ILC precursor:extracellular
IL12B;IL23A
IL33
ILC precursor:membrane
IL1RAP
IL23R;IL12RB1
ILC precursor:cytosol
H2AFX;H2AFV;HIST1H2AC; HIST1H2AD;HIST1H2AG; HIST1H2AI;HIST1H2AJ; HIST1H2AK;HIST1H2AL; HIST1H2AM;HIST2H2AC
H2BFS;HIST1H2BB;HIST1H2BC;HIST1H2BD; HIST1H2BE;HIST1H2BF;HIST1H2BG; HIST1H2BH;HIST1H2BI;HIST1H2BJ; HIST1H2BL;HIST1H2BM;HIST1H2BN; HIST1H2BO;HIST2H2BE;LOC102724334
TMED1
**PTMs in IL-17-induced CIKS-independent signaling pathway
UBA1
UBE2V1
MYD88
USP25
UBE2N
IRAK1
IRAK4
BTRC;CUL1; FBXW11;FBXW7; RBX1;SKP1;SKP2
TRAF6
UBB;UBC
TBK1
TAB2
TRAF3IP2
TAB1
TRAF5
IKBKE
MAP3K7
TRAF2
MAP2K7
MAP3K3
SRSF1
**PTMs in IL-17-induced CIKS-independent singaling pathway
TRAF3
TNFSF11
TRAF4
JAK1
JAK3
MAP3K14
ILC precursor:nucleus
SP1
ELK1
FOS
JUN
ATF2
RELA;REL;NFKB1; RELB;NFKB2
NFKBIA;NFKBIB; NFKBIE
STAT5A; STAT5B
STAT1
STAT3
MAP2K3
MAP2K6
FOSL1
**Regulation of gene expression
CEBPD
CEBPB
TNFSF11
RORC
STAT4
**Inhibition of gene expression
IL17A
MUC5B
**mRNA stabilization
IL5
CSF2
CSF3
DEFB4A; DEFB4B
CCL20
TNF
**Regulation of gene expression
LCN2
NOS2
CXCL8
SELE
ICAM1
VCAM1
CXCL6
CXCL5
CXCL1
CCL2
IL6
CCL7
IL17A
SOCS3
SOCS1
**IL-5 signalling
**GM-CSF signaling
**Transcription regulation of granulocyte development
**Chemotaxis of CCR6-positive dendritic cells
**Chemotaxis of CCR6-positive T cells
**Antibacterial activity
**Inhibitory action of Lipoxins on pro-inflammatory TNF-alpha signalling
**IL-8 dependent cell migration and adhesion
**Cell adhesion
**Neutrophil chemotaxis
**IL-6 signalling pathway
**Chemokines and adhesion
JAK2
TYK2
**Granulopoiesis
**Chemotaxis
STAT2
RAF1
PIK3R1;PIK3R2; PIK3R3
*PtdIns(4,5)P2
PIK3CB;PIK3CD; PIK3CA
*PtdIns(3,4,5)P3
PDPK1
AKT1;AKT2; AKT3
*N-omega-Hydroxy-L-arginine
*O(,2)
*L-Arginine
NOS3
GSK3B
MIR101-2; MIR101-1
**MAPK activation
*NO
*L-Citrulline
DUSP1
MAP2K1;MAP2K2
**Angiogenesis
MAPK1; MAPK3
RPS6KA1; RPS6KA2; RPS6KA3
IL13
RPS6KA5
CHUK;IKBKB
**IL-6 signaling pathway
NFKBIA
**IL-13 signaling via PI3K-ERK
**IL-13 signaling via JAK-STAT
IL17F
MAP3K8
IKBKG
MAP2K4
**PTMs in IL-17-inducced CIKS-independent singaling pathway
**Inflammatory response
**IL-17 signaling pathway
**Expandion and/or maintenance the Th17 cell population
**PTMs in IL-17-induced CIKS-dependent MAPK signaling pathways
**PTMs in IL-17-induced CIKS-dependent NF-kB signaling and mRNA stabilization
MAPK10; MAPK8; MAPK9
MAPK14;MAPK11; MAPK13;MAPK12
MAPKAPK2
JUN;FOS
PTGS2
RELA;REL;NFKB1; RELB;NFKB2
**PGE2 synthesis
MUC5AC
TNIP2
**Prostaglandin 2 biosynthesis
IL17RC
IL1RL1
IL17RA
IL1B
IL21
IL6
**Th17 cell differentiation
IL17F
IL17A
**ECM remodiling
**Osteoclast differentiation
TNFSF11
MMP9
MMP3
MMP1
**Bone destruction