

Genes ranked according to p<0.05 in TNFa+IFNg-18h										18h - Fold HuR/IgG (reported in Table 1)									
3h - Fold HuR/IgG										Control		TNFa+IFNg							
Symbol	Ave Fold	Paired T	Ave Fold	Paired T	Ave Fold	Paired T	Ave Fold	Paired T	Ave Fold	Paired T	Symbol	Gene name	Description	Genebank	UniGene				
CCL2	3.06	0.09	2.37	0.04	2.20	0.20	63.73	0.03			CCL2	MCP1/SCYA2	Chemokine (C-C motif) ligand 2	NM_002982	Hs.303649				
CXCL1	1.42	0.18	1.68	0.04	1.24	0.33	22.47	0.04			CXCL1	GROa/MGSA	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)	NM_001511	Hs.789				
CCL8	1.61	0.17	1.36	0.18	1.32	0.38	22.21	0.03			CCL8	MCP-2	Chemokine (C-C motif) ligand 8	NM_005623	Hs.271387				
CXCL2	1.23	0.17	1.53	0.10	0.91	0.22	18.12	0.03			CXCL2	MIP-2a/GROb	Chemokine (C-X-C motif) ligand 2	NM_002089	Hs.75765				
MAPK8	1.57	0.20	1.06	0.26	1.68	0.44	9.14	0.03			MAPK8	JNK1	Mitogen-activated protein kinase 8	NM_002750	Hs.445864				
TGFA	1.52	0.23	1.17	0.14	1.07	0.36	8.86	0.04			TGFA	TGF-a	Transforming growth factor, alpha	NM_003236	Hs.170009				
SOC3	1.30	0.22	1.47	0.16	1.01	0.30	8.70	0.05			SOC3	SSI-3	Suppressor of cytokine signaling 3	NM_003955	Hs.436943				
CCL20	0.87	0.15	1.16	0.17	1.11	0.36	7.03	0.04			CCL20	MIP-3a/SCYA2C	Chemokine (C-C motif) ligand 20	NM_004591	Hs.75498				
IL8	1.01	0.37	0.98	0.47	1.19	0.32	6.52	0.03			IL8	IL-8	Interleukin 8	NM_000584	Hs.624				
TNFSF11	1.02	0.33	1.11	0.32	0.83	0.25	6.32	0.05			TNFSF11	TRANCE	Tumor necrosis factor (ligand) superfamily, member 11	NM_003701	Hs.333791				
TRPV6	1.41	0.21	1.38	0.00	0.82	0.09	5.50	0.04			TRPV6	ECAC2/Cat1	Transient receptor potential cation channel, subfamily V, member 6	NM_018646	Hs.302740				
VAV1	1.36	0.16	1.15	0.36	0.78	0.23	5.28	0.04			VAV1	Vav1	Vav 1 oncogene	NM_005428	Hs.116237				
TNFRSF1B	1.61	0.19	1.24	0.01	1.16	0.28	5.26	0.03			TNFRSF1B	TNFR2/p75	Tumor necrosis factor receptor superfamily, member 1B	NM_001066	Hs.256278				
TYK2	1.39	0.13	1.23	0.00	0.92	0.29	5.22	0.01			TYK2	Tyk2	Tyrosine kinase 2	NM_003331	Hs.75516				
CSNK2A1	1.28	0.11	1.31	0.19	1.26	0.48	5.14	0.04			CSNK2A1	CK-II alpha	Casein kinase 2, alpha 1 polypeptide	NM_001895	Hs.446484				
ITGB7	0.95	0.29	0.84	0.20	1.00	0.44	4.97	0.05			ITGB7	Integrin b7	Integrin, beta 7	NM_000889	Hs.1741				
TNFRSF7	1.26	0.16	1.21	0.49	0.92	0.18	4.78	0.05			TNFRSF7	CD27	Tumor necrosis factor receptor superfamily, member 7	NM_001242	Hs.355307				
