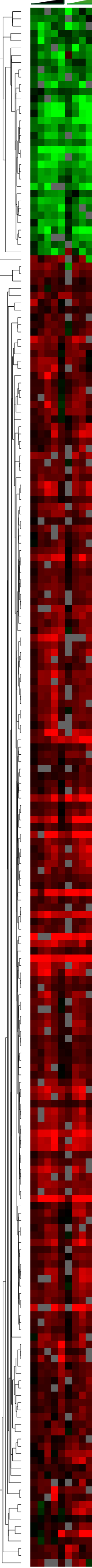


Supplemental Figure 5.

9 h
18 h
24 h
30 h
36 h
42 h
48 h
54 h
60 h
66 h
72 h



NUCB2 nucleobindin 2 Hs.3164 W93954
 SLC20A2 solute carrier family 20 phosphate transporter, member 2 Hs.347527 T55870
 Homo sapiens mRNA; cDNA DKFZp586F1223 from clone DKFZp586F1223 Hs.28540 N59219
 CA12 carbonic anhydrase XII Hs.5338 AA171613
 SPUVE protease, serine, 23 Hs.25338 R76394
 FLJ10846 hypothetical protein FLJ10846 Hs.32271 AA400093
 SLC12A2 **solute carrier family 12 sodium/potassium/chloride transporters, member 2 Hs.110736 AA255695
 ESTs, Weakly similar to GNMSLL retrovirus-related reverse transcriptase homolog - mouse retrotransposon [M.musculus] Hs.301451 N49952
 Homo sapiens mRNA for Hmobb33 protein, 3i untranslated region Hs.153716 AA459293
 ATP2B1 **ATPase, Ca++ transporting, plasma membrane 1 Hs.78546 N75064
 LOC90355 hypothetical gene supported by AF038182; BC009203 Hs.25925 H69538
 P2Y5 purinergic receptor family A group 5 Hs.189999 R91539
 GSTA2 **glutathione S-transferase A2 Hs.89552 N59772
 PLA2G2A phospholipase A2, group IIA platelets, synovial fluid Hs.76422 T61271
 BCHE butyrylcholinesterase Hs.1327 AA885311
 RDC1 G protein-coupled receptor Hs.23016 N13172
 CDK8 cyclin-dependent kinase 8 Hs.25283 R59697
 SERPIN1 serine or cysteine proteinase inhibitor, clade I neuroserpin, member 1 Hs.78589 AA115876
 BTB domain protein Hs.78885 R11888
 MMP16 matrix metalloproteinase 16 membrane-inserted Hs.90800 H09996
 ATP11A ATPase, Class VI, type 11A Hs.29189 H80707
 CDW92 CDw92 antigen Hs.179902 AA457261
 OCLN occludin Hs.171952 H94471
 COLEC12 collectin sub-family member 12 Hs.29423 N53421
 COL5A2 collagen, type V, alpha 2 Hs.82985 AA461456
 SART-2 squamous cell carcinoma antigen recognized by T cell Hs.58636 AA045278
 FZD3 frizzled homolog 3 Drosophila Hs.40735 H84795
 Homo sapiens cDNA: FLJ21409 fis, clone COL03924 Hs.172129 AA129551
 KIAA0247 KIAA0247 gene product Hs.82426 N63733
 DKFZP564D0462 hypothetical protein DKFZP564D0462 Hs.44197 AA451911
 UGT2B15 UDP glucosyltransferase 2 family, polypeptide B15 Hs.150207 T50788
 FLJ13110 hypothetical protein FLJ13110 Hs.7338 AA431233
 ENPP5 ectonucleotide pyrophosphatase/phosphodiesterase 5 putative function Hs.35198 W15305
 FN1 fibronectin 1 Hs.287820 R62612
 LOC57213 CLLL6 protein Hs.44235 H79138
 FLJ22649 **hypothetical protein FLJ22649 similar to signal peptidase SPC22/23 Hs.42194 N36421
 NUDT5 nudix nucleoside diphosphate linked moiety X-type motif 5 Hs.301957 N49686
 FLJ10342 **hypothetical protein FLJ10342 Hs.101514 AA934516
 ICAM3 intercellular adhesion molecule 3 Hs.99995 AA478647
 SLC4A3 solute carrier family 4, anion exchanger, member 3 Hs.1176 AA609880
