

Additional File 9. Common up-regulated genes in cells exposed to silver-NP-hydrogel for 24 h and 48 h. Fold-change is logarithmic ratio (\log_2 ratio) to expression level in control.

GeneName	Description	Fold-change (\log_2 ratio)(24h)	Fold-change (\log_2 ratio)(48h)
MT1F	Homo sapiens metallothionein 1F (MT1F), mRNA [NM_005949]	4.511	5.638
MT1A	Homo sapiens metallothionein 1A (MT1A), mRNA [NM_005946]	4.244	4.340
MT2A	Homo sapiens metallothionein 2A (MT2A), mRNA [NM_005953]	4.300	3.922
MT1B	Homo sapiens metallothionein 1B (MT1B), mRNA [NM_005947]	3.925	3.900
MT1G	Homo sapiens metallothionein 1G (MT1G), mRNA [NM_005950]	4.126	3.853
MT1H	Homo sapiens metallothionein 1H (MT1H), mRNA [NM_005951]	3.776	3.749
MT1X	Homo sapiens metallothionein 1X (MT1X), mRNA [NM_005952]	3.691	3.681
MT1JP	Homo sapiens MTB (MTB) mRNA, complete cds. [AF348994]	3.477	4.942
MT1L	Homo sapiens metallothionein 1L (gene/pseudogene) (MT1L), non-coding RNA [NR_001447]	3.651	3.160
GCNT3	Homo sapiens glucosaminyl (N-acetyl) transferase 3, mucin type (GCNT3), mRNA [NM_004751]	2.989	4.091
GPNMB	Homo sapiens glycoprotein (transmembrane) nmb, mRNA (cDNA clone IMAGE:3345861), [BC011595]	2.815	3.735
SPINK1	Homo sapiens serine peptidase inhibitor, Kazal type 1 (SPINK1), mRNA [NM_003122]	2.814	5.205
CCL26	Homo sapiens chemokine (C-C motif) ligand 26 (CCL26), mRNA [NM_006072]	2.881	2.802
KRT34	Homo sapiens keratin 34 (KRT34), mRNA [NM_021013]	2.554	3.699
SQSTM1	Human phosphotyrosine independent ligand p62B B-cell isoform for the Lck SH2 domain mRNA, [U46752]	2.817	2.539
MT1M	Homo sapiens metallothionein 1M (MT1M), mRNA [NM_176870]	3.854	2.513
LIPG	Homo sapiens lipase, endothelial (LIPG), mRNA [NM_006033]	2.477	2.748
HMOX1	Homo sapiens heme oxygenase (decycling) 1 (HMOX1), mRNA [NM_002133]	2.926	2.410
LY96	Homo sapiens lymphocyte antigen 96 (LY96), mRNA [NM_015364]	2.294	4.702
PCYT2	Homo sapiens phosphate cytidyltransferase 2, ethanolamine	2.325	2.278

	(PCYT2), mRNA [NM_002861]		
HKDC1	Homo sapiens hexokinase domain containing 1 (HKDC1), mRNA [NM_025130]	2.231	2.882
PPP1R15A	Homo sapiens protein phosphatase 1, regulatory (inhibitor) subunit 15A (PPP1R15A), mRNA [NM_014330]	2.229	2.478
ACSS2	Homo sapiens acyl-CoA synthetase short-chain family member 2 (ACSS2), mRNA [NM_018677]	2.225	2.411
MVD	Homo sapiens mevalonate (diphospho) decarboxylase (MVD), mRNA [NM_002461]	2.344	2.221
ARL4C	Homo sapiens ADP-ribosylation factor-like 4C (ARL4C), mRNA [NM_005737]	2.197	2.386
TM4SF19	Homo sapiens transmembrane 4 L six family member 19 (TM4SF19), mRNA [NM_138461]	2.167	3.783
PDE2A	Homo sapiens phosphodiesterase 2A, cGMP-stimulated (PDE2A), mRNA [NM_002599]	2.117	2.777
TM7SF2	Homo sapiens transmembrane 7 superfamily member 2 (TM7SF2), mRNA [NM_003273]	2.100	2.981
PLA2G3	Homo sapiens phospholipase A2, group III (PLA2G3), mRNA [NM_015715]	2.093	2.746
MT1E	Homo sapiens unknown mRNA. [AF495759]	2.471	2.087
IDI1	Homo sapiens isopentenyl-diphosphate delta isomerase 1 (IDI1), mRNA [NM_004508]	2.089	2.074
IFIT3	Homo sapiens interferon-induced protein with tetratricopeptide repeats 3 (IFIT3), mRNA [NM_001549]	2.058	3.378
UAP1L1	Homo sapiens UDP-N-acetylglucosamine pyrophosphorylase 1-like 1 (UAP1L1), mRNA [NM_207309]	2.020	2.148
HSPA6	Homo sapiens heat shock 70kDa protein 6 (HSP70B') (HSPA6), mRNA [NM_002155]	3.145	2.015
