

Attached file for Figure 2: Differentially transcribed genes

**Differential response of Mono Mac 6-, BEAS-2B-
and Jurkat- cells to indoor dust**

Herbert Riechelmann, Tom Deutschle, Ariane Grabow, Birger Heinzow, Werner Butte, Rudolf Reiter

Mono Mac 6-cells upregulated genes

Gene Name	Ratio	UniGene ID	Refseq ID	Description
CCL4	6.94	Hs.75703	NM_002984.2	Chemokine (C-C motif) ligand 4
CCL3	6.88	Hs.514107	NM_002983.1	Chemokine (C-C motif) ligand 3
SERPINB2	6.78	Hs.594481	NM_002575.1	Serpin peptidase inhibitor, clade B (ovalbumin), member 2
IL1B	6.15	Hs.126256	NM_000576.2	Interleukin 1, beta
IL8	5.93	Hs.624	NM_000584.2	Interleukin 8
MT1L	4.45	Hs.647358	NM_002450	Metallothionein 1L (pseudogene)
SOD2	4.32	Hs.487046	NM_000636.2	Superoxide dismutase 2, mitochondrial
MT1E	4.32	Hs.534330	NM_175617.3	Metallothionein 1E (functional)
MT1A	4.28	Hs.513626	NM_005946.2	Metallothionein 1A (functional)
MT1G	3.81	Hs.433391	NM_005950.1	Metallothionein 1G
UGT2B4	3.41	Hs.285887	NM_021139.1	UDP glucuronosyltransferase 2 family, polypeptide B4
IL23A	3.34	Hs.98309	NM_016584.2	Interleukin 23, alpha subunit p19
IER3	2.94	Hs.591785	NM_003897.2	Immediate early response 3
BCL2A1	2.81	Hs.227817	NM_004049.2	BCL2-related protein A1
RGS1	2.74	Hs.75256	NM_002922.3	Regulator of G-protein signalling 1
MT1H	2.72	Hs.438462	NM_005951.1	Metallothionein 1H
NFKBIA	2.49	Hs.81328	NM_020529.1	Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha
PTGS2	2.33	Hs.196384	NM_000963.1	Prostaglandin-endoperoxide synthase 2
TNFAIP3	2.32	Hs.591338	NM_006290.2	Tumor necrosis factor, alpha-induced protein 3
CDKN1A	2.29	Hs.370771	NM_078467.1	Cyclin-dependent kinase inhibitor 1A (p21, Cip1)
TRAF1	2.19	Hs.531251	NM_005658.3	TNF receptor-associated factor 1
CCL1	2.14	Hs.72918	NM_002981.1	Chemokine (C-C motif) ligand 1
CSF2	2.08	Hs.1349	NM_000758.2	Colony stimulating factor 2 (granulocyte-macrophage)
FTH1	2.06	Hs.524910	NM_002204.1	Ferritin, heavy polypeptide 1
CD48	2.03	Hs.243564	NM_001778.2	CD48 molecule
NQO1	2.01	Hs.406515	NM_001025434.1	NAD(P)H dehydrogenase, quinone 1
MMP9	1.84	Hs.297413	NM_004994.2	Matrix metallopeptidase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)
PLAUR	1.83	Hs.466871	NM_001005376.1	Plasminogen activator, urokinase receptor
CYP1B1	1.81	Hs.154654	NM_000104.2	Cytochrome P450, family 1, subfamily B, polypeptide 1
UGT2B10	1.78	Hs.201634	NM_001075.2	UDP glucuronosyltransferase 2 family, polypeptide B10
TNFAIP2	1.75	Hs.525607	NM_006291.2	Tumor necrosis factor, alpha-induced protein 2
BTG2	1.73	Hs.519162	NM_006763.2	BTG family, member 2
THBS1	1.67	Hs.164226	NM_003246.2	Thrombospondin 1