 EXTL2 exostosin multiple-like 2 Hs.61152 AA490078
 Homo sapiens, Similar to RIKEN cDNA 2010001009 gene, clone MGC:21387 IMAGE:4471592, mRNA, complete cds Hs.8108 R01682
 AA019332
 CLDN12 claudin 12 Hs.258576 AA599102
 SC4MOL sterol-C4-methyl oxidase-like Hs.239926 AA157954
 MGC14376 hypothetical protein MGC14376 Hs.29206 AA454584
 EXTL2 exostosin multiple-like 2 Hs.61152 W31725
 JAG1 jagged 1 Alagille syndrome Hs.91143 R70684
 DEGS degenerative spermatocyte homolog, lipid desaturase Drosophila Hs.185973 AA039929
 DEGS degenerative spermatocyte homolog, lipid desaturase Drosophila Hs.185973 W49667
 CYR61 cysteine-rich, angiogenic inducer, 61 Hs.8867 AA777187
 LMAN1 lectin, mannose-binding, 1 Hs.287912 H73420
 LMAN1 lectin, mannose-binding, 1 Hs.287912 AA446103
 DKFZP586F2423 hypothetical protein DKFZP586F2423 Hs.13659 R34175
 LAMA4 laminin, alpha 4 Hs.78672 R43734
 MSTP043 MSTP043 protein Hs.306881 H99959
 GRP58 glucose regulated protein, 58kD Hs.289101 R33030
 SLC38A2 solute carrier family 38, member 2 Hs.298275 AA598996
 Homo sapiens cDNA: FLJ23028 fis, clone LNG01852, highly similar to HSU08023 Human cellular proto-oncogene c-mer mRNA Hs.117078 AA436564
 ITIH1 integral membrane protein 1 Hs.287850 R68805
 SLC38A2 solute carrier family 38, member 2 Hs.298275 R27255
 ESTs Hs.23762 H98248
 Homo sapiens cDNA: FLJ21323 fis, clone COL02374 Hs.75914 AA433814
 ESTs Hs.269047 N25049
 N57002
 FLJ12890 hypothetical protein FLJ12890 Hs.43299 N62475
 Homo sapiens, Similar to hypothetical protein PRO2831, clone MGC:23813 IMAGE:4273837, mRNA, complete cds Hs.351935 N68173
 KIAA0102 KIAA0102 gene product Hs.77665 AA487265
 SSR3 signal sequence receptor, gamma translocon-associated protein gamma Hs.28707 AA424586
 D55346 DNA segment, single copy probe LNS-CAI/LNS-CAII deleted in polyposis Hs.178112 H99681
 LOC51300 M5-14 protein Hs.79530 AA490547
 LOC55829 AD-015 protein Hs.32148 W69583
 SURF4 surfactant protein 4 Hs.284296 AA464168
 ESTs Hs.62800 AA046837
 MGC14139 hypothetical protein MGC14139 Hs.334659 AA670389
 B2M beta-2-microglobulin Hs.75415 AA670408
 ARF4 ADP-ribosylation factor 4 Hs.75290 T71316
 ARL1 ADP-ribosylation factor-like 1 Hs.242894 N51280
 STX7 syntaxin 7 Hs.8906 T61122
 VMP1 likely ortholog of rat vacuole membrane protein 1 Hs.166254 N62339
 ESTs Hs.188697 AA199733
 HSPC030 HSPC030 protein Hs.180145 AA178986
 SSR3 signal sequence receptor, gamma translocon-associated protein gamma Hs.28707 N73309
 ARMET arginine-rich, mutated in early stage tumors Hs.75412 R91550
 LOC51128 GTP-binding protein Sara Hs.279582 N95495
 PRDX4 peroxiredoxin 4 Hs.83383 AA459663
 ABCC4 ATP-binding cassette, sub-family C FTR/MRP, member 4 Hs.139336 AA159714
