

## Supplementary Table S6. List of primers used in PCR and sequencing

F: forward primer; R: reverse primer

Exon	Sequence primer 5'->3'	Primer Name
<b>IL6ST genomic DNA amplification and sequencing</b>		
3	CACAGCTACAGCATGGAAACA	3F-IL6ST
	GCATGTAAGATGACTGTTACAACCTCAA	3R-IL6ST
4	TGACGGTTGAGGGACTCTACA	4F-IL6ST
	GCAGTTCAATAGTCATGACAAAGTC	4R-IL6ST
5	CGCAAATGCCTTGGGTAGTA	5F-IL6ST
	AAAAATCCAGCAAAAATGACT	5R-IL6ST
6	TAGTGACCAGCAGTTATATTGCAA	6F-IL6ST
	CGACTACAGTGTCAAATAAACTCTCA	6R-IL6ST
7	TTGGAAAACATAATAAACCTTAGGA	7F-IL6ST
	GGGTTGAAAGAAGGACTATTTGA	7R-IL6ST
8	TGTTTGGTTTGCTTTGTTTCA	8F-IL6ST
	TCACAAACTAAGAAGCAATGAGG	8R-IL6ST
9	GCAATTGGAGGGCAAGAGTA	9F-IL6ST
	AATGGAGCGAGACTCGGTTT	9R-IL6ST
10	AGAGATTTGACATAATGGCATG	10F-IL6ST
	GTGTTTTTATGGGAGCCCTG	10R-IL6ST
11	TCACATGTTTTGGAAATGACTG	11F-IL6ST
	AGTCGTTTCAACGGACCAAA	11R-IL6ST
12-13	TGCAGTTTTAAAAGAAAATTAAGTGG	12/13F-IL6ST
	GGTGTCCTCGAGGCCAATA	12/13R-IL6ST
14	CAATGCCAAATATAGGCCAAA	14F-IL6ST
	CCACCAACCAAGCCAGATA	14R-IL6ST
15	CAGTAAGTCTGGTTGGGAAGTTG	15F-IL6ST
	TTGGGCTGAGAAGAAGACAGA	15R-IL6ST
16	TGGTTTGGTTTGTAAAGAGCTTTG	16F-IL6ST
	TTCAGCTTGAATATCTTATCTTT	16R-IL6ST
17	CTGGGAAGTTTCAGAGATGC	17F-IL6ST
	CTTGCCGTACAGTCTGTGGT	17R-IL6ST
<b>IL6ST cDNA amplification and sequencing</b>		
3-7	ACCCAATGGAAAAAGCATGA	3F.RT-IL6ST
	TGCTGTGTCTTCAGGAGGAA	7R.RT-IL6ST
7-11	AGAAGCAGAGAATGCCCTTG	7F.RT-IL6ST
	CCTCTTAAATAGGTGCGATGC	11R.RT-IL6ST
11-15	TCACAAGATGGAATCACAT	11F.RT-IL6ST
	TGACCACTGGGCAATATGAC	15R.RT-IL6ST
16-17	TTCTGCTTAAATAAGCGAGACC	16F.RT-IL6ST
	GGGCAATGATCATCTTCAGAG	17R.RT-IL6ST
<b>IL6ST cDNA sequencing</b>		
3-7	GAACAGCATCCAGTGTCC	3FintRT-IL6ST
	GTTTTGCTTTGCAATCA	7RintRT-IL6ST
7-11	GCTGTATGAAGGAAGATG	7FintRT-IL6ST
	TCAGTTTTGTGGCATTAACTGTG	11RintRT-IL6ST
11-15	AGACTGGCAACAAGAAGA	11FintRT-IL6ST
	CTGTGTATGCTGCCATT	15RintRT-IL6ST
16-17	GACCTGTTCAAAAAGGAAA	16FintRT-IL6ST
	ATCAGTCGCAGCCTCCAT	17RintRT-IL6ST
<b>IL6R cDNA amplification and sequencing</b>		
1-5	GGCTCCTGCGGATGGGGCC	5'UTRF.RT-IL6R
	GGGTCTTGCCAGGTGACAC	703R.RT-IL6R
4-10	CCAGTAGTGTCGGGAGCAA	583F.RT-IL6R
	CATCTTTTGCTGAGCCCGT	3'UTRR.RT-IL6R
<b>IL6R cDNA sequencing</b>		
1-5	GAGGAGCCCCAGCTCTCC	342F-IL6R
1-3	CTCACCAAGAGCACAGCC	434R-IL6R
9-10	CGACAAGCCTCCAGTGC	1051F-IL6R
5-10	AGTACGGCGGATGCATGC	1207R-IL6R
<b>LIFR cDNA amplification and sequencing</b>		
1-6	AAGGTGAGCCTTCAGAACAATC	5'UTRF.RT-LIFR
	GCAGTTTGTATGGCCAATCAGT	6R.RT-LIFR
6-10	AGGTTTTTCTCAAGATAAAGTGA	6F.RT-LIFR
	CTTTGAAGGACTGGCTTCTG	10R.RT-LIFR
10-15	TTTCGGATTTCGTTGTCTACTGA	10F.RT-LIFR
	TTCTTAACTTTTTATGTCAGAACGACCT	15R.RT-LIFR
15-19	GGGAAGACATTCCTGTGGA	15F.RT-LIFR
	CCCCTCCTACAGGTCATTT	19R.RT-LIFR
19	GGGACTGCACAGGTTATTTACA	19F.RT-LIFR
	CACATGAGAAAACCACAAACA	3'UTRR.RT-LIFR

