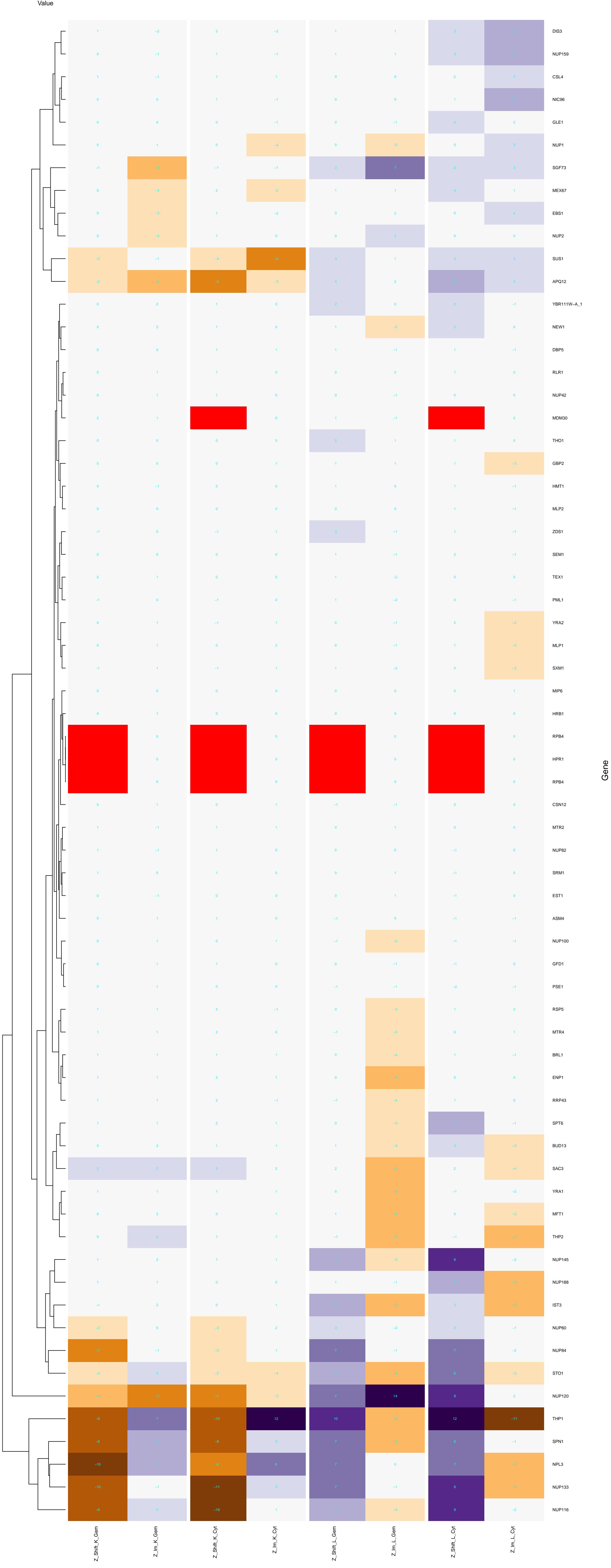
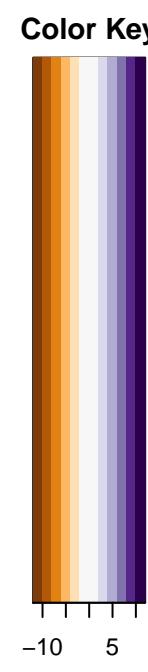
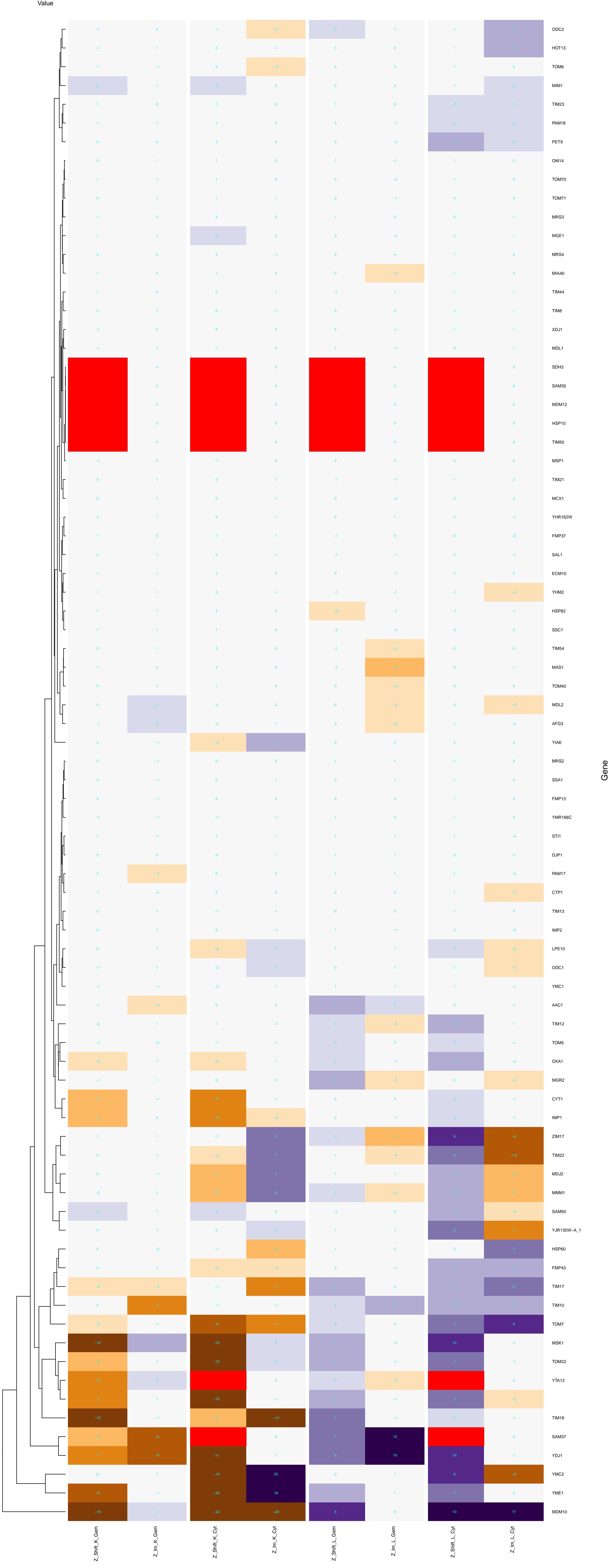


