

Supplemental Table E1. Primer and probe sequences

TaqMan flanking amplification primers(RTF,RTR); nested primers(TMf,TMR); 5'FAM-3'BHQ probe(TMP)

ICAM1	Homo sapiens intercellular adhesion molecule 1 (CD54), (ICAM1), mRNA
ICAM1-RTF	CACCCAGCGGCTGACG
ICAM1-RTR	CTTCTGAGACCTCTGGCTTCGT
ICAM1-TMF	TGCAGACAGTGACCATCTACAGC
ICAM1-TMP	TCCGGCGCCCAACGTGATTC
ICAM1-TMR	TCTGAGACCTCTGGCTTCGTC
IFNG	Homo sapiens interferon, gamma (IFNG), mRNA
IFNG -RTF	GTAAGTACTGACTTGAATGTCCAACGC
IFNG -RTR	GACAACCATTACTGGGATGCTC
IFNG -TMF	CCAACGCAAAGCAATACATGA
IFNG -TMP	TCCAAGTGATGGCTGAACTGTCGCC
IFNG -TMR	TTTTCGCTTCCCTGTTTTAGCT
IL15RA	Homo sapiens interleukin 15 receptor, alpha (IL15RA), mRNA
IL15ra-RTF	TCCCAGCTCAAACAACACAGC
IL15ra-RTR	GCTGTGAGTTCACAGTTCTTGG
IL15ra-TMF	GGCCACAACAGCAGCTATTGT
IL15ra-TMP	TCCCAGCTGATGCCTTCAAATCACC
IL15ra-TMR	TGACTGCTTATCTCTGTGGTTCCT
IL15	Homo sapiens interleukin 15 (IL15), mRNA
IL15-RTF	AGGATTTACCGTGGCTTTGAGT
IL15-RTR	TGCTGTTACTTTGCAACTGGG
IL15-TMF	TTTCTAACTGAAGCTGGCATTTCAT
IL15-TMP	CCCTGCACTGAAACAGCCCAAATGA
IL15-TMR	CCAGTTGGCTTCTGTTTTAGGAA
IL17	Homo sapiens interleukin 17 (IL17), mRNA
IL17-RTF	ACTGCTACTGCTGCTGAGCCT
IL17-RTR	GGTGAGGTGGATCGGTTGTAGT
IL17-TMF	CAATCCCACGAAATCCAGGA
IL17-TMP	CCCAAATTCTGAGGACAAGAACTTCCCC
IL17-TMR	TTCAGGTTGACCATCACAGTCC
IL18R1	Homo sapiens interleukin 18 receptor 1 (IL18R1), mRNA
IL18R-RTF	GGCCACAGTTGCAGCCAA
IL18R-RTR	CAATGGCTAATACAACCTGGCA
IL18R-TMF	CGGTTCTTGAAAGCTCGGTAAG
IL18R-TMP	CCCTGCAACGCAGAGCCTGCTTA
IL18R-TMR	CTTTTAAGAAGTTCCCATAAATAGATCCA
IL4	Homo sapiens interleukin 4 (IL4), mRNA
IL4-RTF	GGGTCTCACCTCCCAACTGC
IL4-RTR	TGTCTGTTACGGTCAACTCGGT
IL4-TMF	GCTTCCCCCTCTGTTCTTCCT
IL4-TMP	TCCACGGACACAAGTGCGATATCACC
IL4-TMR	GCTCTGTGAGGCTGTTCAAAGTT
IL6	Homo sapiens interleukin 6 (interferon, beta 2) (IL6), mRNA
IL6-RTF	GGTGTGCTGCTGCTGCCTT
IL6-RTR	GTGCCTCTTTGCTGCTTTCAC