<b>LIFR cDNA sequencing</b>		
1-6	AAAACAGGTCCCGTTCTTGTTATCA	5'UTRintFRT-LIFR
	GTCTGAGCCTACAAGTATCAC	6RintRT-LIFR
6-10	TCTTGGCATTACCAGGCAACT	6FintRT-LIFR
	TCCTCATCTGATGAACACGAT	10RintRT-LIFR
10-15	CGCTCCATGATTGGATATATAG	10FintRT-LIFR
	GGTTTTCAGGCTCTGCATCAGA	15RintRT-LIFR
19	TTACAGACCTCAGGCCAATG	19FintRT-LIFR
<b>OSMR cDNA amplification and sequencing</b>		
1-4	TGGATACAGGGAAGGAGAA	3'UTRF.RT-OSMR
	GTCCTCAAGTACTTTTGAGACAA	4R.RT-OSMR
4-10	GGAAGGAAACAGATTCATG	4F.RT-OSMR
	TGGATGGTTTGTCTAGGTTTT	10R.RT-OSMR
8-14	TGGAGTGAATGGAGTGGTCA	8F.RT-OSMR
	TGAATCAGCATCGAGGAGT	14R.RT-OSMR
14-17	CAAATGACAACCCGGAAG	14F.RT-OSMR
	GTGCCAGCTCTGCTTCTT	5'UTRR.RT-OSMR
<b>SOCS3 genomic DNA amplification and sequencing</b>		
2	AGGGTTCGGGCACTCAA	2F-SOCS3
	TTCTTGTGCTTGCCATGT	2R-SOCS3
<b>JAK1 genomic DNA amplification and sequencing</b>		
11	CAGCAGACGTTGGCTGTC	11F-JAK1
	CCCCAAGCTGCTCCATC	11R-JAK1
12	ATTGAGGACCCATTCCCAG	12F-JAK1
	GTTCCACTGGCTCCAGAAAC	12R-JAK1
13	CTGGCTTCCCTCAACAG	13F-JAK1
	ACAGCACCAAGTCCC	13R-JAK1
14	CTGTCGTAAGGGGATGAAGG	14F-JAK1
	TCCCAGGACACTCTGGTTTC	14R-JAK1
15	GGGACCAGGTTGGAAATAG	15F-JAK1
	CAGCCCTTCTCTGCTGAC	15R-JAK1
16	TCACTGTTCTGGCTGCAGTG	16F-JAK1
	ACAACCTCTGGGAAGCCC	16R-JAK1
17-18	GGGGCTGAGAAGTTGTAGG	17/18F-JAK1
	TACGTGCAGAGAGTGGCG	17/18R-JAK1
19	GACTTCTGTGTGTTCCGTGG	19F-JAK1
	TTGCACTGGCCTTATGACC	19R-JAK1
20	CTTGCTCTCCCATGGTTC	20F-JAK1
	CAAACCAATTACCCAGGACAG	20R-JAK1
21	TCTGCATTATTTAGATGAAAAGTTAGC	21F-JAK1
	TCAGGCCAGAGGAATGAGAC	21R-JAK1
22	TCCTGTAATGTCGGATGGAG	22F-JAK1
	TTAACCAAGCAGAGGGATGG	22R-JAK1
23	ATTTACCTTAATCTGTTTGGC	23F-JAK1
	CAACTCAAGCTGCGAAAAC	23R-JAK1
24	TGAACTAGAGTTGTATCCCATTTTC	24F-JAK1
	ACTTGGGCATTTGTTGCAG	24R-JAK1
<b>JAK2 genomic DNA amplification and sequencing</b>		
12	CAAAGTTCAATGAGTTGACCCC	12F-JAK2
	TGCTAACATCTAACACAAGGTTGG	12R-JAK2
13	TGTATTTTCTTGTTCTACTTCGTTTC	13F-JAK2
	TTACAATTTTAAAAGCTGCAC	13R-JAK2
14	GAGAAAGTGCATCTTTATTATGGC	14F-JAK2
	CTGACACCTAGCTGTGATCCTG	14R-JAK2
15	TGTTTAGACTCCTACTTTGCTGTTG	15F-JAK2
	CACAGACTATTTTACATGAATTGGC	15R-JAK2
16	TTCTTCTTAAATCTGTTTGGGG	16F-JAK2
	CCTTTACACCACTGCCCAAG	16R-JAK2
17-18	CCCCTCCAAAATAAAGAAAATAGG	17/18F-JAK2
	AGGGCCCAAATGACATCAAG	17/18R-JAK2
19	GACCAGTGTGGTGCGGG	19R-JAK2
	GAAGGCCTGTCAGATTATGGG	19F-JAK2
20	TTTATTTGTAATTTGCCTTGAAAAC	20F-JAK2
	TTACACAGGATGCCAAACAC	20R-JAK2
21-22	CCCACGTGGACTATAACCATGAC	21/22R-JAK2
	CTGAAACGCAAATAGTTTCAAAGC	21/22F-JAK2
23	GTAGATGTCAGCATAAACCGTATTG	23F-JAK2
	GCCATTGGTGGAGTAGATGC	23R-JAK2
24-25	CCATTGACTGGAGGAAATTGAG	24/25F-JAK2
	TCCACAGCAATGTGAAATATAAAAC	24/25R-JAK2