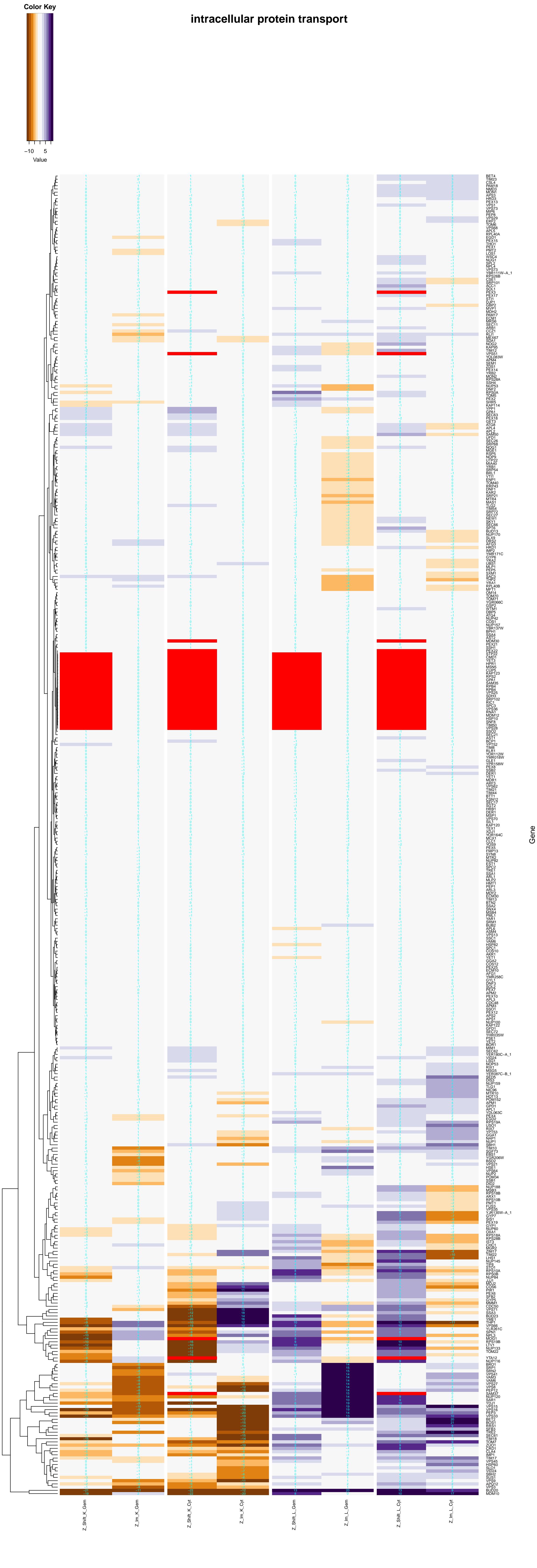
mRNA export from nucleus

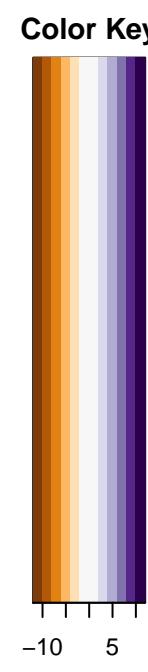




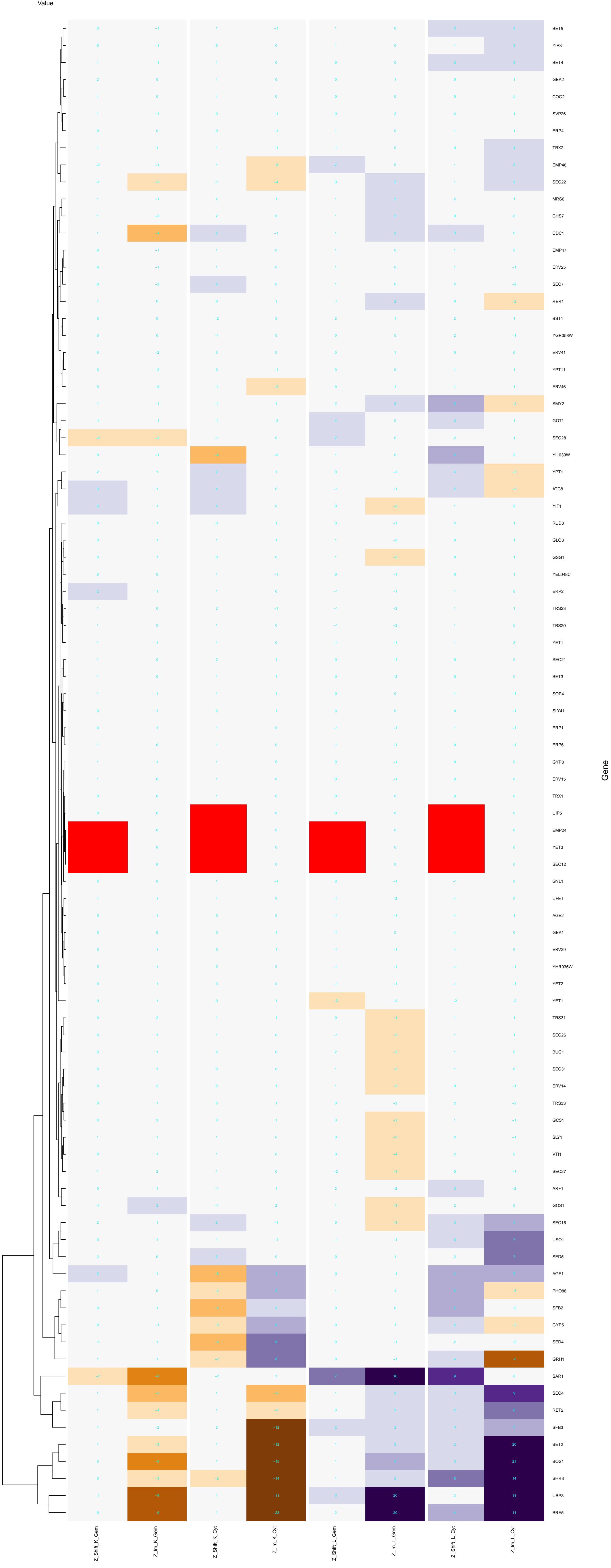
mitochondrial transport







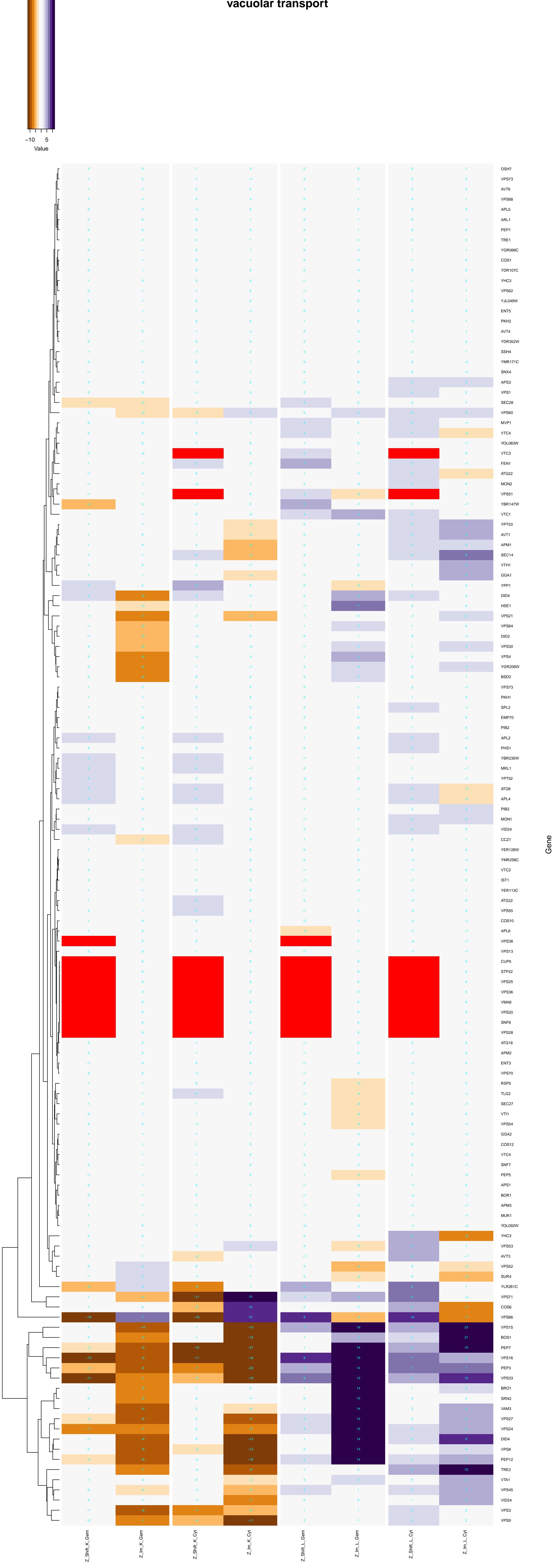
ER to Golgi vesicle-mediated transport



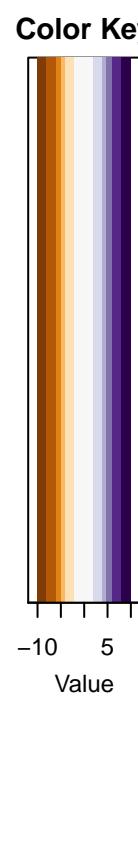
Color Key



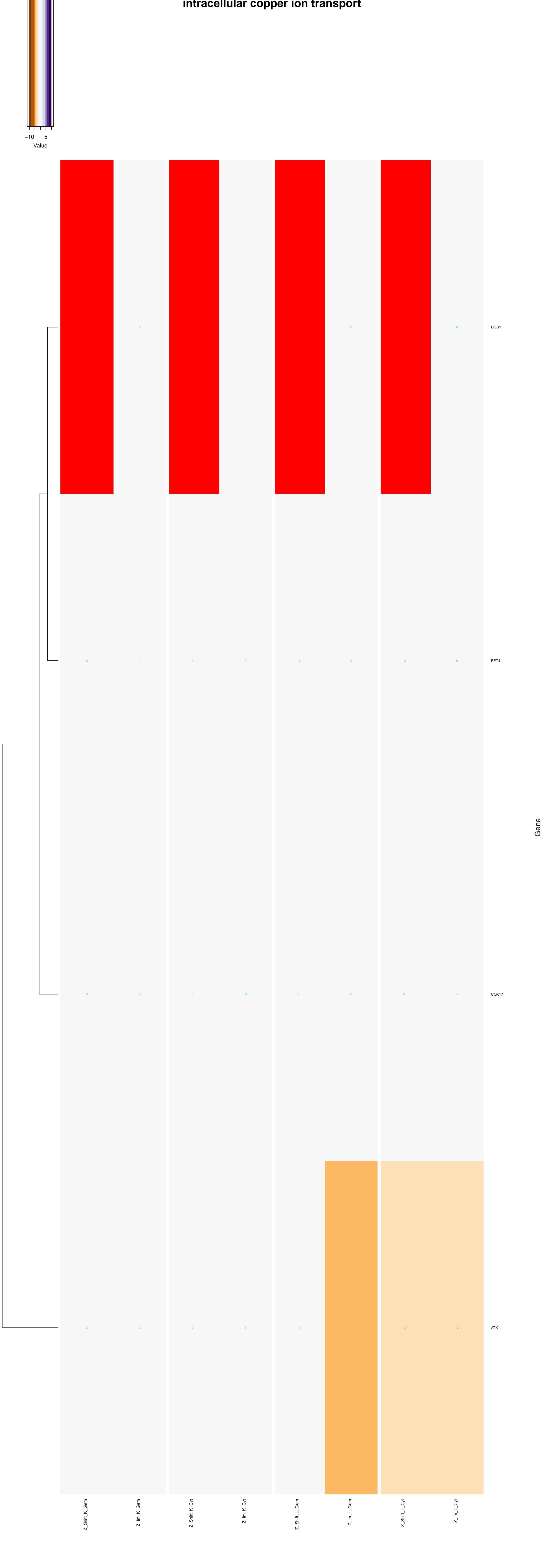
vacuolar transport



Color Key



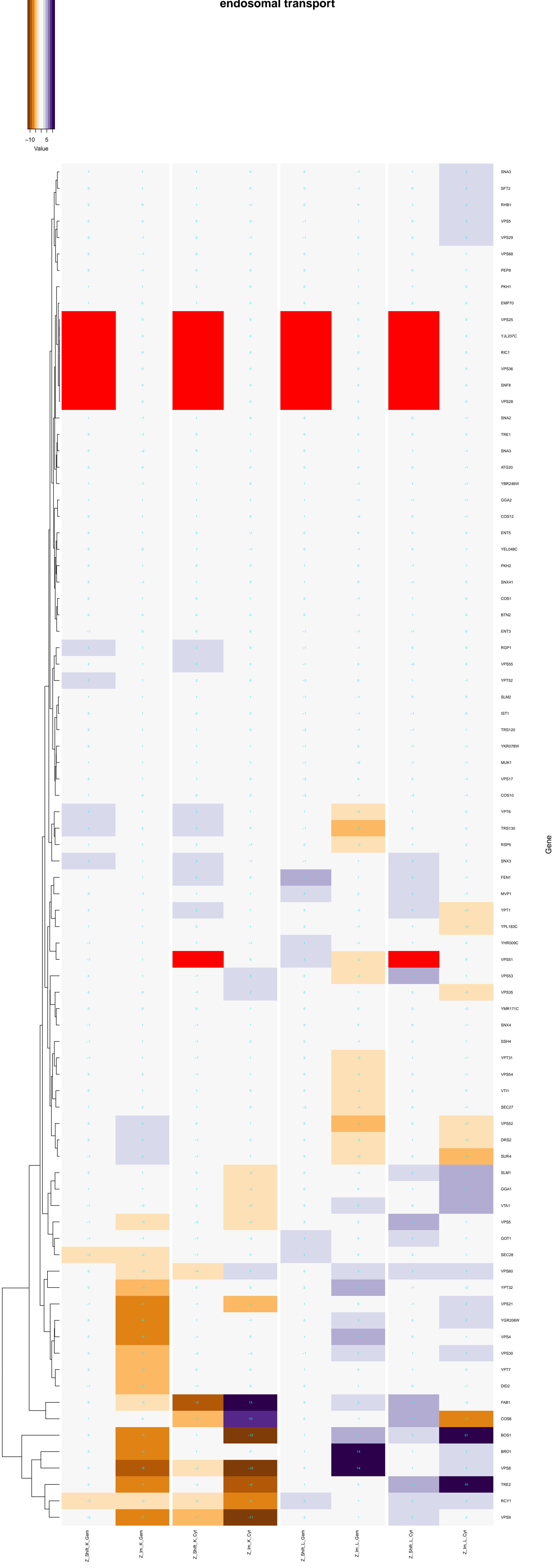
intracellular copper ion transport



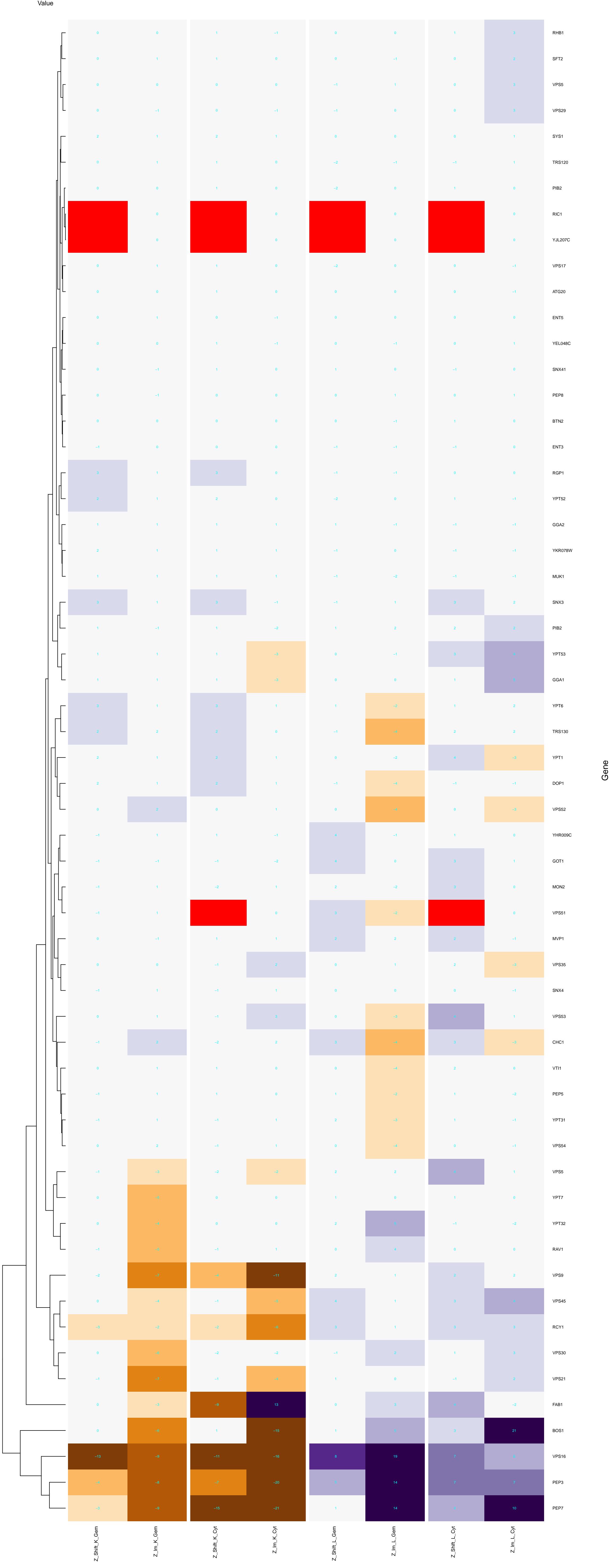
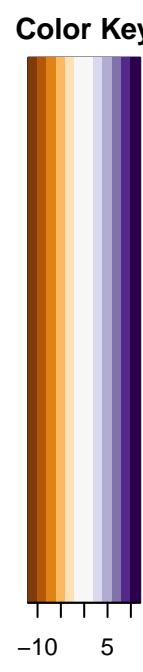
Color Key

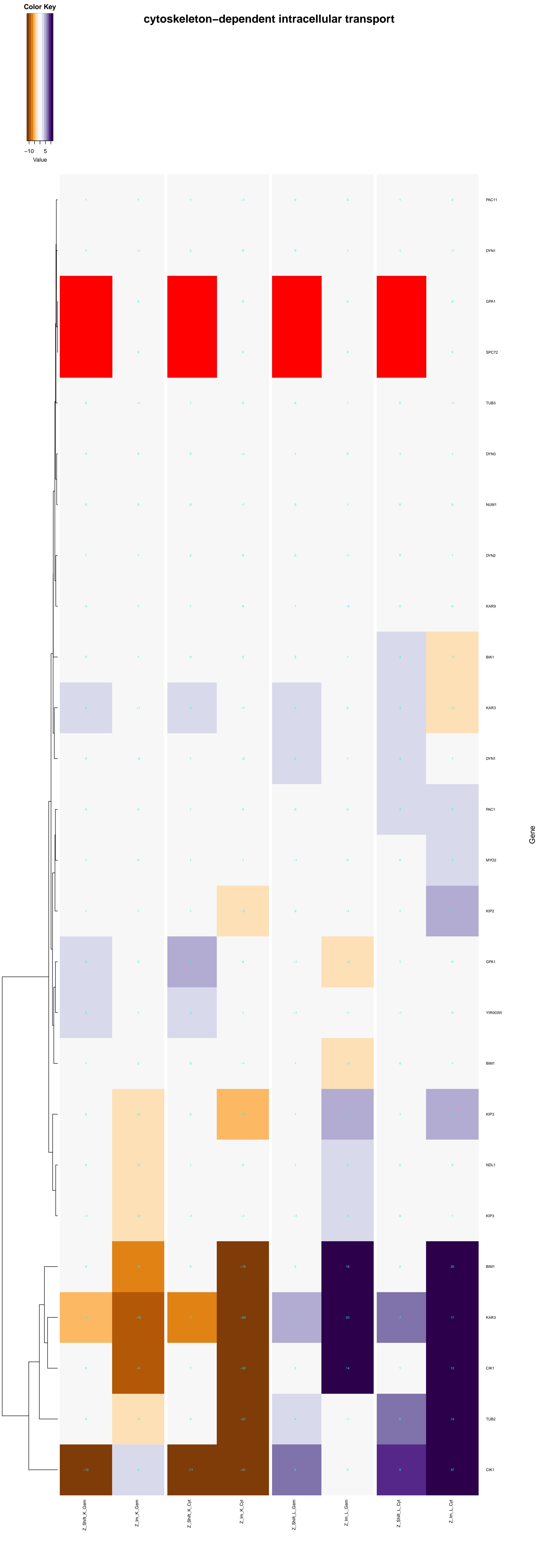


endosomal transport



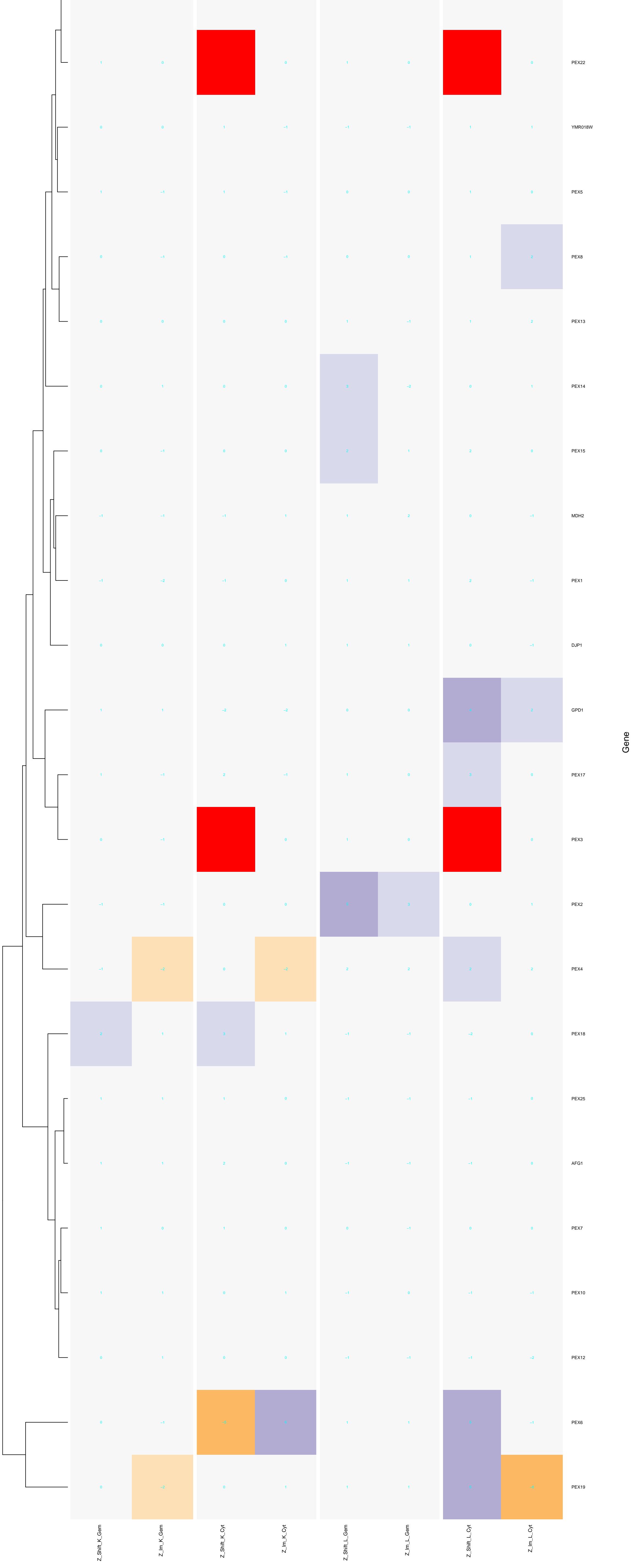
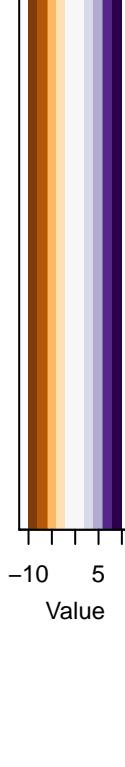
cytosolic transport