INSIG1	Homo sapiens insulin induced gene 1 (INSIG1), mRNA [NM_198336]	1.991	2.430
GDF15	Homo sapiens growth differentiation factor 15 (GDF15), mRNA [NM_004864]	1.936	3.111
MGC23284	Homo sapiens hypothetical LOC197187 (MGC23284), non-coding RNA [NR_024399]	1.894	2.685
TRIM16L	Homo sapiens tripartite motif-containing 16-like (TRIM16L), mRNA [NM_001037330]	2.058	1.885
FOLR3	Homo sapiens folate receptor 3 (gamma) (FOLR3), mRNA [NM_000804]	1.994	1.871
TMEM156	Homo sapiens transmembrane protein 156 (TMEM156), mRNA [NM_024943]	1.865	2.054
CTSD	Homo sapiens cathepsin D (CTSD), mRNA [NM_001909]	1.848	2.064
SPP1	Homo sapiens secreted phosphoprotein 1 (SPP1), mRNA [NM_001040058]	1.844	2.711

PSAP	Homo sapiens prosaposin (PSAP), mRNA [NM_001042465]	2.256	1.823
UPP1	Homo sapiens uridine phosphorylase 1 (UPP1),mRNA [NM_181597]	1.819	2.022
TOM1	Homo sapiens target of myb1 (chicken) (TOM1), mRNA [NM_005488]	1.995	1.817
DUSP5	Homo sapiens dual specificity phosphatase 5 (DUSP5), mRNA [NM_004419]	1.806	2.599
TBC1D2	Homo sapiens TBC1 domain family, member 2 (TBC1D2), mRNA [NM_018421]	1.826	1.778
AMDHD2	Homo sapiens amidohydrolase domain containing 2 (AMDHD2), mRNA [NM_015944]	2.377	1.757
IGFN1	Homo sapiens immunoglobulin-like and fibronectin type III domain containing 1 (IGFN1), mRNA [NM_178275]	1.736	1.759
SLC12A8	Homo sapiens solute carrier family 12, member 8 (SLC12A8), mRNA [NM_024628]	2.177	1.719
GNPDA1	Homo sapiens glucosamine-6-phosphate deaminase 1 (GNPDA1), mRNA [NM_005471]	1.967	1.705
MVK	Homo sapiens mevalonate kinase (MVK),mRNA [NM_000431]	1.790	1.702
POR	Homo sapiens P450 (cytochrome) oxidoreductase (POR), mRNA [NM_000941]	2.073	1.691
GREB1	Homo sapiens GREB1 protein (GREB1),mRNA [NM_148903]	1.943	1.684
GPR175	Homo sapiens G protein-coupled receptor 175 (GPR175), mRNA [NM_016372]	1.679	1.789
CLEC2B	Homo sapiens C-type lectin domain family 2, member B (CLEC2B), mRNA [NM_005127]	1.662	3.039
TMEM144	Homo sapiens transmembrane protein 144 (TMEM144), mRNA [NM_018342]	1.654	1.713
NEU1	Homo sapiens sialidase 1 (lysosomal sialidase) (NEU1), mRNA [NM_000434]	1.650	1.953
G6PD	Homo sapiens glucose-6-phosphate dehydrogenase (G6PD), mRNA [NM_000402]	1.992	1.648
C1S	Homo sapiens complement component 1, s subcomponent (C1S), mRNA [NM_001734]	1.639	2.858
SPANXD	Homo sapiens SPANX family, member D (SPANXD), mRNA [NM_032417]	1.634	2.988
CSF2RA	Homo sapiens colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage) (CSF2RA),mRNA [NM_172247]	1.618	1.949
F2RL2	Homo sapiens coagulation factor II (thrombin) receptor-like 2 (F2RL2), mRNA [NM_004101]	1.613	2.308
PSG9	Homo sapiens pregnancy specific beta-1-glycoprotein 9 (PSG9), mRNA [NM_002784]	1.611	3.295

IL6R	Homo sapiens interleukin 6 receptor (IL6R),mRNA [NM_000565]	1.599	2.146
SH2D5	Homo sapiens SH2 domain containing 5 (SH2D5), mRNA [NM_001103161]	1.599	3.394
FDFT1	Homo sapiens farnesyl-diphosphate farnesyltransferase 1 (FDFT1), mRNA [NM_004462]	1.574	1.756
ALDOC	Homo sapiens aldolase C, fructose-bisphosphate (ALDOC), mRNA [NM_005165]	1.564	2.475
INPPL1	Homo sapiens inositol polyphosphate phosphatase-like 1 (INPPL1), mRNA [NM_001567]	2.439	1.560
IFI35	Homo sapiens interferon-induced protein 35 (IFI35), mRNA [NM_005533]	1.711	1.547