IL6-TMF	CCCCCAGGAGAAGATTCCA
IL6-TMP	AGATGTAGCCGCCCCACACAGACAG
IL6-TMR	TCAATTCGTTCTGAAGAGGTGAGT
CXCL9	Homo sapiens chemokine (C-X-C motif) ligand 9 (CXCL9) (aka MIG), mRNA
MIG-RTF	GCCACCGAGATCCTTATCGA
MIG-RTR	CAGACAACCTCTCTACACAATTCAC
MIG-TMF	AAAGGGAACGGTGAAGTACTAAGC
MIG-TMP	CCACTAACCGACTTGGCTGCTTCCTCTAG
MIG-TMR	AACTGGGCACCAATCATGCT
TNFa	Homo sapiens tumor necrosis factor (TNF superfamily, member 2) (TNF), mRNA
TNFa-RTF	CTGGTATGAGCCCATCTATCTGG
TNFa-RTR	TTGGATGTTTCGTCCTCCTCAC
TNFa-TMF	GGAGAAGGGTGACCGACTCA
TNFa-TMP	CGCTGAGATCAATCGGCCCGACTA
TNFa-TMR	TGCCCAGACTCGGCAAAG
IRF1	Homo sapiens interferon regulatory factor 1 (IRF1), mRNA
IRF1-RTF	TAATTCCAACCAAATCCCGGG
IRF1-RTR	CGATATCTGGCAGGGAGTTCAT
IRF1-TMF	CATGGCTGGGACATCAACAA
IRF1-TMP	ATGCCTGTTTGTTCGGAGCTGGG
IRF1-TMR	TTGTATCGGCCTGTGTGAATG
ITK	Homo sapiens IL2-inducible T-cell kinase (ITK), mRNA
ITK-RTF	CGACTCCGGTATCCAGTTTGT
ITK-RTR	CTTGTTGAGCCAGTAGCCAG
ITK-TMF	AGTTACAGCAGGGCTGAGATACG
ITK-TMP	AAATGGGTGATCGACCCCTCAGAGCT
ITK-TMR	CTGCCAATCTCTTGACAAAAG
JAK2	Homo sapiens Janus kinase 2 (a protein tyrosine kinase) (JAK2), mRNA
JAK2-RTF	GGGAAGCTTTGTCTTTCGTGTCA
JAK2-RTR	CGCTCGACAGCAAAAGTCAAAA
JAK2-TMF	ACCTCCAGCCGTGCTTGA
JAK2-TMP	AGCAACTGTCATGGCCCAATTCGAT
JAK2-TMR	TGATTACCTGCTTCTTCAGTTTACTAATG
LRP1	Homo sapiens low density lipoprotein-related protein 1 (LRP1), mRNA
LRP-RTF	GCCAGGCCATCCCTCTAGAC
LRP-RTR	CGGGAGGCAGCTCTTCTC
LRP-TMF	ACGAGAACGAGGGCATCTATGT
LRP-TMP	CGCACCTTTCCGGTCTTGACATCCT
LRP-TMR	GCATGTAGGTGCTTCCAATCAC
STAT6	Homo sapiens signal transducer and activator of transcription 6 (STAT6), mRNA
STAT6-RTF	TATGTCCCAGCTACCATCAAGATGACC
STAT6-RTR	AAGGCTGACAACACGTTGACTGATTC
STAT6-TMF	CAAGATGACCGTGGAAAGGGACCAAC
STAT6-TMP	CTTCCTACCCAGAGCTCCAGATG
STAT6-TMR	ATGGAGGAATCAGGGGCCATTCCAAG
TYK2	Homo sapiens tyrosine kinase 2 (TYK2), mRNA
TYK2-RTF	ACTCACTGAGTTGCTGGAACGAG

