
TRBV4-3	28615 T cell rece	TCRBV4S3]	7 TCRsignalingPathway
TRBV5-1	28614 T cell rece	TCRBV5S1]	7 TCRsignalingPathway
TRBV5-4	28611 T cell rece	TCRBV5S4]	7 TCRsignalingPathway
TRBV5-5	28610 T cell rece	TCRBV5S3,	7 TCRsignalingPathway
TRBV5-6	28609 T cell rece	TCRBV5S2]	7 TCRsignalingPathway
TRBV5-7	28608 T cell rece	TCRBV5S7]	7 TCRsignalingPathway
TRBV5-8	28607 T cell rece	TCRBV5S4,	7 TCRsignalingPathway
TRBV6-1	28606 T cell rece	TCRBV13S:	7 TCRsignalingPathway
TRBV6-2	28605 T cell rece	TCRBV13S:	7 TCRsignalingPathway
TRBV6-3	28604 T cell rece	TCRBV13S:	7 TCRsignalingPathway
TRBV6-4	28603 T cell rece	TCRBV13S:	7 TCRsignalingPathway
TRBV6-5	28602 T cell rece	TCRBV13S:	7 TCRsignalingPathway
TRBV6-6	28601 T cell rece	TCRBV13S:	7 TCRsignalingPathway
TRBV6-7	28600 T cell rece	TCRBV13S:	7 TCRsignalingPathway
TRBV6-8	28599 T cell rece	TCRBV13S:	7 TCRsignalingPathway
TRBV6-9	28598 T cell rece	TCRBV13S:	7 TCRsignalingPathway
TRBV7-2	28596 T cell rece	TCRBV6S5,	7 TCRsignalingPathway
TRBV7-3	28595 T cell rece	TCRBV6S1,	7 TCRsignalingPathway
TRBV7-4	28594 T cell rece	TCRBV6S8,	7 TCRsignalingPathway
TRBV7-6	28592 T cell rece	TCRBV6S3,	7 TCRsignalingPathway
TRBV7-7	28591 T cell rece	TCRBV6S6,	7 TCRsignalingPathway
TRBV7-8	28590 T cell rece	TCRBV6S2,	7 TCRsignalingPathway
TRBV7-9	28589 T cell rece	TCRB TCRE	7 TCRsignalingPathway
TRBV9	28586 T cell rece	TCRBV1S1,	7 TCRsignalingPathway
TRBV10-1	28585 T cell rece	TCRBV10S:	7 TCRsignalingPathway
TRBV10-2	28584 T cell rece	TCRBV10S:	7 TCRsignalingPathway
TRBV10-3	28583 T cell rece	TCRBV10S:	7 TCRsignalingPathway
TRBV11-1	28582 T cell rece	TCRBV11S:	7 TCRsignalingPathway
TRBV11-2	28581 T cell rece	TCRBV11S:	7 TCRsignalingPathway
TRBV11-3	28580 T cell rece	TCRBV11S:	7 TCRsignalingPathway
TRBV12-3	28577 T cell rece	TCRBV12S:	7 TCRsignalingPathway
TRBV12-4	28576 T cell rece	TCRBV12S:	7 TCRsignalingPathway
TRBV12-5	28575 T cell rece	TCRBV12S:	7 TCRsignalingPathway
TRBV13	28574 T cell rece	TCRBV13S:	7 TCRsignalingPathway
TRBV14	28573 T cell rece	TCRBV14S:	7 TCRsignalingPathway
TRBV15	28572 T cell rece	TCRBV15S:	7 TCRsignalingPathway
TRBV16	28571 T cell rece	BV25S1J1.2	7 TCRsignalingPathway
TRBV17	28570 T cell rece	TCRBV17S:	7 TCRsignalingPathway
TRBV18	28569 T cell rece	TCRBV18S:	7 TCRsignalingPathway
TRBV19	28568 T cell rece	TCRBV17S:	7 TCRsignalingPathway
TRBV20-1	28567 T cell rece	TCRBV20S:	7 TCRsignalingPathway
TRBV24-1	28563 T cell rece	TCRBV15S:	7 TCRsignalingPathway

TRBV25-1	28562 T cell receptorTCRBV11S:	7 TCRsignalingPathway
TRBV27	28560 T cell receptorTCRBV14S:	7 TCRsignalingPathway
TRBV28	28559 T cell receptorTCRBV28S:	7 TCRsignalingPathway
TRBV29-1	28558 T cell receptorTCRBV29S:	7 TCRsignalingPathway
TRBV30	28557 T cell receptorTCRBV20S:	7 TCRsignalingPathway
TRDC	28526 T cell receptorTCRD	14 TCRsignalingPathway
TRDD1	28525 T cell receptor-	14 TCRsignalingPathway
TRDD2	28524 T cell receptor-	14 TCRsignalingPathway
TRDD3	28523 T cell receptorTCRD	14 TCRsignalingPathway