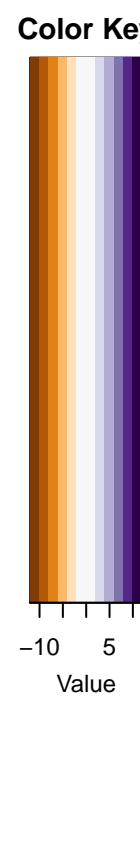


peroxisomal transport

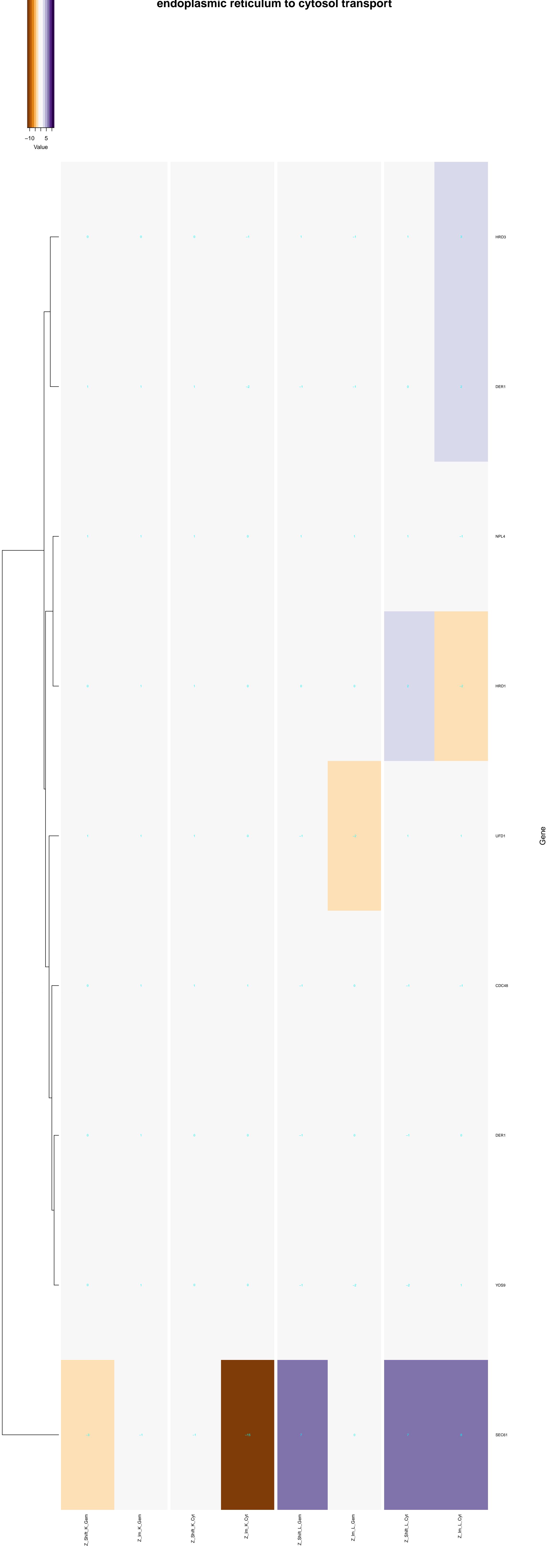
Color Key

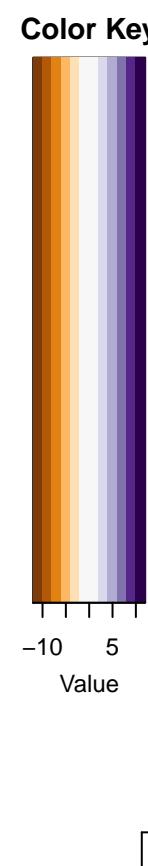


Color Key

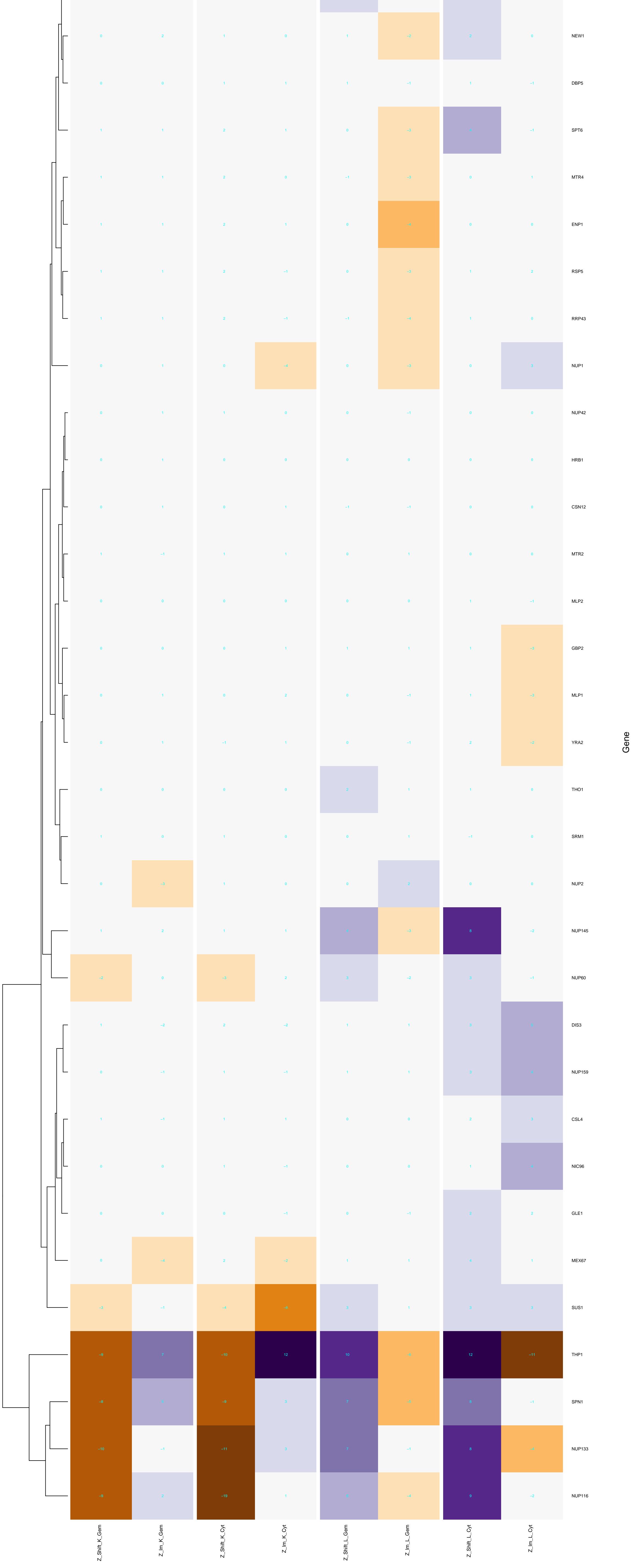


endoplasmic reticulum to cytosol transport





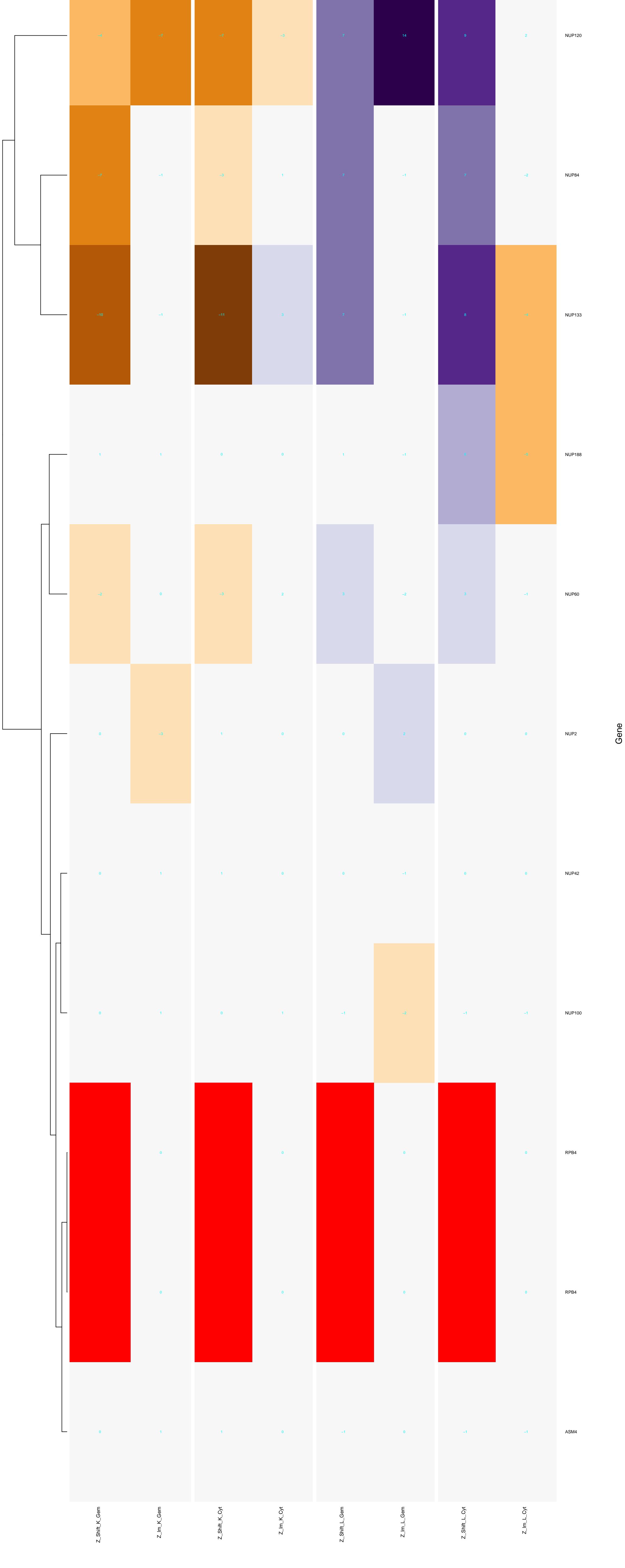
poly(A)+ mRNA export from nucleus

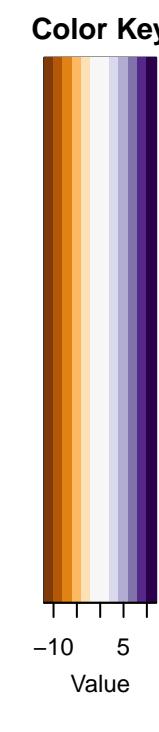


Color Key

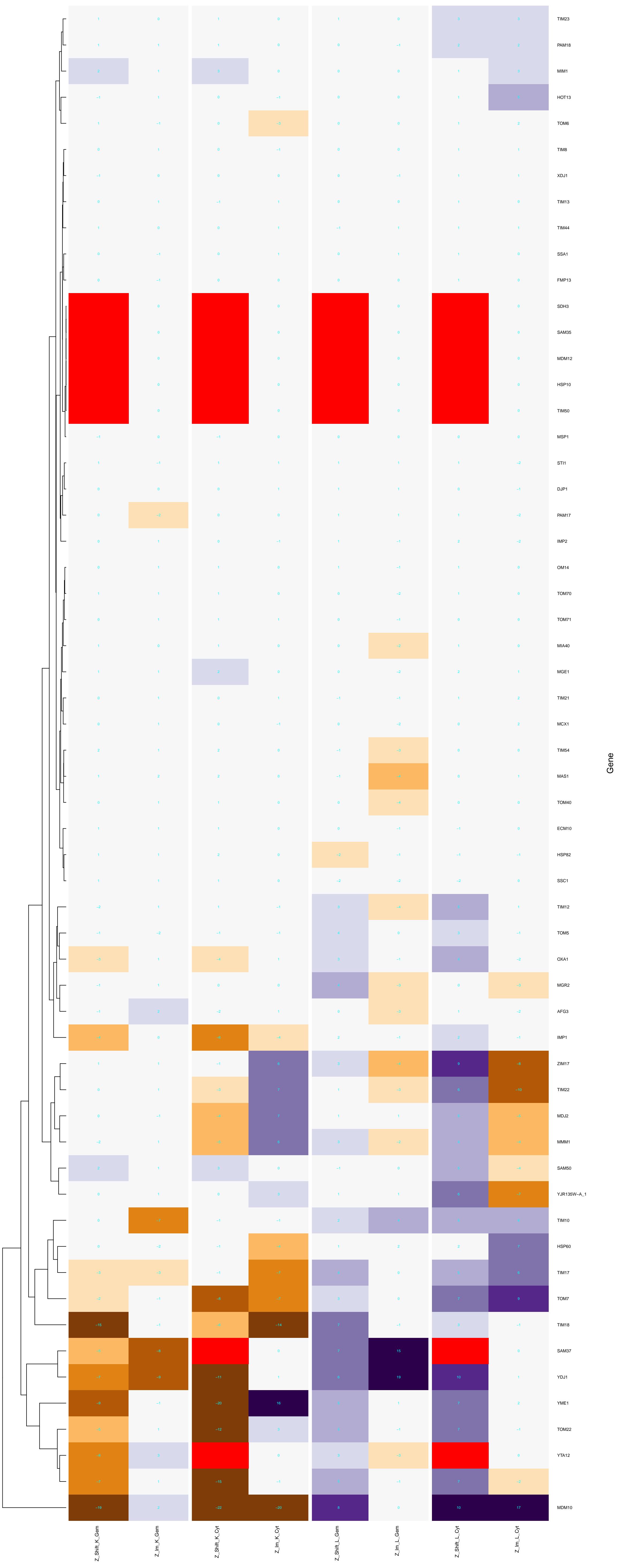


mRNA export from nucleus in response to heat stress

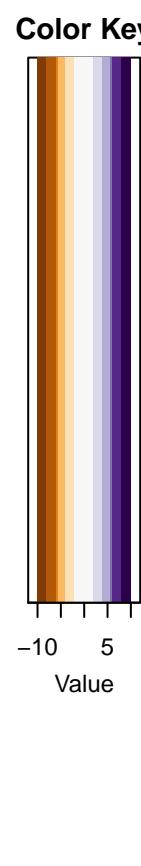




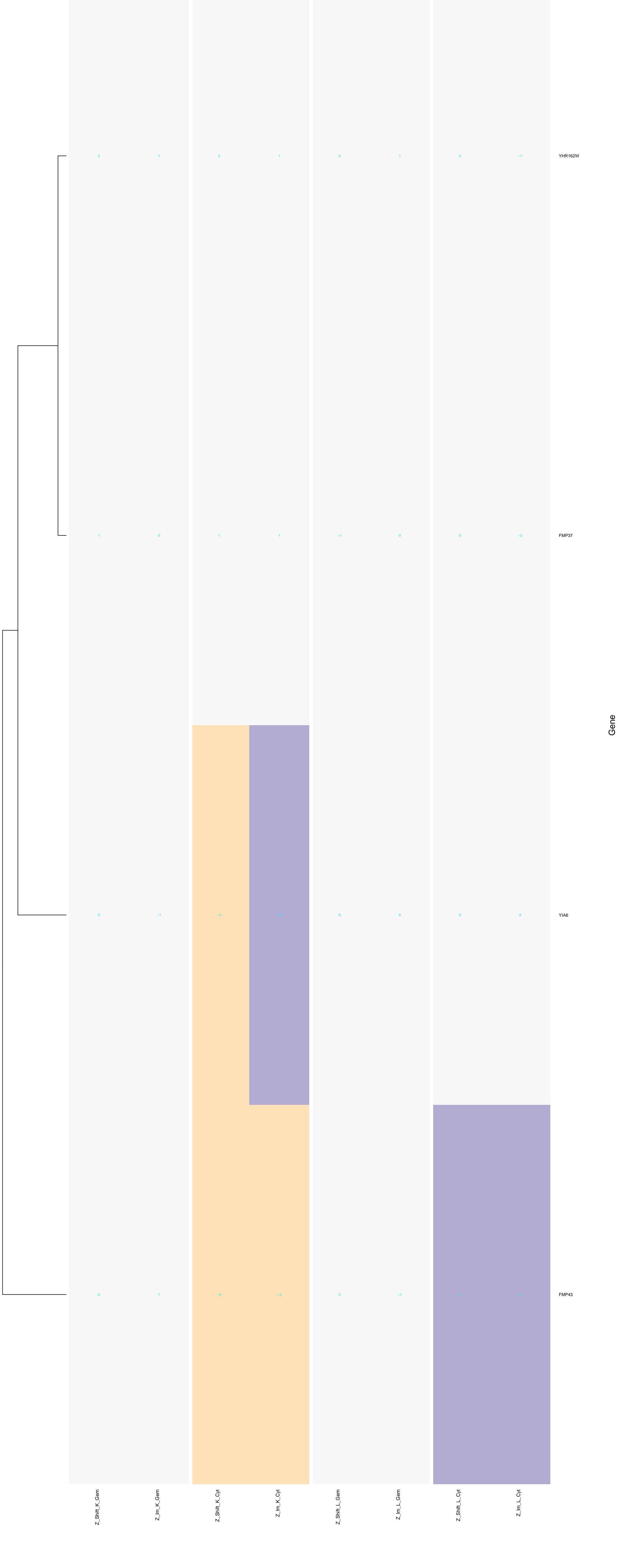
protein targeting to mitochondrion

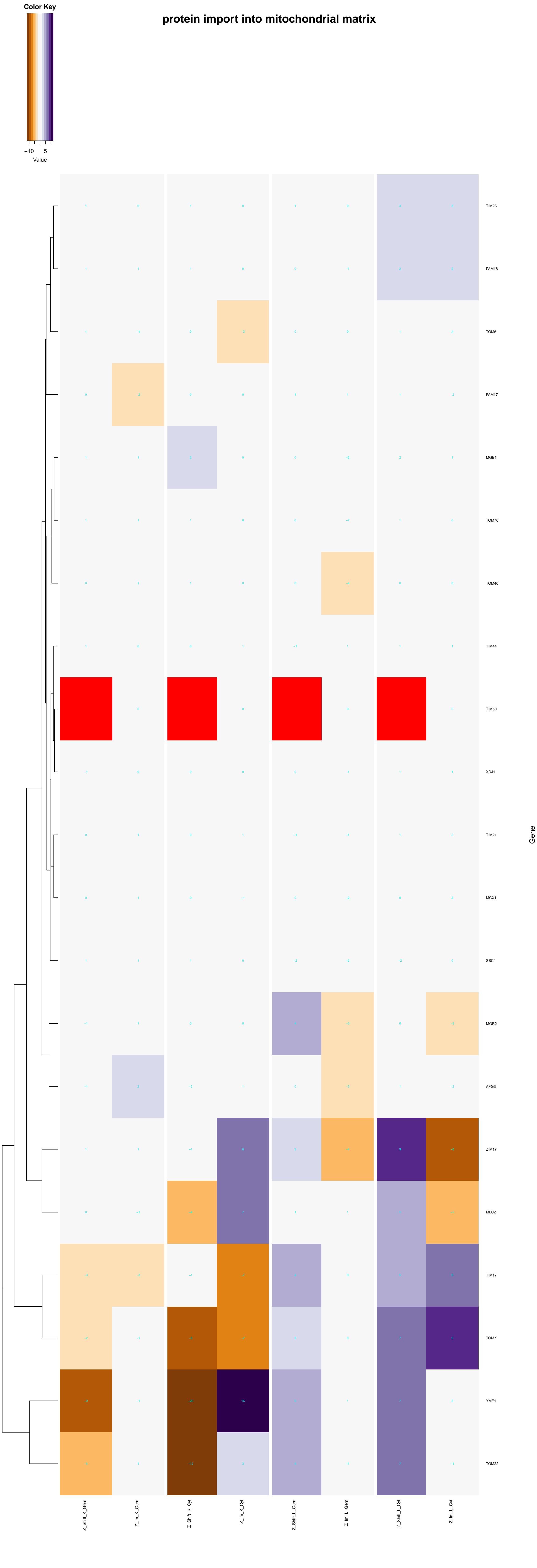