TGFBFR1	1.96	0.22	1.07	0.33	1.20	0.31	4.58	0.04			TGFBFR1	ALK-5/ACVRLK	Transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa)	NM_004612	Hs.28005				
PPP3R1	2.22	0.05	1.31	0.02	1.46	0.10	4.50	0.02			PPP3R1	CALN1B	Protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, alpha isoform (calcineurin B, type I)	NM_000945	Hs.286064				
TNFRSF21	1.43	0.14	1.13	0.23	0.99	0.29	4.48	0.04			TNFRSF21	TNFRSF21	Tumor necrosis factor receptor superfamily, member 21	NM_014452	Hs.159651				
RNF110	1.23	0.04	0.94	0.19	0.77	0.11	4.30	0.01			RNF110	ZNF144	Ring finger protein 110	NM_007144	Hs.371617				
IL6	0.99	0.49	0.88	0.15	1.02	0.29	4.17	0.02			IL6	IL-6	Interleukin 6 (interferon, beta 2)	NM_000600	Hs.512234				
MAP3K2	1.18	0.01	0.95	0.31	0.98	0.32	4.05	0.04			MAP3K2	MEKK2	Mitogen-activated protein kinase kinase kinase 2	NM_006609	Hs.28827				
TGFBFR2	1.18	0.34	0.91	0.14	1.05	0.25	4.00	0.05			TGFBFR2	TGFBFR2	Transforming growth factor, beta receptor II (70/80kDa)	NM_003242	Hs.82028				
TRAF1	1.10	0.29	1.00	0.28	0.91	0.23	3.87	0.04			TRAF1	TRAF1	TNF receptor-associated factor 1	NM_005658	Hs.223474				
CSNK2B	1.15	0.29	1.02	0.48	0.93	0.15	3.53	0.01			CSNK2B	CK-II beta	Casein kinase 2, beta polypeptide	NM_001320	Hs.73527				
SMAD2	1.22	0.03	0.89	0.29	1.03	0.26	2.45	0.05			SMAD2	MADH2	SMAD, mothers against DPP homolog 2 (Drosophila)	NM_005901	Hs.110741				
Genes ranked according to p = 0.05 to 0.1 in TNFa+IFNg-18h										18h - Fold HuR/IgG									
3h - Fold HuR/IgG										Control		TNFa+IFNg							
Symbol	Ave Fold	Paired T	Ave Fold	Paired T	Ave Fold	Paired T	Ave Fold	Paired T	Ave Fold	Paired T	Symbol	Gene name	Description	Genebank	UniGene				
JUND	5.48	0.18	2.80	0.20	4.64	0.17	49.81	0.14			JUND	Jun-D	Jun D proto-oncogene	NM_005354	Hs.2780				
CCL13	1.32	0.32	1.46	0.20	1.16	0.33	20.77	0.09			CCL13	MCP-4	Chemokine (C-C motif) ligand 13	NM_005408	Hs.414629				
TGIF	1.95	0.22	1.51	0.18	1.70	0.22	20.04	0.12			TGIF	TGIF	TGFB-induced factor (TALE family homeobox)	NM_003244	Hs.161999				
ATF2	2.86	0.20	1.25	0.23	2.90	0.21	18.17	0.10			ATF2	Creb-2	Activating transcription factor 2	NM_001880	Hs.80285				
MAX	2.34	0.14	1.33	0.13	1.99	0.27	17.26	0.07			MAX	Max	MAX protein	NM_002382	Hs.42712				
RUNX1	2.28	0.18	1.49	0.17	1.74	0.31	12.15	0.07			RUNX1	AML1	Runt-related transcription factor 1 (acute myeloid leukemia 1; aml1 oncogene)	NM_001754	Hs.410774				
SP3	2.39	0.18	1.20	0.23	1.61	0.14	5.61	0.08			SP3	Sp3	Sp3 transcription factor	NM_003111	Hs.154295				