CPA4	Homo sapiens carboxypeptidase A4 (CPA4), mRNA [NM_016352]	2.145	1.542
LSS	Homo sapiens lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase) (LSS), mRNA [NM_001001438]	1.540	1.953
DDIT3	Homo sapiens DNA-damage-inducible transcript 3 (DDIT3), mRNA [NM_004083]	1.527	2.174
CYP51A1	Homo sapiens cytochrome P450, family 51, subfamily A, polypeptide 1 (CYP51A1), mRNA [NM_000786]	2.056	1.520
GEM	Homo sapiens GTP binding protein overexpressed in skeletal muscle (GEM), mRNA [NM_005261]	1.516	1.571
NUPR1	Homo sapiens nuclear protein 1 (NUPR1),mRNA [NM_001042483]	1.511	1.552
RHEBL1	Homo sapiens Ras homolog enriched in brain like 1 (RHEBL1), mRNA [NM_144593]	1.940	1.510
ANKRD1	Homo sapiens ankyrin repeat domain 1 (cardiac muscle) (ANKRD1), mRNA [NM_014391]	1.962	1.503
CDKN1A	Homo sapiens cyclin-dependent kinase inhibitor 1A (p21, Cip1) (CDKN1A), mRNA [NM_000389]	1.646	1.502
OSGIN1	Homo sapiens oxidative stress induced growth inhibitor 1 (OSGIN1), mRNA [NM_013370]	1.501	2.488
BLVRB	Homo sapiens biliverdin reductase B (flavin reductase (NADPH)) (BLVRB), mRNA [NM_000713]	1.524	1.500
CLCN7	Homo sapiens chloride channel 7 (CLCN7), mRNA [NM_001287]	2.021	1.492
TNFSF9	Homo sapiens tumor necrosis factor (ligand) superfamily, member 9 (TNFSF9), mRNA [NM_003811]	2.177	1.488
HS1BP3	Homo sapiens HCLS1 binding protein 3, mRNA (cDNA clone IMAGE:5207261), [BC027947]	1.485	2.233
FABP3	Homo sapiens fatty acid binding protein 3, (FABP3), mRNA [NM_004102]	1.483	1.879
AGTRAP	Homo sapiens angiotensin II receptor-associated protein	1.464	1.538

	(AGTRAP), mRNA [NM_001040196]		
SPANXA1	Homo sapiens sperm protein associated with the nucleus, X-linked, family member A1 (SPANXA1), mRNA [NM_013453]	1.460	2.579
FTL	Homo sapiens ferritin, light polypeptide (FTL), mRNA [NM_000146]	1.457	1.904
GSR	Homo sapiens glutathione reductase (GSR), mRNA [NM_000637]	1.904	1.444
SLC25A1	Homo sapiens solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1 (SLC25A1), mRNA [NM_005984]	1.434	1.475
FDPSL2A	Homo sapiens MGC44478 (FDPSL2A), non-coding RNA [NR_003262]	1.707	1.425
ORAI3	Homo sapiens ORAI calcium release-activated calcium modulator 3 (ORAI3), mRNA [NM_152288]	1.424	1.797
TMEM97	Homo sapiens transmembrane protein 97 (TMEM97), mRNA [NM_014573]	1.948	1.422
SPANXB2	Homo sapiens SPANX family, member B2 (SPANXB2), mRNA [NM_145664]	1.410	2.828
NOXO1	Homo sapiens NADPH oxidase organizer 1 (NOXO1), mRNA [NM_144603]	1.405	1.676
HSD17B7	Homo sapiens hydroxysteroid (17-beta) dehydrogenase 7 (HSD17B7), mRNA [NM_016371]	1.555	1.393
WDR66	Homo sapiens WD repeat domain 66 (WDR66), mRNA [NM_144668]	1.384	2.851
PGD	Homo sapiens phosphogluconate dehydrogenase (PGD), mRNA [NM_002631]	2.081	1.381
LOC100129113	Homo sapiens cDNA FLJ37158 fis, clone BRACE2026293. [AK094477]	2.316	1.375
PHLDA3	Homo sapiens pleckstrin homology-like domain, family A, member 3 (PHLDA3), mRNA [NM_012396]	1.592	1.373
AGPAT2	Homo sapiens 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta) (AGPAT2), mRNA [NM_006412]	2.000	1.368
CLDN4	Homo sapiens claudin 4 (CLDN4), mRNA [NM_001305]	1.885	1.362
SV2A	Homo sapiens synaptic vesicle glycoprotein 2A (SV2A), mRNA [NM_014849]	1.360	1.464
PPM2C	Homo sapiens protein phosphatase 2C, magnesium-dependent, catalytic subunit (PPM2C), mRNA [NM_018444]	1.899	1.357