Color Key

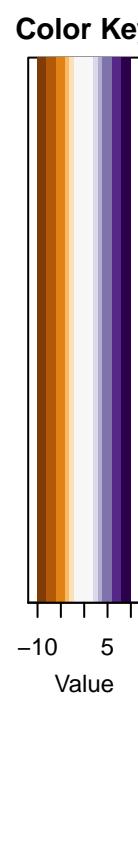


mitochondrial pyruvate transport

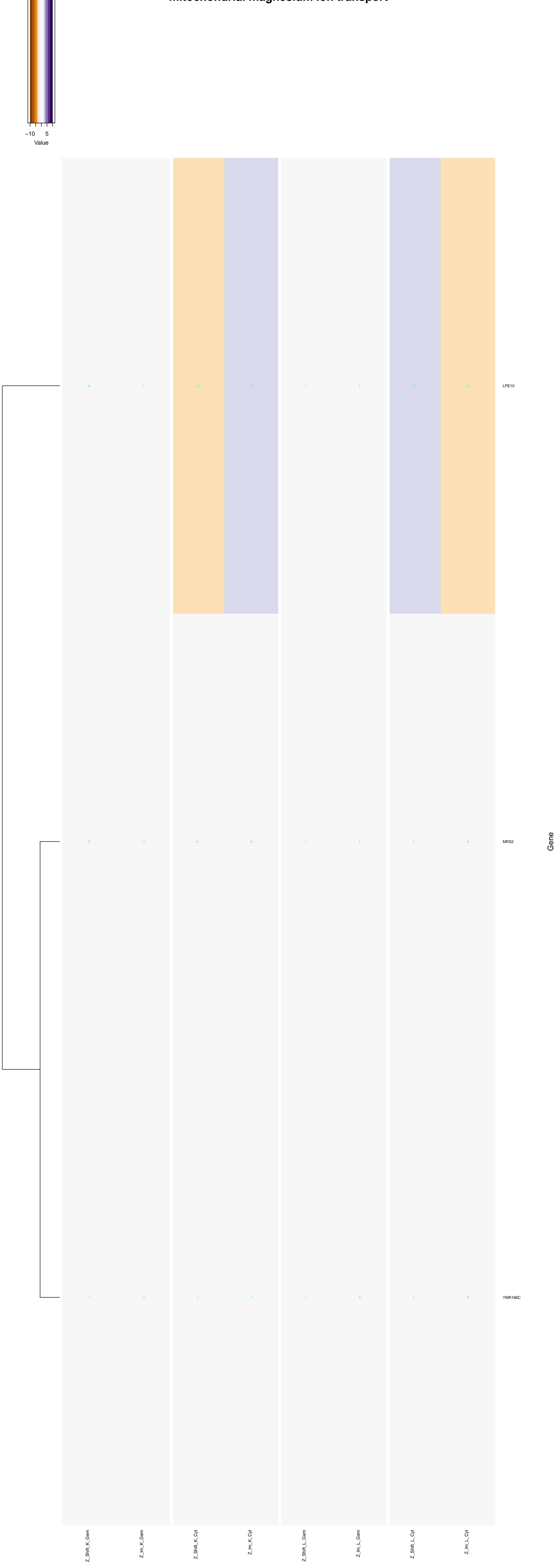




Color Key



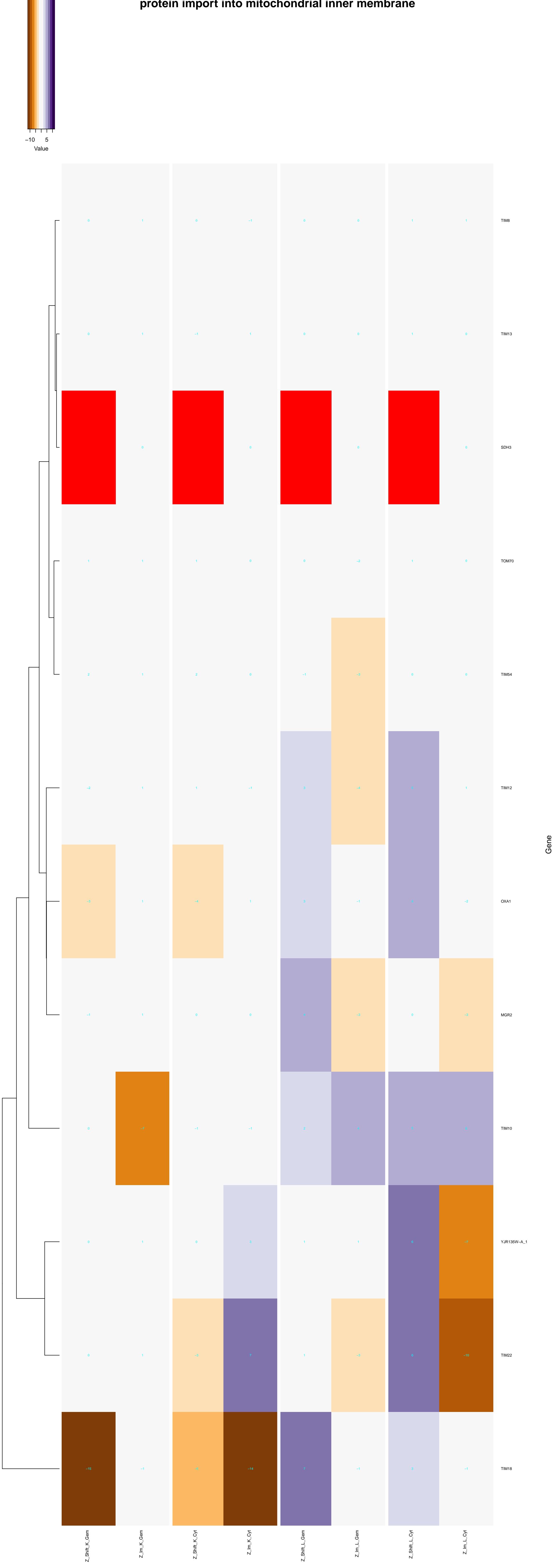
mitochondrial magnesium ion transport



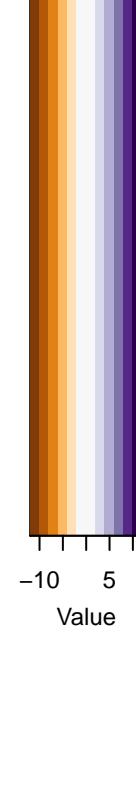
Color Key



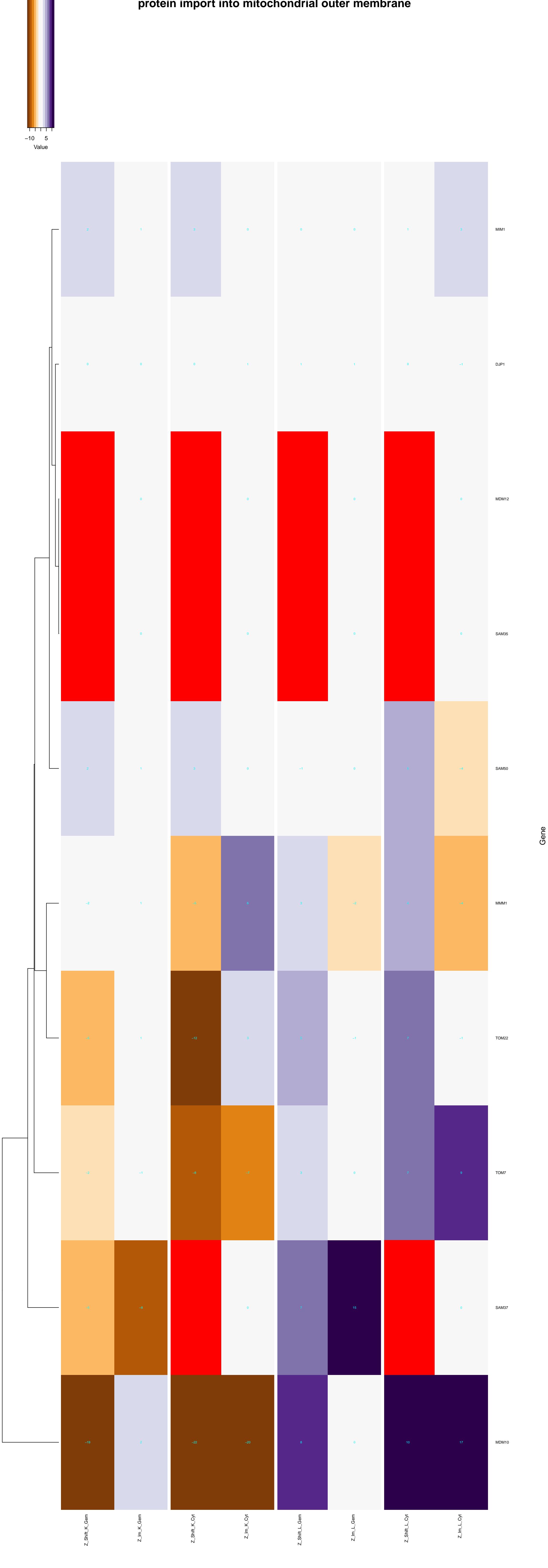
protein import into mitochondrial inner membrane



Color Key



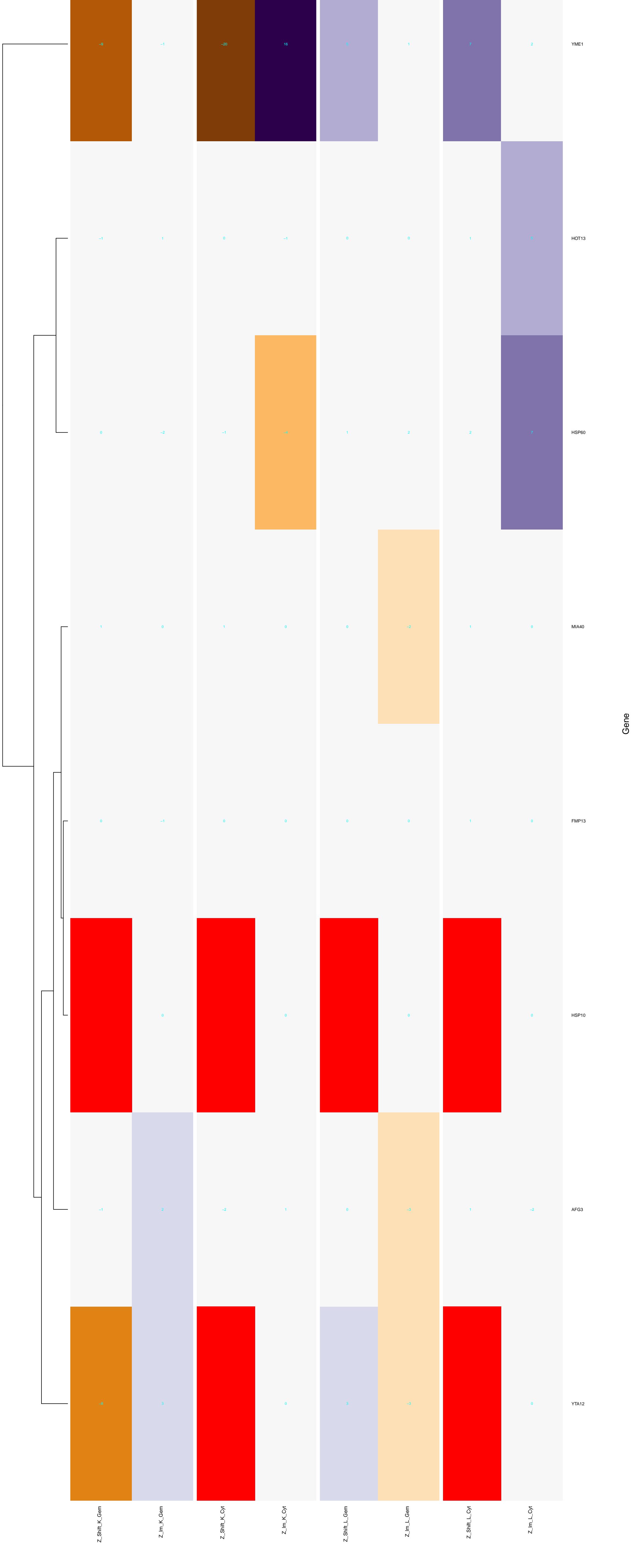
protein import into mitochondrial outer membrane



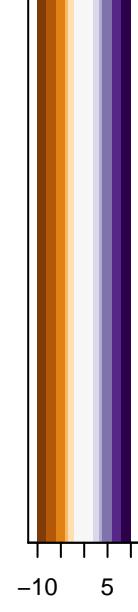
Color Key



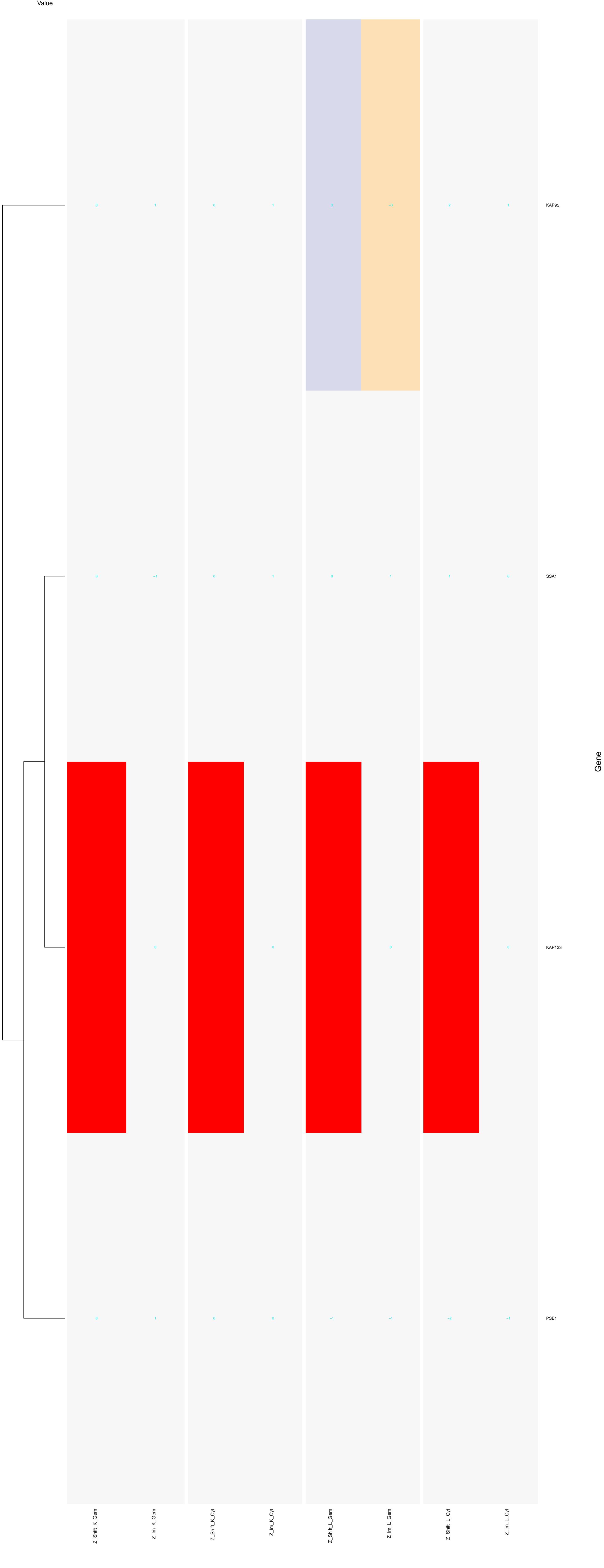
protein import into mitochondrial intermembrane space



