

SUPPLEMENTARY TABLES

Supplementary Table 1. MCF-7/pLKO genes with expression significantly altered by 2-fold or greater in response β -estradiol.

Gene	Fold Δ^1	Description and Genbank Accession
RASGRP1	30.4	Homo sapiens RAS guanyl releasing protein 1 (calcium and DAG-regulated) (RASGRP1), transcript variant 1, mRNA [NM_005739]
GREB1	28.8	Homo sapiens growth regulation by estrogen in breast cancer 1 (GREB1), transcript variant a, mRNA [NM_014668]
GPR68	23.1	Homo sapiens G protein-coupled receptor 68 (GPR68), mRNA [NM_003485]
CXCL12	21.8	Homo sapiens chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1) (CXCL12), transcript variant 1, mRNA [NM_199168]
EGR3	19.5	Homo sapiens early growth response 3 (EGR3), mRNA [NM_004430]
CYP1B1	14.5	Homo sapiens cytochrome P450, family 1, subfamily B, polypeptide 1 (CYP1B1), mRNA [NM_000104]
CXCL12	11.4	Homo sapiens chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1) (CXCL12), transcript variant 2, mRNA [NM_000609]
MPPED2	11.3	Homo sapiens metallophosphoesterase domain containing 2 (MPPED2), transcript variant 1, mRNA [NM_001584]
AMZ1	11.2	Homo sapiens archaelysin family metallopeptidase 1 (AMZ1), mRNA [NM_133463]
CYP1B1	10.3	Homo sapiens cytochrome P450, family 1, subfamily B, polypeptide 1 (CYP1B1), mRNA [NM_000104]
GREB1	10.0	Homo sapiens growth regulation by estrogen in breast cancer 1 (GREB1), transcript variant c, mRNA [NM_148903]
CYP1A1	10.0	Homo sapiens cytochrome P450, family 1, subfamily A, polypeptide 1 (CYP1A1), mRNA [NM_000499]
MYC	9.7	Homo sapiens v-myc myelocytomatosis viral oncogene homolog (avian) (MYC), mRNA [NM_002467]
FOS	9.6	Homo sapiens FBJ murine osteosarcoma viral oncogene homolog (FOS), mRNA [NM_005252]
TSKU	9.3	Homo sapiens tsukushin (TSKU), mRNA [NM_015516]
SGK3	8.7	Homo sapiens serum/glucocorticoid regulated kinase family, member 3 (SGK3), transcript variant 1, mRNA [NM_013257]
HSPB8	7.4	Homo sapiens heat shock 22kDa protein 8 (HSPB8), mRNA [NM_014365]
KCNK5	7.0	Homo sapiens potassium channel, subfamily K, member 5 (KCNK5), mRNA [NM_003740]
MYBL1	6.6	Homo sapiens v-myb myeloblastosis viral oncogene homolog (avian)-like 1 (MYBL1), transcript variant 1, mRNA [NM_001080416]
SLC26A2	6.4	Homo sapiens solute carrier family 26 (sulfate transporter), member 2 (SLC26A2), mRNA [NM_000112]
TAF4B	6.2	Homo sapiens TAF4b RNA polymerase II, TATA box binding protein (TBP)-associated factor, 105kDa (TAF4B), mRNA [NM_005640]
NOS1AP	6.1	Homo sapiens nitric oxide synthase 1 (neuronal) adaptor protein (NOS1AP), transcript variant 1, mRNA [NM_014697]
MYB	6.0	Homo sapiens v-myb myeloblastosis viral oncogene homolog (avian) (MYB), transcript variant 2, mRNA [NM_005375]
AEN	5.8	Homo sapiens apoptosis enhancing nuclease (AEN), mRNA [NM_022767]
CA12	5.8	Homo sapiens carbonic anhydrase XII (CA12), transcript variant 1, mRNA [NM_001218]
SLC7A5	5.8	Homo sapiens solute carrier family 7 (cationic amino acid transporter, y+ system), member 5 (SLC7A5), mRNA [NM_003486]
PIGW	5.6	Homo sapiens phosphatidylinositol glycan anchor biosynthesis, class W (PIGW), mRNA [NM_178517]
ADAT2	5.5	Homo sapiens adenosine deaminase, tRNA-specific 2, TAD2 homolog (<i>S. cerevisiae</i>) (ADAT2), mRNA [NM_182503]
SVIL	5.4	Homo sapiens supervillin (SVIL), transcript variant 2, mRNA [NM_021738]
RBM24	5.3	Homo sapiens RNA binding motif protein 24 (RBM24), transcript variant 2, mRNA [NM_153020]
PRDM12	5.3	Homo sapiens PR domain containing 12 (PRDM12), mRNA [NM_021619]
IRS1	5.2	Homo sapiens insulin receptor substrate 1 (IRS1), mRNA [NM_005544]
IL6ST	5.2	Homo sapiens interleukin 6 signal transducer (gp130, oncostatin M receptor) (IL6ST), transcript variant 2, mRNA [NM_175767]
PLCB2	5.2	Homo sapiens phospholipase C, beta 2 (PLCB2), mRNA [NM_004573]

NUDCD1	5.2	Homo sapiens NudC domain containing 1 (NUDCD1), transcript variant 1, mRNA [NM_032869]
C1QTNF6	5.1	Homo sapiens C1q and tumor necrosis factor related protein 6 (C1QTNF6), transcript variant 1, mRNA [NM_031910]
TNPO1	5.1	Homo sapiens transportin 1 (TNPO1), transcript variant 1, mRNA [NM_002270]
SLC14A1	4.9	Homo sapiens solute carrier family 14 (urea transporter), member 1 (Kidd blood group) (SLC14A1), transcript variant 4, mRNA [NM_001146037]
WDR36	4.9	Homo sapiens WD repeat domain 36 (WDR36), mRNA [NM_139281]
NRAP	4.9	Homo sapiens nebulin-related anchoring protein (NRAP), transcript variant 2, mRNA [NM_198060]
DDX21	4.8	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 21 (DDX21), mRNA [NM_004728]
CCDC76	4.8	Homo sapiens coiled-coil domain containing 76 (CCDC76), mRNA [NM_019083]
NR1D2	4.7	Homo sapiens nuclear receptor subfamily 1, group D, member 2 (NR1D2), transcript variant 1, mRNA [NM_005126]
NBPF6	4.6	Homo sapiens neuroblastoma breakpoint family, member 6 (NBPF6), transcript variant 2, mRNA [NM_001143988]
ELOVL2	4.5	Homo sapiens elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2 (ELOVL2), mRNA [NM_017770]
LEF1	4.5	Homo sapiens lymphoid enhancer-binding factor 1 (LEF1), transcript variant 1, mRNA [NM_016269]
AREG	4.4	Homo sapiens amphiregulin (AREG), mRNA [NM_001657]
PDE4A	4.4	Homo sapiens phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila) (PDE4A), transcript variant 4, mRNA [NM_006202]
RAB37	4.4	Homo sapiens RAB37, member RAS oncogene family (RAB37), transcript variant 3, mRNA [NM_175738]
SMARCAD1	4.4	Homo sapiens SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1 (SMARCAD1), transcript variant 1, mRNA [NM_001128429]
RRP15	4.4	Homo sapiens ribosomal RNA processing 15 homolog (S. cerevisiae) (RRP15), mRNA [NM_016052]
SUSD3	4.3	Homo sapiens sushi domain containing 3 (SUSD3), mRNA [NM_145006]
BCL2	4.3	Homo sapiens B-cell CLL/lymphoma 2 (BCL2), nuclear gene encoding mitochondrial protein, transcript variant alpha, mRNA [NM_000633]
PHF14	4.2	Homo sapiens PHD finger protein 14 (PHF14), transcript variant 2, mRNA [NM_014660]
AREG	4.2	Homo sapiens amphiregulin (AREG), mRNA [NM_001657]
CAMSAP1	4.2	Homo sapiens calmodulin regulated spectrin-associated protein 1 (CAMSAP1), mRNA [NM_015447]
NR1D2	4.2	Homo sapiens nuclear receptor subfamily 1, group D, member 2 (NR1D2), transcript variant 1, mRNA [NM_005126]
ARC	4.1	Homo sapiens activity-regulated cytoskeleton-associated protein (ARC), mRNA [NM_015193]
HBEGF	4.1	Homo sapiens heparin-binding EGF-like growth factor (HBEGF), mRNA [NM_001945]
BCL2L15	4.1	Homo sapiens BCL2-like 15 (BCL2L15), mRNA [NM_001010922]
TPD52L1	4.1	Homo sapiens tumor protein D52-like 1 (TPD52L1), transcript variant 4, mRNA [NM_001003397]
LRPPRC	4.1	Homo sapiens leucine-rich PPR-motif containing (LRPPRC), mRNA [NM_133259]
ANKH	4.1	Homo sapiens ankylosis, progressive homolog (mouse) (ANKH), mRNA [NM_054027]
RAPGEFL1	4.1	Homo sapiens Rap guanine nucleotide exchange factor (GEF)-like 1 (RAPGEFL1), mRNA [NM_016339]
GPHA2	4.1	Homo sapiens glycoprotein hormone alpha 2 (GPHA2), mRNA [NM_130769]
IGFBP4	4.0	Homo sapiens insulin-like growth factor binding protein 4 (IGFBP4), mRNA [NM_001552]
PGLYRP2	4.0	Homo sapiens peptidoglycan recognition protein 2 (PGLYRP2), mRNA [NM_052890]
RHOBTB1	4.0	Homo sapiens Rho-related BTB domain containing 1 (RHOBTB1), transcript variant 1, mRNA [NM_014836]
NEDD9	4.0	Homo sapiens neural precursor cell expressed, developmentally down-regulated 9 (NEDD9), transcript variant 1, mRNA [NM_006403]
SLC3A2	4.0	Homo sapiens solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 (SLC3A2), transcript variant 1, mRNA [NM_001012661]
THADA	4.0	Homo sapiens thyroid adenoma associated (THADA), transcript variant 3, mRNA [NM_001083953]
ZMYM6	3.9	Homo sapiens zinc finger, MYM-type 6 (ZMYM6), mRNA [NM_007167]
RAP1GAP2	3.9	Homo sapiens RAP1 GTPase activating protein 2 (RAP1GAP2), transcript variant 1, mRNA [NM_015085]
LONRF1	3.9	Homo sapiens LON peptidase N-terminal domain and ring finger 1 (LONRF1), mRNA [NM_152271]
USP31	3.9	Homo sapiens ubiquitin specific peptidase 31 (USP31), mRNA [NM_020718]

ATXN3	3.9	Homo sapiens ataxin 3 (ATXN3), transcript variant reference, mRNA [NM_004993]
RAB33A	3.9	Homo sapiens RAB33A, member RAS oncogene family (RAB33A), mRNA [NM_004794]
GPR77	3.9	Homo sapiens G protein-coupled receptor 77 (GPR77), mRNA [NM_018485]
USP25	3.8	Homo sapiens ubiquitin specific peptidase 25 (USP25), mRNA [NM_013396]
RGNEF	3.8	Homo sapiens Rho-guanine nucleotide exchange factor (RGNEF), mRNA [NM_001080479]
PITPNM2	3.8	Homo sapiens phosphatidylinositol transfer protein, membrane-associated 2 (PITPNM2), mRNA [NM_020845]
TMEM170B	3.8	Homo sapiens transmembrane protein 170B (TMEM170B), mRNA [NM_001100829]
CYP27B1	3.8	Homo sapiens cytochrome P450, family 27, subfamily B, polypeptide 1 (CYP27B1), nuclear gene encoding mitochondrial protein, mRNA [NM_000785]
ABHD2	3.8	Homo sapiens abhydrolase domain containing 2 (ABHD2), transcript variant 1, mRNA [NM_007011]
AKAP1	3.7	Homo sapiens A kinase (PRKA) anchor protein 1 (AKAP1), nuclear gene encoding mitochondrial protein, mRNA [NM_003488]
SLC2A1	3.7	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 1 (SLC2A1), mRNA [NM_006516]
SIAH2	3.7	Homo sapiens seven in absentia homolog 2 (Drosophila) (SIAH2), mRNA [NM_005067]
NBPF22P	3.7	Homo sapiens neuroblastoma breakpoint family, member 22 (pseudogene) (NBPF22P), non-coding RNA [NR_003719]
POLR3G	3.7	Homo sapiens polymerase (RNA) III (DNA directed) polypeptide G (32kD) (POLR3G), mRNA [NM_006467]
ZNF700	3.7	Homo sapiens zinc finger protein 700 (ZNF700), mRNA [NM_144566]
NAV2	3.7	Homo sapiens neuron navigator 2 (NAV2), transcript variant 1, mRNA [NM_182964]
MINA	3.7	Homo sapiens MYC induced nuclear antigen (MINA), transcript variant 1, mRNA [NM_001042533]
IFIT3	3.7	Homo sapiens interferon-induced protein with tetratricopeptide repeats 3 (IFIT3), transcript variant 1, mRNA [NM_001549]
NT5DC3	3.7	Homo sapiens 5'-nucleotidase domain containing 3 (NT5DC3), mRNA [NM_001031701]
SR140	3.7	Homo sapiens U2-associated SR140 protein (SR140), mRNA [NM_001080415]
NRIP1	3.7	Homo sapiens nuclear receptor interacting protein 1 (NRIP1), mRNA [NM_003489]
WDFY4	3.6	Homo sapiens WDFY family member 4 (WDFY4), mRNA [NM_020945]
PADI1	3.6	Homo sapiens peptidyl arginine deiminase, type I (PADI1), mRNA [NM_013358]
GARNL3	3.6	Homo sapiens GTPase activating Rap/RanGAP domain-like 3 (GARNL3), mRNA [NM_032293]
HSPA4L	3.6	Homo sapiens heat shock 70kDa protein 4-like (HSPA4L), mRNA [NM_014278]
BHLHE41	3.6	Homo sapiens basic helix-loop-helix family, member e41 (BHLHE41), mRNA [NM_030762]
ANKRD13B	3.6	Homo sapiens ankyrin repeat domain 13B (ANKRD13B), mRNA [NM_152345]
KRT37	3.6	Homo sapiens keratin 37 (KRT37), mRNA [NM_003770]
NAV2	3.6	Homo sapiens neuron navigator 2 (NAV2), transcript variant 1, mRNA [NM_182964]
PALB2	3.6	Homo sapiens partner and localizer of BRCA2 (PALB2), mRNA [NM_024675]
TOMM70A	3.5	Homo sapiens translocase of outer mitochondrial membrane 70 homolog A (S. cerevisiae) (TOMM70A), nuclear gene encoding mitochondrial protein, mRNA [NM_014820]
USP15	3.5	Homo sapiens ubiquitin specific peptidase 15 (USP15), mRNA [NM_006313]
MTX3	3.5	Homo sapiens metaxin 3 (MTX3), mRNA [NM_001010891]
DGAT2	3.5	Homo sapiens diacylglycerol O-acyltransferase homolog 2 (mouse) (DGAT2), mRNA [NM_032564]
STC2	3.5	Homo sapiens stanniocalcin 2 (STC2), mRNA [NM_003714]
ZNF343	3.5	Homo sapiens zinc finger protein 343 (ZNF343), mRNA [NM_024325]
SEC23B	3.5	Homo sapiens Sec23 homolog B (S. cerevisiae) (SEC23B), transcript variant 2, mRNA [NM_032985]
ITPR1	3.5	Homo sapiens inositol 1,4,5-triphosphate receptor, type 1 (ITPR1), transcript variant 2, mRNA [NM_002222]
CCND1	3.5	Homo sapiens cyclin D1 (CCND1), mRNA [NM_053056]
ATAD5	3.5	Homo sapiens ATPase family, AAA domain containing 5 (ATAD5), mRNA [NM_024857]
ZNF25	3.5	Homo sapiens zinc finger protein 25 (ZNF25), mRNA [NM_145011]
ZMAT1	3.4	Homo sapiens zinc finger, matrin type 1 (ZMAT1), transcript variant 3, mRNA [NM_032441]