SLC16A6	Homo sapiens solute carrier family 16, member 6 (monocarboxylic acid transporter 7) (SLC16A6), mRNA [NM_004694]	1.351	1.782
LOC284344	Homo sapiens cDNA FLJ40353 fis, clone TESTI2033520,	1.345	3.220

	weakly similar to Biliary Glycoprotein 1 Precursor. [AK097672]		
TRIML2	Homo sapiens tripartite motif family-like 2 (TRIML2), mRNA [NM_173553]	1.344	2.343
PSG1	Homo sapiens pregnancy specific beta-1-glycoprotein 1 (PSG1), mRNA [NM_006905]	1.340	2.820
C6orf223	Homo sapiens chromosome 6 open reading frame 223 (C6orf223), mRNA [NM_153246]	1.333	1.701
LOC344887	Homo sapiens mRNA; cDNA DKFZp686B14224 (from clone DKFZp686B14224). [BX640843]	1.331	2.171
PPAP2C	Homo sapiens phosphatidic acid phosphatase type 2C (PPAP2C), mRNA [NM_177543]	1.566	1.327
NPC1	Homo sapiens Niemann-Pick disease, type C1 (NPC1), mRNA [NM_000271]	1.321	1.379
SLC2A6	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 6 (SLC2A6), mRNA [NM_017585]	1.847	1.321
CPN2	Homo sapiens carboxypeptidase N, polypeptide 2 (CPN2), mRNA [NM_001080513]	1.320	1.646
KIFC3	Homo sapiens kinesin family member C3 (KIFC3), mRNA [NM_005550]	2.513	1.318
VCX2	Homo sapiens variable charge, X-linked 2 (VCX2), mRNA [NM_016378]	1.318	1.399
ALDOA	Homo sapiens aldolase A, fructose-bisphosphate (ALDOA), mRNA [NM_184041]	1.382	1.317
C6orf1	Homo sapiens chromosome 6 open reading frame 1 (C6orf1), mRNA [NM_178508]	1.310	1.843
KIAA1486	Homo sapiens KIAA1486 protein (KIAA1486), mRNA [NM_020864]	1.297	1.839
MAFF	Homo sapiens v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian) (MAFF), mRNA [NM_012323]	1.377	1.296
SNX8	Homo sapiens sorting nexin 8 (SNX8), mRNA [NM_013321]	1.305	1.296
HSD17B7P2	Homo sapiens 17-beta-hydroxysteroid dehydrogenase type VII isoform mRNA, [AF165514]	1.403	1.293
CASP1	Homo sapiens caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase) (CASP1),mRNA [NM_033292]	1.291	3.273
GADD45A	Homo sapiens growth arrest and DNA-damage-inducible, alpha (GADD45A), mRNA [NM_001924]	1.290	1.318
S100P	Homo sapiens S100 calcium binding protein P (S100P), mRNA [NM_005980]	1.290	1.841
CTSL1	Homo sapiens cathepsin L1 (CTSL1), mRNA [NM_001912]	1.287	2.085
FTH1	Homo sapiens ferritin, heavy polypeptide 1 (FTH1), mRNA [NM_002032]	1.666	1.286

NCRNA00087	Homo sapiens non-protein coding RNA 87 (NCRNA00087), non-coding RNA [NR_024493]	1.284	2.014
MCOLN1	Homo sapiens mucolipin 1 (MCOLN1), mRNA [NM_020533]	1.698	1.282
STXBP1	Homo sapiens syntaxin binding protein 1 (STXBP1), mRNA [NM_001032221]	1.280	1.530
RAP1GAP	Homo sapiens RAP1 GTPase activating protein (RAP1GAP), mRNA [NM_002885]	1.272	2.434
SLC17A5	Homo sapiens solute carrier family 17 (anion/sugar transporter), member 5 (SLC17A5), mRNA [NM_012434]	1.269	1.622
TXNRD1	Homo sapiens thioredoxin reductase 1 (TXNRD1), mRNA [NM_003330]	2.455	1.269
ATF3	Homo sapiens activating transcription factor 3 (ATF3), mRNA [NM_001040619]	1.302	1.266
DOK7	Homo sapiens docking protein 7 (DOK7), mRNA [NM_173660]	1.265	1.550
NPB	Homo sapiens cDNA clone IMAGE:5019903, [BC073815]	1.265	1.671
GGT8P	Homo sapiens gamma-glutamyltransferase 8 pseudogene (GGT8P), non-coding RNA [NR_003503]	1.815	1.261
NAV3	Homo sapiens neuron navigator 3 (NAV3), mRNA [NM_014903]	1.260	1.554
MYO16	Homo sapiens myosin XVI (MYO16), mRNA [NM_015011]	1.256	2.458