Color Key



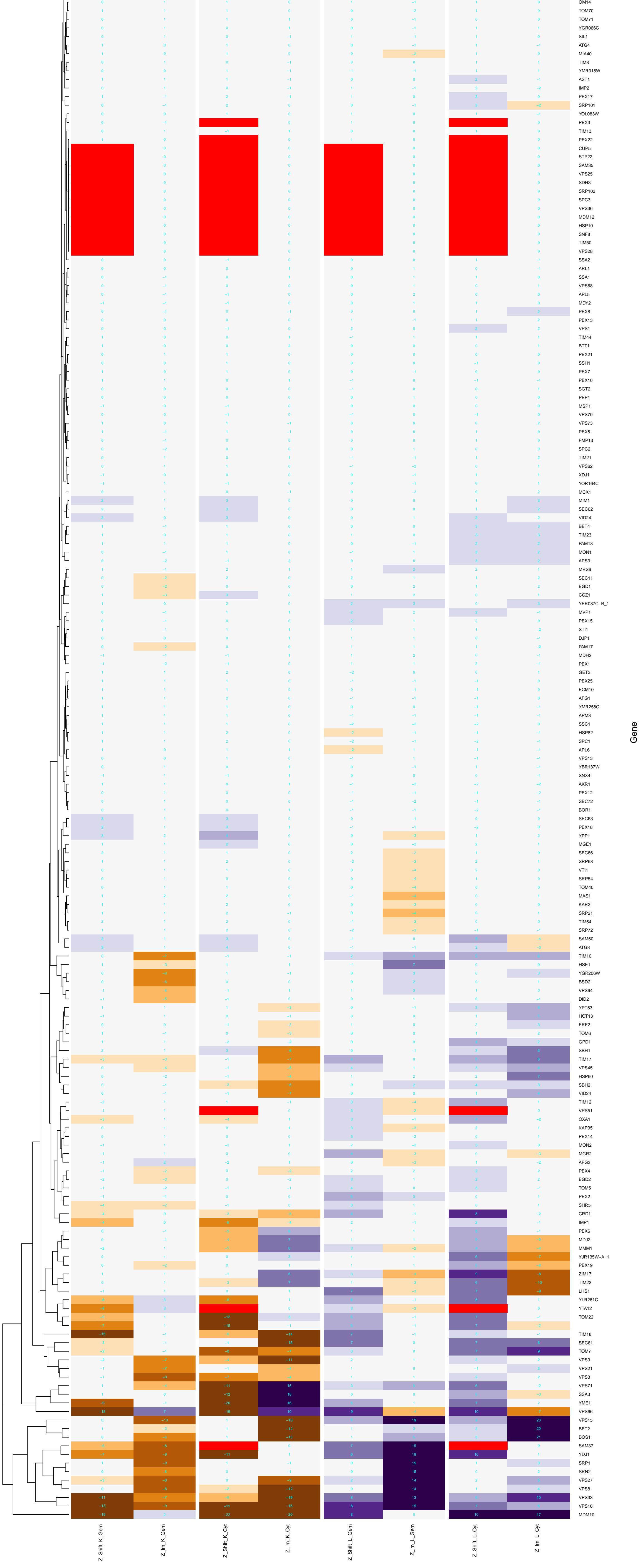
protein import into nucleus, translocation

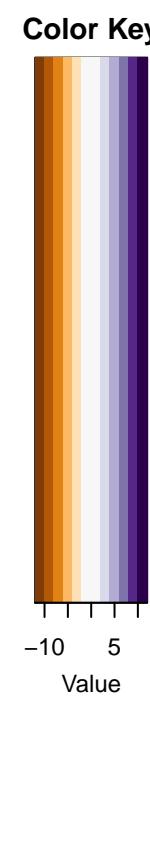


Color Key

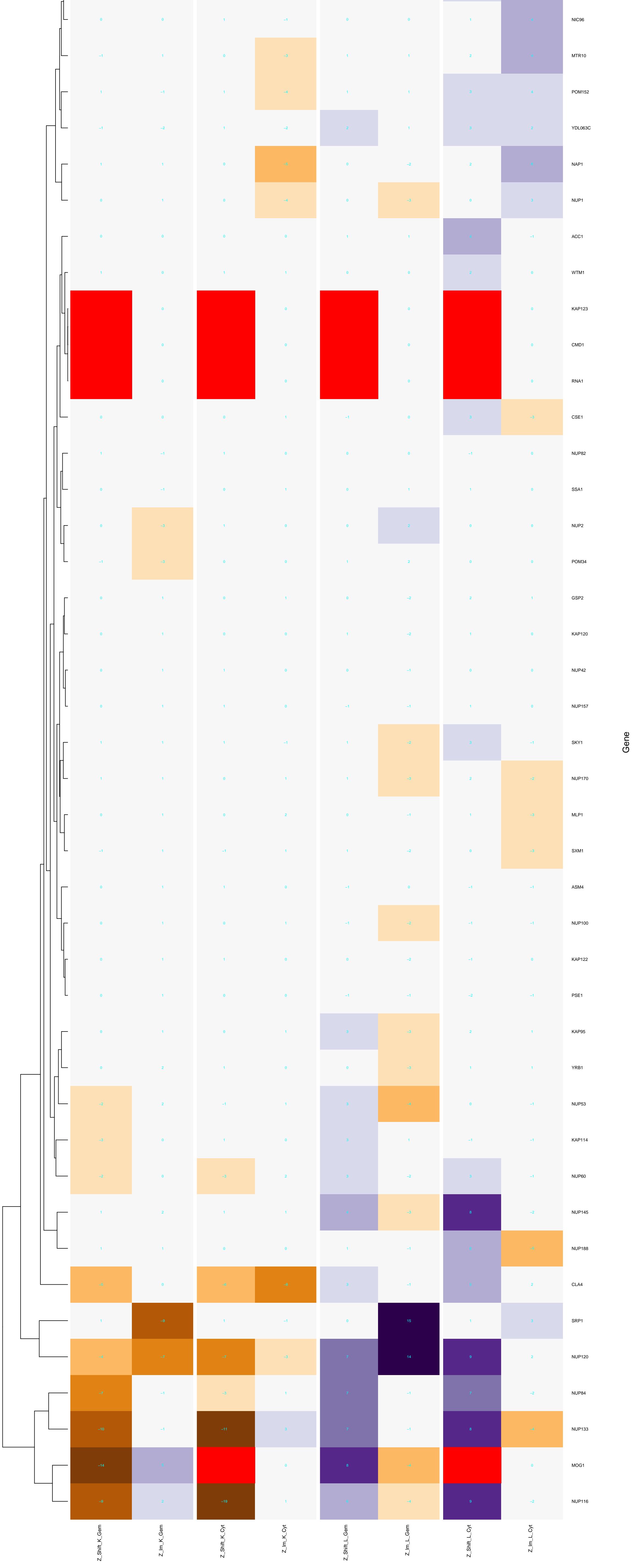


protein targeting

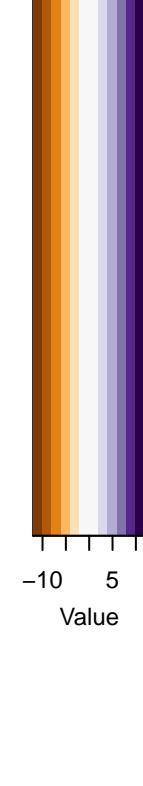




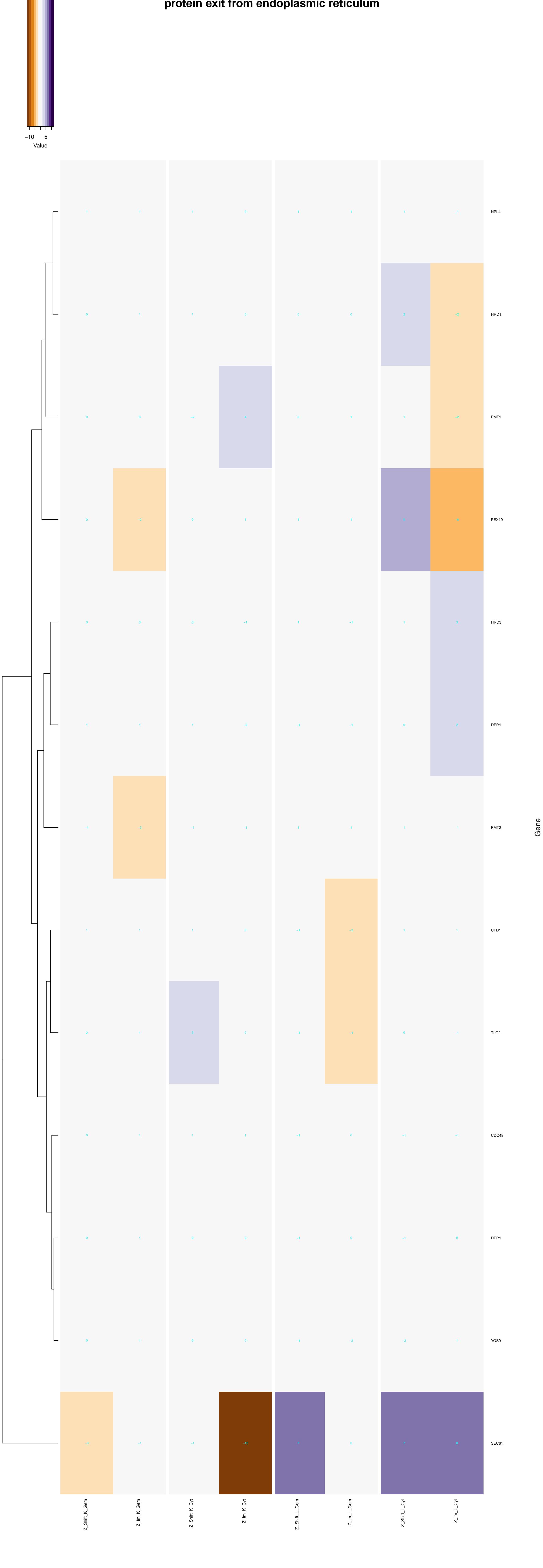
protein import into nucleus

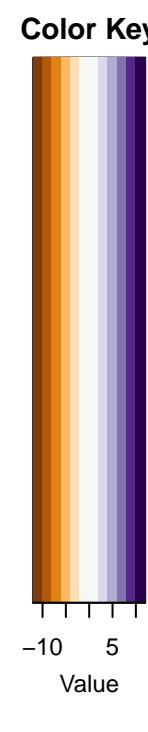


Color Key

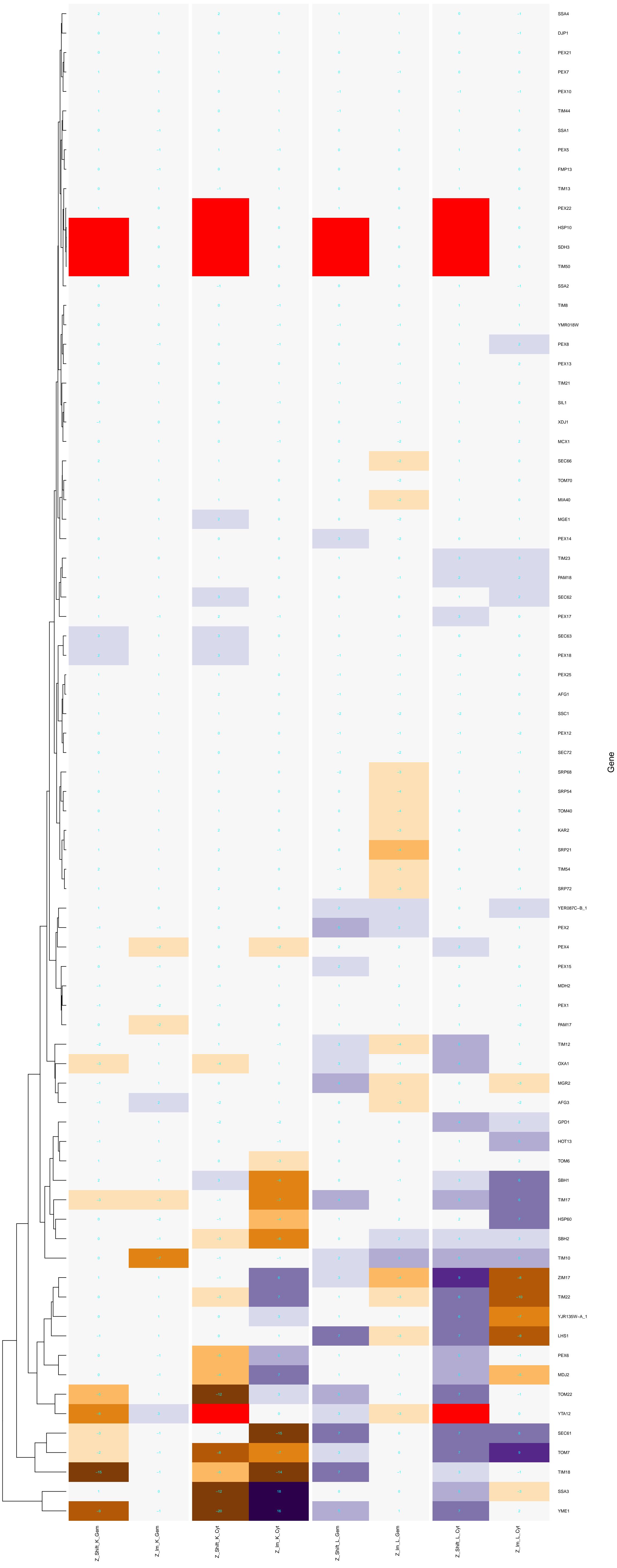


protein exit from endoplasmic reticulum

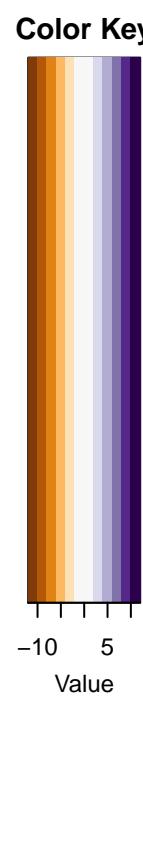




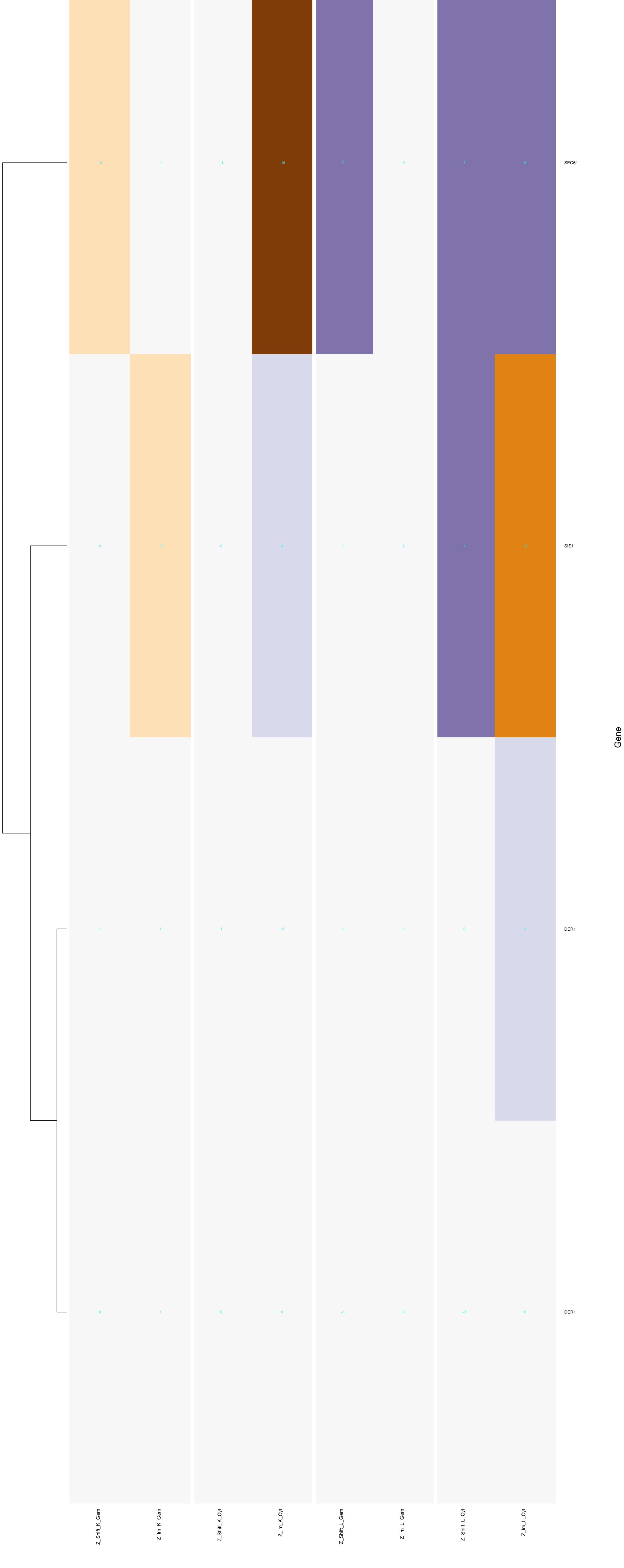
intracellular protein transmembrane transport