RAMP1	3.4	Homo sapiens receptor (G protein-coupled) activity modifying protein 1 (RAMP1), mRNA [NM_005855]
ANKH	3.4	Homo sapiens ankylosis, progressive homolog (mouse) (ANKH), mRNA [NM_054027]
HTRA3	3.4	Homo sapiens Htra serine peptidase 3 (HTRA3), mRNA [NM_053044]
CCDC138	3.4	Homo sapiens coiled-coil domain containing 138 (CCDC138), mRNA [NM_144978]
BDP1	3.4	Homo sapiens B double prime 1, subunit of RNA polymerase III transcription initiation factor IIIB (BDP1), mRNA [NM_018429]
RCN1	3.4	Homo sapiens reticulocalbin 1, EF-hand calcium binding domain (RCN1), mRNA [NM_002901]
NRIP1	3.4	Homo sapiens nuclear receptor interacting protein 1 (NRIP1), mRNA [NM_003489]
FAR1	3.4	Homo sapiens fatty acyl CoA reductase 1 (FAR1), mRNA [NM_032228]
FAM86B1	3.4	Homo sapiens family with sequence similarity 86, member B1 (FAM86B1), transcript variant 1, mRNA [NM_001083537]
VPRBP	3.4	Homo sapiens Vpr (HIV-1) binding protein (VPRBP), mRNA [NM_014703]
SCNN1A	3.4	Homo sapiens sodium channel, nonvoltage-gated 1 alpha (SCNN1A), transcript variant 1, mRNA [NM_001038]
KIF18A	3.4	Homo sapiens kinesin family member 18A (KIF18A), mRNA [NM_031217]
UAP1	3.4	Homo sapiens UDP-N-acetylglucosamine pyrophosphorylase 1 (UAP1), mRNA [NM_003115]
CTRL	3.3	Homo sapiens chymotrypsin-like (CTRL), mRNA [NM_001907]
GOLGB1	3.3	Homo sapiens golgin B1, golgi integral membrane protein (GOLGB1), mRNA [NM_004487]
PFAS	3.3	Homo sapiens phosphoribosylformylglycinamide synthase (PFAS), mRNA [NM_012393]
RET	3.3	Homo sapiens ret proto-oncogene (RET), transcript variant 2, mRNA [NM_020975]
MED13L	3.3	Homo sapiens mediator complex subunit 13-like (MED13L), mRNA [NM_015335]
SEC63	3.3	Homo sapiens SEC63 homolog (S. cerevisiae) (SEC63), mRNA [NM_007214]
ZNF529	3.3	Homo sapiens zinc finger protein 529 (ZNF529), transcript variant 2, mRNA [NM_020951]
RNF125	3.3	Homo sapiens ring finger protein 125 (RNF125), mRNA [NM_017831]
SLC30A9	3.3	Homo sapiens solute carrier family 30 (zinc transporter), member 9 (SLC30A9), mRNA [NM_006345]
MINA	3.3	Homo sapiens MYC induced nuclear antigen (MINA), transcript variant 3, mRNA [NM_032778]
CDC73	3.3	Homo sapiens cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S. cerevisiae) (CDC73), mRNA [NM_024529]
ZNF761	3.3	Homo sapiens zinc finger protein 761 (ZNF761), mRNA [NM_001008401]
DGKE	3.3	Homo sapiens diacylglycerol kinase, epsilon 64kDa (DGKE), mRNA [NM_003647]
HAAO	3.3	Homo sapiens 3-hydroxyanthranilate 3,4-dioxygenase (HAAO), mRNA [NM_012205]
DDX10	3.3	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 10 (DDX10), mRNA [NM_004398]
RIOK1	3.3	Homo sapiens RIO kinase 1 (yeast) (RIOK1), transcript variant 2, mRNA [NM_153005]
PNPT1	3.2	Homo sapiens polyribonucleotide nucleotidyltransferase 1 (PNPT1), mRNA [NM_033109]
NIN	3.2	Homo sapiens ninein (GSK3B interacting protein) (NIN), transcript variant 2, mRNA [NM_020921]
PDZK1	3.2	Homo sapiens PDZ domain containing 1 (PDZK1), mRNA [NM_002614]
AATK	3.2	Homo sapiens apoptosis-associated tyrosine kinase (AATK), mRNA [NM_001080395]
TNNI2	3.2	Homo sapiens troponin I type 2 (skeletal, fast) (TNNI2), transcript variant 1, mRNA [NM_003282]
USP12	3.2	Homo sapiens ubiquitin specific peptidase 12 (USP12), mRNA [NM_182488]
NOL6	3.2	Homo sapiens nucleolar protein family 6 (RNA-associated) (NOL6), transcript variant alpha, mRNA [NM_022917]
BLZF1	3.2	Homo sapiens basic leucine zipper nuclear factor 1 (BLZF1), mRNA [NM_003666]
ITGA2	3.2	Homo sapiens integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor) (ITGA2), mRNA [NM_002203]
FAM198B	3.2	Homo sapiens family with sequence similarity 198, member B (FAM198B), transcript variant 2, mRNA [NM_016613]
SLC16A1	3.2	Homo sapiens solute carrier family 16, member 1 (monocarboxylic acid transporter 1) (SLC16A1), transcript variant 2, mRNA [NM_001166496]
DUSP5	3.2	Homo sapiens dual specificity phosphatase 5 (DUSP5), mRNA [NM_004419]
RUNX2	3.2	Homo sapiens runt-related transcription factor 2 (RUNX2), transcript variant 3, mRNA [NM_004348]

RNF20	3.2	Homo sapiens ring finger protein 20 (RNF20), mRNA [NM_019592]
AGPAT5	3.2	Homo sapiens 1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon) (AGPAT5), mRNA [NM_018361]
RAI14	3.2	Homo sapiens retinoic acid induced 14 (RAI14), transcript variant 1, mRNA [NM_015577]
DDX31	3.2	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 31 (DDX31), transcript variant 2, mRNA [NM_138620]
FREM2	3.2	Homo sapiens FRAS1 related extracellular matrix protein 2 (FREM2), mRNA [NM_207361]
USP7	3.2	Homo sapiens ubiquitin specific peptidase 7 (herpes virus-associated) (USP7), mRNA [NM_003470]
ZSCAN1	3.1	Homo sapiens zinc finger and SCAN domain containing 1 (ZSCAN1), mRNA [NM_182572]
WDR3	3.1	Homo sapiens WD repeat domain 3 (WDR3), mRNA [NM_006784]
SLC7A11	3.1	Homo sapiens solute carrier family 7, (cationic amino acid transporter, y+ system) member 11 (SLC7A11), mRNA [NM_014331]
NINL	3.1	Homo sapiens ninein-like (NINL), mRNA [NM_025176]
NARG1	3.1	Homo sapiens NMDA receptor regulated 1 (NARG1), mRNA [NM_057175]
CWF19L2	3.1	Homo sapiens CWF19-like 2, cell cycle control (S. pombe) (CWF19L2), mRNA [NM_152434]
R3HDM1	3.1	Homo sapiens R3H domain containing 1 (R3HDM1), mRNA [NM_015361]
SEMA3G	3.1	Homo sapiens sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3G (SEMA3G), mRNA [NM_020163]
TNFRSF6B	3.1	Homo sapiens tumor necrosis factor receptor superfamily, member 6b, decoy (TNFRSF6B), transcript variant M68C, mRNA [NM_032945]
E2F5	3.1	Homo sapiens E2F transcription factor 5, p130-binding (E2F5), transcript variant 1, mRNA [NM_001951]
ZNF326	3.1	Homo sapiens zinc finger protein 326 (ZNF326), transcript variant 3, mRNA [NM_182975]
KCNF1	3.1	Homo sapiens potassium voltage-gated channel, subfamily F, member 1 (KCNF1), mRNA [NM_002236]
ZNF148	3.1	Homo sapiens zinc finger protein 148 (ZNF148), mRNA [NM_021964]
TMPRSS3	3.1	Homo sapiens transmembrane protease, serine 3 (TMPRSS3), transcript variant D, mRNA [NM_032405]
FAM71E1	3.1	Homo sapiens family with sequence similarity 71, member E1 (FAM71E1), mRNA [NM_138411]
MPPED2	3.1	Homo sapiens metallophosphoesterase domain containing 2 (MPPED2), transcript variant 1, mRNA [NM_001584]
NEDD9	3.0	Homo sapiens neural precursor cell expressed, developmentally down-regulated 9 (NEDD9), transcript variant 2, mRNA [NM_182966]
ARAP2	3.0	Homo sapiens ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2 (ARAP2), mRNA [NM_015230]
GALNT4	3.0	Homo sapiens UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 4 (GalNAc-T4) (GALNT4), mRNA [NM_003774]
ZNF3	3.0	Homo sapiens zinc finger protein 3 (ZNF3), transcript variant 1, mRNA [NM_017715]
DSG2	3.0	Homo sapiens desmoglein 2 (DSG2), mRNA [NM_001943]
SLITRK4	3.0	Homo sapiens SLIT and NTRK-like family, member 4 (SLITRK4), mRNA [NM_173078]
ATXN1L	3.0	Homo sapiens ataxin 1-like (ATXN1L), transcript variant 2, transcribed RNA [NR_024612]
TDRD10	3.0	Homo sapiens tudor domain containing 10 (TDRD10), transcript variant 2, mRNA [NM_182499]
EGR1	3.0	Homo sapiens early growth response 1 (EGR1), mRNA [NM_001964]
CEP110	3.0	Homo sapiens centrosomal protein 110kDa (CEP110), mRNA [NM_007018]
RBAK	3.0	Homo sapiens RB-associated KRAB zinc finger (RBAK), mRNA [NM_021163]
TPD52L1	3.0	Homo sapiens tumor protein D52-like 1 (TPD52L1), transcript variant 2, mRNA [NM_001003395]
TMED8	3.0	Homo sapiens transmembrane emp24 protein transport domain containing 8 (TMED8), mRNA [NM_213601]
IMPAD1	3.0	Homo sapiens inositol monophosphatase domain containing 1 (IMPAD1), mRNA [NM_017813]
HMGCS1	3.0	Homo sapiens 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble) (HMGCS1), transcript variant 2, mRNA [NM_002130]
ZNF330	3.0	Homo sapiens zinc finger protein 330 (ZNF330), mRNA [NM_014487]
METAP2	3.0	Homo sapiens methionyl aminopeptidase 2 (METAP2), mRNA [NM_006838]
IER3	3.0	Homo sapiens immediate early response 3 (IER3), mRNA [NM_003897]
TFAP4	3.0	Homo sapiens transcription factor AP-4 (activating enhancer binding protein 4) (TFAP4), mRNA [NM_003223]

RNMT	3.0	Homo sapiens RNA (guanine-7-) methyltransferase (RNMT), mRNA [NM_003799]
TUBGCP5	3.0	Homo sapiens tubulin, gamma complex associated protein 5 (TUBGCP5), transcript variant 1, mRNA [NM_052903]
FHL2	3.0	Homo sapiens four and a half LIM domains 2 (FHL2), transcript variant 2, mRNA [NM_201555]
FGD3	2.9	Homo sapiens FYVE, RhoGEF and PH domain containing 3 (FGD3), transcript variant 2, mRNA [NM_033086]
BRWD1	2.9	Homo sapiens bromodomain and WD repeat domain containing 1 (BRWD1), transcript variant 2, mRNA [NM_033656]
DDX10	2.9	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 10 (DDX10), mRNA [NM_004398]
ATF3	2.9	Homo sapiens activating transcription factor 3 (ATF3), transcript variant 4, mRNA [NM_001040619]
ZNF473	2.9	Homo sapiens zinc finger protein 473 (ZNF473), transcript variant 1, mRNA [NM_015428]
NBPF6	2.9	Homo sapiens neuroblastoma breakpoint family, member 6 (NBPF6), transcript variant 1, mRNA [NM_001143987]
NFATC3	2.9	Homo sapiens nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3 (NFATC3), transcript variant 4, mRNA [NM_173164]
AHI1	2.9	Homo sapiens Abelson helper integration site 1 (AHI1), transcript variant 2, mRNA [NM_017651]
MAK16	2.9	Homo sapiens MAK16 homolog (S. cerevisiae) (MAK16), mRNA [NM_032509]
ATF3	2.9	Homo sapiens activating transcription factor 3 (ATF3), transcript variant 4, mRNA [NM_001040619]
USP34	2.9	Homo sapiens ubiquitin specific peptidase 34 (USP34), mRNA [NM_014709]
PUS1	2.9	Homo sapiens pseudouridylylase synthase 1 (PUS1), transcript variant 1, mRNA [NM_025215]
CACNA1D	2.9	Homo sapiens calcium channel, voltage-dependent, L type, alpha 1D subunit (CACNA1D), transcript variant 1, mRNA [NM_000720]
PNN	2.9	Homo sapiens pinin, desmosome associated protein (PNN), mRNA [NM_002687]
SLC38A2	2.9	Homo sapiens solute carrier family 38, member 2 (SLC38A2), mRNA [NM_018976]
USP45	2.9	Homo sapiens ubiquitin specific peptidase 45 (USP45), mRNA [NM_001080481]
H19	2.9	Homo sapiens H19, imprinted maternally expressed transcript (non-protein coding) (H19), non-coding RNA [NR_002196]
SACS	2.9	Homo sapiens spastic ataxia of Charlevoix-Saguenay (sacsin) (SACS), mRNA [NM_014363]
CLASP2	2.9	Homo sapiens cytoplasmic linker associated protein 2 (CLASP2), mRNA [NM_015097]
PCOLCE2	2.9	Homo sapiens procollagen C-endopeptidase enhancer 2 (PCOLCE2), mRNA [NM_013363]
RRP12	2.9	Homo sapiens ribosomal RNA processing 12 homolog (S. cerevisiae) (RRP12), transcript variant 1, mRNA [NM_015179]
TAF4B	2.9	Homo sapiens TAF4b RNA polymerase II, TATA box binding protein (TBP)-associated factor, 105kDa (TAF4B), mRNA [NM_005640]
FJX1	2.9	Homo sapiens four jointed box 1 (Drosophila) (FJX1), mRNA [NM_014344]
MITF	2.9	Homo sapiens microphthalmia-associated transcription factor (MITF), transcript variant 1, mRNA [NM_198159]
PDE6A	2.9	Homo sapiens phosphodiesterase 6A, cGMP-specific, rod, alpha (PDE6A), mRNA [NM_000440]
TBC1D4	2.9	Homo sapiens TBC1 domain family, member 4 (TBC1D4), mRNA [NM_014832]
ACOX2	2.9	Homo sapiens acyl-Coenzyme A oxidase 2, branched chain (ACOX2), mRNA [NM_003500]
EMCN	2.9	Homo sapiens endomucin (EMCN), transcript variant 1, mRNA [NM_016242]
NOC3L	2.9	Homo sapiens nucleolar complex associated 3 homolog (S. cerevisiae) (NOC3L), mRNA [NM_022451]
UBE2N	2.8	Homo sapiens ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast) (UBE2N), mRNA [NM_003348]
TAF5L	2.8	Homo sapiens TAF5-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kDa (TAF5L), transcript variant 2, mRNA [NM_001025247]
XPOT	2.8	Homo sapiens exportin, tRNA (nuclear export receptor for tRNAs) (XPOT), mRNA [NM_007235]
AQR	2.8	Homo sapiens aquarius homolog (mouse) (AQR), mRNA [NM_014691]
TAF1A	2.8	Homo sapiens TATA box binding protein (TBP)-associated factor, RNA polymerase I, A, 48kDa (TAF1A), transcript variant 1, mRNA [NM_005681]
SLC26A1	2.8	Homo sapiens solute carrier family 26 (sulfate transporter), member 1 (SLC26A1), transcript variant 2, mRNA [NM_134425]
MREG	2.8	Homo sapiens melanoregulin (MREG), mRNA [NM_018000]
WDR74	2.8	Homo sapiens cDNA FLJ78749 complete cds, highly similar to Homo sapiens WD repeat domain 74 (WDR74), mRNA [AK292330]
AMICA1	2.8	Homo sapiens adhesion molecule, interacts with CXADR antigen 1 (AMICA1), transcript variant 2, mRNA [NM_153206]

PMPCB	2.8	Homo sapiens peptidase (mitochondrial processing) beta (PMPCB), nuclear gene encoding mitochondrial protein, mRNA [NM_004279]
CISH	2.8	Homo sapiens cytokine inducible SH2-containing protein (CISH), transcript variant 2, mRNA [NM_145071]
OBFC2A	2.8	Homo sapiens oligonucleotide/oligosaccharide-binding fold containing 2A (OBFC2A), transcript variant 1, mRNA [NM_001031716]
MTHFD1L	2.8	Homo sapiens methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like (MTHFD1L), mRNA [NM_015440]
PPM1K	2.8	Homo sapiens protein phosphatase 1K (PP2C domain containing) (PPM1K), mRNA [NM_152542]
ZNF643	2.8	Homo sapiens zinc finger protein 643 (ZNF643), mRNA [NM_023070]
MEX3B	2.7	Homo sapiens mex-3 homolog B (C. elegans) (MEX3B), mRNA [NM_032246]
SH3BP5	2.7	Homo sapiens SH3-domain binding protein 5 (BTK-associated) (SH3BP5), transcript variant 1, mRNA [NM_004844]
JMJD1C	2.7	Homo sapiens jumonji domain containing 1C (JMJD1C), transcript variant 1, mRNA [NM_032776]
ABI2	2.7	Homo sapiens abl-interactor 2 (ABI2), mRNA [NM_005759]
BCL2	2.7	Homo sapiens B-cell CLL/lymphoma 2 (BCL2), nuclear gene encoding mitochondrial protein, transcript variant beta, mRNA [NM_000657]
NEAT1	2.7	Human MEN1 region clone epsilon [AF001893]
WDR3	2.7	Homo sapiens WD repeat domain 3 (WDR3), mRNA [NM_006784]
MAP9	2.7	Homo sapiens microtubule-associated protein 9 (MAP9), mRNA [NM_001039580]
IFIT2	2.7	Homo sapiens interferon-induced protein with tetratricopeptide repeats 2 (IFIT2), mRNA [NM_001547]
IL6ST	2.7	Homo sapiens interleukin 6 signal transducer (gp130, oncostatin M receptor) (IL6ST), transcript variant 1, mRNA [NM_002184]
SFRS7	2.7	Homo sapiens splicing factor, arginine/serine-rich 7, 35kDa (SFRS7), mRNA [NM_001031684]
AHCTF1	2.7	Homo sapiens AT hook containing transcription factor 1 (AHCTF1), mRNA [NM_015446]
WDR43	2.7	Homo sapiens WD repeat domain 43 (WDR43), mRNA [NM_015131]
WDR12	2.7	Homo sapiens WD repeat domain 12 (WDR12), mRNA [NM_018256]
KDM4B	2.7	Homo sapiens lysine (K)-specific demethylase 4B (KDM4B), mRNA [NM_015015]
ORC4L	2.7	Homo sapiens origin recognition complex, subunit 4-like (yeast) (ORC4L), transcript variant 2, mRNA [NM_002552]
GAB2	2.7	Homo sapiens GRB2-associated binding protein 2 (GAB2), transcript variant 2, mRNA [NM_012296]
ZIC2	2.7	Homo sapiens Zic family member 2 (odd-paired homolog, Drosophila) (ZIC2), mRNA [NM_007129]
WDR35	2.7	Homo sapiens WD repeat domain 35 (WDR35), transcript variant 1, mRNA [NM_001006657]
ZCCHC7	2.7	Homo sapiens zinc finger, CCHC domain containing 7 (ZCCHC7), mRNA [NM_032226]
ZBTB8B	2.7	Homo sapiens zinc finger and BTB domain containing 8B (ZBTB8B), mRNA [NM_001145720]
EIF5A2	2.7	Homo sapiens eukaryotic translation initiation factor 5A2 (EIF5A2), mRNA [NM_020390]
ME3	2.7	Homo sapiens malic enzyme 3, NADP(+)-dependent, mitochondrial (ME3), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_001014811]
RUVBL1	2.7	Homo sapiens RuvB-like 1 (E. coli) (RUVBL1), mRNA [NM_003707]
AMD1	2.7	Homo sapiens adenosylmethionine decarboxylase 1 (AMD1), transcript variant 1, mRNA [NM_001634]
POLR3G	2.7	Homo sapiens polymerase (RNA) III (DNA directed) polypeptide G (32kD) (POLR3G), mRNA [NM_006467]
SERPINA3	2.7	Homo sapiens serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3 (SERPINA3), mRNA [NM_001085]
GDF15	2.7	Homo sapiens growth differentiation factor 15 (GDF15), mRNA [NM_004864]
METTL1	2.6	Homo sapiens methyltransferase like 1 (METTL1), transcript variant 1, mRNA [NM_005371]
HEATR1	2.6	Homo sapiens HEAT repeat containing 1 (HEATR1), mRNA [NM_018072]
JAK1	2.6	Homo sapiens Janus kinase 1 (JAK1), mRNA [NM_002227]
ADAL	2.6	Homo sapiens adenosine deaminase-like (ADAL), transcript variant 2, mRNA [NM_001012969]
ACVR2A	2.6	Homo sapiens activin A receptor, type IIA (ACVR2A), mRNA [NM_001616]
MIA3	2.6	Homo sapiens melanoma inhibitory activity family, member 3 (MIA3), mRNA [NM_198551]
XPO6	2.6	Homo sapiens exportin 6 (XPO6), mRNA [NM_015171]
MLH3	2.6	Homo sapiens mutL homolog 3 (E. coli) (MLH3), transcript variant 1, mRNA [NM_001040108]