ALDH1B1	Homo sapiens aldehyde dehydrogenase 1 family, member B1 (ALDH1B1), mRNA [NM_000692]	1.251	1.411
ACLY	Human ATP:citrate lyase mRNA, complete cds. [U18197]	1.907	1.247
IDH1	Homo sapiens isocitrate dehydrogenase 1 (NADP+), soluble (IDH1), mRNA [NM_005896]	1.568	1.244
IL1A	Homo sapiens interleukin 1, alpha (IL1A), mRNA [NM_000575]	1.244	2.761
RASA3	Homo sapiens mRNA for Ins(1,3,4,5)P4-binding protein. [X89399]	1.854	1.234
RAB7L1	Homo sapiens RAB7, member RAS oncogene family-like 1 (RAB7L1), mRNA [NM_003929]	1.315	1.233
KIF26A	Homo sapiens kinesin family member 26A (KIF26A), mRNA [NM_015656]	1.543	1.229
SH3TC1	Homo sapiens SH3 domain and tetratricopeptide repeats 1 (SH3TC1), mRNA [NM_018986]	1.228	1.599
GBA	Homo sapiens glucosidase, beta; acid (includes glucosylceramidase) (GBA), mRNA [NM_001005749]	1.412	1.226
PSG11	Homo sapiens pregnancy specific beta-1-glycoprotein 11 (PSG11), mRNA [NM_002785]	1.224	1.479
C7orf57	Homo sapiens chromosome 7 open reading frame 57 (C7orf57), mRNA [NM_001100159]	1.588	1.221

LAMA1	Homo sapiens laminin, alpha 1 (LAMA1), mRNA [NM_005559]	1.498	1.221
FASN	Homo sapiens fatty acid synthase (FASN), mRNA [NM_004104]	1.694	1.220
C19orf20	Homo sapiens chromosome 19 open reading frame 20 (C19orf20), mRNA [NM_033513]	1.218	1.262
RRAGC	Homo sapiens Ras-related GTP binding C (RRAGC), mRNA [NM_022157]	1.217	1.453
ATP6V1B2	Homo sapiens ATPase, H ⁺ transporting, lysosomal, V1 subunit B2 (ATP6V1B2), mRNA [NM_001693]	1.216	1.345
RHOB	Homo sapiens ras homolog gene family, member B (RHOB), mRNA [NM_004040]	1.216	1.654
GAPDH	Homo sapiens glyceraldehyde-3-phosphate dehydrogenase (GAPDH), mRNA [NM_002046]	1.869	1.215
RRAGD	Homo sapiens Ras-related GTP binding D (RRAGD), mRNA [NM_021244]	2.488	1.215
COMMD7	Homo sapiens COMM domain containing 7 (COMMD7), mRNA [NM_053041]	1.214	1.273
PSG6	Homo sapiens pregnancy specific beta-1-glycoprotein 6 (PSG6), transcript variant 1, mRNA [NM_002782]	1.209	3.438
FOLR1	Homo sapiens folate receptor 1 (adult) (FOLR1), mRNA [NM_016725]	1.204	2.980
MMAB	Homo sapiens methylmalonic aciduria (cobalamin deficiency) cblB type (MMAB), mRNA [NM_052845]	1.303	1.203
B4GALNT1	Homo sapiens beta-1,4-N-acetyl-galactosaminyl transferase 1 (B4GALNT1), mRNA [NM_001478]	1.203	1.466
IL17RC	Homo sapiens interleukin 17 receptor C (IL17RC), mRNA [NM_153461]	1.688	1.199
FADS2	Homo sapiens fatty acid desaturase 2 (FADS2), mRNA [NM_004265]	1.195	1.599
SLC30A1	Homo sapiens solute carrier family 30 (zinc transporter), member 1 (SLC30A1), mRNA [NM_021194]	1.194	2.076
CPEB1	Homo sapiens cytoplasmic polyadenylation element binding protein 1 (CPEB1), mRNA [NM_030594]	1.193	2.092
EPS8	Homo sapiens epidermal growth factor receptor pathway substrate 8 (EPS8), mRNA [NM_004447]	1.192	1.298
HMGCS1	Homo sapiens 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble) (HMGCS1), mRNA [NM_002130]	2.061	1.192
FADS3	Homo sapiens fatty acid desaturase 3 (FADS3), mRNA [NM_021727]	1.440	1.186
HYAL1	Homo sapiens hyaluronoglucosaminidase 1 (HYAL1), mRNA [NM_007312]	1.288	1.184
FSTL3	Homo sapiens follistatin-like 3 (secreted glycoprotein) (FSTL3), mRNA [NM_005860]	1.218	1.183

STARD4	Homo sapiens StAR-related lipid transfer (START) domain containing 4 (STARD4), mRNA [NM_139164]	1.182	1.595