Color Key

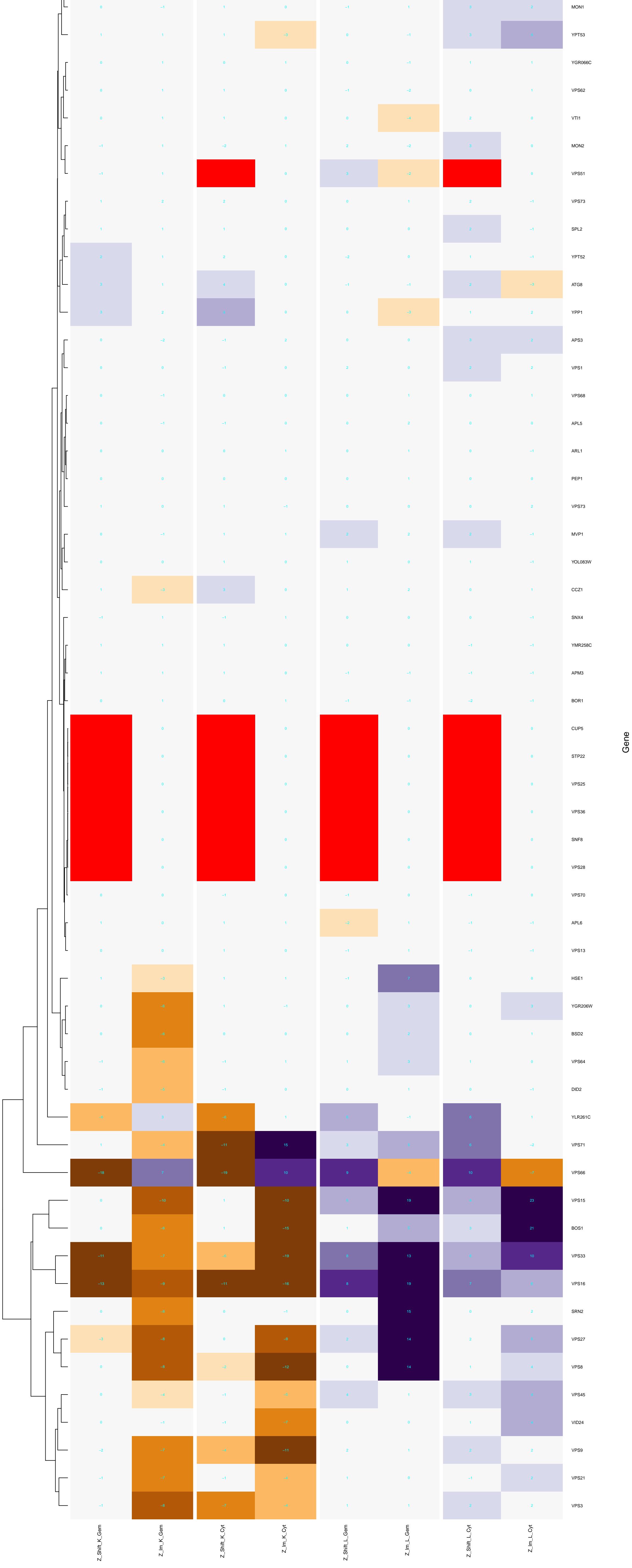


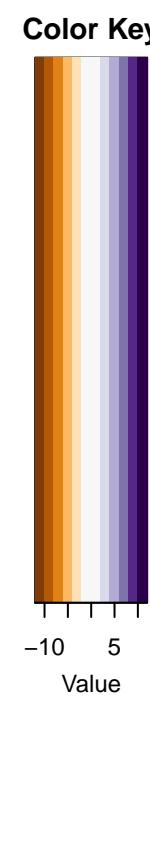
misfolded protein transport



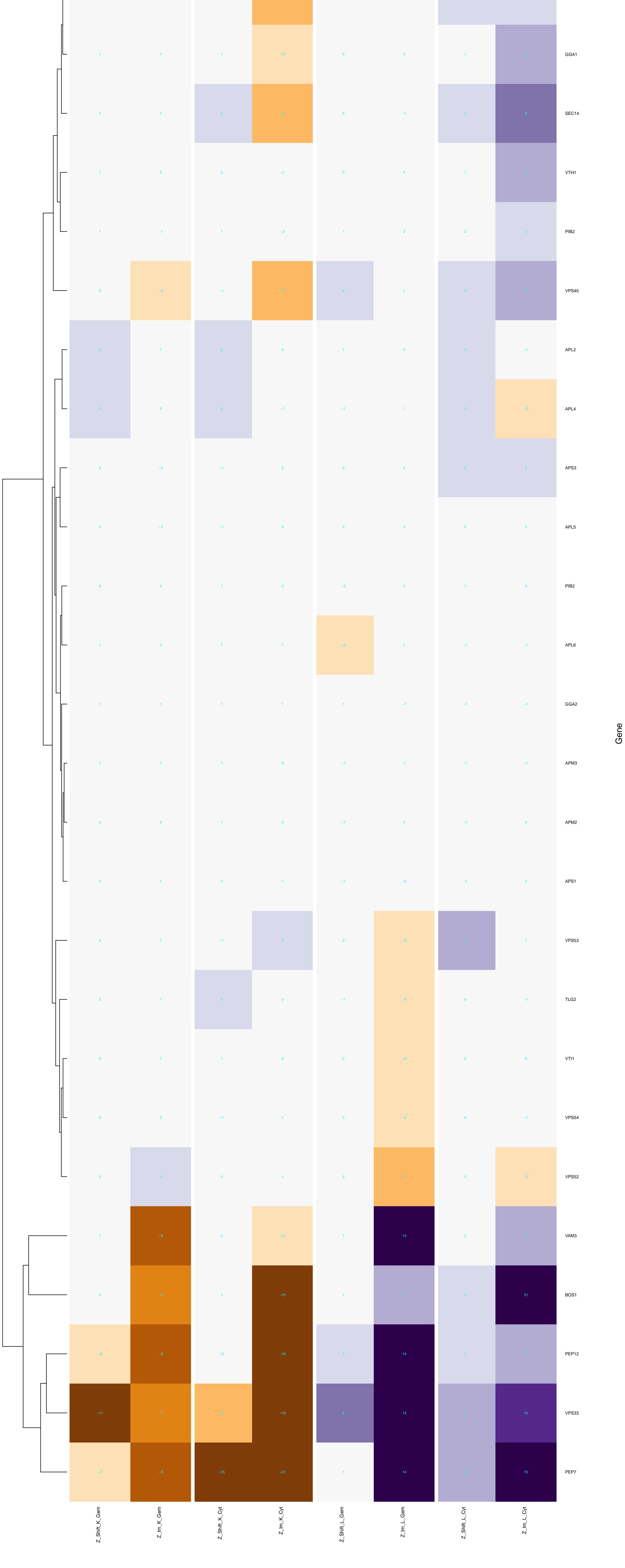
protein targeting to vacuole

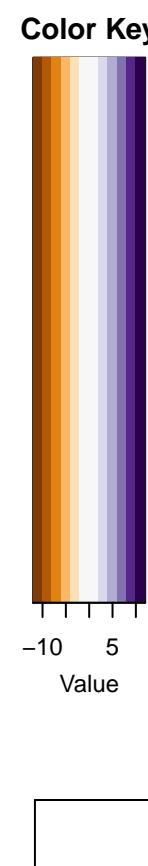
Color Key



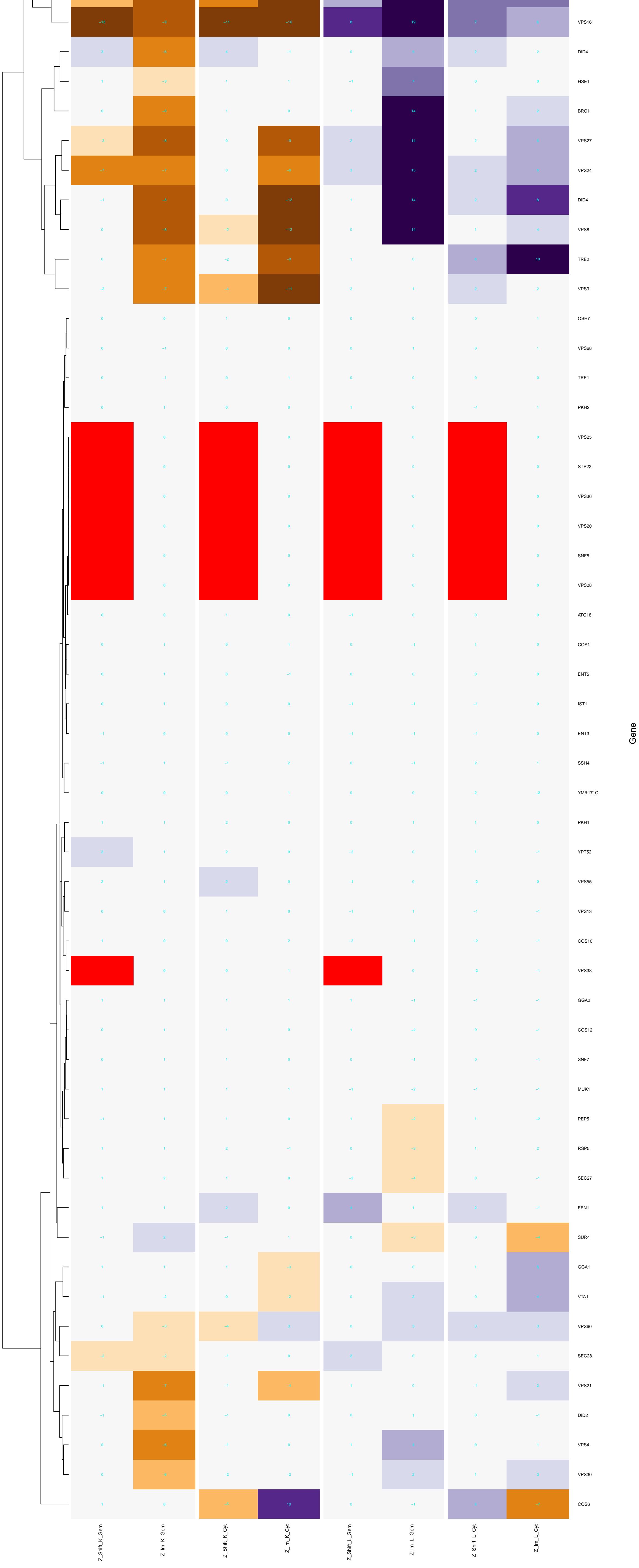


Golgi to vacuole transport





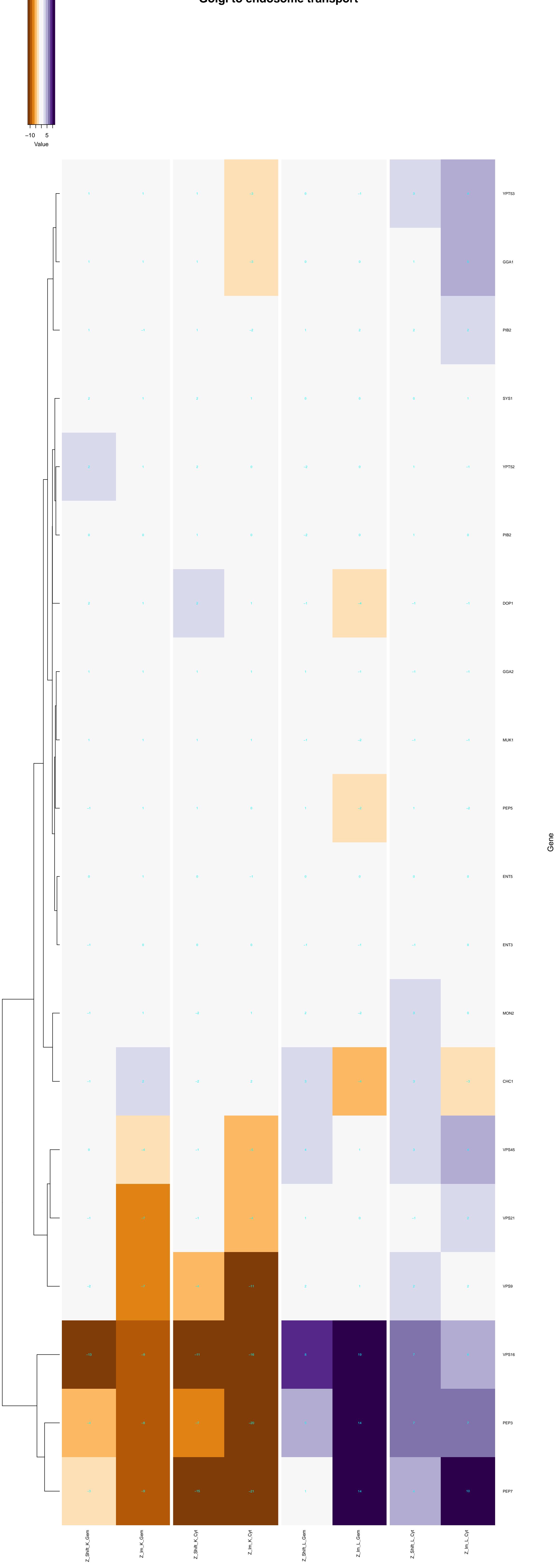
late endosome to vacuole transport



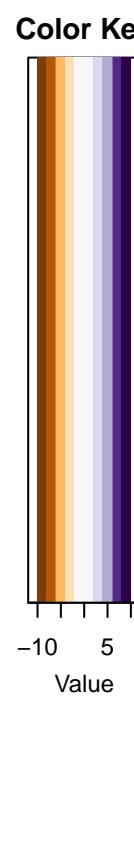
Color Key



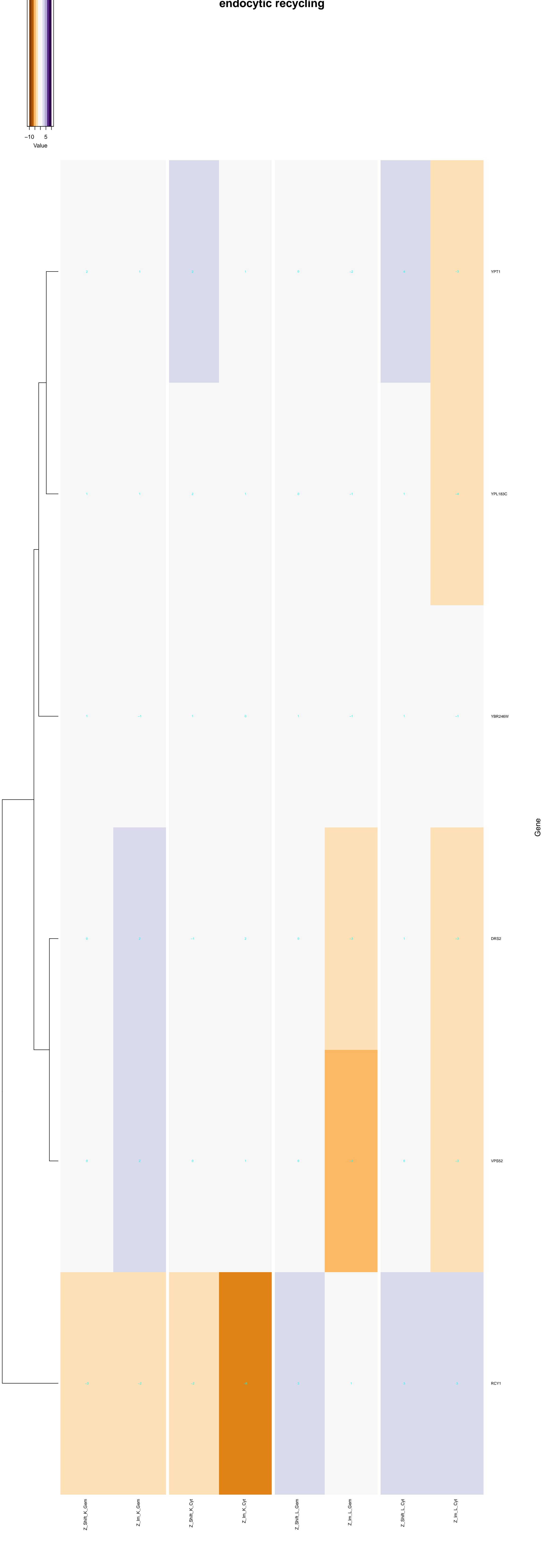