PGF	2.6	Homo sapiens placental growth factor (PGF), mRNA [NM_002632]
ZNF41	2.6	Homo sapiens zinc finger protein 41 (ZNF41), transcript variant 2, mRNA [NM_153380]
ATXN1	2.6	Homo sapiens ataxin 1 (ATXN1), transcript variant 1, mRNA [NM_000332]
FAM119B	2.6	Homo sapiens family with sequence similarity 119, member B (FAM119B), transcript variant 2, mRNA [NM_206914]
NECAB1	2.6	Homo sapiens N-terminal EF-hand calcium binding protein 1 (NECAB1), mRNA [NM_022351]
SFRS12IP1	2.6	Homo sapiens SFRS12-interacting protein 1 (SFRS12IP1), mRNA [NM_173829]
ALMS1	2.6	Homo sapiens Alstrom syndrome 1 (ALMS1), mRNA [NM_015120]
PDP2	2.6	Homo sapiens pyruvate dehydrogenase phosphatase catalytic subunit 2 (PDP2), mRNA [NM_020786]
AP4B1	2.6	Homo sapiens adaptor-related protein complex 4, beta 1 subunit (AP4B1), mRNA [NM_006594]
FLJ44817	2.6	Homo sapiens similar to pleckstrin homology domain protein (5V327) (FLJ44817), mRNA [NM_001161498]
CD209	2.6	Homo sapiens CD209 molecule (CD209), transcript variant 1, mRNA [NM_021155]
ECE1	2.6	Homo sapiens endothelin converting enzyme 1 (ECE1), transcript variant 3, mRNA [NM_001113347]
SECISBP2	2.6	Homo sapiens SECIS binding protein 2 (SECISBP2), mRNA [NM_024077]
CAB39L	2.6	Homo sapiens calcium binding protein 39-like (CAB39L), transcript variant 2, mRNA [NM_001079670]
PER3	2.6	Homo sapiens period homolog 3 (Drosophila) (PER3), mRNA [NM_016831]
POLR1B	2.6	Homo sapiens polymerase (RNA) I polypeptide B, 128kDa (POLR1B), transcript variant 1, mRNA [NM_019014]
OTUD6B	2.6	Homo sapiens OTU domain containing 6B (OTUD6B), mRNA [NM_016023]
CRTC3	2.6	Homo sapiens CREB regulated transcription coactivator 3 (CRTC3), transcript variant 1, mRNA [NM_022769]
SLC27A2	2.6	Homo sapiens solute carrier family 27 (fatty acid transporter), member 2 (SLC27A2), transcript variant 1, mRNA [NM_003645]
TGM2	2.6	Homo sapiens transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase) (TGM2), transcript variant 2, mRNA [NM_198951]
CPLX1	2.6	Homo sapiens complexin 1 (CPLX1), mRNA [NM_006651]
ENTPD3	2.6	Homo sapiens ectonucleoside triphosphate diphosphohydrolase 3 (ENTPD3), mRNA [NM_001248]
SLC1A4	2.6	Homo sapiens solute carrier family 1 (glutamate/neutral amino acid transporter), member 4 (SLC1A4), transcript variant 1, mRNA [NM_003038]
RNF145	2.6	Homo sapiens ring finger protein 145 (RNF145), mRNA [NM_144726]
LMOD3	2.6	Homo sapiens leiomodoin 3 (fetal) (LMOD3), mRNA [NM_198271]
RARA	2.6	Homo sapiens retinoic acid receptor, alpha (RARA), transcript variant 2, mRNA [NM_001024809]
DLC1	2.6	Homo sapiens deleted in liver cancer 1 (DLC1), transcript variant 1, mRNA [NM_182643]
PKIB	2.6	Homo sapiens protein kinase (cAMP-dependent, catalytic) inhibitor beta (PKIB), transcript variant 1, mRNA [NM_181795]
DNAH11	2.6	Homo sapiens dynein, axonemal, heavy chain 11 (DNAH11), mRNA [NM_003777]
NR5A2	2.6	Homo sapiens nuclear receptor subfamily 5, group A, member 2 (NR5A2), transcript variant 1, mRNA [NM_205860]
AHI1	2.6	Homo sapiens Abelson helper integration site 1 (AHI1), transcript variant 2, mRNA [NM_017651]
CAMTA1	2.6	Homo sapiens calmodulin binding transcription activator 1 (CAMTA1), mRNA [NM_015215]
GNA14	2.6	Homo sapiens guanine nucleotide binding protein (G protein), alpha 14 (GNA14), mRNA [NM_004297]
IRS2	2.6	Homo sapiens insulin receptor substrate 2 (IRS2), mRNA [NM_003749]
ZNHIT6	2.6	Homo sapiens zinc finger, HIT type 6 (ZNHIT6), mRNA [NM_017953]
WWC2	2.6	Homo sapiens WW and C2 domain containing 2 (WWC2), mRNA [NM_024949]
LDHA	2.6	Homo sapiens lactate dehydrogenase A (LDHA), transcript variant 1, mRNA [NM_005566]
KRT23	2.6	Homo sapiens keratin 23 (histone deacetylase inducible) (KRT23), mRNA [NM_015515]
IL20	2.6	Homo sapiens interleukin 20 (IL20), mRNA [NM_018724]
LYAR	2.6	Homo sapiens Ly1 antibody reactive homolog (mouse) (LYAR), transcript variant 1, mRNA [NM_017816]
RAB11FIP2	2.6	Homo sapiens RAB11 family interacting protein 2 (class I) (RAB11FIP2), mRNA [NM_014904]
SUSD4	2.6	Homo sapiens sushi domain containing 4 (SUSD4), transcript variant 1, mRNA [NM_017982]

TUBB4Q	2.6	Homo sapiens tubulin, beta polypeptide 4, member Q (TUBB4Q), mRNA [NM_020040]
MITF	2.6	Homo sapiens microphthalmia-associated transcription factor (MITF), transcript variant 1, mRNA [NM_198159]
IER3	2.6	Homo sapiens immediate early response 3 (IER3), mRNA [NM_003897]
GEMIN5	2.6	Homo sapiens gem (nuclear organelle) associated protein 5 (GEMIN5), mRNA [NM_015465]
COL12A1	2.5	Homo sapiens collagen, type XII, alpha 1 (COL12A1), transcript variant long, mRNA [NM_004370]
AGFG1	2.5	Homo sapiens ArfGAP with FG repeats 1 (AGFG1), transcript variant 1, mRNA [NM_001135187]
ZNF551	2.5	Homo sapiens zinc finger protein 551 (ZNF551), mRNA [NM_138347]
MYBL1	2.5	Homo sapiens v-myb myeloblastosis viral oncogene homolog (avian)-like 1 (MYBL1), transcript variant 2, mRNA [NM_001144755]
PFKFB3	2.5	Homo sapiens 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 (PFKFB3), transcript variant 1, mRNA [NM_004566]
ZNF146	2.5	Homo sapiens zinc finger protein 146 (ZNF146), transcript variant 1, mRNA [NM_007145]
ZNF26	2.5	Homo sapiens zinc finger protein 26 (ZNF26), mRNA [NM_019591]
ABCE1	2.5	Homo sapiens ATP-binding cassette, sub-family E (OABP), member 1 (ABCE1), transcript variant 1, mRNA [NM_002940]
ZNF434	2.5	Homo sapiens zinc finger protein 434 (ZNF434), mRNA [NM_017810]
MFSD2A	2.5	Homo sapiens major facilitator superfamily domain containing 2A (MFSD2A), transcript variant 1, mRNA [NM_001136493]
TSEN2	2.5	Homo sapiens tRNA splicing endonuclease 2 homolog (S. cerevisiae) (TSEN2), transcript variant 5, mRNA [NM_001145395]
KLF11	2.5	Homo sapiens Kruppel-like factor 11 (KLF11), mRNA [NM_003597]
PRR22	2.5	Homo sapiens proline rich 22 (PRR22), transcript variant 2, mRNA [NM_153359]
COX10	2.5	Homo sapiens COX10 homolog, cytochrome c oxidase assembly protein, heme A: farnesyltransferase (yeast) (COX10), nuclear gene encoding mitochondrial protein, mRNA [NM_001303]
LRIG1	2.5	Homo sapiens leucine-rich repeats and immunoglobulin-like domains 1 (LRIG1), mRNA [NM_015541]
KCTD12	2.5	Homo sapiens potassium channel tetramerisation domain containing 12 (KCTD12), mRNA [NM_138444]
NOP56	2.5	Homo sapiens NOP56 ribonucleoprotein homolog (yeast) (NOP56), transcript variant 1, mRNA [NM_006392]
ZNF202	2.5	Homo sapiens zinc finger protein 202 (ZNF202), mRNA [NM_003455]
PMAIP1	2.5	Homo sapiens phorbol-12-myristate-13-acetate-induced protein 1 (PMAIP1), mRNA [NM_021127]
CDNF	2.5	Homo sapiens cerebral dopamine neurotrophic factor (CDNF), mRNA [NM_001029954]
INO80	2.5	Homo sapiens INO80 homolog (S. cerevisiae) (INO80), mRNA [NM_017553]
PION	2.5	Homo sapiens pigeon homolog (Drosophila) (PION), mRNA [NM_017439]
FCRLB	2.5	Homo sapiens Fc receptor-like B (FCRLB), mRNA [NM_001002901]
SLC22A4	2.5	Homo sapiens solute carrier family 22 (organic cation/ergothioneine transporter), member 4 (SLC22A4), mRNA [NM_003059]
IMMT	2.5	Homo sapiens inner membrane protein, mitochondrial (mitofilin) (IMMT), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_006839]
AKAP10	2.5	Homo sapiens A kinase (PKA) anchor protein 10 (AKAP10), nuclear gene encoding mitochondrial protein, mRNA [NM_007202]
SFXN2	2.5	Homo sapiens sideroflexin 2 (SFXN2), mRNA [NM_178858]
METTL9	2.5	Homo sapiens methyltransferase like 9 (METTL9), transcript variant 1, mRNA [NM_016025]
IL6ST	2.5	Homo sapiens interleukin 6 signal transducer (gp130, oncostatin M receptor) (IL6ST), transcript variant 2, mRNA [NM_175767]
ESCO1	2.5	Homo sapiens establishment of cohesion 1 homolog 1 (S. cerevisiae) (ESCO1), mRNA [NM_052911]
HOXC8	2.5	Homo sapiens homeobox C8 (HOXC8), mRNA [NM_022658]
MAT2A	2.5	Homo sapiens methionine adenosyltransferase II, alpha (MAT2A), mRNA [NM_005911]
CHST10	2.5	Homo sapiens carbohydrate sulfotransferase 10 (CHST10), mRNA [NM_004854]
FGFRL1	2.5	Homo sapiens fibroblast growth factor receptor-like 1 (FGFRL1), transcript variant 1, mRNA [NM_001004356]
AUTS2	2.5	Homo sapiens autism susceptibility candidate 2 (AUTS2), transcript variant 1, mRNA [NM_015570]
DCUN1D4	2.5	Homo sapiens DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae) (DCUN1D4), transcript variant 1, mRNA [NM_001040402]
XBP1	2.5	Homo sapiens X-box binding protein 1 (XBP1), transcript variant 1, mRNA [NM_005080]
ARHGAP5	2.5	Homo sapiens Rho GTPase activating protein 5 (ARHGAP5), transcript variant 1, mRNA [NM_001030055]

LYZL2	2.5	Homo sapiens lysozyme-like 2 (LYZL2), mRNA [NM_183058]
TMEM2	2.5	Homo sapiens transmembrane protein 2 (TMEM2), transcript variant 1, mRNA [NM_013390]
LARP1B	2.5	Homo sapiens La ribonucleoprotein domain family, member 1B (LARP1B), transcript variant 1, mRNA [NM_018078]
RRP1B	2.4	Homo sapiens ribosomal RNA processing 1 homolog B (<i>S. cerevisiae</i>) (RRP1B), mRNA [NM_015056]
SLC6A9	2.4	Homo sapiens solute carrier family 6 (neurotransmitter transporter, glycine), member 9 (SLC6A9), transcript variant 2, mRNA [NM_201649]
ZNF25	2.4	Homo sapiens zinc finger protein 25 (ZNF25), mRNA [NM_145011]
PEX5	2.4	Homo sapiens peroxisomal biogenesis factor 5 (PEX5), transcript variant 2, mRNA [NM_000319]
ANXA1	2.4	Homo sapiens annexin A1 (ANXA1), mRNA [NM_000700]
FBXL17	2.4	Homo sapiens F-box and leucine-rich repeat protein 17, mRNA (cDNA clone IMAGE:30341140), with apparent retained intron. [BC063316]
SLC38A2	2.4	Homo sapiens solute carrier family 38, member 2 (SLC38A2), mRNA [NM_018976]
DKC1	2.4	Homo sapiens dyskeratosis congenita 1, dyskerin (DKC1), transcript variant 1, mRNA [NM_001363]
UGT2B15	2.4	Homo sapiens UDP glucuronosyltransferase 2 family, polypeptide B15 (UGT2B15), mRNA [NM_001076]
ZNF45	2.4	Homo sapiens zinc finger protein 45 (ZNF45), mRNA [NM_003425]
SLC7A1	2.4	Homo sapiens solute carrier family 7 (cationic amino acid transporter, y+ system), member 1 (SLC7A1), mRNA [NM_003045]
UGCG	2.4	Homo sapiens UDP-glucose ceramide glucosyltransferase (UGCG), mRNA [NM_003358]
UTP14A	2.4	Homo sapiens UTP14, U3 small nucleolar ribonucleoprotein, homolog A (yeast) (UTP14A), transcript variant 1, mRNA [NM_006649]
CDKL1	2.4	Homo sapiens cyclin-dependent kinase-like 1 (CDC2-related kinase) (CDKL1), mRNA [NM_004196]
RDX	2.4	Homo sapiens radixin (RDX), mRNA [NM_002906]
CHAC1	2.4	Homo sapiens ChaC, cation transport regulator homolog 1 (<i>E. coli</i>) (CHAC1), transcript variant 1, mRNA [NM_024111]
LRP12	2.4	Homo sapiens low density lipoprotein-related protein 12 (LRP12), transcript variant 1, mRNA [NM_013437]
SDK1	2.4	Homo sapiens sidekick homolog 1, cell adhesion molecule (chicken) (SDK1), transcript variant 1, mRNA [NM_152744]
GALNT2	2.4	Homo sapiens UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2 (GalNAc-T2) (GALNT2), mRNA [NM_004481]
LSM3	2.4	U6 snRNA-associated Sm-like protein LSM3 [Source:UniProtKB/Swiss-Prot;Acc:P62310] [ENST00000306024]
HPDL	2.4	Homo sapiens 4-hydroxyphenylpyruvate dioxygenase-like (HPDL), mRNA [NM_032756]
RRN3	2.4	Homo sapiens RRN3 RNA polymerase I transcription factor homolog (<i>S. cerevisiae</i>) (RRN3), mRNA [NM_018427]
ANXA13	2.4	Homo sapiens annexin A13 (ANXA13), transcript variant 2, mRNA [NM_001003954]
URB1	2.4	Homo sapiens URB1 ribosome biogenesis 1 homolog (<i>S. cerevisiae</i>) (URB1), mRNA [NM_014825]
PRPF4B	2.4	Homo sapiens PRP4 pre-mRNA processing factor 4 homolog B (yeast) (PRPF4B), mRNA [NM_003913]
FTSJD1	2.4	Homo sapiens FtsJ methyltransferase domain containing 1 (FTSJD1), transcript variant 1, mRNA [NM_018348]
EHBP1	2.4	Homo sapiens EH domain binding protein 1 (EHBP1), transcript variant 1, mRNA [NM_015252]
CELSR2	2.4	Homo sapiens cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, <i>Drosophila</i>) (CELSR2), mRNA [NM_001408]
GOLM1	2.4	Homo sapiens golgi membrane protein 1 (GOLM1), transcript variant 1, mRNA [NM_016548]
ZNF544	2.4	Homo sapiens zinc finger protein 544 (ZNF544), mRNA [NM_014480]
UACA	2.4	Homo sapiens uveal autoantigen with coiled-coil domains and ankyrin repeats (UACA), transcript variant 2, mRNA [NM_001008224]
DFFB	2.4	Homo sapiens DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase) (DFFB), mRNA [NM_004402]
ZNF248	2.4	Homo sapiens zinc finger protein 248 (ZNF248), mRNA [NM_021045]
HECTD3	2.4	Homo sapiens HECT domain containing 3 (HECTD3), mRNA [NM_024602]
GIN1	2.4	Homo sapiens gypsy retrotransposon integrase 1 (GIN1), mRNA [NM_017676]
RAB39B	2.4	Homo sapiens RAB39B, member RAS oncogene family (RAB39B), mRNA [NM_171998]
ETS2	2.4	Homo sapiens v-ets erythroblastosis virus E26 oncogene homolog 2 (avian) (ETS2), mRNA [NM_005239]
AMPD2	2.4	Homo sapiens adenosine monophosphate deaminase 2 (isoform L) (AMPD2), transcript variant 1, mRNA [NM_004037]