C1orf201	Homo sapiens chromosome 1 open reading frame 201 (C1orf201), mRNA [NM_178122]	1.181	1.672
HABP4	Homo sapiens hyaluronan binding protein 4 (HABP4), mRNA [NM_014282]	1.824	1.181
SRXN1	Homo sapiens sulfiredoxin 1 homolog (S. cerevisiae) (SRXN1), mRNA [NM_080725]	1.181	1.392
EPGN	Homo sapiens epithelial mitogen homolog (mouse) (EPGN), mRNA [NM_001013442]	1.365	1.179
LRRC61	Homo sapiens leucine rich repeat containing 61 (LRRC61), mRNA [NM_023942]	1.176	1.253
FAIM3	Homo sapiens Fas apoptotic inhibitory molecule 3 (FAIM3), mRNA [NM_005449]	1.174	2.278
MAPKAPK3	Homo sapiens mitogen-activated protein kinase-activated protein kinase 3 (MAPKAPK3), mRNA [NM_004635]	1.174	1.334
FAM46B	Homo sapiens family with sequence similarity 46, member B (FAM46B), mRNA [NM_052943]	1.505	1.173
IFIT2	Homo sapiens interferon-induced protein with tetratricopeptide repeats 2 (IFIT2), mRNA [NM_001547]	1.172	3.467
DTNA	Homo sapiens dystrobrevin, alpha (DTNA), mRNA [NM_001392]	1.169	2.463
TNIP1	Homo sapiens TNFAIP3 interacting protein 1 (TNIP1), mRNA [NM_006058]	1.163	1.346
BEX2	Homo sapiens brain expressed X-linked 2 (BEX2), mRNA [NM_032621]	1.157	1.875
PLEKHM2	Homo sapiens pleckstrin homology domain containing, family M (with RUN domain) member 2 (PLEKHM2), mRNA [NM_015164]	1.908	1.157
METTL7B	Homo sapiens methyltransferase like 7B (METTL7B), mRNA [NM_152637]	1.153	1.549
RAB4B	Homo sapiens RAB4B, member RAS oncogene family (RAB4B), mRNA [NM_016154]	1.651	1.152
CLIC2	Homo sapiens chloride intracellular channel 2 (CLIC2), mRNA [NM_001289]	1.150	1.443
NAPA	Homo sapiens N-ethylmaleimide-sensitive factor attachment protein, alpha (NAPA), mRNA [NM_003827]	1.422	1.148
LDLR	Homo sapiens low density lipoprotein receptor (LDLR), mRNA [NM_000527]	1.944	1.144
TOX3	Homo sapiens TOX high mobility group box family member 3 (TOX3), mRNA [NM_001080430]	1.142	1.890
YIF1B	Homo sapiens Yip1 interacting factor homolog B (S. cerevisiae) (YIF1B), transcript variant 2, mRNA [NM_033557]	1.258	1.140

CRAT	Homo sapiens carnitine acetyltransferase (CRAT),mRNA [NM_000755]	1.138	1.146
SLC7A11	Homo sapiens solute carrier family 7, (cationic amino acid transporter, y+ system) member 11 (SLC7A11), mRNA [NM_014331]	1.787	1.137
CD180	Homo sapiens CD180 molecule (CD180), mRNA [NM_005582]	1.136	1.451
C1orf85	Homo sapiens chromosome 1 open reading frame 85 (C1orf85), mRNA [NM_144580]	1.127	1.864
TAPBPL	Homo sapiens TAP binding protein-like (TAPBPL), mRNA [NM_018009]	1.122	1.303
CARD16	Homo sapiens caspase recruitment domain family, member 16 (CARD16), mRNA [NM_001017534]	1.117	1.387
GAS6	Homo sapiens growth arrest-specific 6 (GAS6), mRNA [NM_000820]	2.560	1.117
TMEM55B	Homo sapiens transmembrane protein 55B (TMEM55B), mRNA [NM_144568]	1.888	1.116
SEMA3F	Homo sapiens sema domain, immunoglobulin domain , short basic domain, (semaphorin) 3F (SEMA3F), mRNA [NM_004186]	1.210	1.115
FDPS	Homo sapiens farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltranstransferase, geranyltranstransferase) (FDPS), mRNA [NM_002004]	1.114	1.146
NQO2	Homo sapiens NAD(P)H dehydrogenase, quinone 2 (NQO2), mRNA [NM_000904]	1.114	1.243
RCOR2	Homo sapiens REST corepressor 2 (RCOR2), mRNA [NM_173587]	1.114	1.670
DHRS9	Homo sapiens dehydrogenase/reductase (SDR family) member 9 (DHRS9), mRNA [NM_005771]	1.111	1.830