 Homo sapiens cDNA FLJ11660 fis, clone HEMBA1004610 Hs.281895 N54425
 FADS1 fatty acid desaturase 1 Hs.132898 AA431773
 POMC **proopiomelanocortin adrenocorticotropin/ beta-lipotropin/ alpha-melanocyte stimulating hormone/ beta-melanocyte stimulating hormone/ beta-endorphin Hs.1897 AA446316
 EFG1 mitochondrial elongation factor G Hs.274543 AA010761
 CAB complement component 4B Hs.278625 AA664406
 KDELR2 KDELR2 Lys-Asp-Glu-Leu endoplasmic reticulum protein retention receptor 2 Hs.118778 AA626867
 HTPAP HTPAP protein Hs.169341 T48411
 HTPAP HTPAP protein Hs.169341 AA449837
 HSPC030 HSPC030 protein Hs.180145 AA064917
 CL25084 hypothetical protein Hs.7100 T70922
 PTPRM protein tyrosine phosphatase, receptor type, M Hs.154151 H26353
 KIAA0573 KIAA0573 protein Hs.154023 AA620519
 EST Hs.98803 AA434256
 DHCR24 24-dehydrocholesterol reductase Hs.75616 AA482228
 NPC1 Niemann-Pick disease, type C1 Hs.76918 AA634267
 KIAA0212 KIAA0212 gene product Hs.154332 AA630346
 CHPT1 **choline phosphotransferase 1 Hs.171889 AA009840
 ESTs, Weakly similar to A46010 X-linked retinopathy protein [H.sapiens] Hs.163918 T70060
 UGTREL1 UDP-galactose transporter related Hs.154073 R41839
 MGAT2 mannosyl alpha-1,6-galactosyltransferase Hs.172195 AA485653
 B4GALT1 **UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 1 Hs.198248 AA043795
 FLJ12666 hypothetical protein FLJ12666 Hs.23767 AA115300
 ESTs Hs.29475 AA136532
 EMP2 epithelial membrane protein 2 Hs.29191 T84249
 PRO2000 PRO2000 protein Hs.46677 H58234
 AKAP1 A kinase PRKA anchor protein 1 Hs.78921 AA454947
 FLJ12666 hypothetical protein FLJ12666 Hs.23767 AA131466
 LOC51290 CDA14 Hs.26813 N32912
 ERO1L ERO1-like S. cerevisiae Hs.25740 AA186803
 VEGF vascular endothelial growth factor Hs.73793 R19956
 TRO trophinin Hs.259802 AA598982
 SSR3 signal sequence receptor, gamma translocon-associated protein gamma Hs.28707 AA453486
 LOC51026 CGI-141 protein Hs.62275 R69622
 TIMM23 translocase of inner mitochondrial membrane 23 homolog yeast Hs.11866 T68317
 TMEPA1 transmembrane, prostate androgen induced RNA Hs.83883 AA455519
 Homo sapiens cDNA FLJ31373 fis, clone NB9N42000342 Hs.281434 N52970
 VMP1 likely ortholog of rat vacuole membrane protein 1 Hs.166254 AA159669
 DNAB9 Dnaj Hsp40 homolog, subfamily B, member 9 Hs.6790 AA045792
 ARF1 ADP-ribosylation factor 1 Hs.74571 AA669557
 LOC51170 retinal short-chain dehydrogenase/reductase retSDR2 Hs.12150 N79745
 TMPRSS2 transmembrane protease, serine 2 Hs.318545 AA579186
 HECRC3 hect domain and RLD 3 Hs.35804 AA282253
 ATP2B4 **ATPase, Ca++ transporting, plasma membrane 4 Hs.343522 AA490010
 TMEPA1 transmembrane, prostate androgen induced RNA Hs.83883 AA486591
 PRO2730 hypothetical protein PRO2730 Hs.194110 AA005230