CASP8	2.4	Homo sapiens caspase 8, apoptosis-related cysteine peptidase (CASP8), transcript variant E, mRNA [NM_033358]
FARSB	2.4	Homo sapiens phenylalanyl-tRNA synthetase, beta subunit (FARSB), mRNA [NM_005687]
WDR51B	2.4	Homo sapiens WD repeat domain 51B (WDR51B), mRNA [NM_172240]
TIPARP	2.4	Homo sapiens TCDD-inducible poly(ADP-ribose) polymerase (TIPARP), mRNA [NM_015508]
PAN3	2.4	Homo sapiens PAN3 poly(A) specific ribonuclease subunit homolog (<i>S. cerevisiae</i>) (PAN3), mRNA [NM_175854]
IPO5	2.4	Homo sapiens importin 5 (IPO5), mRNA [NM_002271]
METTL1	2.4	Homo sapiens methyltransferase like 1 (METTL1), transcript variant 1, mRNA [NM_005371]
E2F4	2.4	Homo sapiens E2F transcription factor 4, p107/p130-binding (E2F4), mRNA [NM_001950]
INPP4B	2.4	Homo sapiens inositol polyphosphate-4-phosphatase, type II, 105kDa (INPP4B), transcript variant 1, mRNA [NM_003866]
XPO5	2.4	Homo sapiens exportin 5 (XPO5), mRNA [NM_020750]
OR4C6	2.4	Homo sapiens olfactory receptor, family 4, subfamily C, member 6 (OR4C6), mRNA [NM_001004704]
LTV1	2.4	Homo sapiens LTV1 homolog (<i>S. cerevisiae</i>) (LTV1), mRNA [NM_032860]
GOLT1B	2.4	Homo sapiens golgi transport 1 homolog B (<i>S. cerevisiae</i>) (GOLT1B), mRNA [NM_016072]
ZNF513	2.4	Homo sapiens zinc finger protein 513 (ZNF513), mRNA [NM_144631]
RPRML	2.4	Homo sapiens reprimin-like (RPRML), mRNA [NM_203400]
EXOC6	2.4	Homo sapiens exocyst complex component 6 (EXOC6), transcript variant 1, mRNA [NM_019053]
ST8SIA6	2.3	Homo sapiens ST8 alpha-N-acetyl-neuraminidase alpha-2,8-sialyltransferase 6 (ST8SIA6), mRNA [NM_001004470]
HIVEP3	2.3	Transcription factor HIVEP3 (Human immunodeficiency virus type I enhancer-binding protein 3)(Kappa-B and V(D)J recombination signal sequences-binding protein)(Zinc finger protein ZAS3)(Kappa-binding protein 1)(KBP-1) [Source:UniProtKB/Swiss-Prot;Acc:Q5T1R4] [ENST00000372583]
PIBF1	2.3	Homo sapiens progesterone immunomodulatory binding factor 1 (PIBF1), mRNA [NM_006346]
PHLDA1	2.3	Homo sapiens pleckstrin homology-like domain, family A, member 1 (PHLDA1), mRNA [NM_007350]
ZP3	2.3	Homo sapiens zona pellucida glycoprotein 3 (sperm receptor) (ZP3), transcript variant 2, mRNA [NM_007155]
ATM	2.3	Homo sapiens ataxia telangiectasia mutated (ATM), transcript variant 1, mRNA [NM_000051]
MANEA	2.3	Homo sapiens mannosidase, endo-alpha (MANEA), mRNA [NM_024641]
MARS2	2.3	Homo sapiens methionyl-tRNA synthetase 2, mitochondrial (MARS2), nuclear gene encoding mitochondrial protein, mRNA [NM_138395]
CAV1	2.3	Homo sapiens caveolin 1, caveolae protein, 22kDa (CAV1), mRNA [NM_001753]
ZNF121	2.3	Homo sapiens zinc finger protein 121 (ZNF121), mRNA [NM_001008727]
KRTAP21-1	2.3	Homo sapiens keratin associated protein 21-1 (KRTAP21-1), mRNA [NM_181619]
PFKFB3	2.3	Homo sapiens 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 (PFKFB3), transcript variant 1, mRNA [NM_004566]
RPS6KC1	2.3	Homo sapiens ribosomal protein S6 kinase, 52kDa, polypeptide 1 (RPS6KC1), transcript variant 1, mRNA [NM_012424]
HNMT	2.3	Homo sapiens histamine N-methyltransferase (HNMT), transcript variant 1, mRNA [NM_006895]
KLB	2.3	Homo sapiens klotho beta (KLB), mRNA [NM_175737]
LMAN1	2.3	Homo sapiens lectin, mannose-binding, 1 (LMAN1), mRNA [NM_005570]
SLC12A8	2.3	Homo sapiens solute carrier family 12 (potassium/chloride transporters), member 8 (SLC12A8), mRNA [NM_024628]
IL6ST	2.3	Homo sapiens interleukin 6 signal transducer (gp130, oncostatin M receptor) (IL6ST), transcript variant 2, mRNA [NM_175767]
XPO5	2.3	Homo sapiens exportin 5 (XPO5), mRNA [NM_020750]
PTP4A1	2.3	Homo sapiens protein tyrosine phosphatase type IVA, member 1 (PTP4A1), mRNA [NM_003463]
VIM	2.3	Homo sapiens vimentin (VIM), mRNA [NM_003380]
SACS	2.3	Homo sapiens spastic ataxia of Charlevoix-Saguenay (sacsin) (SACS), mRNA [NM_014363]
FST	2.3	Homo sapiens follistatin (FST), transcript variant FST344, mRNA [NM_013409]
LONRF2	2.3	Homo sapiens LON peptidase N-terminal domain and ring finger 2 (LONRF2), mRNA [NM_198461]
AKR1C3	2.3	Homo sapiens aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II) (AKR1C3), mRNA [NM_003739]

MAP7D3	2.3	MAP7 domain-containing protein 3 [Source:UniProtKB/Swiss-Prot;Acc:Q8IWC1] [ENST00000316077]
CD44	2.3	Homo sapiens CD44 molecule (Indian blood group) (CD44), transcript variant 1, mRNA [NM_000610]
ACER3	2.3	Homo sapiens alkaline ceramidase 3 (ACER3), mRNA [NM_018367]
SPATA13	2.3	Homo sapiens spermatogenesis associated 13 (SPATA13), transcript variant 1, mRNA [NM_001166271]
ARID5A	2.3	Homo sapiens AT rich interactive domain 5A (MRF1-like) (ARID5A), mRNA [NM_212481]
CRISP2	2.3	Homo sapiens cysteine-rich secretory protein 2 (CRISP2), transcript variant 1, mRNA [NM_003296]
IRS1	2.3	Homo sapiens insulin receptor substrate 1 (IRS1), mRNA [NM_005544]
FAM156B	2.3	Homo sapiens family with sequence similarity 156, member B (FAM156B), mRNA [NM_001099684]
PPARGC1B	2.3	Homo sapiens peroxisome proliferator-activated receptor gamma, coactivator 1 beta (PPARGC1B), mRNA [NM_133263]
S1PR4	2.3	Homo sapiens sphingosine-1-phosphate receptor 4 (S1PR4), mRNA [NM_003775]
UBA6	2.3	Homo sapiens ubiquitin-like modifier activating enzyme 6 (UBA6), mRNA [NM_018227]
ESF1	2.3	Homo sapiens ESF1, nucleolar pre-rRNA processing protein, homolog (<i>S. cerevisiae</i>) (ESF1), mRNA [NM_016649]
DHX33	2.3	Homo sapiens DEAH (Asp-Glu-Ala-His) box polypeptide 33 (DHX33), mRNA [NM_020162]
TUBE1	2.3	Homo sapiens tubulin, epsilon 1 (TUBE1), mRNA [NM_016262]
UST	2.3	Homo sapiens uronyl-2-sulfotransferase (UST), mRNA [NM_005715]
PDCD11	2.3	Homo sapiens programmed cell death 11 (PDCD11), mRNA [NM_014976]
HLF	2.3	Homo sapiens hepatic leukemia factor (HLF), mRNA [NM_002126]
RNPS1	2.3	Homo sapiens RNA binding protein S1, serine-rich domain (RNPS1), transcript variant 1, mRNA [NM_006711]
ERRFI1	2.3	Homo sapiens ERBB receptor feedback inhibitor 1 (ERRFI1), mRNA [NM_018948]
ZBTB33	2.3	Homo sapiens zinc finger and BTB domain containing 33 (ZBTB33), mRNA [NM_006777]
AGFG1	2.3	Homo sapiens ArfGAP with FG repeats 1 (AGFG1), transcript variant 1, mRNA [NM_001135187]
PGAM2	2.3	Homo sapiens phosphoglycerate mutase 2 (muscle) (PGAM2), mRNA [NM_000290]
WISP2	2.3	Homo sapiens WNT1 inducible signaling pathway protein 2 (WISP2), mRNA [NM_003881]
PLAA	2.3	Homo sapiens phospholipase A2-activating protein (PLAA), mRNA [NM_001031689]
TBL3	2.3	Homo sapiens transducin (beta)-like 3 (TBL3), mRNA [NM_006453]
NOL8	2.3	Homo sapiens nucleolar protein 8 (NOL8), transcript variant 1, mRNA [NM_017948]
GPRC5A	2.3	Homo sapiens G protein-coupled receptor, family C, group 5, member A (GPRC5A), mRNA [NM_003979]
ERI2	2.3	Homo sapiens ERI1 exoribonuclease family member 2 (ERI2), transcript variant 1, mRNA [NM_001142725]
DPH3	2.3	Homo sapiens DPH3, KTI11 homolog (<i>S. cerevisiae</i>) (DPH3), transcript variant 1, mRNA [NM_206831]
DHRS3	2.3	Homo sapiens dehydrogenase/reductase (SDR family) member 3 (DHRS3), mRNA [NM_004753]
IGFL2	2.3	Homo sapiens cDNA FLJ43766 fis, clone TESTI2049246. [AK125754]
ZNF222	2.3	Homo sapiens zinc finger protein 222 (ZNF222), transcript variant 2, mRNA [NM_013360]
CASP8AP2	2.3	Homo sapiens caspase 8 associated protein 2 (CASP8AP2), transcript variant 1, mRNA [NM_012115]
RRS1	2.3	Homo sapiens RRS1 ribosome biogenesis regulator homolog (<i>S. cerevisiae</i>) (RRS1), mRNA [NM_015169]
ECE1	2.3	Homo sapiens endothelin converting enzyme 1 (ECE1), transcript variant 1, mRNA [NM_001397]
JAK2	2.3	Homo sapiens Janus kinase 2 (JAK2), mRNA [NM_004972]
AUTS2	2.3	Homo sapiens autism susceptibility candidate 2 (AUTS2), transcript variant 3, mRNA [NM_001127232]
OTUD4	2.3	Homo sapiens OTU domain containing 4 (OTUD4), transcript variant 1, mRNA [NM_199324]
PAN3	2.3	Homo sapiens PAN3 poly(A) specific ribonuclease subunit homolog (<i>S. cerevisiae</i>) (PAN3), mRNA [NM_175854]
MCOLN2	2.3	Homo sapiens mucolipin 2 (MCOLN2), mRNA [NM_153259]
C6orf162	2.3	Homo sapiens chromosome 6 open reading frame 162 (C6orf162), transcript variant 1, mRNA [NM_001042493]
MYOF	2.3	Homo sapiens myoferlin (MYOF), transcript variant 2, mRNA [NM_133337]
PRR3	2.3	Homo sapiens proline rich 3 (PRR3), transcript variant 1, mRNA [NM_025263]

KCNK6	2.2	Homo sapiens potassium channel, subfamily K, member 6 (KCNK6), mRNA [NM_004823]
ZNF23	2.2	Homo sapiens zinc finger protein 23 (KOX 16) (ZNF23), mRNA [NM_145911]
RASAL2	2.2	Homo sapiens RAS protein activator like 2 (RASAL2), transcript variant 2, mRNA [NM_170692]
PCM1	2.2	Homo sapiens pericentriolar material 1 (PCM1), mRNA [NM_006197]
PLD6	2.2	Homo sapiens phospholipase D family, member 6 (PLD6), mRNA [NM_178836]
PAK1IP1	2.2	Homo sapiens PAK1 interacting protein 1 (PAK1IP1), mRNA [NM_017906]
ANO2	2.2	Homo sapiens anoctamin 2 (ANO2), mRNA [NM_020373]
ZNF462	2.2	Homo sapiens zinc finger protein 462 (ZNF462), mRNA [NM_021224]
EIF1AX	2.2	Homo sapiens eukaryotic translation initiation factor 1A, X-linked (EIF1AX), mRNA [NM_001412]
TFF1	2.2	Homo sapiens trefoil factor 1 (TFF1), mRNA [NM_003225]
TMEM18	2.2	Homo sapiens transmembrane protein 18 (TMEM18), mRNA [NM_152834]
SON	2.2	Homo sapiens SON DNA binding protein (SON), transcript variant b, mRNA [NM_032195]
NBN	2.2	Homo sapiens nibrin (NBN), mRNA [NM_002485]
ZKSCAN5	2.2	Homo sapiens zinc finger with KRAB and SCAN domains 5 (ZKSCAN5), transcript variant 1, mRNA [NM_014569]
BEND3	2.2	Homo sapiens BEN domain containing 3 (BEND3), mRNA [NM_001080450]
AOX1	2.2	Homo sapiens aldehyde oxidase 1 (AOX1), mRNA [NM_001159]
MCOLN3	2.2	Homo sapiens mucolipin 3 (MCOLN3), mRNA [NM_018298]
POLR3F	2.2	Homo sapiens polymerase (RNA) III (DNA directed) polypeptide F, 39 kDa (POLR3F), mRNA [NM_006466]
IMPACT	2.2	Homo sapiens Impact homolog (mouse) (IMPACT), mRNA [NM_018439]
NHEJ1	2.2	Homo sapiens nonhomologous end-joining factor 1 (NHEJ1), mRNA [NM_024782]
PCDHA11	2.2	Homo sapiens protocadherin alpha 11 (PCDHA11), transcript variant 2, mRNA [NM_031861]
KRTAP10-4	2.2	Homo sapiens keratin associated protein 10-4 (KRTAP10-4), mRNA [NM_198687]
GLUL	2.2	Homo sapiens glutamate-ammonia ligase (glutamine synthetase) (GLUL), transcript variant 1, mRNA [NM_002065]
QSOX2	2.2	Homo sapiens quiescinc Q6 sulfhydryl oxidase 2 (QSOX2), mRNA [NM_181701]
UNC13B	2.2	Homo sapiens unc-13 homolog B (C. elegans) (UNC13B), mRNA [NM_006377]
POLR1D	2.2	Homo sapiens polymerase (RNA) I polypeptide D, 16kDa (POLR1D), transcript variant 2, mRNA [NM_152705]
ADAMTS17	2.2	Homo sapiens ADAM metalloproteinase with thrombospondin type 1 motif, 17 (ADAMTS17), mRNA [NM_139057]
PARP6	2.2	Homo sapiens poly (ADP-ribose) polymerase family, member 6 (PARP6), mRNA [NM_020214]
SNX9	2.2	Homo sapiens sorting nexin 9 (SNX9), mRNA [NM_016224]
FLNB	2.2	Homo sapiens filamin B, beta (FLNB), transcript variant 2, mRNA [NM_001457]
MYPN	2.2	Homo sapiens myopalladin (MYPN), mRNA [NM_032578]
GPX8	2.2	Homo sapiens glutathione peroxidase 8 (putative) (GPX8), mRNA [NM_001008397]
ZNF627	2.2	Homo sapiens zinc finger protein 627 (ZNF627), mRNA [NM_145295]
FAIM3	2.2	Homo sapiens Fas apoptotic inhibitory molecule 3 (FAIM3), transcript variant 1, mRNA [NM_005449]
ZNF813	2.2	Homo sapiens zinc finger protein 813 (ZNF813), mRNA [NM_001004301]
SLC30A7	2.2	Homo sapiens solute carrier family 30 (zinc transporter), member 7 (SLC30A7), transcript variant 1, mRNA [NM_133496]
ZNF799	2.2	Homo sapiens zinc finger protein 799 (ZNF799), mRNA [NM_001080821]
NOP16	2.2	Homo sapiens NOP16 nucleolar protein homolog (yeast) (NOP16), mRNA [NM_016391]
PADI2	2.2	Homo sapiens peptidyl arginine deiminase, type II (PADI2), mRNA [NM_007365]
CCDC112	2.2	Homo sapiens coiled-coil domain containing 112 (CCDC112), transcript variant 2, mRNA [NM_152549]
SUSD4	2.2	Homo sapiens sushi domain containing 4 (SUSD4), transcript variant 2, mRNA [NM_001037175]
SPIN3	2.2	Homo sapiens spindlin family, member 3 (SPIN3), transcript variant 1, mRNA [NM_001010862]
ALS2	2.2	Homo sapiens amyotrophic lateral sclerosis 2 (juvenile) (ALS2), transcript variant 2, mRNA [NM_001135745]