Golgi to endosome transport

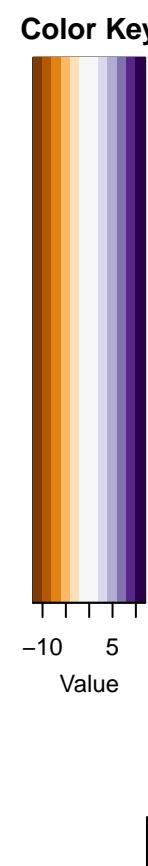


Color Key

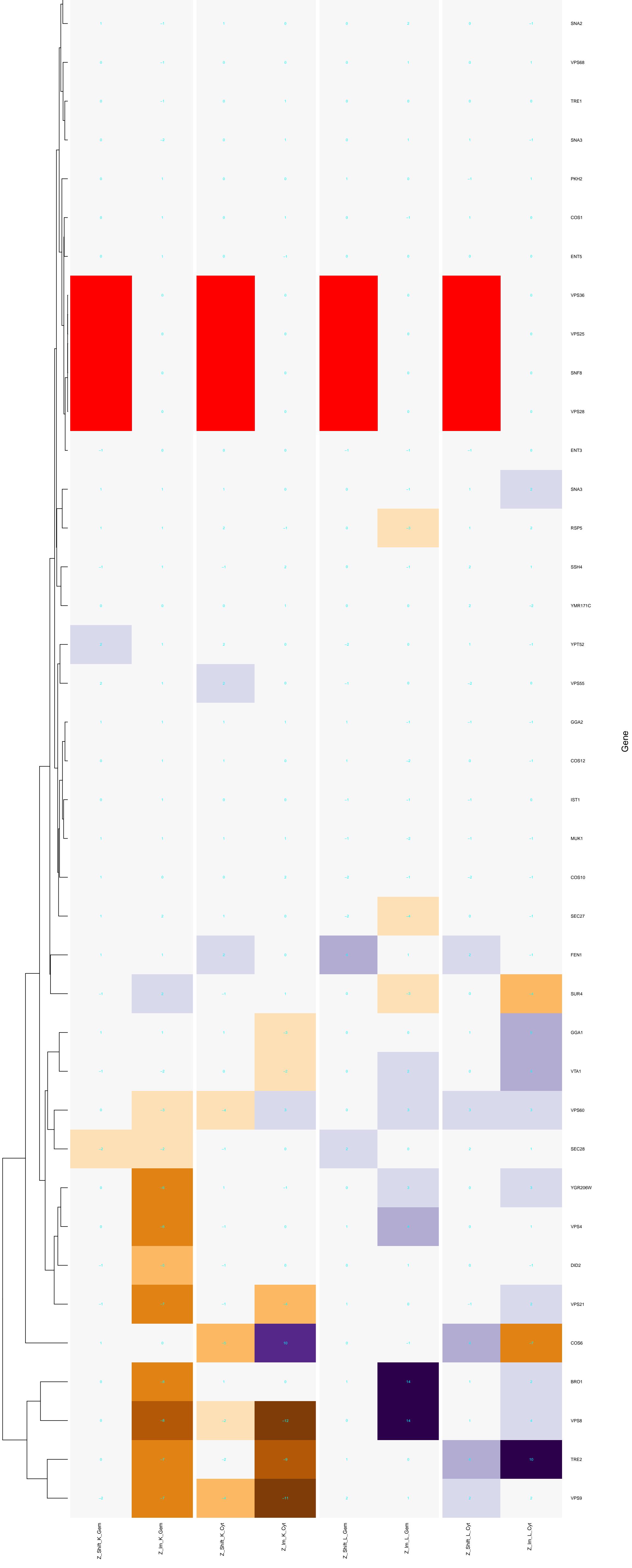


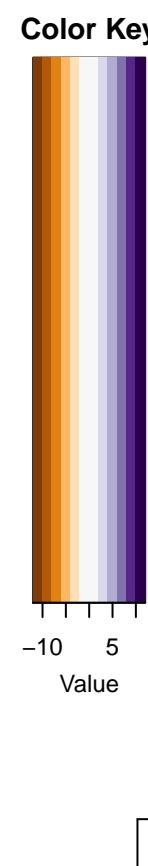
endocytic recycling



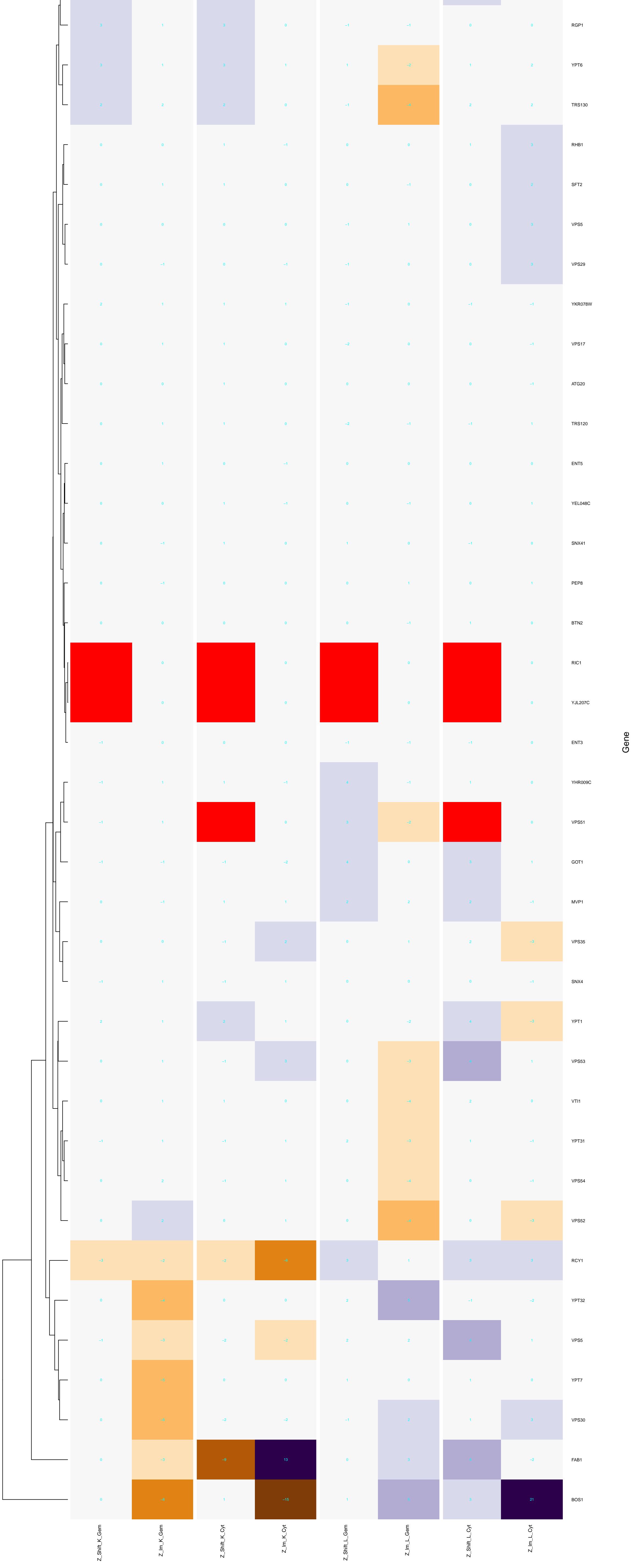


endosome transport via multivesicular body sorting pathway





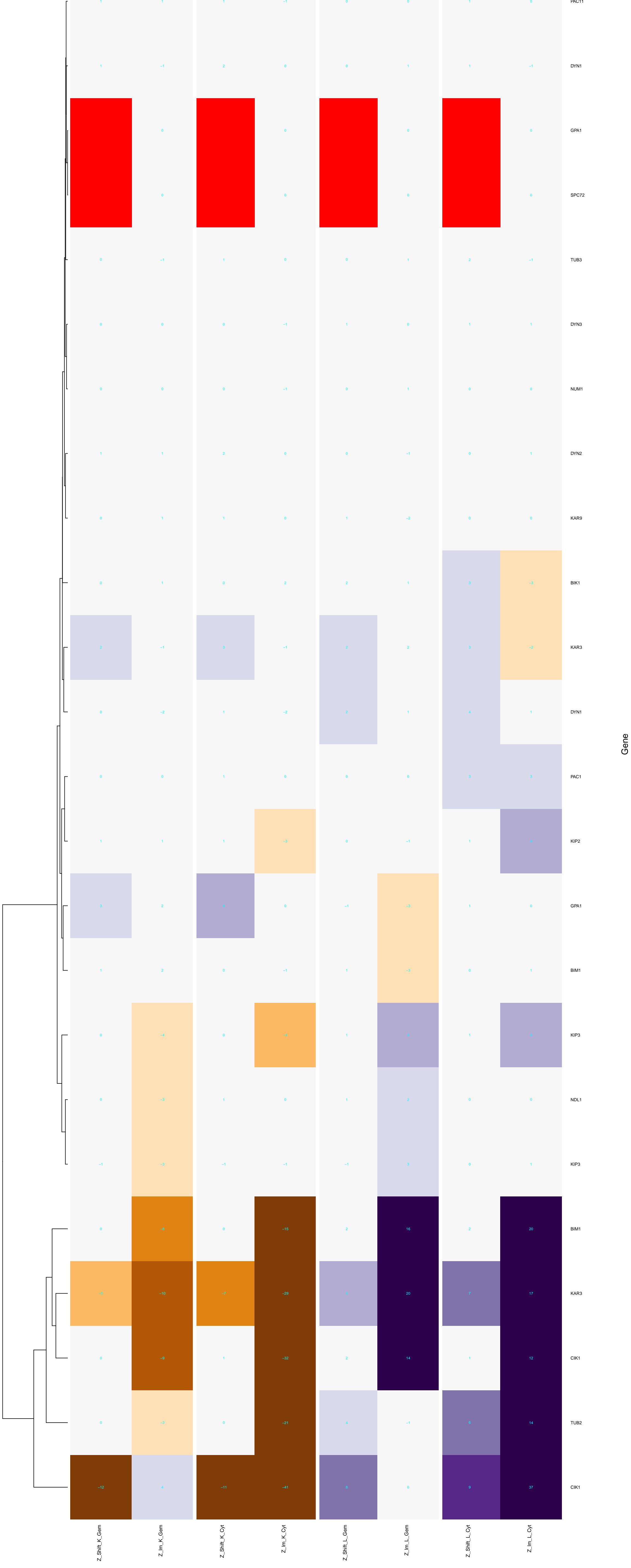
retrograde transport, endosome to Golgi



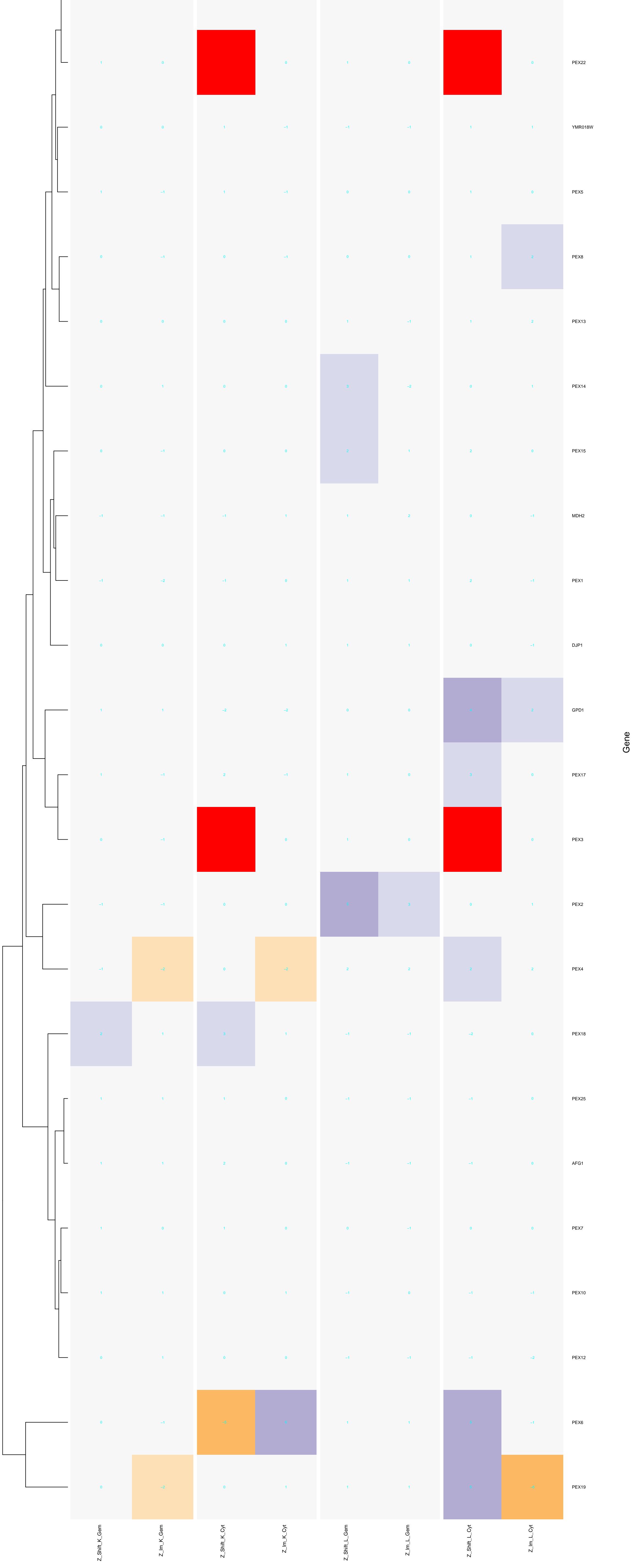
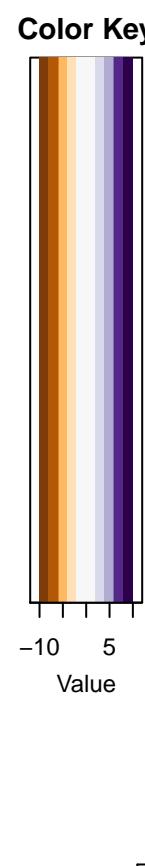
Color Key