TRDJ1	28522 T cell receptorTCRD	14 TCRsignalingPathway
TRDJ2	28521 T cell receptor-	14 TCRsignalingPathway
TRDJ3	28520 T cell receptor-	14 TCRsignalingPathway
TRDJ4	28519 T cell receptor-	14 TCRsignalingPathway
TRDV1	28518 T cell receptorhDV101S1	14 TCRsignalingPathway
TRDV2	28517 T cell receptorhDV102S1	14 TCRsignalingPathway
TRDV3	28516 T cell receptorhDV103S1	14 TCRsignalingPathway
TRGV9	6983 T cell receptorTCRGV9 TF	7 TCRsignalingPathway
TRGV8	6982 T cell receptorTCRGV8 V:	7 TCRsignalingPathway
TRGV5	6978 T cell receptorTCRGV5 V:	7 TCRsignalingPathway
TRGV4	6977 T cell receptorTCRGV4 V:	7 TCRsignalingPathway
TRGV3	6976 T cell receptorTCRGV3 V:	7 TCRsignalingPathway
TRGV2	6974 T cell receptorTCRGV2 V:	7 TCRsignalingPathway
TRGJP2	6972 T cell receptorJP2 TCRGJ	7 TCRsignalingPathway
TRGJP1	6971 T cell receptorJP1 TCRGJ	7 TCRsignalingPathway
TRGJP	6970 T cell receptorJP TCRGJP	7 TCRsignalingPathway
TRGJ2	6969 T cell receptorJ2 TCRGJ2	7 TCRsignalingPathway
TRGJ1	6968 T cell receptorJ1 TCRGJ1	7 TCRsignalingPathway
TRGC2	6967 T cell receptorTCRGC2 TF	7 TCRsignalingPathway
TRGC1	6966 T cell receptorC1 TCRG T	7 TCRsignalingPathway
TRAV6	6956 T cell receptorTCRAV5S1	14 TCRsignalingPathway
BMP1	649 bone morphogenetic protein13 PCOL	8 TGFb_Family_Member
BMP10	27302 bone morphogenetic protein-	2 TGFb_Family_Member
BMP15	9210 bone morphogenetic proteinGDF9B ODX	TGFb_Family_Member
BMP2	650 bone morphogenetic proteinBDA2 BMP	20 TGFb_Family_Member
BMP3	651 bone morphogenetic proteinBMP-3A	4 TGFb_Family_Member
BMP4	652 bone morphogenetic proteinBMP2B BM	14 TGFb_Family_Member
BMP5	653 bone morphogenetic protein-	6 TGFb_Family_Member
BMP6	654 bone morphogenetic proteinVGR VGR1	6 TGFb_Family_Member
BMP7	655 bone morphogenetic proteinOP-1	20 TGFb_Family_Member
BMP8A	353500 bone morphogenetic proteinOP-2	1 TGFb_Family_Member
BMP8B	656 bone morphogenetic proteinBMP8 OP2	1 TGFb_Family_Member
GDF1	2657 growth differentiation factorCERS1 CH1	19 TGFb_Family_Member
GDF10	2662 growth differentiation factorBIP BMP-3	10 TGFb_Family_Member
GDF11	10220 growth differentiation factorBMP-11 BM	12 TGFb_Family_Member
GDF15	9518 growth differentiation factorGDF-15 M	19 TGFb_Family_Member
GDF2	2658 growth differentiation factorBMP-9 BM	10 TGFb_Family_Member
GDF3	9573 growth differentiation factorKFS3 MCO	12 TGFb_Family_Member
GDF5	8200 growth differentiation factorBDA1C BM	20 TGFb_Family_Member
GDF6	392255 growth differentiation factorBMP-13 BM	8 TGFb_Family_Member
GDF7	151449 growth differentiation factorBMP12	2 TGFb_Family_Member
GDF9	2661 growth differentiation factorPOF14	5 TGFb_Family_Member
GNDF	2668 glial cell derived neurotrophic factorATF ATF1 /	5 TGFb_Family_Member
INHA	3623 inhibin subunit-	2 TGFb_Family_Member
INHBA	3624 inhibin subunitEDF FRP	7 TGFb_Family_Member
INHBB	3625 inhibin subunit-	2 TGFb_Family_Member
INHBC	3626 inhibin subunitIHBC	12 TGFb_Family_Member
INHBE	83729 inhibin subunit-	12 TGFb_Family_Member