ZBTB9	2.2	Homo sapiens zinc finger and BTB domain containing 9 (ZBTB9), mRNA [NM_152735]
RNF14	2.2	Homo sapiens ring finger protein 14 (RNF14), transcript variant 1, mRNA [NM_004290]
BTAF1	2.2	Homo sapiens BTAF1 RNA polymerase II, B-TFIID transcription factor-associated, 170kDa (Mot1 homolog, <i>S. cerevisiae</i>) (BTAF1), mRNA [NM_003972]
OXER1	2.2	Homo sapiens oxoecicosanoid (OXE) receptor 1 (OXER1), mRNA [NM_148962]
TSEN2	2.2	Homo sapiens tRNA splicing endonuclease 2 homolog (<i>S. cerevisiae</i>) (TSEN2), transcript variant 1, mRNA [NM_025265]
MBLAC2	2.2	Homo sapiens metallo-beta-lactamase domain containing 2 (MBLAC2), mRNA [NM_203406]
ARPP19	2.2	Homo sapiens cAMP-regulated phosphoprotein, 19kDa (ARPP19), mRNA [NM_006628]
NOP2	2.2	Homo sapiens NOP2 nucleolar protein homolog (yeast) (NOP2), transcript variant 2, mRNA [NM_001033714]
OXNAD1	2.2	Homo sapiens oxidoreductase NAD-binding domain containing 1 (OXNAD1), mRNA [NM_138381]
SPIN1	2.2	Homo sapiens spindlin 1 (SPIN1), mRNA [NM_006717]
RRP9	2.2	Homo sapiens ribosomal RNA processing 9, small subunit (SSU) processome component, homolog (yeast) (RRP9), mRNA [NM_004704]
GLDN	2.2	Homo sapiens gliomedin (GLDN), mRNA [NM_181789]
DYRK3	2.2	Homo sapiens dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3 (DYRK3), transcript variant 2, mRNA [NM_001004023]
ROR1	2.2	Homo sapiens receptor tyrosine kinase-like orphan receptor 1 (ROR1), transcript variant 1, mRNA [NM_005012]
TSGA10	2.2	Homo sapiens testis specific, 10 (TSGA10), transcript variant 1, mRNA [NM_025244]
SLC9A3R1	2.2	Homo sapiens solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1 (SLC9A3R1), mRNA [NM_004252]
PRMT5	2.2	Homo sapiens protein arginine methyltransferase 5 (PRMT5), transcript variant 2, mRNA [NM_001039619]
AKAP1	2.2	Homo sapiens A kinase (PRKA) anchor protein 1 (AKAP1), nuclear gene encoding mitochondrial protein, mRNA [NM_003488]
EMR2	2.2	Homo sapiens egf-like module containing, mucin-like, hormone receptor-like 2 (EMR2), transcript variant 1, mRNA [NM_013447]
EEF1A1	2.2	Homo sapiens eukaryotic translation elongation factor 1 alpha 1 (EEF1A1), mRNA [NM_001402]
NFE2L2	2.2	Homo sapiens nuclear factor (erythroid-derived 2)-like 2 (NFE2L2), transcript variant 1, mRNA [NM_006164]
ELK1	2.2	Homo sapiens ELK1, member of ETS oncogene family (ELK1), transcript variant 2, mRNA [NM_005229]
GRPEL2	2.2	Homo sapiens GrpE-like 2, mitochondrial (<i>E. coli</i>) (GRPEL2), nuclear gene encoding mitochondrial protein, mRNA [NM_152407]
PNO1	2.2	Homo sapiens partner of NOB1 homolog (<i>S. cerevisiae</i>) (PNO1), mRNA [NM_020143]
RNF44	2.2	Homo sapiens ring finger protein 44 (RNF44), mRNA [NM_014901]
TCP1	2.2	Homo sapiens t-complex 1 (TCP1), transcript variant 1, mRNA [NM_030752]
UTP20	2.2	Homo sapiens UTP20, small subunit (SSU) processome component, homolog (yeast) (UTP20), mRNA [NM_014503]
EPS15L1	2.2	Homo sapiens epidermal growth factor receptor pathway substrate 15-like 1 (EPS15L1), mRNA [NM_021235]
NUS1	2.2	Homo sapiens nuclear undecaprenyl pyrophosphate synthase 1 homolog (<i>S. cerevisiae</i>) (NUS1), mRNA [NM_138459]
TSPO2	2.2	Homo sapiens translocator protein 2 (TSPO2), transcript variant 1, mRNA [NM_001010873]
FAM123B	2.2	Homo sapiens family with sequence similarity 123B (FAM123B), mRNA [NM_152424]
MORC2	2.2	Homo sapiens MORC family CW-type zinc finger 2 (MORC2), mRNA [NM_014941]
PNPT1	2.2	Homo sapiens polyribonucleotide nucleotidyltransferase 1 (PNPT1), mRNA [NM_033109]
CD163L1	2.2	Homo sapiens CD163 molecule-like 1 (CD163L1), mRNA [NM_174941]
SLK	2.2	Homo sapiens STE20-like kinase (yeast) (SLK), mRNA [NM_014720]
E2F6	2.2	Homo sapiens E2F transcription factor 6 (E2F6), mRNA [NM_198256]
PVR	2.2	Homo sapiens poliovirus receptor (PVR), transcript variant 1, mRNA [NM_006505]
GTPBP10	2.2	Homo sapiens GTP-binding protein 10 (putative) (GTPBP10), transcript variant 2, mRNA [NM_033107]
BARHL1	2.2	Homo sapiens BarH-like homeobox 1 (BARHL1), mRNA [NM_020064]
SERINC3	2.1	Homo sapiens serine incorporator 3 (SERINC3), transcript variant 2, mRNA [NM_198941]
IFFO1	2.1	Homo sapiens intermediate filament family orphan 1 (IFFO1), transcript variant 4, mRNA [NM_001039670]
ARF1	2.1	Homo sapiens ADP-ribosylation factor 1 (ARF1), transcript variant 1, mRNA [NM_001024227]

TIAM1	2.1	Homo sapiens T-cell lymphoma invasion and metastasis 1 (TIAM1), mRNA [NM_003253]
L2HGDH	2.1	Homo sapiens L-2-hydroxyglutarate dehydrogenase (L2HGDH), nuclear gene encoding mitochondrial protein, mRNA [NM_024884]
PUS7	2.1	Homo sapiens pseudouridylate synthase 7 homolog (<i>S. cerevisiae</i>) (PUS7), mRNA [NM_019042]
ZNF695	2.1	Homo sapiens zinc finger protein 695 (ZNF695), mRNA [NM_020394]
GAD1	2.1	Homo sapiens glutamate decarboxylase 1 (brain, 67kDa) (GAD1), transcript variant GAD25, mRNA [NM_013445]
YARS	2.1	Homo sapiens tyrosyl-tRNA synthetase (YARS), mRNA [NM_003680]
NOLC1	2.1	Homo sapiens nucleolar and coiled-body phosphoprotein 1 (NOLC1), mRNA [NM_004741]
AMD1	2.1	Homo sapiens adenosylmethionine decarboxylase 1 (AMD1), transcript variant 1, mRNA [NM_001634]
GORAB	2.1	Homo sapiens golgin, RAB6-interacting (GORAB), transcript variant 1, mRNA [NM_152281]
SCAMP1	2.1	Homo sapiens secretory carrier membrane protein 1 (SCAMP1), mRNA [NM_004866]
PPAT	2.1	Homo sapiens phosphoribosyl pyrophosphate amidotransferase (PPAT), mRNA [NM_002703]
MYOF	2.1	Homo sapiens myoferlin (MYOF), transcript variant 1, mRNA [NM_013451]
MKI67IP	2.1	Homo sapiens MKI67 (FHA domain) interacting nucleolar phosphoprotein (MKI67IP), mRNA [NM_032390]
SPRED1	2.1	Homo sapiens sprouty-related, EVH1 domain containing 1 (SPRED1), mRNA [NM_152594]
HKR1	2.1	Homo sapiens GLI-Kruppel family member HKR1 (HKR1), mRNA [NM_181786]
RAMP1	2.1	Homo sapiens receptor (G protein-coupled) activity modifying protein 1 (RAMP1), mRNA [NM_005855]
ING3	2.1	Homo sapiens inhibitor of growth family, member 3 (ING3), transcript variant 3, mRNA [NM_198267]
ZNF485	2.1	Homo sapiens zinc finger protein 485 (ZNF485), mRNA [NM_145312]
RRP1	2.1	Homo sapiens ribosomal RNA processing 1 homolog (<i>S. cerevisiae</i>) (RRP1), mRNA [NM_003683]
SHPRH	2.1	Homo sapiens SNF2 histone linker PHD RING helicase (SHPRH), transcript variant 1, mRNA [NM_001042683]
CABC1	2.1	Homo sapiens chaperone, ABC1 activity of bc1 complex homolog (<i>S. pombe</i>) (CABC1), nuclear gene encoding mitochondrial protein, mRNA [NM_020247]
MFAP3	2.1	Homo sapiens microfibrillar-associated protein 3 (MFAP3), transcript variant 1, mRNA [NM_005927]
DDX18	2.1	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 18 (DDX18), mRNA [NM_006773]
IKBIP	2.1	Homo sapiens IKBKB interacting protein (IKBIP), transcript variant 1, mRNA [NM_153687]
WDR75	2.1	Homo sapiens WD repeat domain 75 (WDR75), mRNA [NM_032168]
THSD4	2.1	Homo sapiens thrombospondin, type I, domain containing 4 (THSD4), mRNA [NM_024817]
POLR1E	2.1	Homo sapiens polymerase (RNA) I polypeptide E, 53kDa (POLR1E), mRNA [NM_022490]
ANAPC7	2.1	Homo sapiens anaphase promoting complex subunit 7 (ANAPC7), transcript variant 1, mRNA [NM_016238]
ZSCAN22	2.1	Homo sapiens zinc finger and SCAN domain containing 22 (ZSCAN22), mRNA [NM_181846]
CTNNA3	2.1	Homo sapiens catenin (cadherin-associated protein), alpha 3 (CTNNA3), transcript variant 1, mRNA [NM_013266]
KCNG4	2.1	Homo sapiens potassium voltage-gated channel, subfamily G, member 4 (KCNG4), mRNA [NM_172347]
PIK3CA	2.1	Homo sapiens phosphoinositide-3-kinase, catalytic, alpha polypeptide (PIK3CA), mRNA [NM_006218]
DOK1	2.1	Homo sapiens docking protein 1, 62kDa (downstream of tyrosine kinase 1) (DOK1), mRNA [NM_001381]
PRKY	2.1	Homo sapiens protein kinase, Y-linked (PRKY), non-coding RNA [NR_028062]
FREQ	2.1	Homo sapiens frequenin homolog (<i>Drosophila</i>) (FREQ), transcript variant 1, mRNA [NM_014286]
ZNF57	2.1	Homo sapiens zinc finger protein 57 (ZNF57), mRNA [NM_173480]
WWP1	2.1	Homo sapiens WW domain containing E3 ubiquitin protein ligase 1 (WWP1), mRNA [NM_007013]
RALGAPA2	2.1	Homo sapiens Ral GTPase activating protein, alpha subunit 2 (catalytic) (RALGAPA2), mRNA [NM_020343]
TARDBP	2.1	Homo sapiens TAR DNA binding protein (TARDBP), mRNA [NM_007375]
TLL1	2.1	Homo sapiens tubulin tyrosine ligase-like family, member 11 (TLL1), transcript variant 2, mRNA [NM_194252]
PRAGMIN	2.1	Homo sapiens homolog of rat pragma of Rnd2 (PRAGMIN), mRNA [NM_001080826]
ZNF354A	2.1	Homo sapiens zinc finger protein 354A (ZNF354A), mRNA [NM_005649]

GPATCH4	2.1	Homo sapiens G patch domain containing 4 (GPATCH4), transcript variant 2, mRNA [NM_182679]
PRRC1	2.1	Homo sapiens proline-rich coiled-coil 1 (PRRC1), mRNA [NM_130809]
MKI67IP	2.1	Homo sapiens MKI67 (FHA domain) interacting nucleolar phosphoprotein (MKI67IP), mRNA [NM_032390]
HNRPDL	2.1	Homo sapiens heterogeneous nuclear ribonucleoprotein D-like (HNRPDL), transcript variant 2, mRNA [NM_031372]
MTHFD1L	2.1	Homo sapiens methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like (MTHFD1L), mRNA [NM_015440]
WDR46	2.1	Homo sapiens WD repeat domain 46 (WDR46), transcript variant 1, mRNA [NM_005452]
MYBBP1A	2.1	Homo sapiens MYB binding protein (P160) 1a (MYBBP1A), transcript variant 2, mRNA [NM_014520]
GPR137C	2.1	Homo sapiens G protein-coupled receptor 137C (GPR137C), mRNA [NM_001099652]
PRELID2	2.1	Homo sapiens PRELI domain containing 2 (PRELID2), transcript variant 3, mRNA [NM_138492]
ADCY1	2.1	Homo sapiens adenylate cyclase 1 (brain) (ADCY1), mRNA [NM_021116]
NAB1	2.1	Homo sapiens NGFI-A binding protein 1 (EGR1 binding protein 1) (NAB1), mRNA [NM_005966]
SDAD1	2.1	Homo sapiens SDA1 domain containing 1 (SDAD1), mRNA [NM_018115]
MAFF	2.1	Homo sapiens v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian) (MAFF), transcript variant 1, mRNA [NM_012323]
SYT1	2.1	Homo sapiens synaptotagmin I (SYT1), transcript variant 2, mRNA [NM_001135805]
CTAGE4	2.1	Homo sapiens CTAGE family, member 4 (CTAGE4), mRNA [NM_198495]
PTPN2	2.1	Homo sapiens protein tyrosine phosphatase, non-receptor type 2 (PTPN2), transcript variant 1, mRNA [NM_002828]
PTPRM	2.1	Homo sapiens protein tyrosine phosphatase, receptor type, M (PTPRM), transcript variant 2, mRNA [NM_002845]
STARD13	2.1	Homo sapiens StAR-related lipid transfer (START) domain containing 13 (STARD13), transcript variant alpha, mRNA [NM_178006]
DNALI1	2.1	Homo sapiens dynein, axonemal, light intermediate chain 1 (DNALI1), mRNA [NM_003462]
ZNF184	2.1	Homo sapiens zinc finger protein 184 (ZNF184), mRNA [NM_007149]
CD3EAP	2.1	Homo sapiens CD3e molecule, epsilon associated protein (CD3EAP), mRNA [NM_012099]
SLC6A6	2.1	Homo sapiens solute carrier family 6 (neurotransmitter transporter, taurine), member 6 (SLC6A6), transcript variant 1, mRNA [NM_003043]
ABCD3	2.1	Homo sapiens ATP-binding cassette, sub-family D (ALD), member 3 (ABCD3), transcript variant 2, mRNA [NM_001122674]
PPRC1	2.1	Homo sapiens peroxisome proliferator-activated receptor gamma, coactivator-related 1 (PPRC1), mRNA [NM_015062]
IGFBP3	2.1	Homo sapiens insulin-like growth factor binding protein 3 (IGFBP3), transcript variant 1, mRNA [NM_001013398]
PCDHA6	2.1	Homo sapiens protocadherin alpha 6 (PCDHA6), transcript variant 2, mRNA [NM_031848]
SFRS13A	2.0	Homo sapiens splicing factor, arginine/serine-rich 13A (SFRS13A), transcript variant 2, mRNA [NM_054016]
MRRF	2.0	Homo sapiens mitochondrial ribosome recycling factor (MRRF), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_199177]
PPIA	2.0	Homo sapiens peptidylprolyl isomerase A (cyclophilin A) (PPIA), mRNA [NM_021130]
CLDN14	2.0	Homo sapiens claudin 14 (CLDN14), transcript variant 1, mRNA [NM_144492]
ZNF518A	2.0	Homo sapiens zinc finger protein 518A (ZNF518A), mRNA [NM_014803]
NDEL1	2.0	Homo sapiens nudE nuclear distribution gene E homolog (A. nidulans)-like 1 (NDEL1), transcript variant 2, mRNA [NM_030808]
TREM2	2.0	Homo sapiens triggering receptor expressed on myeloid cells 2 (TREM2), mRNA [NM_018965]
ACAD10	2.0	Homo sapiens acyl-Coenzyme A dehydrogenase family, member 10 (ACAD10), transcript variant 2, mRNA [NM_025247]
VPS8	2.0	Homo sapiens vacuolar protein sorting 8 homolog (S. cerevisiae) (VPS8), transcript variant 1, mRNA [NM_001009921]
TFRC	2.0	Homo sapiens transferrin receptor (p90, CD71) (TFRC), mRNA [NM_003234]
AMFR	2.0	Homo sapiens autocrine motility factor receptor (AMFR), mRNA [NM_001144]
ANKIB1	2.0	Homo sapiens ankyrin repeat and IBR domain containing 1 (ANKIB1), mRNA [NM_019004]
LRRC8B	2.0	Homo sapiens leucine rich repeat containing 8 family, member B (LRRC8B), transcript variant 1, mRNA [NM_015350]
POLR1C	2.0	Homo sapiens polymerase (RNA) I polypeptide C, 30kDa (POLR1C), transcript variant 2, mRNA [NM_004875]
UTP15	2.0	Homo sapiens UTP15, U3 small nucleolar ribonucleoprotein, homolog (S. cerevisiae) (UTP15), mRNA [NM_032175]
BATF2	2.0	Homo sapiens basic leucine zipper transcription factor, ATF-like 2 (BATF2), mRNA [NM_138456]

ZFX	2.0	Homo sapiens zinc finger protein, X-linked (ZFX), mRNA [NM_003410]
BYSL	2.0	Homo sapiens bystin-like (BYSL), mRNA [NM_004053]
ATAD3C	2.0	Homo sapiens ATPase family, AAA domain containing 3C (ATAD3C), mRNA [NM_001039211]
TPBG	2.0	Homo sapiens trophoblast glycoprotein (TPBG), transcript variant 1, mRNA [NM_006670]
PRKAA1	2.0	Homo sapiens protein kinase, AMP-activated, alpha 1 catalytic subunit (PRKAA1), transcript variant 2, mRNA [NM_206907]
SETD2	2.0	Homo sapiens SET domain containing 2 (SETD2), mRNA [NM_014159]
PROKR2	2.0	Homo sapiens prokineticin receptor 2 (PROKR2), mRNA [NM_144773]
ZNF84	2.0	Homo sapiens zinc finger protein 84 (ZNF84), transcript variant 1, mRNA [NM_003428]
PDCD6IP	2.0	Homo sapiens programmed cell death 6 interacting protein (PDCD6IP), transcript variant 1, mRNA [NM_013374]
PARP11	2.0	Homo sapiens poly (ADP-ribose) polymerase family, member 11 (PARP11), mRNA [NM_020367]
GFI1B	2.0	Homo sapiens growth factor independent 1B transcription repressor (GFI1B), transcript variant 1, mRNA [NM_004188]
GNL3	2.0	Homo sapiens guanine nucleotide binding protein-like 3 (nucleolar) (GNL3), transcript variant 1, mRNA [NM_014366]
GARS	2.0	Homo sapiens glycyl-tRNA synthetase (GARS), mRNA [NM_002047]
MAP6	2.0	Homo sapiens microtubule-associated protein 6 (MAP6), transcript variant 1, mRNA [NM_033063]
LGMN	2.0	Homo sapiens legumin (LGMN), transcript variant 2, mRNA [NM_001008530]
FAM86A	2.0	Homo sapiens family with sequence similarity 86, member A (FAM86A), transcript variant 1, mRNA [NM_201400]
HK2	2.0	Homo sapiens hexokinase 2 (HK2), mRNA [NM_000189]
ELK1	2.0	Homo sapiens ELK1, member of ETS oncogene family (ELK1), transcript variant 1, mRNA [NM_001114123]
SFRS7	2.0	Homo sapiens splicing factor, arginine/serine-rich 7, 35kDa (SFRS7), mRNA [NM_001031684]
RABL3	2.0	Homo sapiens RAB, member of RAS oncogene family-like 3 (RABL3), mRNA [NM_173825]
PPTC7	2.0	Homo sapiens PTC7 protein phosphatase homolog (S. cerevisiae) (PPTC7), mRNA [NM_139283]
TMEM2	2.0	Homo sapiens transmembrane protein 2 (TMEM2), transcript variant 1, mRNA [NM_013390]
AGPAT6	2.0	Homo sapiens 1-acylglycerol-3-phosphate O-acyltransferase 6 (lysophosphatidic acid acyltransferase, zeta) (AGPAT6), mRNA [NM_178819]
RPS6KA3	2.0	Homo sapiens ribosomal protein S6 kinase, 90kDa, polypeptide 3 (RPS6KA3), mRNA [NM_004586]
OAS2	2.0	Homo sapiens 2'-5'-oligoadenylate synthetase 2, 69/71kDa (OAS2), transcript variant 3, mRNA [NM_001032731]
SIRT1	2.0	Homo sapiens sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae) (SIRT1), transcript variant 1, mRNA [NM_012238]
CC2D2A	2.0	Homo sapiens coiled-coil and C2 domain containing 2A (CC2D2A), transcript variant 1, mRNA [NM_001080522]
AKR1C1	2.0	Homo sapiens aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase) (AKR1C1), mRNA [NM_001353]
FAM3C	2.0	Homo sapiens family with sequence similarity 3, member C (FAM3C), transcript variant 1, mRNA [NM_014888]
CYP26B1	2.0	Homo sapiens cytochrome P450, family 26, subfamily B, polypeptide 1 (CYP26B1), mRNA [NM_019885]
KRT32	2.0	Homo sapiens keratin 32 (KRT32), mRNA [NM_002278]
TMEM168	2.0	Homo sapiens transmembrane protein 168 (TMEM168), mRNA [NM_022484]
HNRPDL	2.0	Homo sapiens heterogeneous nuclear ribonucleoprotein D-like (HNRPDL), transcript variant 2, mRNA [NM_031372]
DSCAM	2.0	Homo sapiens Down syndrome cell adhesion molecule (DSCAM), transcript variant 1, mRNA [NM_001389]
MTMR9	2.0	Homo sapiens myotubularin related protein 9 (MTMR9), mRNA [NM_015458]
SUCLA2	2.0	Homo sapiens succinate-CoA ligase, ADP-forming, beta subunit (SUCLA2), nuclear gene encoding mitochondrial protein, mRNA [NM_003850]
ADCK2	2.0	Homo sapiens aarF domain containing kinase 2 (ADCK2), mRNA [NM_052853]
SOX3	2.0	Homo sapiens SRY (sex determining region Y)-box 3 (SOX3), mRNA [NM_005634]
HRK	2.0	Homo sapiens harakiri, BCL2 interacting protein (contains only BH3 domain) (HRK), mRNA [NM_003806]
AIDA	2.0	Homo sapiens axin interactor, dorsalization associated (AIDA), mRNA [NM_022831]
ZBTB6	2.0	Homo sapiens zinc finger and BTB domain containing 6 (ZBTB6), mRNA [NM_006626]
DEPDC6	2.0	Homo sapiens DEP domain containing 6 (DEPDC6), mRNA [NM_022783]