CCL7	0.80	0.09	1.01	0.31	1.01	0.27	4.35	0.10			CCL7	MCP-3	Chemokine (C-C motif) ligand 7	NM_006273	Hs.251526				
ELK3	1.30	0.02	1.21	0.13	1.19	0.34	4.03	0.05			ELK3	Elk-3	ELK3, ETS-domain protein (SRF accessory protein 2)	NM_005230	Hs.288555				
TNFSF6	1.04	0.32	1.10	0.31	0.99	0.27	3.94	0.09			TNFSF6	Fas ligand	Tumor necrosis factor (ligand) superfamily, member 6	NM_000639	Hs.2007				
VEGF	1.03	0.23	0.97	0.31	0.85	0.18	2.84	0.08			VEGF	VEGF	Vascular endothelial growth factor	NM_003376	Hs.73793				
CXCL3	0.84	0.46	1.03	0.23	0.62	0.02	12.28	0.16			CXCL3	GRO3	Chemokine (C-X-C motif) ligand 3	NM_002090	Hs.89690				
ZFPM2	1.38	0.18	1.23	0.13	0.67	0.10	8.13	0.10			ZFPM2	FOG2	Zinc finger protein, multiple 2	NM_012082	Hs.106309				
SOC3	1.72	0.21	1.11	0.31	1.24	0.48	6.03	0.06			SOC3	SOC3	Suppressor of cytokine signaling 3	XM_294897	Hs.270564				
RUNX2	1.11	0.30	1.11	0.41	1.11	0.48	5.98	0.05			RUNX2	CBFA1	Runt-related transcription factor 2	NM_004348	Hs.122116				
ACVR2	1.23	0.31	1.36	0.21	1.21	0.37	5.59	0.06			ACVR2	ACVR2	Activin A receptor, type II	NM_001616	Hs.389846				
CCL19	0.98	0.37	1.26	0.19	1.07	0.32	5.16	0.07			CCL19	MCP-3b/SCYA1	Chemokine (C-C motif) ligand 19	NM_006274	Hs.50002				
LTB4R	1.81	0.18	1.09	0.22	1.18	0.46	5.10	0.06			LTB4R	GPR16	Leukotriene B4 receptor	NM_181657	Hs.445013				
CCL18	0.96	0.24	1.25	0.19	1.03	0.30	4.95	0.09			CCL18	PARC	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)	NM_002988	Hs.16530				
CCR3	0.94	0.16	1.26	0.21	0.94	0.27	4.93	0.13			CCR3	CCR3	Chemokine (C-C motif) receptor 3	NM_001837	Hs.506190				
TGFBFR3	1.06	0.39	1.09	0.31	0.97	0.24	4.85	0.09			TGFBFR3	TGFBFR3	Transforming growth factor, beta receptor III (betaglycan, 300kDa)	NM_003243	Hs.342874				
VAV3	0.99	0.45	1.06	0.28	0.89	0.32	4.85	0.07			VAV3	Vav3	Vav 3 oncogene	NM_006113	Hs.267659				
ORM1	0.98	0.48	0.89	0.21	1.16	0.31	4.83	0.14			ORM1	AGP1	Orosomucoid 1	NM_000607	Hs.528635				
CCR5	0.82	0.06	1.01	0.33	0.88	0.34	4.82	0.10			CCR5	CCR5	Chemokine (C-C motif) receptor 5	NM_000579	Hs.54443				
OPRD1	0.92	0.33	0.94	0.24	0.91	0.27	4.81	0.13			OPRD1	DOR1	Opioid receptor, delta 1	NM_000911	Hs.372				
BCL2	0.89	0.16	0.89	0.22	1.03	0.28	4.71	0.11			BCL2	Bcl-2	B-cell CLL/lymphoma 2	NM_000633	Hs.79241				
AGT	0.91	0.30	1.08	0.47	1.21	0.37	4.65	0.13			AGT	Angiotensinogen	Angiotensinogen (serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), mer	NM_000029	Hs.19383				
ICAM3	1.00	0.34	1.00	0.23	0.83	0.29	4.64	0.11			ICAM3	ICAM3	Intercellular adhesion molecule 3	NM_002162	Hs.353214				