 FLJ20624 **hypothetical protein FLJ20624 Hs.52256 R92227
 SSR1 signal sequence receptor, alpha translocon-associated protein alpha Hs.250773 AA099394
 Homo sapiens cDNA: FLJ22120 fis, clone HEP18874 Hs.5822 AA022557
 Homo sapiens cDNA: FLJ22845 fis, clone KIAI5195 Hs.109087 T61050
 CALLU calumenin Hs.7753 R78585
 **ESTs, Weakly similar to ALU1_HUMAN ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens] Hs.145501 AA657881
 FLJ14681 hypothetical protein FLJ14681 Hs.23317 AA455026
 FLJ11127 hypothetical protein Hs.91165 T98200
 FLJ22059 hypothetical protein FLJ22059 Hs.13323 N62464
 TRAM translocating chain-associating membrane protein Hs.4147 AA452556
 ACATN acetyl-Coenzyme A transporter Hs.285176 H66942
 TRA1 tumor rejection antigen gp96 1 Hs.82689 AA598758
 F2RL1 coagulation factor II thrombin receptor-like 1 Hs.154299 AA454652
 Homo sapiens cDNA: FLJ21288 fis, clone COL01927 Hs.6019 R07184
 LOC51133 NY-REN-45 antigen Hs.239155 AA448160
 KIAA1265 KIAA1265 protein Hs.74313 AA479302
 DNAB9 Dnaj Hsp40 homolog, subfamily B, member 9 Hs.6790 AA425320
 Homo sapiens, clone IMAGE:4106229, mRNA Hs.351201 AA191424
 Homo sapiens mRNA; cDNA DKFZp434D2228 from clone DKFZp434D2228; partial cds Hs.49690 N69484
 Homo sapiens, clone IMAGE:4106229, mRNA Hs.351201 AA172056
 HEL01 homolog of yeast long chain polyunsaturated fatty acid elongation enzyme 2 Hs.250175 H02230
 PDIR for protein disulfide isomerase-related Hs.76901 AA404387
 ABCA5 ATP-binding cassette, sub-family A ABC1, member 5 Hs.180513 R53427
 ANKH **ankylosis, progressive homolog mouse Hs.168640 AA418007
 ANKH ankylosis, progressive homolog mouse Hs.168640 N47523
 ERP70 protein disulfide isomerase related protein calcium-binding protein, intestinal-related Hs.93659 AA430497
 FLJ22059 hypothetical protein FLJ22059 Hs.13323 H81036
 ESTs, Weakly similar to ALU1_HUMAN ALU SUBFAMILY J SEQUENCE CONTAMINATION WARNING ENTRY [H.sapiens] Hs.22529 R67283
 KIAA1165 hypothetical protein KIAA1165 Hs.30340 R82644
 HEL01 homolog of yeast long chain polyunsaturated fatty acid elongation enzyme 2 Hs.250175 AA487608
 HMGCR 3-hydroxy-3-methylglutaryl-Coenzyme A reductase Hs.11899 AA779417
 FA3L3 fatty-acid-Coenzyme A ligase, long-chain 3 Hs.268012 N98509
 KDELR3 KDELR3 Lys-Asp-Glu-Leu endoplasmic reticulum protein retention receptor 3 Hs.250696 AA181085
 ITGAV integrin, alpha V vitronectin receptor, alpha polypeptide, antigen CD51 Hs.295726 AA029934
 LOC51014 CGI-109 protein Hs.278391 R78869
 MGC2747 hypothetical protein MGC2747 Hs.250723 AI254715
 LOC51290 CDA14 Hs.26813 R64109
 Homo sapiens, clone IMAGE:3947276, mRNA, partial cds Hs.180178 AA284268
 Human transposon-like element mRNA Hs.84775 AA496746