CRKL	2.0	Homo sapiens v-crk sarcoma virus CT10 oncogene homolog (avian)-like (CRKL), mRNA [NM_005207]
PTCD3	2.0	Homo sapiens Pentatricopeptide repeat domain 3 (PTCD3), mRNA [NM_017952]
URB1	2.0	Homo sapiens URB1 ribosome biogenesis 1 homolog (S. cerevisiae) (URB1), mRNA [NM_014825]
SMG1	2.0	Homo sapiens SMG1 homolog, phosphatidylinositol 3-kinase-related kinase (C. elegans) (SMG1), mRNA [NM_015092]
DDX58	2.0	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 (DDX58), mRNA [NM_014314]
WDR1	2.0	Homo sapiens WD repeat domain 1 (WDR1), transcript variant 1, mRNA [NM_017491]
KLHDC5	2.0	Homo sapiens kelch domain containing 5 (KLHDC5), mRNA [NM_020782]
ZNF735	2.0	Homo sapiens zinc finger protein 735 (ZNF735), mRNA [NM_001159524]
FUT9	2.0	Homo sapiens fucosyltransferase 9 (alpha (1,3) fucosyltransferase) (FUT9), mRNA [NM_006581]
SCD	2.0	Homo sapiens stearoyl-CoA desaturase (delta-9-desaturase) (SCD), mRNA [NM_005063]
CREB5	2.0	Homo sapiens cAMP responsive element binding protein 5 (CREB5), transcript variant 1, mRNA [NM_182898]
ZNF589	2.0	Homo sapiens zinc finger protein 589 (ZNF589), mRNA [NM_016089]
ZNF532	2.0	Homo sapiens zinc finger protein 532 (ZNF532), mRNA [NM_018181]
EI24	2.0	Homo sapiens etoposide induced 2.4 mRNA (EI24), transcript variant 1, mRNA [NM_004879]
DOCK7	2.0	Homo sapiens dedicator of cytokinesis 7 (DOCK7), mRNA [NM_033407]
BRX1	2.0	Homo sapiens BRX1, biogenesis of ribosomes, homolog (S. cerevisiae) (BRX1), mRNA [NM_018321]
CD244	2.0	Homo sapiens CD244 molecule, natural killer cell receptor 2B4 (CD244), transcript variant 2, mRNA [NM_001166663]
USP3	2.0	Homo sapiens ubiquitin specific peptidase 3 (USP3), mRNA [NM_006537]
CCDC49	2.0	Homo sapiens coiled-coil domain containing 49 (CCDC49), mRNA [NM_017748]
MAT1A	2.0	Homo sapiens methionine adenosyltransferase I, alpha (MAT1A), mRNA [NM_000429]
YES1	2.0	Homo sapiens v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1 (YES1), mRNA [NM_005433]
OR1F1	2.0	Homo sapiens olfactory receptor, family 1, subfamily F, member 1 (OR1F1), mRNA [NM_012360]
WTIP	-2.0	Homo sapiens Wilms tumor 1 interacting protein (WTIP), mRNA [NM_001080436]
PALM3	-2.0	Homo sapiens Paralemmin-3 (PALM3), mRNA [NM_001145028]
CRB3	-2.0	Homo sapiens crumbs homolog 3 (Drosophila) (CRB3), transcript variant 2, mRNA [NM_139161]
B3GNT5	-2.0	Homo sapiens UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5 (B3GNT5), mRNA [NM_032047]
RNF43	-2.0	Homo sapiens ring finger protein 43 (RNF43), mRNA [NM_017763]
PPP1R3C	-2.0	Homo sapiens protein phosphatase 1, regulatory (inhibitor) subunit 3C (PPP1R3C), mRNA [NM_005398]
KCTD19	-2.0	Homo sapiens potassium channel tetramerisation domain containing 19 (KCTD19), mRNA [NM_001100915]
BLNK	-2.0	Homo sapiens B-cell linker (BLNK), transcript variant 1, mRNA [NM_013314]
ITPKA	-2.0	Homo sapiens inositol 1,4,5-trisphosphate 3-kinase A (ITPKA), mRNA [NM_002220]
PRINS	-2.1	Homo sapiens psoriasis associated RNA induced by stress (non-protein coding) (PRINS), non-coding RNA [NR_023388]
PRSS22	-2.1	Homo sapiens protease, serine, 22 (PRSS22), mRNA [NM_022119]
MSX2P1	-2.1	Homo sapiens msh homeobox 2 pseudogene 1 (MSX2P1), non-coding RNA [NR_002307]
GLRX	-2.1	Homo sapiens glutaredoxin (thioltransferase) (GLRX), transcript variant 1, mRNA [NM_002064]
HIST1H2BF	-2.1	Homo sapiens histone cluster 1, H2bf (HIST1H2BF), mRNA [NM_003522]
LIPH	-2.1	Homo sapiens lipase, member H (LIPH), mRNA [NM_139248]
EMILIN1	-2.1	Homo sapiens elastin microfibril interfacer 1 (EMILIN1), mRNA [NM_007046]
LHX2	-2.1	Homo sapiens LIM homeobox 2 (LHX2), mRNA [NM_004789]
SOX2	-2.1	Homo sapiens SRY (sex determining region Y)-box 2 (SOX2), mRNA [NM_003106]
PNRC1	-2.1	Homo sapiens proline-rich nuclear receptor coactivator 1 (PNRC1), mRNA [NM_006813]
PLEKHF2	-2.1	Homo sapiens pleckstrin homology domain containing, family F (with FYVE domain) member 2 (PLEKHF2), mRNA [NM_024613]

WNT6	-2.1	Homo sapiens wingless-type MMTV integration site family, member 6 (WNT6), mRNA [NM_006522]
TM4SF1	-2.1	Homo sapiens transmembrane 4 L six family member 1 (TM4SF1), mRNA [NM_014220]
DNAJB5	-2.1	Homo sapiens DnaJ (Hsp40) homolog, subfamily B, member 5 (DNAJB5), transcript variant 3, mRNA [NM_012266]
KLHDC9	-2.2	Homo sapiens kelch domain containing 9 (KLHDC9), transcript variant 2, mRNA [NM_001007255]
CDKN2D	-2.2	Homo sapiens cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4) (CDKN2D), transcript variant 1, mRNA [NM_001800]
COL9A3	-2.2	Homo sapiens collagen, type IX, alpha 3 (COL9A3), mRNA [NM_001853]
EDN2	-2.2	Homo sapiens endothelin 2 (EDN2), mRNA [NM_001956]
TET1	-2.2	Homo sapiens tet oncogene 1 (TET1), mRNA [NM_030625]
TP53INP1	-2.2	Homo sapiens tumor protein p53 inducible nuclear protein 1 (TP53INP1), transcript variant 1, mRNA [NM_033285]
ZNF44	-2.2	Homo sapiens zinc finger protein 44, mRNA (cDNA clone IMAGE:3544853). [BC001868]
S1PR3	-2.2	Homo sapiens sphingosine-1-phosphate receptor 3 (S1PR3), mRNA [NM_005226]
NACC2	-2.2	Homo sapiens NACC family member 2, BEN and BTB (POZ) domain containing (NACC2), mRNA [NM_144653]
CHRNB1	-2.2	Homo sapiens cholinergic receptor, nicotinic, beta 1 (muscle) (CHRNB1), mRNA [NM_000747]
HRASLS2	-2.3	Homo sapiens HRAS-like suppressor 2 (HRASLS2), mRNA [NM_017878]
TSC22D3	-2.3	Homo sapiens TSC22 domain family, member 3 (TSC22D3), transcript variant 2, mRNA [NM_004089]
ABHD8	-2.3	Homo sapiens abhydrolase domain containing 8 (ABHD8), mRNA [NM_024527]
HOPX	-2.3	Homo sapiens HOP homeobox (HOPX), transcript variant 2, mRNA [NM_139211]
FAM84A	-2.3	Homo sapiens family with sequence similarity 84, member A (FAM84A), mRNA [NM_145175]
ZNF821	-2.3	Homo sapiens zinc finger protein 821 (ZNF821), mRNA [NM_017530]
PLEKHA2	-2.3	Homo sapiens pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 2 (PLEKHA2), mRNA [NM_021623]
B3GALT4	-2.4	Homo sapiens UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4 (B3GALT4), mRNA [NM_003782]
SLC31A2	-2.5	Homo sapiens solute carrier family 31 (copper transporters), member 2 (SLC31A2), mRNA [NM_001860]
SALL2	-2.6	Homo sapiens sal-like 2 (Drosophila) (SALL2), mRNA [NM_005407]
GRHL3	-2.6	Homo sapiens grainyhead-like 3 (Drosophila) (GRHL3), transcript variant 2, mRNA [NM_198173]
HEXIM2	-2.7	Homo sapiens hexamethylene bis-acetamide inducible 2 (HEXIM2), mRNA [NM_144608]
BIK	-2.7	Homo sapiens BCL2-interacting killer (apoptosis-inducing) (BIK), mRNA [NM_001197]
S100A9	-2.8	Homo sapiens S100 calcium binding protein A9 (S100A9), mRNA [NM_002965]
S100A8	-2.8	Homo sapiens S100 calcium binding protein A8 (S100A8), mRNA [NM_002964]
SIRT4	-2.9	Homo sapiens sirtuin (silent mating type information regulation 2 homolog) 4 (S. cerevisiae) (SIRT4), mRNA [NM_012240]
PSCA	-3.0	Homo sapiens prostate stem cell antigen (PSCA), mRNA [NM_005672]
VPS37D	-3.0	Homo sapiens vacuolar protein sorting 37 homolog D (S. cerevisiae) (VPS37D), mRNA [NM_001077621]
ARL4D	-3.3	Homo sapiens ADP-ribosylation factor-like 4D (ARL4D), mRNA [NM_001661]
ACTG2	-4.2	Homo sapiens actin, gamma 2, smooth muscle, enteric (ACTG2), mRNA [NM_001615]

¹Fold change in gene expression of MCF-7/pLKO untreated vs. 100 pM β -estradiol treatment for

6 hrs

Supplementary Table 2. MCF-7/pLKO β -estradiol response genes significantly reduced by 2-fold or greater in the absence of HER4/4ICD expression.

Gene	Fold Δ MCF-7 pLKO ¹	Fold Δ MCF-7 H4Si4 ¹	Fold Reduction ²	Description and Genbank Accession
AEN	5.8	1.0	5.8	Homo sapiens apoptosis enhancing nuclease (AEN), mRNA [NM_022767]
IL6ST	5.2	1.0	5.2	Homo sapiens interleukin 6 signal transducer (gp130, oncostatin M receptor) (IL6ST), transcript variant 2, mRNA [NM_175767]
TNPO1	5.1	1.0	5.1	Homo sapiens transportin 1 (TNPO1), transcript variant 1, mRNA [NM_002270]
SMARCAD1	4.4	1.0	4.4	Homo sapiens SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1 (SMARCAD1), transcript variant 1, mRNA [NM_001128429]
CCDC76	4.8	1.1	4.4	Homo sapiens coiled-coil domain containing 76 (CCDC76), mRNA [NM_019083]
THADA	4.0	1.0	4.0	Homo sapiens thyroid adenoma associated (THADA), transcript variant 3, mRNA [NM_001083953]
ZMYM6	3.9	1.0	3.9	Homo sapiens zinc finger, MYM-type 6 (ZMYM6), mRNA [NM_007167]
ATXN3	3.9	1.0	3.9	Homo sapiens ataxin 3 (ATXN3), transcript variant reference, mRNA [NM_004993]
RAB33A	3.9	1.0	3.9	Homo sapiens RAB33A, member RAS oncogene family (RAB33A), mRNA [NM_004794]
PIGW	5.6	1.5	3.8	Homo sapiens phosphatidylinositol glycan anchor biosynthesis, class W (PIGW), mRNA [NM_178517]
USP25	3.8	1.0	3.8	Homo sapiens ubiquitin specific peptidase 25 (USP25), mRNA [NM_013396]
ABHD2	3.8	1.0	3.8	Homo sapiens abhydrolase domain containing 2 (ABHD2), transcript variant 1, mRNA [NM_007011]
HSPA4L	3.6	1.0	3.6	Homo sapiens heat shock 70kDa protein 4-like (HSPA4L), mRNA [NM_014278]
TOMM70A	3.5	1.0	3.5	Homo sapiens translocase of outer mitochondrial membrane 70 homolog A (S. cerevisiae) (TOMM70A), nuclear gene encoding mitochondrial protein, mRNA [NM_014820]
TMEM170B	3.8	1.1	3.5	Homo sapiens transmembrane protein 170B (TMEM170B), mRNA [NM_001100829]
NR1D2	4.7	1.3	3.5	Homo sapiens nuclear receptor subfamily 1, group D, member 2 (NR1D2), transcript variant 1, mRNA [NM_005126]
USP15	3.5	1.0	3.5	Homo sapiens ubiquitin specific peptidase 15 (USP15), mRNA [NM_006313]
MTX3	3.5	1.0	3.5	Homo sapiens metaxin 3 (MTX3), mRNA [NM_001010891]
SEC23B	3.5	1.0	3.5	Homo sapiens Sec23 homolog B (S. cerevisiae) (SEC23B), transcript variant 2, mRNA [NM_032985]
ATAD5	3.5	1.0	3.5	Homo sapiens ATPase family, AAA domain containing 5 (ATAD5), mRNA [NM_024857]
ZMAT1	3.4	1.0	3.4	Homo sapiens zinc finger, matrin type 1 (ZMAT1), transcript variant 3, mRNA [NM_032441]
HBEGF	4.1	1.2	3.4	Homo sapiens heparin-binding EGF-like growth factor (HBEGF), mRNA [NM_001945]
PALB2	3.6	1.0	3.4	Homo sapiens partner and localizer of BRCA2 (PALB2), mRNA [NM_024675]
CCDC138	3.4	1.0	3.4	Homo sapiens coiled-coil domain containing 138 (CCDC138), mRNA [NM_144978]
BDP1	3.4	1.0	3.4	Homo sapiens B double prime 1, subunit of RNA polymerase III transcription initiation factor IIIB (BDP1), mRNA [NM_018429]
RCN1	3.4	1.0	3.4	Homo sapiens reticulocalbin 1, EF-hand calcium binding domain (RCN1), mRNA [NM_002901]
FAR1	3.4	1.0	3.4	Homo sapiens fatty acyl CoA reductase 1 (FAR1), mRNA [NM_032228]
SCNN1A	3.4	1.0	3.4	Homo sapiens sodium channel, nonvoltage-gated 1 alpha (SCNN1A), transcript variant 1, mRNA [NM_001038]
KIF18A	3.4	1.0	3.4	Homo sapiens kinesin family member 18A (KIF18A), mRNA [NM_031217]
UAP1	3.4	1.0	3.4	Homo sapiens UDP-N-acetylglucosamine pyrophosphorylase 1 (UAP1), mRNA [NM_003115]
GOLGB1	3.3	1.0	3.3	Homo sapiens golgin B1, golgi integral membrane protein (GOLGB1), mRNA [NM_004487]
PFAS	3.3	1.0	3.3	Homo sapiens phosphoribosylformylglycinamide synthase (PFAS), mRNA [NM_012393]
SLC30A9	3.3	1.0	3.3	Homo sapiens solute carrier family 30 (zinc transporter), member 9 (SLC30A9), mRNA [NM_006345]
MINA	3.3	1.0	3.3	Homo sapiens MYC induced nuclear antigen (MINA), transcript variant 3, mRNA [NM_032778]
CDC73	3.3	1.0	3.3	Homo sapiens cell division cycle 73, Paf1/RNA polymerase II complex component, homolog (S.

