

Table S3 Inflammation-target gene information

Gene	UniProt ID	Gene Full Name
TNFRSF1B	P20333	TNF receptor superfamily member 1B
NOS2	P35228	nitric oxide synthase 2
TNF	P01375	tumor necrosis factor
IL6	P05231	interleukin 6
CRP	P02741	C-reactive protein
IL10	P22301	interleukin 10
IL1B	P01584	interleukin 1 beta
TLR4	O00206	toll like receptor 4
ALB	P02768	albumin
BTBD8	Q5XKL5	BTB domain containing 8
RIPK1	Q13546	receptor interacting serine/threonine kinase 1
CXCL8	P10145	C-X-C motif chemokine ligand 8
MBL2	P11226	mannose binding lectin 2
HMGB1	P09429	high mobility group box 1
TLR2	O60603	toll like receptor 2
CYBB	P04839	cytochrome b-245 beta chain
CCL2	P13500	C-C motif chemokine ligand 2
IFNG	P01579	interferon gamma
FCGR1A	P12314	Fc fragment of IgG receptor 1a
THBD	P07204	thrombomodulin
HMOX1	P09601	heme oxygenase 1
HGF	P14210	hepatocyte growth factor
MASP2	O00187	mannan binding lectin serine peptidase 2
CD14	P08571	CD14 molecule
RIPK3	Q9Y572	receptor interacting serine/threonine kinase 3
LCN2	P80188	lipocalin 2
SERPINE1	P05121	serpin family E member 1
PTH	P01270	parathyroid hormone
PTEN	P60484	phosphatase and tensin homolog
NFKB1	P19838	nuclear factor kappa B subunit 1
NPPB	P16860	natriuretic peptide B
STIM2	Q9P246	stromal interaction molecule 2
PTX3	P26022	pentraxin 3
RRBP1	Q9P2E9	ribosome binding protein 1
PLG	P00747	plasminogen
NFE2L2	Q16236	nuclear factor, erythroid 2 like 2
ATHS		atherosclerosis susceptibility (lipoprotein associated)
TNNI3	P19429	troponin I3, cardiac type
RTN1	Q16799	reticulon 1
SCN10A	Q9Y5Y9	sodium voltage-gated channel alpha subunit 10

Table S3 (continued) Inflammation-target gene information

PIK3CB	P42338	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit beta
RTN4	Q9NQC3	reticulon 4
PIK3CD	O00329	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta
PIK3CA	P42336	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha
SERPINA1	P01009	serpin family A member 1
PIK3CG	P48736	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma
PIP	P12273	prolactin induced protein
PF4	P02776	platelet factor 4
COX1	P00395	cytochrome c oxidase subunit I
GDE1	Q9NZC3	glycerophosphodiester phosphodiesterase 1
TLR9	Q9NR96	toll like receptor 9
IRAK4	Q9NWZ3	interleukin 1 receptor associated kinase 4
PPBP	P02775	pro-platelet basic protein
PPIA	P62937	peptidylprolyl isomerase A
NAT10	Q9H0A0	N-acetyltransferase 10
PRKAR1A	P10644	protein kinase cAMP-dependent type I regulatory subunit alpha
OTC	P00480	ornithine carbamoyltransferase
RSC1A1	Q92681	regulator of solute carriers 1
NR1I3	Q14994	nuclear receptor subfamily 1 group I member 3
NRP1	O14786	neuropilin 1
SERPINB7	O75635	serpin family B member 7
FCN3	O75636	ficolin 3
CASR	P41180	calcium sensing receptor
RPAIN	Q86UA6	RPA interacting protein
CASP1	P29466	caspase 1
CARS1	P49589	cysteinyI-tRNA synthetase 1
CAPN1	P07384	calpain 1
CHRFAM7A	P36544 Q494W8	CHRNA7 (exons 5-10) and FAM7A (exons A- E) fusion
ARTN	Q5T4W7	artemin
IL33	O95760	interleukin 33
SPATA2	Q9UM82	spermatogenesis associated 2
DCAF1	Q9Y4B6	DDB1 and CUL4 associated factor 1
PPP6R2	O75170	protein phosphatase 6 regulatory subunit 2
CIR1	Q86X95	corepressor interacting with RBPJ, 1
CD28	P10747	CD28 molecule
ZFYVE9	O95405	zinc finger FYVE-type containing 9