TMEM161A	Homo sapiens transmembrane protein 161A (TMEM161A), mRNA [NM_017814]	1.369	1.110
KIAA0415	Homo sapiens KIAA0415 (KIAA0415), mRNA [NM_014855]	1.713	1.103
RAG1AP1	Homo sapiens recombination activating gene 1 activating protein 1 (RAG1AP1), mRNA [NM_018845]	1.650	1.102
NDRG1	Homo sapiens N-myc downstream regulated 1 (NDRG1), mRNA [NM_006096]	1.098	1.491
CEBPB	Homo sapiens CCAAT/enhancer binding protein (C/EBP), beta (CEBPB), mRNA [NM_005194]	1.343	1.098
ATP6AP1	Homo sapiens ATPase, H+ transporting, lysosomal accessory protein 1 (ATP6AP1), mRNA [NM_001183]	1.188	1.095
VAT1	Homo sapiens vesicle amine transport protein 1 homolog (T. californica) (VAT1), mRNA [NM_006373]	1.095	1.708
CYP4F11	Homo sapiens cytochrome P450, family 4, subfamily F,	1.461	1.094

	polypeptide 11 (CYP4F11), mRNA [NM_021187]		
TSC22D3	Homo sapiens TSC22 domain family, member 3 (TSC22D3), mRNA [NM_004089]	1.358	1.094
HRK	Homo sapiens harakiri, BCL2 interacting protein (contains only BH3 domain) (HRK), mRNA [NM_003806]	1.093	1.953
MAP2K2	Homo sapiens mitogen-activated protein kinase kinase 2 (MAP2K2), mRNA [NM_030662]	1.950	1.091
POTEF	Homo sapiens POTE ankyrin domain family, member F (POTEF), mRNA [NM_001099771]	2.276	1.089
FLCN	Homo sapiens mRNA; cDNA DKFZp547A118 (from clone DKFZp547A118). [AL831885]	1.087	1.594
CDIPT	Homo sapiens CDP-diacylglycerol--inositol 3-phosphatidyltransferase (CDIPT), mRNA [NM_006319]	2.129	1.085
GRAMD1A	Homo sapiens GRAM domain containing 1A (GRAMD1A), mRNA [NM_020895]	1.362	1.085
PTPRR	Homo sapiens protein tyrosine phosphatase, receptor type, R (PTPRR), mRNA [NM_002849]	1.085	3.828
SLC39A1	Homo sapiens solute carrier family 39 (zinc transporter), member 1 (SLC39A1), mRNA [NM_014437]	1.861	1.084
SERPINE1	Homo sapiens serpin peptidase inhibitor, clade E member 1 (SERPINE1), mRNA [NM_000602]	1.766	1.082
ABHD3	Homo sapiens abhydrolase domain containing 3 (ABHD3), mRNA [NM_138340]	1.360	1.081
MGAT4B	Homo sapiens mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme B (MGAT4B), mRNA [NM_054013]	2.268	1.081
FNIP2	Homo sapiens folliculin interacting protein 2 (FNIP2), mRNA [NM_020840]	1.080	1.556
PLEKHG1	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 1 (PLEKHG1), mRNA [NM_001029884]	1.072	1.301
LPIN1	Homo sapiens lipin 1 (LPIN1), mRNA [NM_145693]	1.533	1.070
TNFRSF14	Homo sapiens tumor necrosis factor receptor superfamily, member 14 (TNFRSF14), mRNA [NM_003820]	1.069	2.261
HIF1AN	Homo sapiens hypoxia inducible factor 1, alpha subunit inhibitor (HIF1AN), mRNA [NM_017902]	1.107	1.068
GGTLC2	Homo sapiens gamma-glutamyltransferase light chain 2 (GGTLC2), mRNA [NM_199127]	1.067	1.121
LPAR5	Homo sapiens lysophosphatidic acid receptor 5 (LPAR5), mRNA [NM_020400]	1.065	1.197
UST	Homo sapiens uronyl-2-sulfotransferase (UST), mRNA [NM_005715]	1.065	1.246
DUSP10	Homo sapiens dual specificity phosphatase 10 (DUSP10), mRNA [NM_007207]	1.230	1.064

NOV	Homo sapiens nephroblastoma overexpressed gene (NOV), mRNA [NM_002514]	1.057	2.021
ZBTB41	Homo sapiens zinc finger and BTB domain containing 41 (ZBTB41), mRNA [NM_194314]	1.056	1.196
GPR115	Homo sapiens G protein-coupled receptor 115 (GPR115), mRNA [NM_153838]	1.055	1.267
SULT1A1	Homo sapiens sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1 (SULT1A1), mRNA [NM_177529]	1.138	1.055