TYK2-RTR	AGGCTGACATCCCCCTCTTG
TYK2-TMF	TGAGGTCTATCATCTCATGAAGAAGT
TYK2-TMP	TCCTTTTCGCCCAACCTTCGAGAACC
TYK2-TMR	TGGACTGTCTTCAGAATGGGTATG
LEF1	Homo sapiens lymphoid enhancer-binding factor 1 (LEF1), mRNA.
LEF-1-RTF	CCCCATATCTGCGTGCCT
LEF-1-RTR	GGGTGCTGATGGATAGCTGGT
LEF-1-TMF	CGTGCCTTCCAGAGCA
LEF-1-TMP	TTGCATCCAAACCTGTAACCTTTCGGC
LEF-1-TMR	CAAATGCAGCCAAGTTACCGT
HGF	Homo sapiens hepatocyte growth factor (hepapoietin A; scatter factor) (HGF), mRNA
HGF-RTF	TCCCGACAAGGGCTTTGAT
HGF-RTR	CAGTGTCATTCATAGTATTGTCAGCG
HGF-TMF	CGAGGCCATGGTGCTATACTC
HGF-TMP	TGACCCTCACACCCGCTGGGAGTA
HGF-TMR	TCAGCGCATGTTTTAATTGCA
PLAUR	Homo sapiens plasminogen activator, urokinase receptor (PLAUR), mRNA
PLAUR (uPAR)-R	CCTGAAATGCTGCAACACCA
PLAUR (uPAR)-R	CGGTGGCTACCAGACATTGA
PLAUR (uPAR)-T	GCCCAATCCTGGAGCTTGA
PLAUR (uPAR)-T	TCTGCCGCAGAATGGCCGC
PLAUR (uPAR)-T	TCCCCTTGCAGCTGTAACACT
ACTB	Homo sapiens actin, beta (ACTB), mRNA
bACTIN-RTF	TTGCCGACAGGATGCAGAA
bACTIN-RTR	GCCGATCCACACGGAGTACTT
bACTIN-TMF	CCTGGCACCCAGCACAAT
bACTIN-TMP	TCAAGATCATTGCTCCTCCTGAGCGC
bACTIN-TMR	GCCGATCCACACGGAGTACT
B7H1	Homo sapiens B7-H1 protein (B7-H1), mRNA
B7RP1-RTF	GGAAAACCATACAGCTGAATTGG
B7RP1-RTR	AAGATGGCTCCCAGAATTACCA
B7RP1-TMF	GCTGAATTGGTCATCCCAGAA
B7RP1-TMP	CCTCTGGCACATCCTCCAAATGAAAGG
B7RP1-TMR	GGCTCCCAGAATTACCAAGTGA
B2M	Homo sapiens beta-2-microglobulin (B2M), mRNA
B2M-RTF	GCCGTGTGAACCATGTGACT
B2M-RTR	CAATCCAAATGCGGCATCT
B2M-TMF	TGACTTTGTACAGCCCAAGATA
B2M-TMP	CATGATGCTGCTTACATGTCTCGATCC
B2M-TMR	AAATGCGGCATCTTCAAACC
RPL13A	Homo sapiens ribosomal protein L13a, (RPL13A), mRNA
RPL13A-RTF	GGACCGTGCGAGGTATGCT
RPL13A-RTR	TTCAGACGCACGACCTTGAG
RPL13A-TMF	TATGCTGCCCCACAAAACC
RPL13A-TMP	CAGAGCGGCCTGGCCTCGCT
RPL13A-TMR	TGCCGTCAAACACCTTGAGA
MYD88	Homo sapiens myeloid differentiation primary response gene (88) (MYD88), mRNA

MYD88-RTF	GAGGTTTCATCACTGTCTGCGACTA
MYD88-RTR	AGGTAAGTAGAGCACAGATTCCTCCTA
MYD88-TMF	TGTATCTGTCTGCCTGTCCATGT
MYD88-TMP	TCTGCCCTGCCTCCTCCTTTTCGTT
MYD88-TMR	AGGTAAGTAGAGCACAGATTCCTCCTA
TLR4	Homo sapiens toll-like receptor 4 (TLR4), mRNA
TLR4-RTF	CAGAATGACTTTGCTTGTACTTGTGA
TLR4-RTR	TGCTTATCTGAAGGTGTTGCACAT
TLR4-TMF	AGAGTTTCTGCAATGGATCAAG
TLR4-TMP	TCGTTCAACTCCACCAAGAGCTGCCT
TLR4-TMR	TTATCTGAAGGTGTTGCACATTCC
TLR8	Homo sapiens toll-like receptor 8 (TLR8), mRNA
TLR8-RTF	TACGGCAGCGGATCTGTAAGA
TLR8-RTR	CCGTGAATCATTTTCAGTCAAGAC
TLR8-TMF	CGGATCTGTAAGAGCTCCATCCT
TLR8-TMP	CTGACAACCCGAAGGCAGAAGGCTT
TLR8-TMR	TCAAGACCACATTTCTCAGAGTTTG
CTL4A	Homo sapiens cytotoxic T-lymphocyte-associated protein 4 (CTLA4), mRNA
CTL4A-RTF	GAGGCATCGCCAGCTTTG
CTL4A-RTR	GCCCGTGCAGATGGAATC
CTL4A-TMF	CACTGAGGTCCGGGTGACA
CTL4A-TMP	CTTCGGCAGGCTGACAGCCAG
CTL4A-TMR	GTAGGTTGCCGCACAGACTTC
CD28	Homo sapiens CD28 antigen (Tp44) (CD28), mRNA
cd28-RTF	CCTTGATCATGTGCCCTAAGG
cd28-RTR	CGAGGAACCCGAAGTGTGA
cd28-TMF	GCCGTGGATGACGGAGACT
cd28-TMP	AGACGCACCTGCCAAGGCCTGA
cd28-TMR	CGAGGAACCCGAAGTGTGA
IL13	Homo sapiens interleukin 13 (IL13), mRNA
IL13-2-RTF	CAACCTGACAGCTGGCATGT
IL13-2-RTR	CCTTGTGCGGGCAGAATC
IL13-2-TMF	GCCCTGGAATCCCTGATCA
IL13-2-TMP	TCGATGGCACTGCAGCCTGACA
IL13-2-TMR	GCTCAGCATCCTCTGGGTCTT
TNFSF13B	Homo sapiens tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13B)
TNFSF13B-RTF	GCCAAGCCCTGCCATGTA
TNFSF13B-RTR	AATAAGTGACCACAGGGAATGGAT
TNFSF13B-TMF	GCCAAGCCCTGCCATGTA
TNFSF13B-TMP	TGCACGCAGGACATCAACAAACACA
TNFSF13B-TMR	ACCACAGGGAATGGATCATTTC
TBXAS1	Homo sapiens thromboxane A synthase 1 (platelet) (TBXAS1), mRNA
TBXAS1-RTF	GAAGCTTCTGAGAGAGGTAGACGTT
TBXAS1-RTR	CTCCCGTGTGAATCTGAAAGC
TBXAS1-TMF	AAGGCCTGCCCTATCTGGA
TBXAS1-TMP	CCTCAGCGTCTCTGCAATCACCATG
TBXAS1-TMR	AATCTGAAAGCTGGCGGGTA

TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP) [Homo sapiens]
TAP1-RTF	AGCTTATTTCTGTGGTACCTGGTG
TAP1-RTR	GCTGGACTTTGCCAGAGATTC
TAP1-TMF	GATCACCTGCCTCTGCTTT
TAP1-TMP	TTCCACCTTCTTGGGCAGAAGGA
TAP1-TMR	CTGCACTTCCAGCAACTGGT
GBP2	guanylate binding protein 2, interferon-inducible [Homo sapiens]
GBP2-RTF	CCAATGTCAAGACTCTTTCAGGTG
GBP2-RTR	ACTGCGGCTGAGTTCTCTATCTG
GBP2-TMF	TTCAGGTGGCATTCCAGTCA
GBP2-TMP	CACCAGGCTCTCTAGACGAGGCCCA
GBP2-TMR	GCTGATGGCATTGACGTAGG
SKIL	Homo sapiens SKI-like oncogene (SKIL), transcript variant 1, mRNA
SKIL-RTF	AAAGGAAATCTGAGTCTGCCACTT
SKIL-RTR	TCCATCTGAAGTTGTTGCTTCTTT
SKIL-TMF	AGTGGGAATTGGCCTTGTTG
SKIL-TMP	TGCCGCTTCATCTCCGCTTCTTG
SKIL-TMR	TTCCCTTATCATCCTCACAAATG
IL25	Homo sapiens interleukin 25 (IL25), transcript variant 1, mRNA
IL-25new-RTF	CCAGAGTCCTGTAGGGCCAGT
IL-25new-RTR	GACAGTCTGGTTGTGGTAGAGCAG
IL-25new-TMF	TGTAGGGCCAGTGAAGATGG
IL-25new-TMP	CCTCAACAGCAGGGCCATCTCCC
IL-25new-TMR	GCCGGTTCAAGTCTCTGTCC
SAA4	serum amyloid A4, constitutive [Homo sapiens]
SAA4-RTF	AATTTTCATCTGGAGAAAGGTCCAC
SAA4-RTR	CATTATGTCCCAATAGGCTCTGC
SAA4-TMF	TGCTCCTTGGTCATGGGAGT
SAA4-TMP	AAACGAACGCCAGCTTTCCTGGTG
SAA4-TMR	CCTTGGAGAGCCTCCTTGAA
CETP	CETP cholesteryl ester transfer protein, plasma [Homo sapiens]
CETP-RTF	CCAAGTCAAGTATGGGTGCAC
CETP-RTR	TCTGAATGGAGACATCAATGGACT
CETP-TMF	ATGGGTGCACAACATCCAG
CETP-TMP	ACTTGTCCATCGCCAGCAGCCA
CETP-TMR	GACTTGGCTTCCACCAGCTC
USP15	USP15 ubiquitin specific peptidase 15 [Homo sapiens]
USP15-RTF	CCCTACCGCTAGTGGGAAGAAGAT
USP15-RTR	CGACTATCGACTAGGTACCAGGTGT
USP15-TMF	GTGGAAGAAGATGGCGGAAG
USP15-TMP	ACACCCAGCGGTCTGACATCGC
USP15-TMR	CCTTCCGGAGCGAGGTT
GBP1	GBP1 guanylate binding protein 1, interferon-inducible [Homo sapiens]
GBP1-RTF	TTTGTGCAACAAGTAGCAGACTTC
GBP1-RTR	TTGCACTGCAGCTGAGTTCTCTAT
GBP1-TMF	CTTTCAGGAGGCATCCAGGT
GBP1-TMP	CCAGGCTCTCTAGACGAGGCCCG