				cerevisiae) (CDC73), mRNA [NM_024529]
ZNF761	3.3	1.0	3.3	Homo sapiens zinc finger protein 761 (ZNF761), mRNA [NM_001008401]
NIN	3.2	1.0	3.2	Homo sapiens ninein (GSK3B interacting protein) (NIN), transcript variant 2, mRNA [NM_020921]
BLZF1	3.2	1.0	3.2	Homo sapiens basic leucine zipper nuclear factor 1 (BLZF1), mRNA [NM_003666]
LRPPRC	4.1	1.3	3.2	Homo sapiens leucine-rich PPR-motif containing (LRPPRC), mRNA [NM_133259]
RNF20	3.2	1.0	3.2	Homo sapiens ring finger protein 20 (RNF20), mRNA [NM_019592]
RAI14	3.2	1.0	3.2	Homo sapiens retinoic acid induced 14 (RAI14), transcript variant 1, mRNA [NM_015577]
SLC7A11	3.1	1.0	3.1	Homo sapiens solute carrier family 7, (cationic amino acid transporter, y+ system) member 11 (SLC7A11), mRNA [NM_014331]
CWF19L2	3.1	1.0	3.1	Homo sapiens CWF19-like 2, cell cycle control (S. pombe) (CWF19L2), mRNA [NM_152434]
IRS1	5.2	1.7	3.1	Homo sapiens insulin receptor substrate 1 (IRS1), mRNA [NM_005544]
R3HDM1	3.1	1.0	3.1	Homo sapiens R3H domain containing 1 (R3HDM1), mRNA [NM_015361]
TNFRSF6B	3.1	1.0	3.1	Homo sapiens tumor necrosis factor receptor superfamily, member 6b, decoy (TNFRSF6B), transcript variant M68C, mRNA [NM_032945]
ZNF326	3.1	1.0	3.1	Homo sapiens zinc finger protein 326 (ZNF326), transcript variant 3, mRNA [NM_182975]
GARNL3	3.6	1.2	3.1	Homo sapiens GTPase activating Rap/RanGAP domain-like 3 (GARNL3), mRNA [NM_032293]
ARAP2	3.0	1.0	3.0	Homo sapiens ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2 (ARAP2), mRNA [NM_015230]
DSG2	3.0	1.0	3.0	Homo sapiens desmoglein 2 (DSG2), mRNA [NM_001943]
WDR36	4.9	1.6	3.0	Homo sapiens WD repeat domain 36 (WDR36), mRNA [NM_139281]
VPRBP	3.4	1.1	3.0	Homo sapiens Vpr (HIV-1) binding protein (VPRBP), mRNA [NM_014703]
IMPAD1	3.0	1.0	3.0	Homo sapiens inositol monophosphatase domain containing 1 (IMPAD1), mRNA [NM_017813]
HMGCS1	3.0	1.0	3.0	Homo sapiens 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble) (HMGCS1), transcript variant 2, mRNA [NM_002130]
ZNF330	3.0	1.0	3.0	Homo sapiens zinc finger protein 330 (ZNF330), mRNA [NM_014487]
DGKE	3.3	1.1	3.0	Homo sapiens diacylglycerol kinase, epsilon 64kDa (DGKE), mRNA [NM_003647]
TUBGCP5	3.0	1.0	3.0	Homo sapiens tubulin, gamma complex associated protein 5 (TUBGCP5), transcript variant 1, mRNA [NM_052903]
FHL2	3.0	1.0	3.0	Homo sapiens four and a half LIM domains 2 (FHL2), transcript variant 2, mRNA [NM_201555]
NFATC3	2.9	1.0	2.9	Homo sapiens nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3 (NFATC3), transcript variant 4, mRNA [NM_173164]
AHI1	2.9	1.0	2.9	Homo sapiens Abelson helper integration site 1 (AHI1), transcript variant 2, mRNA [NM_017651]
CYP27B1	3.8	1.3	2.9	Homo sapiens cytochrome P450, family 27, subfamily B, polypeptide 1 (CYP27B1), nuclear gene encoding mitochondrial protein, mRNA [NM_000785]
USP34	2.9	1.0	2.9	Homo sapiens ubiquitin specific peptidase 34 (USP34), mRNA [NM_014709]
PNN	2.9	1.0	2.9	Homo sapiens pinin, desmosome associated protein (PNN), mRNA [NM_002687]
SLC38A2	2.9	1.0	2.9	Homo sapiens solute carrier family 38, member 2 (SLC38A2), mRNA [NM_018976]
SACS	2.9	1.0	2.9	Homo sapiens spastic ataxia of Charlevoix-Saguenay (sacsin) (SACS), mRNA [NM_014363]
RAB37	4.4	1.5	2.9	Homo sapiens RAB37, member RAS oncogene family (RAB37), transcript variant 3, mRNA [NM_175738]
CLASP2	2.9	1.0	2.9	Homo sapiens cytoplasmic linker associated protein 2 (CLASP2), mRNA [NM_015097]
SVIL	5.4	1.9	2.9	Homo sapiens supervillin (SVIL), transcript variant 2, mRNA [NM_021738]
TBC1D4	2.9	1.0	2.9	Homo sapiens TBC1 domain family, member 4 (TBC1D4), mRNA [NM_014832]
UBE2N	2.8	1.0	2.8	Homo sapiens ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast) (UBE2N), mRNA [NM_003348]
XPOT	2.8	1.0	2.8	Homo sapiens exportin, tRNA (nuclear export receptor for tRNAs) (XPOT), mRNA [NM_007235]
AQR	2.8	1.0	2.8	Homo sapiens aquarius homolog (mouse) (AQR), mRNA [NM_014691]
SLC26A1	2.8	1.0	2.8	Homo sapiens solute carrier family 26 (sulfate transporter), member 1 (SLC26A1), transcript variant 2, mRNA [NM_134425]
RAP1GAP2	3.9	1.4	2.8	Homo sapiens RAP1 GTPase activating protein 2 (RAP1GAP2), transcript variant 1, mRNA [NM_015085]

PMPCB	2.8	1.0	2.8	Homo sapiens peptidase (mitochondrial processing) beta (PMPCB), nuclear gene encoding mitochondrial protein, mRNA [NM_004279]
RNMT	3.0	1.1	2.8	Homo sapiens RNA (guanine-7-) methyltransferase (RNMT), mRNA [NM_003799]
PRDM12	5.3	1.9	2.8	Homo sapiens PR domain containing 12 (PRDM12), mRNA [NM_021619]
IGFBP4	4.0	1.5	2.7	Homo sapiens insulin-like growth factor binding protein 4 (IGFBP4), mRNA [NM_001552]
JMJD1C	2.7	1.0	2.7	Homo sapiens jumonji domain containing 1C (JMJD1C), transcript variant 1, mRNA [NM_032776]
ABI2	2.7	1.0	2.7	Homo sapiens abl-interactor 2 (ABI2), mRNA [NM_005759]
IFIT3	3.7	1.4	2.7	Homo sapiens interferon-induced protein with tetratricopeptide repeats 3 (IFIT3), transcript variant 1, mRNA [NM_001549]
NEAT1	2.7	1.0	2.7	Human MEN1 region clone epsilon [AF001893]
IL6ST	2.7	1.0	2.7	Homo sapiens interleukin 6 signal transducer (gp130, oncostatin M receptor) (IL6ST), transcript variant 1, mRNA [NM_002184]
USP12	3.2	1.2	2.7	Homo sapiens ubiquitin specific peptidase 12 (USP12), mRNA [NM_182488]
RUVBL1	2.7	1.0	2.7	Homo sapiens RuvB-like 1 (E. coli) (RUVBL1), mRNA [NM_003707]
SERPINA3	2.7	1.0	2.7	Homo sapiens serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3 (SERPINA3), mRNA [NM_001085]
JAK1	2.6	1.0	2.6	Homo sapiens Janus kinase 1 (JAK1), mRNA [NM_002227]
ADAL	2.6	1.0	2.6	Homo sapiens adenosine deaminase-like (ADAL), transcript variant 2, mRNA [NM_001012969]
NT5DC3	3.7	1.4	2.6	Homo sapiens 5'-nucleotidase domain containing 3 (NT5DC3), mRNA [NM_001031701]
XPO6	2.6	1.0	2.6	Homo sapiens exportin 6 (XPO6), mRNA [NM_015171]
AKAP1	3.7	1.4	2.6	Homo sapiens A kinase (PRKA) anchor protein 1 (AKAP1), nuclear gene encoding mitochondrial protein, mRNA [NM_003488]
FAM119B	2.6	1.0	2.6	Homo sapiens family with sequence similarity 119, member B (FAM119B), transcript variant 2, mRNA [NM_206914]
ANKH	4.1	1.6	2.6	Homo sapiens ankylosis, progressive homolog (mouse) (ANKH), mRNA [NM_054027]
ALMS1	2.6	1.0	2.6	Homo sapiens Alstrom syndrome 1 (ALMS1), mRNA [NM_015120]
AP4B1	2.6	1.0	2.6	Homo sapiens adaptor-related protein complex 4, beta 1 subunit (AP4B1), mRNA [NM_006594]
ECE1	2.6	1.0	2.6	Homo sapiens endothelin converting enzyme 1 (ECE1), transcript variant 3, mRNA [NM_001113347]
SECISBP2	2.6	1.0	2.6	Homo sapiens SECIS binding protein 2 (SECISBP2), mRNA [NM_024077]
CAB39L	2.6	1.0	2.6	Homo sapiens calcium binding protein 39-like (CAB39L), transcript variant 2, mRNA [NM_001079670]
CRTC3	2.6	1.0	2.6	Homo sapiens CREB regulated transcription coactivator 3 (CRTC3), transcript variant 1, mRNA [NM_022769]
SLC27A2	2.6	1.0	2.6	Homo sapiens solute carrier family 27 (fatty acid transporter), member 2 (SLC27A2), transcript variant 1, mRNA [NM_003645]
DNAH11	2.6	1.0	2.6	Homo sapiens dynein, axonemal, heavy chain 11 (DNAH11), mRNA [NM_003777]
LDHA	2.6	1.0	2.6	Homo sapiens lactate dehydrogenase A (LDHA), transcript variant 1, mRNA [NM_005566]
FOS	9.6	3.7	2.6	Homo sapiens FBJ murine osteosarcoma viral oncogene homolog (FOS), mRNA [NM_005252]
ZNF700	3.7	1.4	2.6	Homo sapiens zinc finger protein 700 (ZNF700), mRNA [NM_144566]
RAB11FIP2	2.6	1.0	2.6	Homo sapiens RAB11 family interacting protein 2 (class I) (RAB11FIP2), mRNA [NM_014904]
NRAP	4.9	1.9	2.6	Homo sapiens nebulin-related anchoring protein (NRAP), transcript variant 2, mRNA [NM_198060]
CXCL12	21.8	8.5	2.6	Homo sapiens chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1) (CXCL12), transcript variant 1, mRNA [NM_199168]
FRMD3	6.5	2.6	2.5	FERM domain-containing protein 3 (Band 4.1-like protein 4O)(Ovary type protein 4.1)(4.1O) [Source:UniProtKB/Swiss-Prot;Acc:A2A2Y4] [ENST00000304195]
PFKFB3	2.5	1.0	2.5	Homo sapiens 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 (PFKFB3), transcript variant 1, mRNA [NM_004566]
ZNF26	2.5	1.0	2.5	Homo sapiens zinc finger protein 26 (ZNF26), mRNA [NM_019591]
ZNF434	2.5	1.0	2.5	Homo sapiens zinc finger protein 434 (ZNF434), mRNA [NM_017810]
ANKRD13B	3.6	1.4	2.5	Homo sapiens ankyrin repeat domain 13B (ANKRD13B), mRNA [NM_152345]
PHF14	4.2	1.7	2.5	Homo sapiens PHD finger protein 14 (PHF14), transcript variant 2, mRNA [NM_014660]
CDNF	2.5	1.0	2.5	Homo sapiens cerebral dopamine neurotrophic factor (CDNF), mRNA [NM_001029954]

INO80	2.5	1.0	2.5	Homo sapiens INO80 homolog (<i>S. cerevisiae</i>) (INO80), mRNA [NM_017553]
PION	2.5	1.0	2.5	Homo sapiens pigeon homolog (<i>Drosophila</i>) (PION), mRNA [NM_017439]
LONRF1	3.9	1.6	2.5	Homo sapiens LON peptidase N-terminal domain and ring finger 1 (LONRF1), mRNA [NM_152271]
FCRLB	2.5	1.0	2.5	Homo sapiens Fc receptor-like B (FCRLB), mRNA [NM_001002901]
SLC22A4	2.5	1.0	2.5	Homo sapiens solute carrier family 22 (organic cation/ergothioneine transporter), member 4 (SLC22A4), mRNA [NM_003059]
IMMT	2.5	1.0	2.5	Homo sapiens inner membrane protein, mitochondrial (mitofilin) (IMMT), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_006839]
AKAP10	2.5	1.0	2.5	Homo sapiens A kinase (PRKA) anchor protein 10 (AKAP10), nuclear gene encoding mitochondrial protein, mRNA [NM_007202]
MLH3	2.6	1.1	2.5	Homo sapiens mutL homolog 3 (<i>E. coli</i>) (MLH3), transcript variant 1, mRNA [NM_001040108]
ITPR1	3.5	1.4	2.5	Homo sapiens inositol 1,4,5-triphosphate receptor, type 1 (ITPR1), transcript variant 2, mRNA [NM_002222]
METTL9	2.5	1.0	2.5	Homo sapiens methyltransferase like 9 (METTL9), transcript variant 1, mRNA [NM_016025]
IL6ST	2.5	1.0	2.5	Homo sapiens interleukin 6 signal transducer (gp130, oncostatin M receptor) (IL6ST), transcript variant 2, mRNA [NM_175767]
ESCO1	2.5	1.0	2.5	Homo sapiens establishment of cohesion 1 homolog 1 (<i>S. cerevisiae</i>) (ESCO1), mRNA [NM_052911]
DCUN1D4	2.5	1.0	2.5	Homo sapiens DCN1, defective in cullin neddylation 1, domain containing 4 (<i>S. cerevisiae</i>) (DCUN1D4), transcript variant 1, mRNA [NM_001040402]
ARHGAP5	2.5	1.0	2.5	Homo sapiens Rho GTPase activating protein 5 (ARHGAP5), transcript variant 1, mRNA [NM_001030055]
ZSCAN1	3.1	1.3	2.5	Homo sapiens zinc finger and SCAN domain containing 1 (ZSCAN1), mRNA [NM_182572]
SLC3A2	4.0	1.6	2.5	Homo sapiens solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 (SLC3A2), transcript variant 1, mRNA [NM_001012661]
LARP1B	2.5	1.0	2.5	Homo sapiens La ribonucleoprotein domain family, member 1B (LARP1B), transcript variant 1, mRNA [NM_018078]
SGK3	8.7	3.6	2.4	Homo sapiens serum/glucocorticoid regulated kinase family, member 3 (SGK3), transcript variant 1, mRNA [NM_013257]
ANXA1	2.4	1.0	2.4	Homo sapiens annexin A1 (ANXA1), mRNA [NM_000700]
SLC38A2	2.4	1.0	2.4	Homo sapiens solute carrier family 38, member 2 (SLC38A2), mRNA [NM_018976]
UGCG	2.4	1.0	2.4	Homo sapiens UDP-glucose ceramide glucosyltransferase (UGCG), mRNA [NM_003358]
UTP14A	2.4	1.0	2.4	Homo sapiens UTP14, U3 small nucleolar ribonucleoprotein, homolog A (yeast) (UTP14A), transcript variant 1, mRNA [NM_006649]
RDX	2.4	1.0	2.4	Homo sapiens radixin (RDX), mRNA [NM_002906]
GALNT2	2.4	1.0	2.4	Homo sapiens UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2 (GalNAc-T2) (GALNT2), mRNA [NM_004481]
RRN3	2.4	1.0	2.4	Homo sapiens RRN3 RNA polymerase I transcription factor homolog (<i>S. cerevisiae</i>) (RRN3), mRNA [NM_018427]
ANXA13	2.4	1.0	2.4	Homo sapiens annexin A13 (ANXA13), transcript variant 2, mRNA [NM_001003954]
NUDCD1	5.2	2.2	2.4	Homo sapiens NudC domain containing 1 (NUDCD1), transcript variant 1, mRNA [NM_032869]
FTSJD1	2.4	1.0	2.4	Homo sapiens FtsJ methyltransferase domain containing 1 (FTSJD1), transcript variant 1, mRNA [NM_018348]
GOLM1	2.4	1.0	2.4	Homo sapiens golgi membrane protein 1 (GOLM1), transcript variant 1, mRNA [NM_016548]
ZNF544	2.4	1.0	2.4	Homo sapiens zinc finger protein 544 (ZNF544), mRNA [NM_014480]
UACA	2.4	1.0	2.4	Homo sapiens uveal autoantigen with coiled-coil domains and ankyrin repeats (UACA), transcript variant 2, mRNA [NM_001008224]
NRIP1	3.7	1.5	2.4	Homo sapiens nuclear receptor interacting protein 1 (NRIP1), mRNA [NM_003489]
HTRA3	3.4	1.4	2.4	Homo sapiens HtrA serine peptidase 3 (HTRA3), mRNA [NM_053044]
HECTD3	2.4	1.0	2.4	Homo sapiens HECT domain containing 3 (HECTD3), mRNA [NM_024602]
GIN1	2.4	1.0	2.4	Homo sapiens gypsy retrotransposon integrase 1 (GIN1), mRNA [NM_017676]
RAB39B	2.4	1.0	2.4	Homo sapiens RAB39B, member RAS oncogene family (RAB39B), mRNA [NM_171998]
WDR51B	2.4	1.0	2.4	Homo sapiens WD repeat domain 51B (WDR51B), mRNA [NM_172240]
GPR77	3.9	1.6	2.4	Homo sapiens G protein-coupled receptor 77 (GPR77), mRNA [NM_018485]
IPO5	2.4	1.0	2.4	Homo sapiens importin 5 (IPO5), mRNA [NM_002271]