CXCL1	1.65	Hs.789	NM_001511.1	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
CCL20	1.55	Hs.75498	NM_004591.1	Chemokine (C-C motif) ligand 20
TNF	1.51	Hs.241570	NM_000594.2	Tumor necrosis factor (TNF superfamily, member 2)
CD83	1.46	Hs.484703	NM_001040280.1	CD83 molecule
FGR	1.45	Hs.1422	NM_001042729.1	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog
IFNGR2	1.44	Hs.634632	NM_005534.2	Interferon gamma receptor 2 (interferon gamma transducer 1)
DUSP1	1.40	Hs.171695	NM_004417.2	Dual specificity phosphatase 1
TNFAIP6	1.39	Hs.437322	NM_007115.2	Tumor necrosis factor, alpha-induced protein 6
RIPK2	1.35	Hs.103755	NM_003821.5	Receptor-interacting serine-threonine kinase 2
IGFBP3	1.33	Hs.450230	NM_001013398.1	Insulin-like growth factor binding protein 3
CCL7	1.31	Hs.251526	NM_006273.2	Chemokine (C-C motif) ligand 7
ADAM17	1.29	Hs.404914	NM_003183.4	ADAM metallopeptidase domain 17 (tumor necrosis factor, alpha, converting enzyme)
TNFRSF1B	1.28	Hs.256278	NM_001066.2	Tumor necrosis factor receptor superfamily, member 1B
DAF	1.22	Hs.408864	NM_000574	Complement decay-accelerating factor
MMP14	1.22	Hs.2399	NM_004995.2	Matrix metallopeptidase 14 (membrane-inserted)
ICAM1	1.16	Hs.643447	NM_000201.1	Intercellular adhesion molecule 1 (CD54), human rhinovirus receptor
PSCDBP	1.15	Hs.270	NM_004288.3	Pleckstrin homology, Sec7 and coiled-coil domains, binding protein
ANXA5	1.13	Hs.480653	NM_001154.2	Annexin A5
TANK	1.03	Hs.556496	NM_133484.1	TRAF family member-associated NFKB activator
HLA-F	1.03	Hs.519972	NM_018950	Major histocompatibility complex, class I, F
JUND	1.00	Hs.2780	NM_005354.3	Jun D proto-oncogene
NFKB2	0.99	Hs.73090	NM_001077493.1	Nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)
NFKB1	0.98	Hs.431926	NM_003998.2	Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 (p105)
TNIP1	0.96	Hs.543850	NM_006058.3	TNFAIP3 interacting protein 1
CASP1	0.96	Hs.2490	NM_001007232.1	Caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase)
GGT1	0.91	Hs.595809	NM_001032364.1	Gamma-glutamyltransferase 1
PBEF	0.88	Hs.293464	NM_005746	Pre B cell enhancing factor precursor
HSPA1A	0.87	Hs.405994	NM_005346.3	Heat shock 70kDa protein 1A
GSTM3	0.86	Hs.2006	NM_000849.3	Glutathione S-transferase M3 (brain)
BIRC3	0.80	Hs.127799	NM_182962.1	Baculoviral IAP repeat-containing 3
CD14	0.79	Hs.163867	NM_001040021.1	CD14 molecule
CXCL2	0.79	Hs.590921	NM_002089.1	Chemokine (C-X-C motif) ligand 2
SAT	0.76	Hs.28491	NM_002970	Spermidine acetyltransferase
CCL2	0.73	Hs.303649	NM_002982.3	Chemokine (C-C motif) ligand 2
CCR5	0.69	Hs.450802	NM_000579.1	Chemokine (C-C motif) receptor 5
GADD45A	0.69	Hs.80409	NM_001924.2	Growth arrest and DNA-damage-inducible, alpha
LIF	0.68	Hs.2250	NM_002309.2	Leukemia inhibitory factor (cholinergic differentiation factor)