LEFTY1	10637 left-right development factorLEFTB LEFT	1 TGFb_Family_Member

LEFTY2	7044 left-right dEBAF LEFT/	1 TGFb_Family_Member
NODAL	4838 nodal grovHTX5	10 TGFb_Family_Member
TGFB1	7040 transformirCED DPD1	19 TGFb_Family_Member
TGFB2	7042 transformirG-TSF LDS	1 TGFb_Family_Member
TGFB3	7043 transformirARVD ARV	14 TGFb_Family_Member
ACVR1B	91 activin A reACTRIB AC	12 TGFb_Family_Member_Receptor
ACVR1C	130399 activin A reACVRLK7 /	2 TGFb_Family_Member_Receptor
ACVR2A	92 activin A reACTRII AC	2 TGFb_Family_Member_Receptor
ACVR2B	93 activin A reACTRIIB Ac	3 TGFb_Family_Member_Receptor
ACVRL1	94 activin A reACVRLK1 /	12 TGFb_Family_Member_Receptor
AMHR2	269 anti-MulleiAMHR MIS	12 TGFb_Family_Member_Receptor
BMPR1A	657 bone morç10q23del /	10 TGFb_Family_Member_Receptor
BMPR1B	658 bone morçALK-6 ALK	4 TGFb_Family_Member_Receptor
BMPR2	659 bone morçBMPR-II BI	2 TGFb_Family_Member_Receptor
TGFR1	7046 transformirAAT5 ACVI	9 TGFb_Family_Member_Receptor
TGFR2	7048 transformirAAT3 FAA3	3 TGFb_Family_Member_Receptor
TGFR3	7049 transformirBGCAN be	1 TGFb_Family_Member_Receptor
TNFRSF11f	4982 TNF receptOCIF OPG	8 TNF_Family_Members
TNFRSF10	8743 TNF super APO2L Apo	3 TNF_Family_Members
TNFRSF11	8600 TNF super CD254 OD	13 TNF_Family_Members
TNFRSF12	8742 TNF super APO3L DR3	17 TNF_Family_Members
TNFRSF13	8741 TNF super APRIL CD2	17 TNF_Family_Members
TNFRSF13B	10673 TNF super BAFF BLYS	13 TNF_Family_Members
TNFRSF14	8740 TNF super CD258 HVI	19 TNF_Family_Members
TNFRSF15	9966 TNF super TL1 TL1A T	9 TNF_Family_Members
TNFRSF18	8995 TNF super AITRL GITR	1 TNF_Family_Members
TNFRSF4	7292 TNF super CD134L CE	1 TNF_Family_Members
TNFRSF8	944 TNF super CD153 CD3	9 TNF_Family_Members
TNFRSF9	8744 TNF super 4-1BB-L C	19 TNF_Family_Members
TNFRSF10f	8795 TNF receptCD262 DR5	8 TNF_Family_Members_Receptors
TNFRSF10c	8794 TNF receptCD263 DCI	8 TNF_Family_Members_Receptors
TNFRSF10i	8793 TNF receptCD264 DCI	8 TNF_Family_Members_Receptors
TNFRSF11/	8792 TNF receptCD265 FEC	18 TNF_Family_Members_Receptors
TNFRSF12/	51330 TNF receptCD266 FN1	16 TNF_Family_Members_Receptors
TNFRSF13f	23495 TNF receptCD267 CVI	17 TNF_Family_Members_Receptors
TNFRSF13c	115650 TNF receptBAFF-R BA	22 TNF_Family_Members_Receptors
TNFRSF14	8764 TNF receptATAR CD27	1 TNF_Family_Members_Receptors
TNFRSF17	608 TNF receptBCM BCM/	16 TNF_Family_Members_Receptors
TNFRSF18	8784 TNF receptAITR CD35	1 TNF_Family_Members_Receptors
TNFRSF19	55504 TNF receptTAJ TAJ-al	13 TNF_Family_Members_Receptors
TNFRSF1A	7132 TNF receptCD120a FP	12 TNF_Family_Members_Receptors
TNFRSF1B	7133 TNF receptCD120b TE	1 TNF_Family_Members_Receptors
TNFRSF21	27242 TNF receptBM-018 CI	6 TNF_Family_Members_Receptors
TNFRSF25	8718 TNF receptAPO-3 DD	1 TNF_Family_Members_Receptors
TNFRSF4	7293 TNF receptACT35 CD3	1 TNF_Family_Members_Receptors
TNFRSF6B	8771 TNF receptDCR3 DJ58	20 TNF_Family_Members_Receptors
TNFRSF8	943 TNF receptCD30 D1S1	1 TNF_Family_Members_Receptors
TNFRSF9	3604 TNF recept4-1BB CD1	1 TNF_Family_Members_Receptors