<b>TYK2 genomic DNA amplification and sequencing</b>		
12-13	GTGGGATGTGGCATCTCTCC	12/13F-TYK2
	CCACAGACACACCCCTCC	12/13R-TYK2
14	GTGTCCGTGGAGGAGGTG	14F-TYK2
	GGAGTGGGTATAAGTCAGGGG	14R-TYK2
15	ACATGCCAAGTCCCTCCC	15F-TYK2
	TCTCGAACTCCTGGGCTCC	15R-TYK2
16-17	GAGCTCTGATTCTGTCCTCTGG	17R-TYK2
	GTTGTCCTTTTCACATTGGCTG	16F-TYK2
18	CTGCCTCTTGGGGAACG	18F-TYK2
	GCTATAGGCATACAGCAGGG	18R-TYK2
19	TTTGTGACTCCCAAGTGTGG	19F-TYK2
	CCAAACTCCTTCCCGACC	19R-TYK2
20	GAGTGGTGCAGGGATTGG	20F-TYK2
	CACAAGGCCACACCCAC	20R-TYK2
21	CTCTGCTGGGCTCAAGGTAG	21F-TYK2
	CAGCCCAAGCTGAAGAGG	21R-TYK2
22	GCTGCTCAGGTCCTGCC	22F-TYK2
	CTACTCCACCCTGCCTGTTT	22R-TYK2
23	GTCTCAGGTGAGGGCTTCAG	23F-TYK2
	TCTCTCCGTCTGTCCTGTC	23R-TYK2
24-25	CGTGCCTGCCTTTTCATTG	24/25F-TYK2
	TTGGTTTCATCCTGGAGCAG	24/25R-TYK2
<b>TYK2 genomic DNA sequencing</b>		
22	CGAACCCCGCCCCACTGA	22F-TYK2
	CCAAGTGACCCAGCACC	22R-TYK2