PMAIP1	0.67	Hs.96	NM_021127.1	Phorbol-12-myristate-13-acetate-induced protein 1
RASSF2	0.66	Hs.631504	NM_170774.1	Ras association (RalGDS/AF-6) domain family 2
TMSB4X	0.65	Hs.522584	NM_021109.2	Thymosin, beta 4, X-linked
HLA-E	0.64	Hs.118354	NM_005516.4	Major histocompatibility complex, class I, E
FCAR	0.64	Hs.631534	NM_133273.1	Fc fragment of IgA, receptor for
ADAMDEC1	0.62	Hs.521459	NM_014479.2	ADAM-like, decysin 1
DUSP5	0.60	Hs.2128	NM_004419.3	Dual specificity phosphatase 5
CSF3	0.59	Hs.2233	NM_172220.1	Colony stimulating factor 3 (granulocyte)
CXCL10	0.59	Hs.632586	NM_001565.1	Chemokine (C-X-C motif) ligand 10
CD44	0.57	Hs.502328	NM_001001391.1	CD44 molecule (Indian blood group)
HLA-A	0.56	Hs.181244	NM_002127.1	Major histocompatibility complex, class I, A
PLEKHC1	0.53	Hs.509343	NM_006832.1	Pleckstrin homology domain containing, family C (with FERM domain) member 1
CCL19	0.53	Hs.50002	NM_006274.2	Chemokine (C-C motif) ligand 19
CXCL3	0.50	Hs.89690	NM_002090.2	Chemokine (C-X-C motif) ligand 3
CCL5	0.50	Hs.514821	NM_002985.2	Chemokine (C-C motif) ligand 5
GCLC	0.49	Hs.271264	NM_001498.2	Glutamate-cysteine ligase, catalytic subunit
RCN1	0.49	Hs.97887	NM_002901.1	Reticulocalbin 1, EF-hand calcium binding domain
IL10	0.49	Hs.193717	NM_000572.2	Interleukin 10
JUN	0.46	Hs.525704	NM_002228.3	Jun oncogene
POR	0.43	Hs.354056	NM_000941.2	P450 (cytochrome) oxidoreductase

Mono Mac 6-cells downregulated genes

Gene Name	Ratio	UniGene ID	Refseq ID	Description
RNASE6	-2.32	Hs.23262	NM_005615.2	Ribonuclease, RNase A family, k6
CXCR4	-1.85	Hs.593413	NM_001008540.1	Chemokine (C-X-C motif) receptor 4
PP	-1.75	Hs. 184011	NM_021129	Pyrophosphatase (inorganic)
AMHR2	-1.26	Hs. 123014	NM_020547	Anti-Mullerian hormone receptor, type II
PDCD4	-1.21	Hs.232543	NM_145341.2	Programmed cell death 4 (neoplastic transformation inhibitor)
PTMS	-1.19	Hs.504613	NM_002824.4	Parathymosin
HSPD1	-1.19	Hs.595053	NM_199440.1	Heat shock 60kDa protein 1 (chaperonin)
CDK4	-1.19	Hs.95577	NM_000075.2	Cyclin-dependent kinase 4
PGAM1	-1.18	Hs.592599	NM_001029891.2	Phosphoglycerate mutase 1 (brain)
BNIP3	-1.15	Hs.144873	NM_004052.2	BCL2/adenovirus E1B 19kDa interacting protein 3
CD164	-1.15	Hs.520313	NM_0060163	CD 164 molecule, sialomurin
DEFB1	-1.15	Hs.32949	NM_005218.3	Defensin, beta 1
FGF7	-1.15	Hs.567268	NM_002009.2	Fibroblast growth factor 7 (keratinocyte growth factor)
CCT4	-1.11	Hs.421509	NM_006430.2	Chaperonin containing TCP1, subunit 4 (delta)
LDHA	-1.09	Hs.2795	NM_005566.1	Lactate dehydrogenase A
RNH	-1.09	Hs. 75108	NM_002939	Ribonuclease/angiogenin inhibitor
HSPE1	-1.08	Hs.1197	NM_002157.1	Heat shock 10kDa protein 1 (chaperonin 10)
NME4	-1.07	Hs. 9235	NM_005009	Non-metastatic cells 4, protein expressed i
RNASE3	-1.06	Hs.73839	NM_002935.2	Ribonuclease, RNase A family, 3 (eosinophil cationic protein)
CCT2	-1.04	Hs.189772	NM_006431.2	Chaperonin containing TCP1, subunit 2 (beta)
CCNA2	-1.03	Hs.58974	NM_001237.2	Cyclin A2
AMH	-1.01	Hs.112432	NM_000479.2	Anti-Mullerian hormone
IFNGR1	-1.00	Hs.520414	NM_000416.1	Interferon gamma receptor 1
SCARB1	-1.00	Hs.298813	NM_005505.3	Scavenger receptor class B, member 1
RPS15	-0.96	Hs.406683	NM_001018.3	Ribosomal protein S15
CYP2A7	-0.94	Hs.250615	NM_000764.2	Cytochrome P450, family 2, subfamily A, polypeptide 7
SOAT2	-0.90	Hs. 3347	NM_003578	Sterol O-acyltransferase 2
NTHL1	-0.90	Hs.66196	NM_002528.4	Nth endonuclease III-like 1 (E. coli)
RPLP1	-0.89	Hs.356502	NM_213725.1	Ribosomal protein, large, P1
MGMT	-0.88	Hs.501522	NM_002412.2	O-6-methylguanine-DNA methyltransferase
PCNA	-0.88	Hs.147433	NM_002592.2	Proliferating cell nuclear antigen
EIF3S10	-0.87	Hs. 198899	NM_003750	Eukaryotic translation initiation factor 3, subunit 10 (theta, 150/170kD)