ACVRL1	0.92	0.24	1.04	0.44	1.08	0.31	4.62	0.12			ACVRL1	ALK-1	Activin A receptor type II-like 1	NM_000020	Hs.410104				
IL12B	0.87	0.14	1.12	0.43	0.90	0.22	4.59	0.14			IL12B	IL-12B	Interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)	NM_002187	Hs.674				
COL3A1	0.84	0.19	0.86	0.22	1.04	0.31	4.58	0.14			COL3A1	COL3A1	Collagen, type III, alpha 1 (Ehlers-Danlos syndrome type IV, autosomal dominant)	NM_000090	Hs.443625				
IFNB1	0.87	0.13	0.97	0.27	1.11	0.30	4.58	0.14			IFNB1	IFN-b1	Interferon, beta 1, fibroblast	NM_002176	Hs.93177				
NCAM1	0.92	0.27	1.02	0.32	1.02	0.27	4.55	0.13			NCAM1	NCAM	Neural cell adhesion molecule 1	NM_000615	Hs.78792				
LTB4R2	1.01	0.39	1.00	0.32	0.89	0.26	4.51	0.10			LTB4R2	LTB4R2	Leukotriene B4 receptor 2	NM_019839	Hs.130685				
TLR9	0.96	0.40	0.90	0.20	0.85	0.22	4.49	0.11			TLR9	TLR9	Toll-like receptor 9	NM_017442	Hs.87968				
PTPRC	0.92	0.07	1.04	0.35	0.86	0.26	4.47	0.13			PTPRC	Cd45	Protein tyrosine phosphatase, receptor type, C	NM_002838	Hs.444324				
TNFRSF11A	1.09	0.39	1.12	0.41	0.82	0.11	4.45	0.10			TNFRSF11A	Rank	Tumor necrosis factor receptor superfamily, member 11a, activator of NFkB	NM_003839	Hs.204044				
TLR5	0.88	0.20	1.11	0.36	0.94	0.30	4.42	0.11			TLR5	TLR5	Toll-like receptor 5	NM_003268	Hs.114408				
BMP1R1B	1.06	0.30	1.27	0.19	1.00	0.30	4.41	0.11			BMP1R1B	ALK-6	Bone morphogenetic protein receptor, type IB	NM_001203	Hs.87223				
CCR1	0.77	0.09	0.96	0.26	0.90	0.21	4.36	0.10			CCR1	MIP1aR	Chemokine (C-C motif) receptor 1	NM_001295	Hs.301921				
TNF	0.98	0.48	0.88	0.22	0.70	0.04	4.33	0.07			TNF	TNFA	Tumor necrosis factor (TNF superfamily, member 2)	NM_000594	Hs.241570				
IL12RB2	0.89	0.14	1.04	0.40	1.13	0.38	4.32	0.13			IL12RB2	IL-12Rb2	Interleukin 12 receptor, beta 2	NM_001559	Hs.413608				
NFATC1	0.89	0.23	0.99	0.30	1.13	0.34	4.26	0.14			NFATC1	NFATc	Nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1	NM_172390	Hs.96149				
NOS2A																			

ACVR2B	0.93	0.31	1.20	0.26	1.19	0.34	4.03	0.10	ACVR2B	ACVR2B	Activin A receptor, type IIB	NM_001106	Hs.23994
SLA	1.02	0.37	1.11	0.44	0.78	0.22	4.03	0.13	SLA	SLAP	Src-like-adapter	NM_006748	Hs.75367
CXCL6	0.82	0.11	0.89	0.22	0.90	0.24	3.99	0.12	CXCL6	GCP-2/SCYB6	Chemokine (C-X-C motif) ligand 6 (granulocyte chemotactic protein 2)	NM_002993	Hs.164021
TDGF1	0.94	0.37	1.12	0.41	0.79	0.23	3.97	0.12	TDGF1	TDGF1	Teratocarcinoma-derived growth factor 1	NM_003212	Hs.385870