SOCS3	Homo sapiens suppressor of cytokine signaling 3 (SOCS3), mRNA [NM_003955]	1.140	1.053
MED16	Homo sapiens mediator complex subunit 16 (MED16), mRNA [NM_005481]	1.253	1.049
CTSA	Homo sapiens cathepsin A (CTSA), mRNA [NM_000308]	1.284	1.046
TAPBP	Homo sapiens TAP binding protein (tapasin) (TAPBP), mRNA [NM_172208]	1.042	1.109
GALE	Homo sapiens UDP-galactose-4-epimerase (GALE), mRNA [NM_000403]	1.655	1.041
CDC25B	Homo sapiens cell division cycle 25 homolog B (S. pombe) (CDC25B), mRNA [NM_021873]	1.222	1.040
SDSL	Homo sapiens serine dehydratase-like (SDSL), mRNA [NM_138432]	1.040	1.418
ENO1	Homo sapiens enolase 1, (alpha) (ENO1), mRNA [NM_001428]	1.349	1.039
TMBIM1	Homo sapiens transmembrane BAX inhibitor motif containing 1 (TMBIM1), mRNA [NM_022152]	1.328	1.038
TNFAIP8L3	Homo sapiens tumor necrosis factor, alpha-induced protein 8-like 3 (TNFAIP8L3), mRNA [NM_207381]	1.195	1.038
C6orf145	Homo sapiens chromosome 6 open reading frame 145 (C6orf145), mRNA [NM_183373]	1.121	1.037
MMP15	Homo sapiens matrix metalloproteinase 15 (membrane-inserted) (MMP15), mRNA [NM_002428]	1.037	1.209
SIRT6	Homo sapiens sirtuin (silent mating type information regulation 2 homolog) 6 (S. cerevisiae) (SIRT6), mRNA [NM_016539]	1.159	1.037
RPUSD3	Homo sapiens RNA pseudouridylate synthase domain containing 3 (RPUSD3), mRNA [NM_173659]	1.036	1.122
IL8	Homo sapiens interleukin 8 (IL8), mRNA [NM_000584]	1.450	1.035
ASAH1	Homo sapiens cDNA: FLJ21558 fis, clone COL06372. [AK025211]	1.034	1.439
CD276	Homo sapiens CD276 molecule (CD276), mRNA [NM_001024736]	1.058	1.033
HMGCR	Homo sapiens 3-hydroxy-3-methylglutaryl-Coenzyme A reductase (HMGCR), mRNA [NM_000859]	1.030	1.674

ATG2A	Homo sapiens ATG2 autophagy related 2 homolog A (S. cerevisiae) (ATG2A), mRNA [NM_015104]	1.751	1.027
CTNS	Homo sapiens cystinosis, nephropathic (CTNS), transcript variant 2, mRNA [NM_004937]	1.024	1.277
C10orf58	Homo sapiens chromosome 10 open reading frame 58 (C10orf58), mRNA [NM_032333]	1.023	1.716
GIPC1	Homo sapiens GIPC PDZ domain containing family, member 1 (GIPC1), mRNA [NM_005716]	1.938	1.023
GRINA	Homo sapiens glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding) (GRINA), mRNA [NM_000837]	1.022	1.476
LOC407835	Homo sapiens mitogen-activated protein kinase kinase 2 pseudogene (LOC407835), non-coding RNA [NR_002144]	2.185	1.020
ZFPL1	Homo sapiens zinc finger protein-like 1 (ZFPL1), mRNA [NM_006782]	1.353	1.018
SPNS1	Homo sapiens spinster homolog 1 (Drosophila) (SPNS1), mRNA [NM_032038]	1.765	1.017
PLCL1	Homo sapiens phospholipase C-like 1 (PLCL1), mRNA [NM_006226]	1.010	1.114
COX1	Cytochrome c oxidase subunit 1 (EC 1.9.3.1)(Cytochrome c oxidase polypeptide I) [Source:UniProtKB/ Swiss-Prot; Acc:P00395] [ENST00000361624]	1.008	1.087
GPC1	Homo sapiens glypican 1 (GPC1), mRNA [NM_002081]	1.705	1.008
CORO1B	Homo sapiens coronin, actin binding protein, 1B (CORO1B), mRNA [NM_020441]	1.004	1.216
PDK4	Homo sapiens pyruvate dehydrogenase kinase, isozyme 4 (PDK4), mRNA [NM_002612]	1.004	1.685
CTRB2	Homo sapiens chymotrypsinogen B2 (CTRB2), mRNA [NM_001025200]	1.021	1.002
UBTD1	Homo sapiens ubiquitin domain containing 1 (UBTD1), mRNA [NM_024954]	1.415	1.001
CBX4	Homo sapiens chromobox homolog 4 (Pc class homolog, Drosophila) (CBX4), mRNA [NM_003655]	1.179	1.000