CREB3L3	-0.86	Hs.247744	NM_032607.1	CAMP responsive element binding protein 3-like 3
MRPS28	-0.85	Hs.521124	NM_014018.2	Mitochondrial ribosomal protein S28
CAT	-0.84	Hs.502302	NM_001752.2	Catalase
BAG1	-0.82	Hs.377484	NM_004323.3	BCL2-associated athanogene
FUS	-0.80	Hs.513522	NM_001010850.1	Fusion (involved in t(12;16) in malignant liposarcoma)
GDF1	-0.79	Hs. 92614	NM_001492	Growth differentiation factor 1
CD81	-0.78	Hs.54457	NM_004356.3	CD81 molecule
TCERG1	-0.78	Hs.443465	NM_006706.3	Transcription elongation regulator 1
PTDSS1	-0.77	Hs.292579	NM_014754.1	Phosphatidylserine synthase 1
CCNI	-0.76	Hs.648010	NM_006835.2	Cyclin I
ALDH2	-0.76	Hs.632733	NM_000690.2	Aldehyde dehydrogenase 2 family (mitochondrial)
CCNF	-0.76	Hs.1973	NM_001761.1	Cyclin F
EPHX1	-0.75	Hs.89649	NM_000120.2	Epoxide hydrolase 1, microsomal (xenobiotic)
MCP	-0.74	Hs. 83532	NM_172361	Membrane cofactor protein (CD46, trophoblast-lymphocyte cross-reactive antigen)
COMT	-0.73	Hs.370408	NM_007310.1	Catechol-O-methyltransferase
MGST2	-0.72	Hs.81874	NM_002413.3	Microsomal glutathione S-transferase 2
FOSL1	-0.72	Hs.283565	NM_005438.2	FOS-like antigen 1
XRCC5	-0.71	Hs.388739	NM_021141.2	X-ray repair complementing defective repair in Chinese hamster cells 5
PIM1	-0.71	Hs.81170	NM_002648.2	Pim-1 oncogene
TP53	-0.71	Hs.408312	NM_000546.2	Tumor protein p53 (Li-Fraumeni syndrome)
CDKN2B	-0.70	Hs.72901	NM_004936.3	Cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)
AGTRAP	-0.70	Hs.464438	NM_001040194.1	Angiotensin II receptor-associated protein
NPM1	-0.70	Hs.557550	NM_001037738.1	Nucleophosmin (nucleolar phosphoprotein B23, numatrin)
CDKN2C	-0.69	Hs.525324	NM_001262.2	Cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)
ODC1	-0.69	Hs.467701	NM_002539.1	Ornithine decarboxylase 1
NTRK3	-0.68	Hs.410969	NM_001007156.1	Neurotrophic tyrosine kinase, receptor, type 3
ARF1	-0.67	Hs.286221	NM_001024226.1	ADP-ribosylation factor 1
TCP1	-0.66	Hs.363137	NM_001008897.1	T-complex 1
CCNB1	-0.66	Hs.23960	NM_031966.2	Cyclin B1
TIAF1	-0.65	Hs. 75822	NM_078471	TGFB1-induced anti-apoptotic factor 1
ACAT1	-0.64	Hs.232375	NM_000019.2	Acetyl-Coenzyme A acetyltransferase 1 (acetoacetyl Coenzyme A thiolase)
ITGA2B	-0.63	Hs.411312	NM_000419.3	Integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41)
EIF4A2	-0.63	Hs.599481	NM_001967.3	Eukaryotic translation initiation factor 4A, isoform 2
PSME2	-0.61	Hs.434081	NM_002818.2	Proteasome (prosome, macropain) activator subunit 2 (PA28 beta)
FCGR1A	-0.58	Hs.77424	NM_000566.2	Fc fragment of IgG, high affinity Ia, receptor (CD64)
CD63	-0.58	Hs.445570	NM_001780.4	CD63 molecule
ACVR1B	-0.58	Hs.438918	NM_020327.2	Activin A receptor, type IB