TRAF5	1.05	0.45	1.19	0.50	0.57	0.09	3.96	0.10	TRAF5	TRAF5	TNF receptor-associated factor 5	NM_004619	Hs.385885
TLR6	0.89	0.22	1.06	0.30	0.90	0.26	3.91	0.13	TLR6	TLR6	Toll-like receptor 6	NM_006068	Hs.366986
CCR8	0.87	0.21	1.01	0.35	1.20	0.39	3.87	0.12	CCR8	CCR8	Chemokine (C-C motif) receptor 8	NM_005201	Hs.113222
MAPK10	1.13	0.09	1.02	0.35	1.00	0.30	3.84	0.10	MAPK10	JNK3	Mitogen-activated protein kinase 10	NM_002753	Hs.25209
TLR8	0.96	0.33	0.98	0.26	0.94	0.27	3.81	0.12	TLR8	TLR8	Toll-like receptor 8	NM_016610	Hs.272410
TLR3	0.92	0.34	1.24	0.41	0.84	0.28	3.79	0.11	TLR3	TLR3	Toll-like receptor 3	NM_003265	Hs.29499
MYF5	0.84	0.05	1.14	0.45	0.89	0.28	3.79	0.12	MYF5	MYF5	Myogenic factor 5	NM_005593	Hs.178023
SELPLG	1.19	0.16	1.04	0.24	0.81	0.21	3.79	0.11	SELPLG	PSGL1	Selectin P ligand	NM_003006	Hs.423077
CX3CR1	0.87	0.14	1.06	0.45	1.07	0.34	3.78	0.12	CX3CR1	CX3CR1	Chemokine (C-X3-C motif) receptor 1	NM_001337	Hs.78913
TLR10	0.90	0.03	1.05	0.29	0.79	0.28	3.77	0.09	TLR10	TLR10	Toll-like receptor 10	NM_030956	Hs.120551
IL5RA	0.93	0.08	1.28	0.14	1.01	0.34	3.77	0.12	IL5RA	IL-5 Ra	Interleukin 5 receptor, alpha	NM_000564	Hs.68876
TRAF6	1.23	0.32	1.19	0.08	0.75	0.06	3.72	0.06	TRAF6	TRAF6	TNF receptor-associated factor 6	NM_004620	Hs.444172
REL	0.97	0.29	0.83	0.15	0.94	0.25	3.70	0.11	REL	c-Rel	V-rel reticuloendotheliosis viral oncogene homolog (avian)	NM_002908	Hs.44313
NFKBIL2	0.95	0.36	0.97	0.27	0.80	0.21	3.70	0.11	NFKBIL2	IKBR	Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	NM_013432	Hs.356764
TNFSF4	0.87	0.29	1.10	0.32	0.80	0.21	3.66	0.12	TNFSF4	OX40L	Tumor necrosis factor (ligand) superfamily, member 4 (tax-transcriptionally activated glycoprotein 1, 34kDa)	NM_003326	Hs.181097
SOCS4	0.98	0.44	0.97	0.29	1.11	0.45	3.64	0.11	SOCS4	SOCS4	Suppressor of cytokine signaling 4	NM_080867	Hs.352327
TFCP2	1.05	0.32	1.14	0.42	0.86	0.25	3.61	0.10	TFCP2	TFCP2	Transcription factor CP2	NM_005653	Hs.154970
NUP214	0.95	0.25	1.00	0.28	1.08	0.32	3.60	0.13	NUP214	CAIN	Nucleoporin 214kDa	NM_005085	Hs.460294
TNFSF5	0.87	0.22	1.15	0.37	0.87	0.27	3.58	0.11	TNFSF5	CD40L/CD154/1	Tumor necrosis factor (ligand) superfamily, member 5 (hyper-IgM syndrome)	NM_000074	Hs.652
PAK1	1.18	0.30	0.86	0.19	1.14	0.31	3.56	0.06	PAK1	Pak1	P21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast)	NM_002576	Hs.64056
IVL	0.94	0.22	1.04	0.40	0.85	0.24	3.55	0.10	IVL	Involucrin	Involucrin	NM_005547	Hs.157091