GBP1-TMR	GGCATTGACGTAGGTCAGCA
PIK3AP1	PIK3AP1 phosphoinositide-3-kinase adaptor protein 1 [Homo sapiens]
PIK3AP1-RTF	CAGCGAGGAGTTCCTAGACTTCTT
PIK3AP1-RTR	GTAGGAAACAACCTTCTCGTCCTC
PIK3AP1-TMF	GGAGCTCACCTGTGACGATG
PIK3AP1-TMP	CACAGCTGCCACGTAGGTCTCTGGC
PIK3AP1-TMR	GCCAGAATCTTCGGAAATGG
TNFAIP2	TNFAIP2 tumor necrosis factor, alpha-induced protein 2 [Homo sapiens]
TNFAIP2-RTF	AAGAGCCACGGCTTTGACA
TNFAIP2-RTR	GTGTCTACAGTGGCGATGATGTTT
TNFAIP2-TMF	TTTGACACCCTGCTCCAGAA
TNFAIP2-TMP	CCTGCATGAGGACCTGAAGCCACTG
TNFAIP2-TMR	GGTGTGCGTGAACCTCTTGA
IRF7	IRF7 interferon regulatory factor 7 [Homo sapiens]
IRF7-RTF	GTCCTGGTGAAGCTGGAACC
IRF7-RTR	GATGTCGTCATAGAGGCTGTTGG
IRF7-TMF	TGTGCCGAGTGCACCTAGAG
IRF7-TMP	ACACACCCTCACGCTGCGTGC
IRF7-TMR	AGGCTGAGGCTGCTGCTATC
LPCAT2	LPCAT2 lysophosphatidylcholine acyltransferase 2 [Homo sapiens]
LPCAT2-RTF	AGCATTGACTTCCGAGAGTATGTG
LPCAT2-RTR	CTCTTCCTCCGTTATGTAGCCATC
LPCAT2-TMF	TTGTGCAACCCTTCCAACAC
LPCAT2-TMP	CAGCTTAAATGCCACCTGGATGATCTCC
LPCAT2-TMR	GCCATCCTCATCAACGTCAA
IRF9	IRF9 interferon regulatory factor 9 [Homo sapiens]
IRF9-RTF	AGAAGTGCACACTCAGTCCCTCT
IRF9-RTR	GTGTCTGTAACCTCCTGTGGCTCA
IRF9-TMF	TGCTCCAGGACTCCCTCAAT
IRF9-TMP	CCACTGGCCCCCTCCTCCTCAT
IRF9-TMR	TGCTCCAATGTCTGAATGG
CXCL10	Homo sapiens C-X-C motif chemokine 10 (CXCL10) (aka IP-10)
CXCL10-RTF	CTACAGCAGAGGAACCTCCAGTCT
CXCL10-RTR	GATGCAGGTACAGCGTACAGTTCT
CXCL10-TMF	AACCTCCAGTCTCAGCACCA
CXCL10-TMP	TCAAAGTGCCATTCTGATTTGCTGCCT
CXCL10-TMR	CCTTGAATGCCACTTAGAGTCAGA
STAT1	Signal transducer and activator of transcription 1, 91 kDa
STAT1-RTF	GTTTGGTAATTGACCTCGAGACG
STAT1-RTR	CCAAGTCAAGCACTTCTGAAAGC
STAT1-TMF	GGCCTCCATCCTTTGGTACA
STAT1-TMP	ATCCTGGGTTCCGCCACCAGC
STAT1-TMR	GCACATGGTGGAGTCAGGAA
TLR2	Toll-like receptor 2
TLR2-RTF	CCAGCAAATTACCTGTGTGACTCT
TLR2-RTR	CATATACCACAGGCCATGGAAAC
TLR2-TMF	GGTGTCCGAATGTCACAGGA

TLR2-TMP	CAGCACATGCCAGACACCAGTGCT
TLR2-TMR	GGATCAGCAGGAACAGAGCA
STAT2	Signal transducer and activator of transcription 2, 113 kDa
STAT2-RTF	GCTGGAGTCATTAGAGCTGGA ACT
STAT2-RTR	CTATCACAGGCTCCAGAGTGGAC
STAT2-TMF	AGCTGGA ACTAGGGCTGGTG
STAT2-TMP	CCAGAGCCAGAGCTCAGCCTGGA
STAT2-TMR	TGCCTTCAGCAGTGGCTCTA