MAPK14	-0.54	Hs.588289	NM_001315.1	Mitogen-activated protein kinase 14
CAPNS1	-0.52	Hs.515371	NM_001003962.1 NM_001749.2	Calpain, small subunit 1
KRT7	-0.52	Hs.411501	NM_005556.3	Keratin 7
PSMB3	-0.51	Hs.82793	NM_002795.2	Proteasome (prosome, macropain) subunit, beta type, 3
PTHLH	-0.50	Hs.591159	NM_198966.1	Parathyroid hormone-like hormone
TUBG1	-0.50	Hs.279669	NM_001070.3	Tubulin, gamma 1
ACY1	-0.49	Hs.334707	NM_000666.1	Aminoacylase 1
CRIP1	-0.47	Hs.70327	NM_001311.3	Cysteine-rich protein 1 (intestinal)
HMGCS1	-0.47	Hs.397729	NM_002130.4	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)
PLAU	-0.44	Hs.77274	NM_002658.2	Plasminogen activator, urokinase
MT2A	-0.43	Hs.647371	NM_005953.2	Metallothionein 2A
ECGF1	-0.41	Hs.592212	NM_001953.2	Endothelial cell growth factor 1 (platelet-derived)

BEAS-2B-cells upregulated genes

Gene Name	Ratio	UniGene ID	Refseq ID	Description
HSPCB	0.45	Hs. 74335	NM_007355	Heat shock 90kD protein 1, beta
PLAU	0.48	Hs.77274	NM_002658.2	Plasminogen activator, urokinase
CSF1	0.52	Hs.591402	NM_172212.1	Colony stimulating factor 1 (macrophage)
TNFAIP3	0.52	Hs.591338	NM_006290.2	Tumor necrosis factor, alpha-induced protein 3
IL6	0.66	Hs.512234	NM_000600.1	Interleukin 6 (interferon, beta 2)
CYP1B1	0.69	Hs.154654	NM_000104.2	Cytochrome P450, family 1, subfamily B, polypeptide 1
CITED1	0.71	Hs.40403	NM_004143.2	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1
HSPA1A	0.72	Hs.405994	NM_005346.3	Heat shock 70kDa protein 1A
FTH1	0.73	Hs.524910	NM_002032.2	Ferritin, heavy polypeptide 1
CCL2	0.78	Hs.303649	NM_002982.3	Chemokine (C-C motif) ligand 2
GADD45A	0.80	Hs.80409	NM_001924.2	Growth arrest and DNA-damage-inducible, alpha
NK4 (IL23)	0.82	Hs. 943	NM_004221	Interleuin 32
SOD2	0.95	Hs.487046	NM_001024466.1	Superoxide dismutase 2, mitochondrial
CSF3	0.97	Hs.2233	NM_172220.1	Colony stimulating factor 3 (granulocyte)
BMPR1A	1.14	Hs.524477	NM_004329.	Bone morphogenetic protein receptor, type IA
IER3	1.17	Hs.591785	NM_003897.2	Immediate early response 3
MYST2	1.19	Hs.21907	NM_007067.3	MYST histone acetyltransferase 2
IL8	1.54	Hs.624	NM_000584.2	Interleukin 8
CHST1	1.60	Hs.104576	NM_003654.2	Carbohydrate (keratan sulfate Gal-6) sulfotransferase 1
CCL24	1.90	Hs.247838	NM_002991.2	Chemokine (C-C motif) ligand 24
UGT2B10	1.99	Hs.201634	NM_001075.2	UDP glucuronosyltransferase 2 family, polypeptide B10
MT1H	2.51	Hs.438462	NM_005951.1	Metallothionein 1H
MT1E	2.53	Hs.534330	NM_175617.3	Metallothionein 1E (functional)
MT1A	2.84	Hs.513626	NM_005946.2	Metallothionein 1A (functional)
UGT2B4	2.91	Hs.285887	NM_021139.1	UDP glucuronosyltransferase 2 family, polypeptide B4
SERPINB2	3.00	Hs.594481	NM_002575.1	Serpin peptidase inhibitor, clade B (ovalbumin), member 2
MT1G	3.09	Hs.433391	NM_005950.1	Metallothionein 1G
MT1L	3.21	Hs.647358	NM_002450	Metallothionein 1L (pseudogene)