IL19	1.16	0.11	1.43	0.21	1.13	0.35	3.55	0.08	IL19	IL19	Interleukin 19	NM_013371	Hs.71979
NFAT5	1.00	0.36	0.97	0.32	1.17	0.34	3.52	0.11	NFAT5	TONEBP	Nuclear factor of activated T-cells 5, tonicity-responsive	NM_006599	Hs.86998
MAP3K7IP1	1.01	0.41	1.03	0.34	0.88	0.22	3.52	0.09	MAP3K7IP1	TAB1	Mitogen-activated protein kinase kinase kinase 7 interacting protein 1	NM_006116	Hs.403927
ACVR1	1.10	0.27	1.13	0.32	0.90	0.23	3.50	0.11	ACVR1	ALK-2	Activin A receptor, type I	NM_001105	Hs.150402
ITK	0.96	0.24	1.11	0.45	0.98	0.35	3.49	0.12	ITK	Itk	IL2-inducible T-cell kinase	NM_005546	Hs.211576
IL11	0.97	0.31	0.93	0.22	0.78	0.25	3.42	0.06	IL11	IL-11	Interleukin 11	NM_000641	Hs.1721
TNFRSF9	0.97	0.45	1.14	0.31	0.80	0.24	3.41	0.09	TNFRSF9	4-1BB	Tumor necrosis factor receptor superfamily, member 9	NM_001561	Hs.528403
VAV2	1.04	0.34	1.05	0.30	0.82	0.25	3.39	0.12	VAV2	Vav2	Vav 2 oncogene	NM_003371	Hs.4248
TRAF2	0.99	0.46	0.94	0.22	0.77	0.13	3.31	0.09	TRAF2	TRAP3	TNF receptor-associated factor 2	NM_021138	Hs.437575
TLR4	0.95	0.37	1.16	0.44	0.91	0.34	3.24	0.11	TLR4	TLR4	Toll-like receptor 4	NM_003266	Hs.174312
TLR2	0.90	0.29	1.18	0.37	0.80	0.24	2.98	0.11	TLR2	TLR2	Toll-like receptor 2	NM_003264	Hs.519033
TRAF3	1.00	0.41	0.90	0.21	0.58	0.09	2.80	0.09	TRAF3	CRAF1	TNF receptor-associated factor 3	NM_003300	Hs.297660
SOCS2	0.92	0.14	1.04	0.34	0.87	0.22	2.78	0.14	SOCS2	STAT2	Suppressor of cytokine signaling 2	NM_003877	Hs.405946
TNFRSF1A	1.26	0.20	0.90	0.23	1.01	0.25	2.76	0.07	TNFRSF1A	TNFR1	Tumor necrosis factor receptor superfamily, member 1A	NM_001065	Hs.159
SOCS6	0.94	0.11	0.96	0.32	1.00	0.26	2.61	0.12	SOCS6	SOCS4/CIS4	Suppressor of cytokine signaling 6	NM_004232	Hs.44439
MAP3K7	1.05	0.27	0.89	0.20	0.91	0.16	2.60	0.06	MAP3K7	TAK1	Mitogen-activated protein kinase kinase kinase 7	NM_003188	Hs.290346
SAA1	1.00	0.36	0.88	0.14	1.12	0.29	2.57	0.07	SAA1	SAA1	Serum amyloid A1	NM_000331	Hs.332053
VCAM1	0.96	0.34	1.01	0.33	0.81	0.24	2.53	0.12	VCAM1	VCAM-1	Vascular cell adhesion molecule 1	NM_001078	Hs.109225
MYD88	1.09	0.24	0.88	0.22	0.88	0.21	2.32	0.08	MYD88	MyD88	Myeloid differentiation primary response gene (88)	NM_002468	Hs.82116
TGFB2	1.13	0.07	0.77	0.04	1.10	0.30	2.25	0.09	TGFB2	TGF b2	Transforming growth factor, beta 2	NM_003238	Hs.169300
TGFB1	1.14	0.03	0.75	0.08	0.93	0.16	2.04	0.10	TGFB1	TGFb1	Transforming growth factor, beta 1 (Camurati-Engelmann disease)	NM_000660	Hs.1103
FOSL1	1.28	0.16	0.97	0.44	0.88	0.24	1.92	0.06	FOSL1	Fra-1	FOS-like antigen 1	NM_005438	Hs.283565