TAF1A	2.8	1.2	2.4	Homo sapiens TATA box binding protein (TBP)-associated factor, RNA polymerase I, A, 48kDa (TAF1A), transcript variant 1, mRNA [NM_005681]
E2F4	2.4	1.0	2.4	Homo sapiens E2F transcription factor 4, p107/p130-binding (E2F4), mRNA [NM_001950]
GOLT1B	2.4	1.0	2.4	Homo sapiens golgi transport 1 homolog B (<i>S. cerevisiae</i>) (GOLT1B), mRNA [NM_016072]
ZNF513	2.4	1.0	2.4	Homo sapiens zinc finger protein 513 (ZNF513), mRNA [NM_144631]
EXOC6	2.4	1.0	2.4	Homo sapiens exocyst complex component 6 (EXOC6), transcript variant 1, mRNA [NM_019053]
PGLYRP2	4.0	1.7	2.3	Homo sapiens peptidoglycan recognition protein 2 (PGLYRP2), mRNA [NM_052890]
ATXN1	2.6	1.1	2.3	Homo sapiens ataxin 1 (ATXN1), transcript variant 1, mRNA [NM_000332]
SLC16A1	3.2	1.4	2.3	Homo sapiens solute carrier family 16, member 1 (monocarboxylic acid transporter 1) (SLC16A1), transcript variant 2, mRNA [NM_001166496]
PHLDA1	2.3	1.0	2.3	Homo sapiens pleckstrin homology-like domain, family A, member 1 (PHLDA1), mRNA [NM_007350]
ZP3	2.3	1.0	2.3	Homo sapiens zona pellucida glycoprotein 3 (sperm receptor) (ZP3), transcript variant 2, mRNA [NM_007155]
ATM	2.3	1.0	2.3	Homo sapiens ataxia telangiectasia mutated (ATM), transcript variant 1, mRNA [NM_000051]
MANEA	2.3	1.0	2.3	Homo sapiens mannosidase, endo-alpha (MANEA), mRNA [NM_024641]
WDFY4	3.6	1.6	2.3	Homo sapiens WDFY family member 4 (WDFY4), mRNA [NM_020945]
BCL2L15	4.1	1.8	2.3	Homo sapiens BCL2-like 15 (BCL2L15), mRNA [NM_001010922]
RPS6KC1	2.3	1.0	2.3	Homo sapiens ribosomal protein S6 kinase, 52kDa, polypeptide 1 (RPS6KC1), transcript variant 1, mRNA [NM_012424]
HNMT	2.3	1.0	2.3	Homo sapiens histamine N-methyltransferase (HNMT), transcript variant 1, mRNA [NM_006895]
RRP15	4.4	1.9	2.3	Homo sapiens ribosomal RNA processing 15 homolog (<i>S. cerevisiae</i>) (RRP15), mRNA [NM_016052]
IL6ST	2.3	1.0	2.3	Homo sapiens interleukin 6 signal transducer (gp130, oncostatin M receptor) (IL6ST), transcript variant 2, mRNA [NM_175767]
MUC5AC	2.3	1.0	2.3	PREDICTED: Homo sapiens similar to mucin 5 (LOC100132635), partial mRNA [XM_001717880]
NEDD9	4.0	1.7	2.3	Homo sapiens neural precursor cell expressed, developmentally down-regulated 9 (NEDD9), transcript variant 1, mRNA [NM_006403]
SPATA13	2.3	1.0	2.3	Homo sapiens spermatogenesis associated 13 (SPATA13), transcript variant 1, mRNA [NM_001166271]
FAM156B	2.3	1.0	2.3	Homo sapiens family with sequence similarity 156, member B (FAM156B), mRNA [NM_001099684]
DDX21	4.8	2.1	2.3	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 21 (DDX21), mRNA [NM_004728]
RNPS1	2.3	1.0	2.3	Homo sapiens RNA binding protein S1, serine-rich domain (RNPS1), transcript variant 1, mRNA [NM_006711]
ERRFI1	2.3	1.0	2.3	Homo sapiens ERBB receptor feedback inhibitor 1 (ERRFI1), mRNA [NM_018948]
ZBTB33	2.3	1.0	2.3	Homo sapiens zinc finger and BTB domain containing 33 (ZBTB33), mRNA [NM_006777]
AGFG1	2.3	1.0	2.3	Homo sapiens ArfGAP with FG repeats 1 (AGFG1), transcript variant 1, mRNA [NM_001135187]
PGAM2	2.3	1.0	2.3	Homo sapiens phosphoglycerate mutase 2 (muscle) (PGAM2), mRNA [NM_000290]
GPRC5A	2.3	1.0	2.3	Homo sapiens G protein-coupled receptor, family C, group 5, member A (GPRC5A), mRNA [NM_003979]
ERI2	2.3	1.0	2.3	Homo sapiens ERI1 exoribonuclease family member 2 (ERI2), transcript variant 1, mRNA [NM_001142725]
DPH3	2.3	1.0	2.3	Homo sapiens DPH3, KTI11 homolog (<i>S. cerevisiae</i>) (DPH3), transcript variant 1, mRNA [NM_206831]
ZNF222	2.3	1.0	2.3	Homo sapiens zinc finger protein 222 (ZNF222), transcript variant 2, mRNA [NM_013360]
CASP8AP2	2.3	1.0	2.3	Homo sapiens caspase 8 associated protein 2 (CASP8AP2), transcript variant 1, mRNA [NM_012115]
CAMSAP1	4.2	1.9	2.2	Homo sapiens calmodulin regulated spectrin-associated protein 1 (CAMSAP1), mRNA [NM_015447]
ACVR2A	2.6	1.2	2.2	Homo sapiens activin A receptor, type IIA (ACVR2A), mRNA [NM_001616]
RASAL2	2.2	1.0	2.2	Homo sapiens RAS protein activator like 2 (RASAL2), transcript variant 2, mRNA [NM_170692]
SON	2.2	1.0	2.2	Homo sapiens SON DNA binding protein (SON), transcript variant b, mRNA [NM_032195]
NBN	2.2	1.0	2.2	Homo sapiens nibrin (NBN), mRNA [NM_002485]
POLR3F	2.2	1.0	2.2	Homo sapiens polymerase (RNA) III (DNA directed) polypeptide F, 39 kDa (POLR3F), mRNA [NM_006466]
IMPACT	2.2	1.0	2.2	Homo sapiens Impact homolog (mouse) (IMPACT), mRNA [NM_018439]

NHEJ1	2.2	1.0	2.2	Homo sapiens nonhomologous end-joining factor 1 (NHEJ1), mRNA [NM_024782]
GLUL	2.2	1.0	2.2	Homo sapiens glutamate-ammonia ligase (glutamine synthetase) (GLUL), transcript variant 1, mRNA [NM_002065]
UNC13B	2.2	1.0	2.2	Homo sapiens unc-13 homolog B (C. elegans) (UNC13B), mRNA [NM_006377]
MYBL1	6.6	3.0	2.2	Homo sapiens v-myb myeloblastosis viral oncogene homolog (avian)-like 1 (MYBL1), transcript variant 1, mRNA [NM_001080416]
POLR1D	2.2	1.0	2.2	Homo sapiens polymerase (RNA) I polypeptide D, 16kDa (POLR1D), transcript variant 2, mRNA [NM_152705]
PARP6	2.2	1.0	2.2	Homo sapiens poly (ADP-ribose) polymerase family, member 6 (PARP6), mRNA [NM_020214]
METAP2	3.0	1.3	2.2	Homo sapiens methionyl aminopeptidase 2 (METAP2), mRNA [NM_006838]
GPX8	2.2	1.0	2.2	Homo sapiens glutathione peroxidase 8 (putative) (GPX8), mRNA [NM_001008397]
ZNF813	2.2	1.0	2.2	Homo sapiens zinc finger protein 813 (ZNF813), mRNA [NM_001004301]
ZNF799	2.2	1.0	2.2	Homo sapiens zinc finger protein 799 (ZNF799), mRNA [NM_001080821]
CCDC112	2.2	1.0	2.2	Homo sapiens coiled-coil domain containing 112 (CCDC112), transcript variant 2, mRNA [NM_152549]
SUSD4	2.2	1.0	2.2	Homo sapiens sushi domain containing 4 (SUSD4), transcript variant 2, mRNA [NM_001037175]
RNF14	2.2	1.0	2.2	Homo sapiens ring finger protein 14 (RNF14), transcript variant 1, mRNA [NM_004290]
BTAF1	2.2	1.0	2.2	Homo sapiens BTAF1 RNA polymerase II, B-TFIID transcription factor-associated, 170kDa (Mot1 homolog, S. cerevisiae) (BTAF1), mRNA [NM_003972]
ARPP19	2.2	1.0	2.2	Homo sapiens cAMP-regulated phosphoprotein, 19kDa (ARPP19), mRNA [NM_006628]
NARG1	3.1	1.4	2.2	Homo sapiens NMDA receptor regulated 1 (NARG1), mRNA [NM_057175]
SPIN1	2.2	1.0	2.2	Homo sapiens spindlin 1 (SPIN1), mRNA [NM_006717]
EEF1A1	2.2	1.0	2.2	Homo sapiens eukaryotic translation elongation factor 1 alpha 1 (EEF1A1), mRNA [NM_001402]
GRPEL2	2.2	1.0	2.2	Homo sapiens GrpE-like 2, mitochondrial (E. coli) (GRPEL2), nuclear gene encoding mitochondrial protein, mRNA [NM_152407]
GDF15	2.7	1.2	2.2	Homo sapiens growth differentiation factor 15 (GDF15), mRNA [NM_004864]
AHI1	2.6	1.2	2.2	Homo sapiens Abelson helper integration site 1 (AHI1), transcript variant 2, mRNA [NM_017651]
TCP1	2.2	1.0	2.2	Homo sapiens t-complex 1 (TCP1), transcript variant 1, mRNA [NM_030752]
USP41	2.2	1.0	2.2	Putative ubiquitin carboxyl-terminal hydrolase 41 (EC 3.1.2.15)(Ubiquitin thioesterase 41)(Ubiquitin-specific-processing protease 41)(Deubiquitinating enzyme 41) [Source:UniProtKB/Swiss-Prot;Acc:Q3LFD5] [ENST00000292729]
SERINC3	2.1	1.0	2.1	Homo sapiens serine incorporator 3 (SERINC3), transcript variant 2, mRNA [NM_198941]
DUSP5	3.2	1.5	2.1	Homo sapiens dual specificity phosphatase 5 (DUSP5), mRNA [NM_004419]
ZNF695	2.1	1.0	2.1	Homo sapiens zinc finger protein 695 (ZNF695), mRNA [NM_020394]
YARS	2.1	1.0	2.1	Homo sapiens tyrosyl-tRNA synthetase (YARS), mRNA [NM_003680]
GORAB	2.1	1.0	2.1	Homo sapiens golgin, RAB6-interacting (GORAB), transcript variant 1, mRNA [NM_152281]
SCAMP1	2.1	1.0	2.1	Homo sapiens secretory carrier membrane protein 1 (SCAMP1), mRNA [NM_004866]
CYP1B1	14.5	6.8	2.1	Homo sapiens cytochrome P450, family 1, subfamily B, polypeptide 1 (CYP1B1), mRNA [NM_000104]
MTHFD1L	2.8	1.3	2.1	Homo sapiens methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like (MTHFD1L), mRNA [NM_015440]
MFAP3	2.1	1.0	2.1	Homo sapiens microfibrillar-associated protein 3 (MFAP3), transcript variant 1, mRNA [NM_005927]
PIK3CA	2.1	1.0	2.1	Homo sapiens phosphoinositide-3-kinase, catalytic, alpha polypeptide (PIK3CA), mRNA [NM_006218]
DDX31	3.2	1.5	2.1	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 31 (DDX31), transcript variant 2, mRNA [NM_138620]
PRRC1	2.1	1.0	2.1	Homo sapiens proline-rich coiled-coil 1 (PRRC1), mRNA [NM_130809]
GPR137C	2.1	1.0	2.1	Homo sapiens G protein-coupled receptor 137C (GPR137C), mRNA [NM_001099652]
MITF	2.9	1.4	2.1	Homo sapiens microphthalmia-associated transcription factor (MITF), transcript variant 1, mRNA [NM_198159]
MAFF	2.1	1.0	2.1	Homo sapiens v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian) (MAFF), transcript variant 1, mRNA [NM_012323]
CTAGE4	2.1	1.0	2.1	Homo sapiens CTAGE family, member 4 (CTAGE4), mRNA [NM_198495]
ZNF184	2.1	1.0	2.1	Homo sapiens zinc finger protein 184 (ZNF184), mRNA [NM_007149]

SLC6A6	2.1	1.0	2.1	Homo sapiens solute carrier family 6 (neurotransmitter transporter, taurine), member 6 (SLC6A6), transcript variant 1, mRNA [NM_003043]
PITPNM2	3.8	1.9	2.0	Homo sapiens phosphatidylinositol transfer protein, membrane-associated 2 (PITPNM2), mRNA [NM_020845]
MRRF	2.0	1.0	2.0	Homo sapiens mitochondrial ribosome recycling factor (MRRF), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_199177]
ZNF518A	2.0	1.0	2.0	Homo sapiens zinc finger protein 518A (ZNF518A), mRNA [NM_014803]
NDEL1	2.0	1.0	2.0	Homo sapiens nudE nuclear distribution gene E homolog (A. nidulans)-like 1 (NDEL1), transcript variant 2, mRNA [NM_030808]
VPS8	2.0	1.0	2.0	Homo sapiens vacuolar protein sorting 8 homolog (S. cerevisiae) (VPS8), transcript variant 1, mRNA [NM_001009921]
AMFR	2.0	1.0	2.0	Homo sapiens autocrine motility factor receptor (AMFR), mRNA [NM_001144]
ANKIB1	2.0	1.0	2.0	Homo sapiens ankyrin repeat and IBR domain containing 1 (ANKIB1), mRNA [NM_019004]
SETD2	2.0	1.0	2.0	Homo sapiens SET domain containing 2 (SETD2), mRNA [NM_014159]
ZNF84	2.0	1.0	2.0	Homo sapiens zinc finger protein 84 (ZNF84), transcript variant 1, mRNA [NM_003428]
PDCD6IP	2.0	1.0	2.0	Homo sapiens programmed cell death 6 interacting protein (PDCD6IP), transcript variant 1, mRNA [NM_013374]
GARS	2.0	1.0	2.0	Homo sapiens glycyl-tRNA synthetase (GARS), mRNA [NM_002047]
LGMN	2.0	1.0	2.0	Homo sapiens legumain (LGMN), transcript variant 2, mRNA [NM_001008530]
RABL3	2.0	1.0	2.0	Homo sapiens RAB, member of RAS oncogene family-like 3 (RABL3), mRNA [NM_173825]
AGPAT6	2.0	1.0	2.0	Homo sapiens 1-acylglycerol-3-phosphate O-acyltransferase 6 (lysophosphatidic acid acyltransferase, zeta) (AGPAT6), mRNA [NM_178819]
RPS6KA3	2.0	1.0	2.0	Homo sapiens ribosomal protein S6 kinase, 90kDa, polypeptide 3 (RPS6KA3), mRNA [NM_004586]
SIRT1	2.0	1.0	2.0	Homo sapiens sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae) (SIRT1), transcript variant 1, mRNA [NM_012238]
FAM3C	2.0	1.0	2.0	Homo sapiens family with sequence similarity 3, member C (FAM3C), transcript variant 1, mRNA [NM_014888]
TMEM168	2.0	1.0	2.0	Homo sapiens transmembrane protein 168 (TMEM168), mRNA [NM_022484]
KRT37	3.6	1.8	2.0	Homo sapiens keratin 37 (KRT37), mRNA [NM_003770]
AIDA	2.0	1.0	2.0	Homo sapiens axin interactor, dorsalization associated (AIDA), mRNA [NM_022831]
KCNQ4	2.1	1.1	2.0	Homo sapiens potassium voltage-gated channel, subfamily G, member 4 (KCNQ4), mRNA [NM_172347]
CRKL	2.0	1.0	2.0	Homo sapiens v-crk sarcoma virus CT10 oncogene homolog (avian)-like (CRKL), mRNA [NM_005207]
SMG1	2.0	1.0	2.0	Homo sapiens SMG1 homolog, phosphatidylinositol 3-kinase-related kinase (C. elegans) (SMG1), mRNA [NM_015092]
KLHDC5	2.0	1.0	2.0	Homo sapiens kelch domain containing 5 (KLHDC5), mRNA [NM_020782]
ZNF735	2.0	1.0	2.0	Homo sapiens zinc finger protein 735 (ZNF735), mRNA [NM_001159524]
FUT9	2.0	1.0	2.0	Homo sapiens fucosyltransferase 9 (alpha (1,3) fucosyltransferase) (FUT9), mRNA [NM_006581]
SCD	2.0	1.0	2.0	Homo sapiens stearoyl-CoA desaturase (delta-9-desaturase) (SCD), mRNA [NM_005063]
EI24	2.0	1.0	2.0	Homo sapiens etoposide induced 2.4 mRNA (EI24), transcript variant 1, mRNA [NM_004879]
DOCK7	2.0	1.0	2.0	Homo sapiens dedicator of cytokinesis 7 (DOCK7), mRNA [NM_033407]
SLITRK4	3.0	1.5	2.0	Homo sapiens SLIT and NTRK-like family, member 4 (SLITRK4), mRNA [NM_173078]
CCDC49	2.0	1.0	2.0	Homo sapiens coiled-coil domain containing 49 (CCDC49), mRNA [NM_017748]
DDX58	2.0	-2.3	-0.9	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 (DDX58), mRNA [NM_014314]
ZKSCAN5	2.2	-2.5	-0.9	Homo sapiens zinc finger with KRAB and SCAN domains 5 (ZKSCAN5), transcript variant 1, mRNA [NM_014569]
ADCK2	2.0	-2.2	-0.9	Homo sapiens aarF domain containing kinase 2 (ADCK2), mRNA [NM_052853]
PRKAA1	2.0	-2.1	-1.0	Homo sapiens protein kinase, AMP-activated, alpha 1 catalytic subunit (PRKAA1), transcript variant 2, mRNA [NM_206907]
ARF1	2.1	-2.2	-1.0	Homo sapiens ADP-ribosylation factor 1 (ARF1), transcript variant 1, mRNA [NM_001024227]
HKR1	2.1	-2.0	-1.1	Homo sapiens GLI-Kruppel family member HKR1 (HKR1), mRNA [NM_181786]
ZNF627	2.2	-2.0	-1.1	Homo sapiens zinc finger protein 627 (ZNF627), mRNA [NM_145295]
PAN3	2.4	-2.0	-1.2	Homo sapiens PAN3 poly(A) specific ribonuclease subunit homolog (S. cerevisiae) (PAN3), mRNA [NM_175854]

PRPF4B	2.4	-2.0	-1.2	Homo sapiens PRP4 pre-mRNA processing factor 4 homolog B (yeast) (PRPF4B), mRNA [NM_003913]
BRWD1	2.9	-2.3	-1.3	Homo sapiens bromodomain and WD repeat domain containing 1 (BRWD1), transcript variant 2, mRNA [NM_033656]
ZNF148	3.1	-2.1	-1.4	Homo sapiens zinc finger protein 148 (ZNF148), mRNA [NM_021964]

¹Fold change in gene expression of MCF-7/pLKO or MCF-7/H4Si4 untreated vs. 100 pM β -estradiol treatment for 6 hrs

²Fold reduction in expression in the absence of HER4/4ICD expressed as the ratio of Fold Change MCF-7/pLKO vs. Fold Change MCF-7/H4Si4