BEAS-2B-cells downregulated genes

IRF7	-0.57	Hs. 166120	NM_004031	Interferon regulatory factor 7
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Jurkat-cells upregulated genes

Gene Name	Ratio	UniGene ID	Refseq ID	Description
MT1A	4.27	Hs.513626	NM_005946.2	Metallothionein 1A (functional)
MT1E	4.16	Hs.534330	NM_175617.3	Metallothionein 1E (functional)
MT1L	4.12	Hs.647358	NM_002450	Metallothionein 1L (pseudogene)
UGT2B4	3.83	Hs.285887	NM_021139.1	UDP glucuronosyltransferase 2 family, polypeptide B4
MT1G	3.81	Hs.433391	NM_005950.1	Metallothionein 1G
UGT2B10	2.09	Hs.201634	NM_001075.2	UDP glucuronosyltransferase 2 family, polypeptide B10
MT1H	2.02	Hs.438462	NM_005951.1	Metallothionein 1H
JUND	1.86	Hs.2780	NM_005354.3	Jun D proto-oncogene
HLA-F	1.46	Hs.519972	NM_018950	Major histocompatibility complex, class I, F
CHST1	1.45	Hs.104576	NM_003654.2	Carbohydrate (keratan sulfate Gal-6) sulfotransferase 1
DUSP2	1.39	Hs.1183	NM_004418.2	Dual specificity phosphatase 2
IER3	1.24	Hs.591785	NM_003897.2	Immediate early response 3
MYST2	1.04	Hs.21907	NM_007067.3	MYST histone acetyltransferase 2
TNFAIP3	1.02	Hs.591338	NM_006290.2	Tumor necrosis factor, alpha-induced protein 3
NFKB2	0.99	Hs.73090	NM_001077493.1	Nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)
HSPA6	0.97	Hs.3268	NM_002155	Heat shock 70kD protein 6 (HSP70B')
HSPA5	0.96	Hs.605502	NM_005347.2	Heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)
DUSP5	0.80	Hs.2128	NM_004419.3	Dual specificity phosphatase 5
HSPA1B	0.79	Hs.274402	NM_005346.3	Heat shock 70kDa protein 1B
TRAF4	0.76	Hs.8375	NM_145751.1	TNF receptor-associated factor 4
HLA-A	0.69	Hs.181244	NM_002116.5	Major histocompatibility complex, class I, A
GATA3	0.67	Hs.524134	NM_001002295.1	GATA binding protein 3
GSS	0.60	Hs.82327	NM_000178.2	Glutathione synthetase
TRA1	0.60	Hs.82689	NM_003299	Tumor rejection antigen (gp96) 1
ADAMDEC1	0.59	Hs.521459	NM_014479.2	ADAM-like, decysin 1
CD83	0.56	Hs.484703	NM_001040280.1	CD83 molecule
TNFRSF1A	0.52	Hs.279594	NM_001065.2	Tumor necrosis factor receptor superfamily, member 1A
CSF1	0.47	Hs.591402	NM_172212.1	Colony stimulating factor 1 (macrophage)
GADD45A	0.45	Hs.80409	NM_001924.2	Growth arrest and DNA-damage-inducible, alpha
CSF3	0.41	Hs.2233	NM_172219.1	Colony stimulating factor 3 (granulocyte)

Jurkat-cells downregulated genes

Gene Name	Ratio	UniGene ID	Refseq ID	Description
HMGCS1	-1.45	Hs. 397729	NM_002130	Hydroxymethylglutaryl-Coenzyme A Synthase 1
K-ALPHA-1	-0.86	Hs. 334842	NM_006082	Tubulin, alpha, ubiquitous

All gene information were available by UniGene

Legend: Ratio = dual logarithm of the Cy3/Cy5 intensity (mRNA from stimulated/unstimulated cells)

Stimulation: Indoor dust [500µg/ml for 6 h].