 ADAM9 a disintegrin and metalloproteinase domain 9 meltrin gamma Hs.2442 H59230
 FLJ14511 hypothetical protein FLJ14511 Hs.40919 R22945
 DKFZP434J1813 **DKFZP434J1813 protein Hs.1098 AA504844
 DKFZP434J1813 DKFZP434J1813 protein Hs.1098 AI822079
 Homo sapiens cDNA: FLJ21086 fis, clone CAS03272 Hs.28538 R64659
 STCH **stress 70 protein chaperone, microsome-associated, 60kD Hs.352341 H85311
 XBP1 **X-box binding protein 1 Hs.149923 AA394240
 TMEPA1 transmembrane, prostate androgen induced RNA Hs.83883 AA088701
 PP1B peptidylprolyl isomerase B cyclophilin B Hs.699 AA481464
 APMX1 APMX1 protein Hs.12152 R95922
 KDELR2 KDELR2 Lys-Asp-Glu-Leu endoplasmic reticulum protein retention receptor 2 Hs.118778 AA485911
 LOC51303 FK506 binding protein precursor Hs.24048 N72137
 FXDY3 FXDY domain-containing ion transport regulator 3 Hs.301350 AA053583
 C11orf10 chromosome 11 open reading frame 10 Hs.90918 AA128297
 ESTs Hs.281314 AA988637
 SSR4 signal sequence receptor, delta translocon-associated protein delta Hs.102135 AA486260
 CD59 CD59 antigen p18-20 antigen identified by monoclonal antibodies 16.3A5, E16, E130, EL32 and G344 Hs.278573 R16902
 ATRAP angiotensin II type I receptor-associated protein Hs.12854 AA152027
 RPN1 ribophorin I Hs.2280 R36132
 APOD apolipoprotein D Hs.75736 H15842
 ATP6F ATPase, H+ transporting, lysosomal vacuolar proton pump 21kD Hs.7476 AA457717
 RPN1 ribophorin I Hs.2280 AA125915
 SSR1 signal sequence receptor, alpha translocon-associated protein alpha Hs.250773 AA449004
 CTSD cathepsin D lysosomal aspartyl protease Hs.343475 AA485373
 LOC51128 GTP-binding protein Sara Hs.779582 W67213
 FLJ21047 hypothetical protein FLJ21047 Hs.14891 AA464422
 ATP1A1 ATPase, Na+/K+ transporting, alpha 1 polypeptide Hs.76549 AA873355
 HSA1-2 putative transmembrane protein Hs.99364 AA454207
 KIAA1184 KIAA1184 protein Hs.100747 R01094
 ASAH N-acylsphingosine amidohydrolase acid ceramidase Hs.75811 AA664155
 LEPROTL1 **leptin receptor overlapping transcript-like 1 Hs.11000 T67103
 KIAA1260 neuroigin Hs.21107 AA479299
 RAP1GA1 RAP1, GTPase activating protein 1 Hs.75151 AA682897
 SEC63L SEC63 protein Hs.31575 N66750
 ERO1L ERO1-like S. cerevisiae Hs.25740 W79703
 SLC22A3 solute carrier family 22 extraneuronal monoamine transporter, member 3 Hs.81086 R08120
 PKIB protein kinase cAMP-dependent, catalytic inhibitor beta Hs.106106 AA004415
 APP amyloid beta A4 precursor protein protease nexin-II, Alzheimer disease Hs.177486 AA633658
 LAB5 **prostate differentiation factor Hs.296638 N26311
 C20orf1 chromosome 20 open reading frame 31 Hs.93871 W73745
 ESTs Hs.22247 AA455087
 Homo sapiens cDNA FLJ31353 fis, clone MESAN2000264 Hs.352554 AA115248
 KIAA1194 **KIAA1194 protein Hs.5801 AA479503