Table S3 (continued) Inflammation-target gene information

SPECC1	Q5M775	sperm antigen with calponin homology and coiled-coil domains 1
HGS	O14964	hepatocyte growth factor-regulated tyrosine kinase substrate
TAM		Myeloproliferative syndrome, transient (transient abnormal
ZBP1	Q9H171	Z-DNA binding protein 1
ASRGL1	Q7L266	asparaginase and isoaspartyl peptidase 1
SPP1	P10451	secreted phosphoprotein 1
SPG7	Q9UQ90	SPG7 matrix AAA peptidase subunit, paraplegin
SLPI	P03973	secretory leukocyte peptidase inhibitor
CXADRP1		CXADR pseudogene 1
SRSF5	Q13243	serine and arginine rich splicing factor 5
NOD2	Q9HC29	nucleotide binding oligomerization domain containing 2
SELPLG	Q14242	selectin P ligand
SELL	P14151	selectin L
BPI	P17213	bactericidal permeability increasing protein
SST	P61278	somatostatin
TCF21	O43680	transcription factor 21
CALCA	P01258 P06881	calcitonin related polypeptide alpha
CORO7	P57737	coronin 7
COLEC11	Q9BWP8	collectin subfamily member 11
LAT2	Q9GZY6	linker for activation of T cells family member 2
VIP	P01282	vasoactive intestinal peptide
UROD	P06132	uroporphyrinogen decarboxylase
C5AR1	P21730	complement C5a receptor 1
TNFAIP3	P21580	TNF alpha induced protein 3
SELE	P16581	selectin E
ALPP	P05187	alkaline phosphatase, placental
FKBP1A	P62942	FKBP prolyl isomerase 1A
ALDH2	P05091	aldehyde dehydrogenase 2 family member
F3	P13726	coagulation factor III, tissue factor
F2	P00734	coagulation factor II, thrombin
ESR1	P03372	estrogen receptor 1
EDN1	P05305	endothelin 1
EDA	Q92838	ectodysplasin A
ATN1	P54259	atrophin 1
FKBP1AP1		FKBP prolyl isomerase 1A pseudogene 1
FKBP1AP2		FKBP prolyl isomerase 1A pseudogene 2
FKBP1AP3		FKBP prolyl isomerase 1A pseudogene 3
LY96	Q9Y6Y9	lymphocyte antigen 96
CLEC5A	Q9NY25	C-type lectin domain containing 5A

Table S3 (continued) Inflammation-target gene information

FPR1	P21462	formyl peptide receptor 1
PADI4	Q9UM07	peptidyl arginine deiminase 4
ARC	Q7LC44	activity regulated cytoskeleton associated protein
SIRT2	Q8IXJ6	sirtuin 2
SIRT2	Q8IXJ6	sirtuin 2
CARD8	Q9Y2G2	caspase recruitment domain family member 8
FKBP1AP4		FKBP prolyl isomerase 1A pseudogene 4
AGRP	O00253	agouti related neuropeptide
AFM	P43652	afamin
CCL27	Q9Y4X3	C-C motif chemokine ligand 27
SH2B2	O14492	SH2B adaptor protein 2
CXCL13	O43927	C-X-C motif chemokine ligand 13
CDK9	P50750	cyclin dependent kinase 9
TRIM13	O60858	tripartite motif containing 13
EDIL3	O43854	EGF like repeats and discoidin domains 3
MIR4772		microRNA 4772
LOC100505909		histidine-rich glycoprotein
GTF2A1L	Q9UNN4	general transcription factor IIA subunit 1 like
STON1	Q9Y6Q2	stonin 1
CHI3L1	P36222	chitinase 3 like 1
ADRB2	P07550	adrenoceptor beta 2
CXADR	P78310	CXADR Ig-like cell adhesion molecule
CSF2	P04141	colony stimulating factor 2
CPN1	P15169	carboxypeptidase N subunit 1
ADM	P35318	adrenomedullin
SLC18B1	Q6NT16	solute carrier family 18 member B1
CISH	Q9NSE2	cytokine inducible SH2 containing protein
NLRP3	Q96P20	NLR family pyrin domain containing 3
TLX1NB	P0CAT3	TLX1 neighbor
MIF	P14174	macrophage migration inhibitory factor
ITGB2	P05107	integrin subunit beta 2
ITGB1	P05556	integrin subunit beta 1
CXCR1	P25024	C-X-C motif chemokine receptor 1
IL4	P05112	interleukin 4
IL1RN	P18510	interleukin 1 receptor antagonist
IL1A	P01583	interleukin 1 alpha
KLK3	P07288	kallikrein related peptidase 3
ANKRD42	Q8N9B4	ankyrin repeat domain 42
KCNJ5	P48544	potassium inwardly rectifying channel subfamily J member 5
LAMC2	Q13753	laminin subunit gamma 2
LEP	P41159	leptin
MEFV	O15553	MEFV innate immunity regulator, pyrin

Table S3 (continued) Inflammation-target gene information

MC1R	Q01726	melanocortin 1 receptor
MIR23B		microRNA 23b
ARR3	P36575	arrestin 3
MIR191		microRNA 191
MIR15A		microRNA 15a
MIR143		microRNA 143
LTA	P01374	lymphotoxin alpha
ICAM1	P05362	intercellular adhesion molecule 1
DNAJC4	Q9NNZ3	DnaJ heat shock protein family (Hsp40) member C4
GSN	P06396	gelsolin
GRP	P07492	gastrin releasing peptide
CD274	Q9NZQ7	CD274 molecule
NR3C1	P04150	nuclear receptor subfamily 3 group C member 1
STON1-GTF2A1L	Q9Y6Q2	STON1-GTF2A1L readthrough
PDLIM3	Q53GG5	PDZ and LIM domain 3
C5AR2	Q9P296	complement component 5a receptor 2
ATRNL1	Q5VV63	attractin like 1
IL19	Q9UHD0	interleukin 19
HARS1	P12081	histidyl-tRNA synthetase 1
CFH	P08603	complement factor H
HSP90AA1	P07900	heat shock protein 90 alpha family class A member 1
HSPA4	P34932	heat shock protein family A (Hsp70) member 4
HSPA1B	P0DMV8 P0DMV9	heat shock protein family A (Hsp70) member 1B
HSPA1A	P0DMV8 P0DMV9	heat shock protein family A (Hsp70) member 1A
BIRC2	Q13490	baculoviral IAP repeat containing 2
HRG	P04196	histidine rich glycoprotein
AGFG1	P52594	ArfGAP with FG repeats 1
HP	P00738	haptoglobin
GABPA	Q06546	GA binding protein transcription factor subunit alpha