transport along microtubule



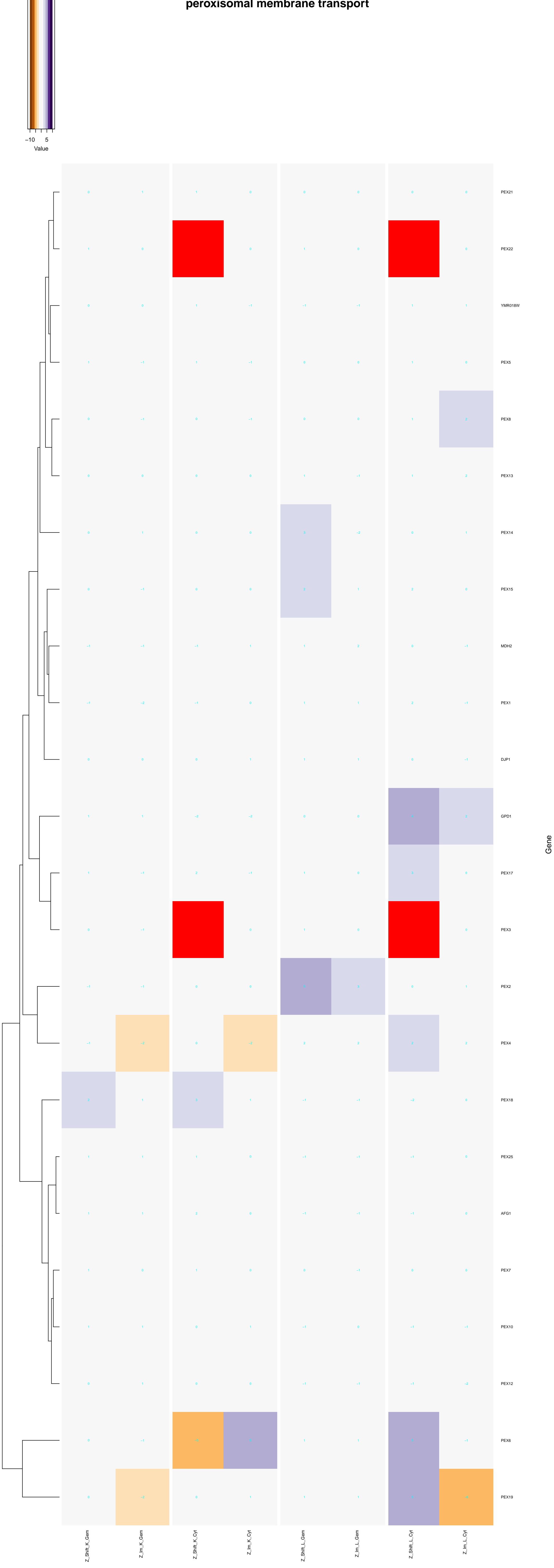
protein targeting to peroxisome



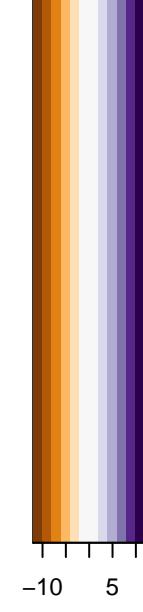
Color Key



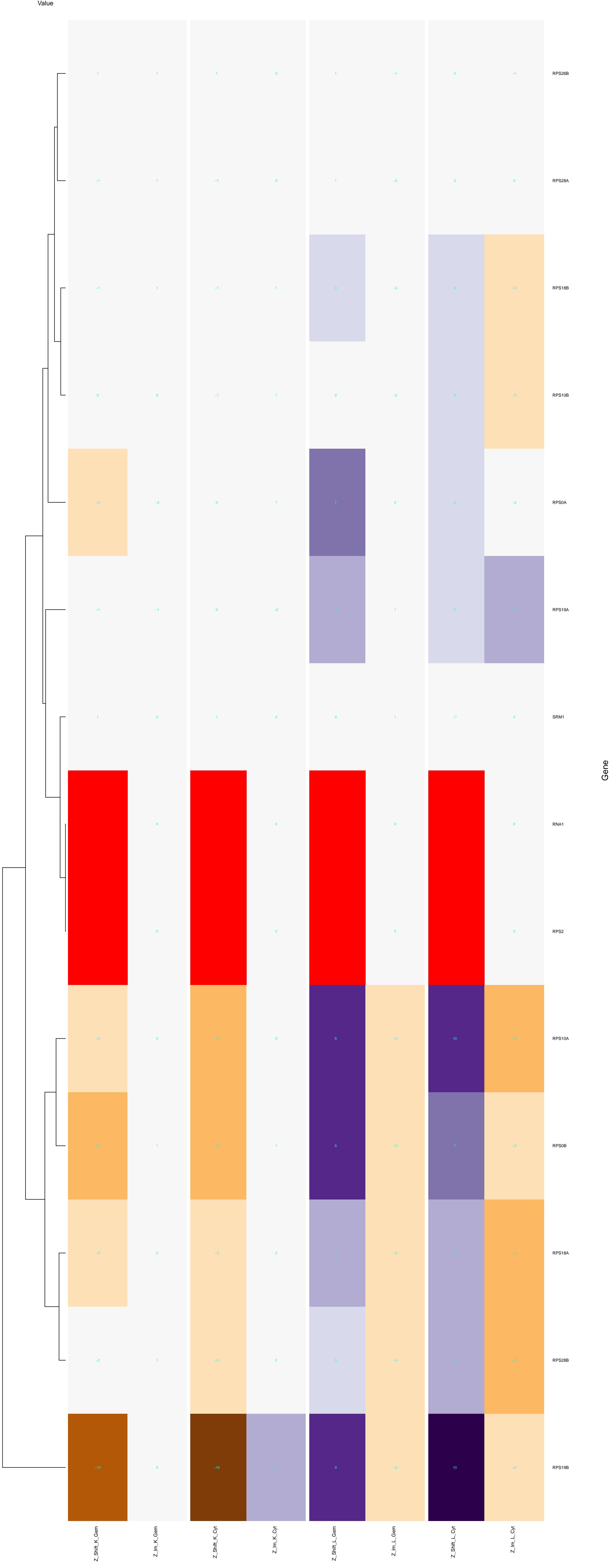
peroxisomal membrane transport



Color Key



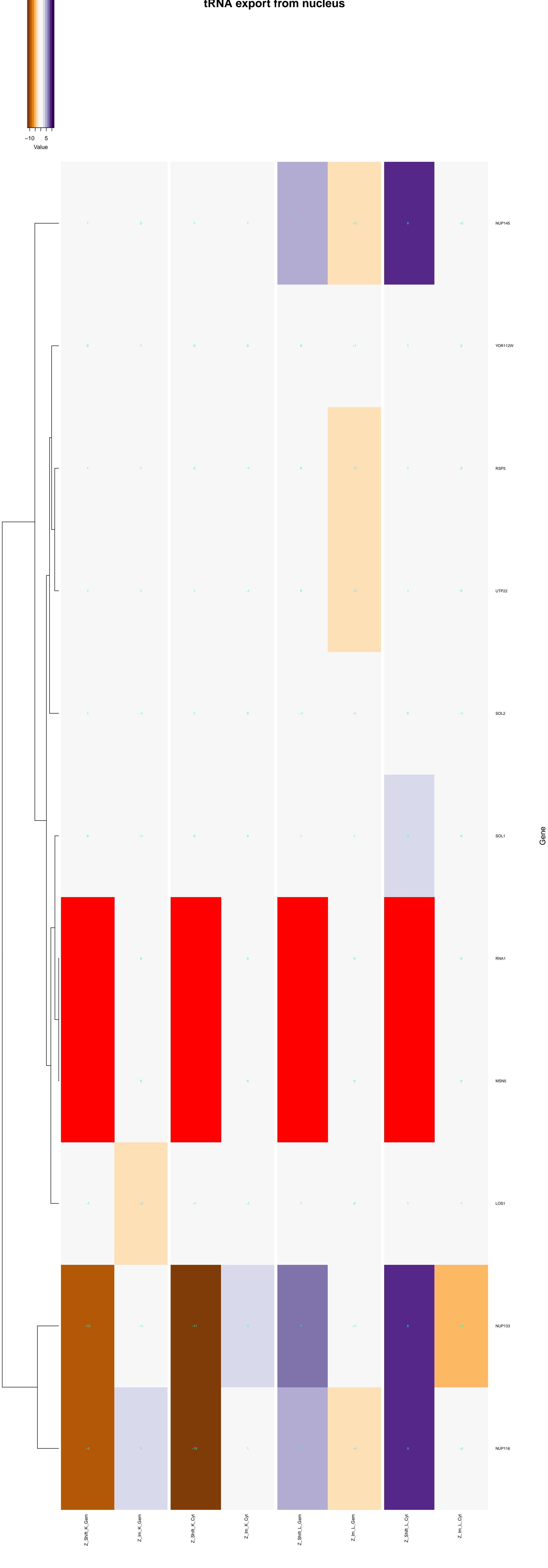
rRNA export from nucleus



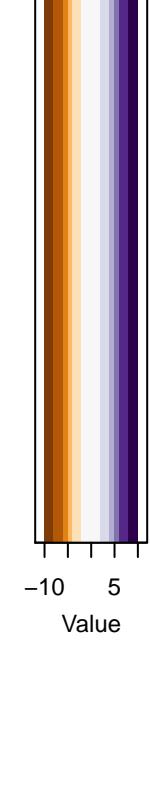
Color Key



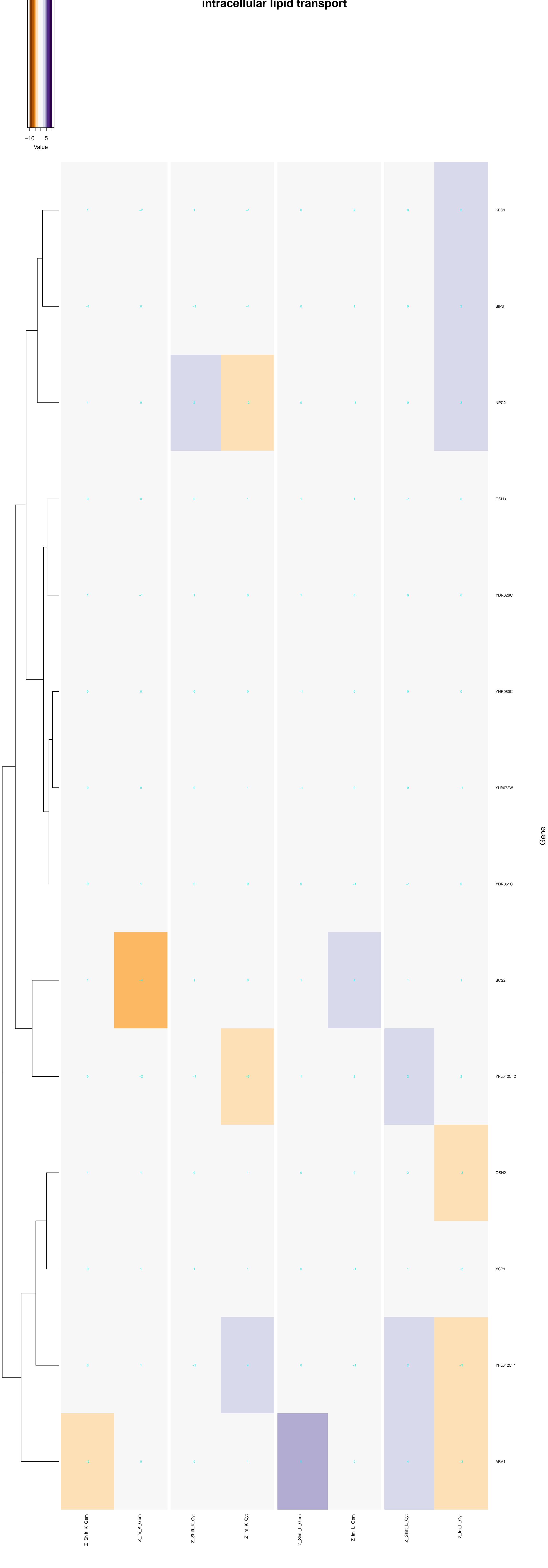
tRNA export from nucleus

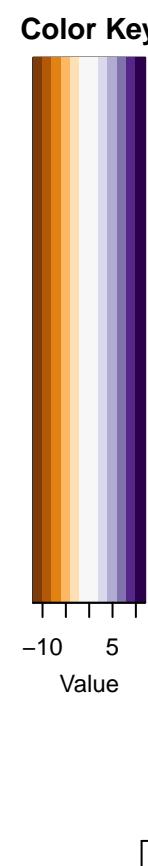


Color Key

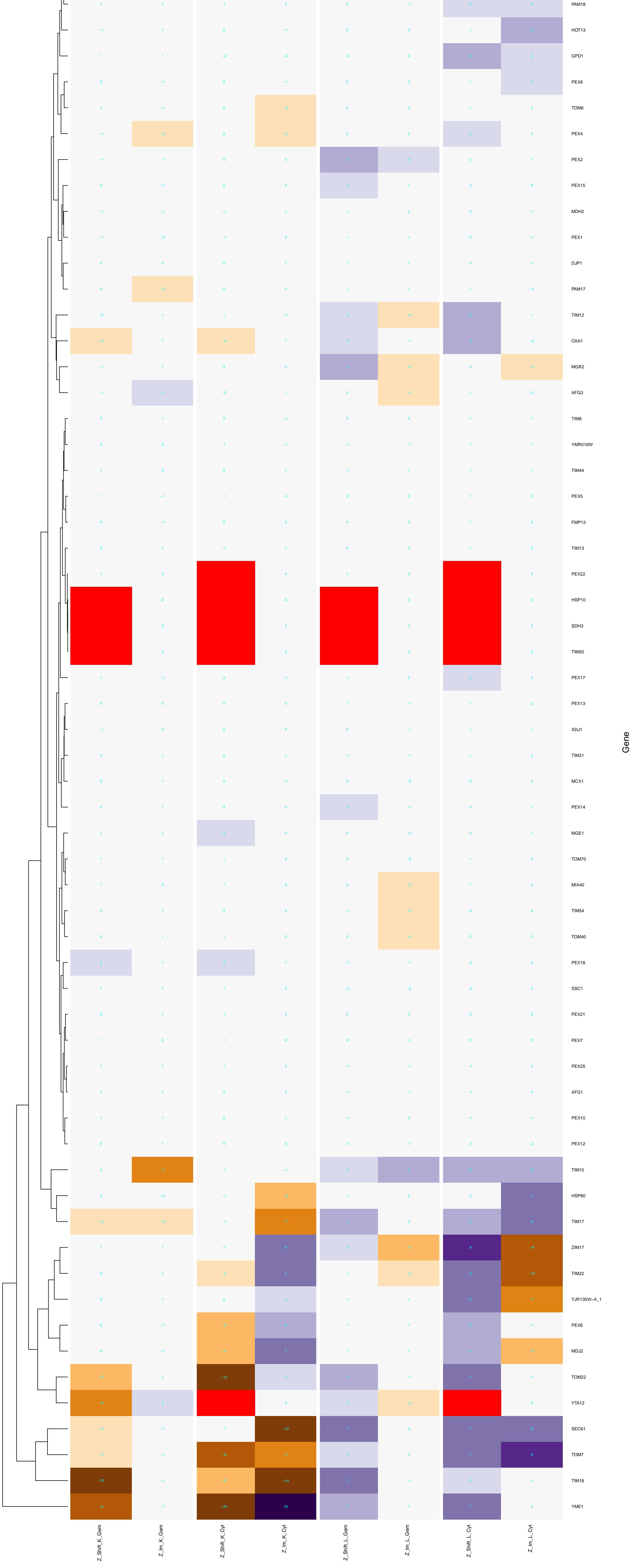


intracellular lipid transport

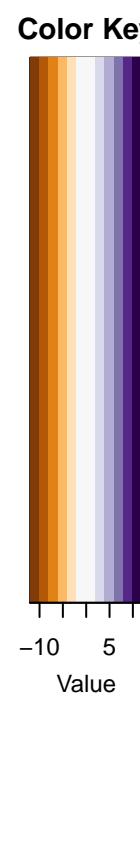




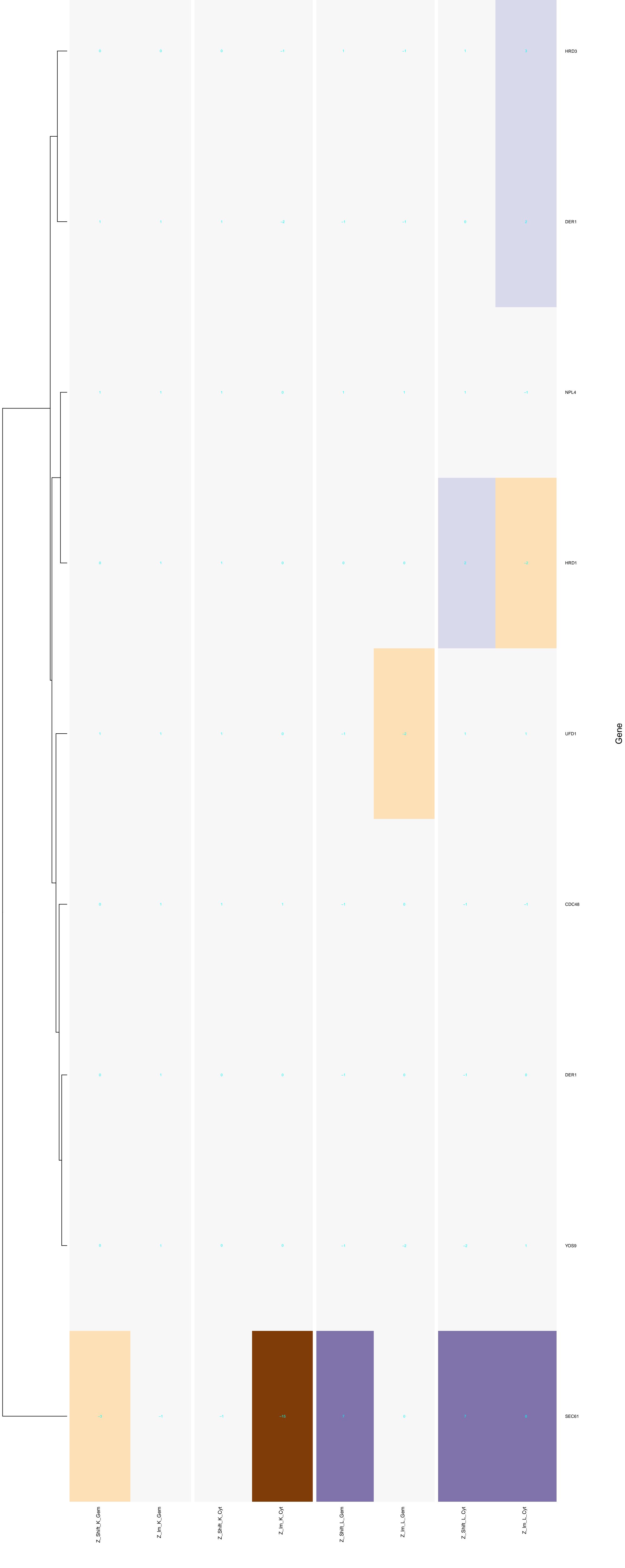
intracellular protein transmembrane import

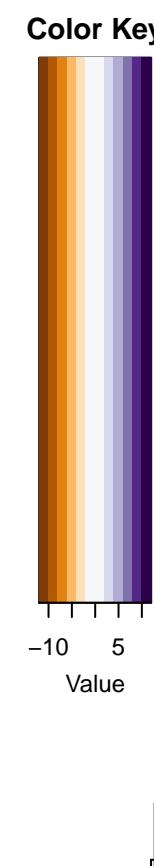


Color Key

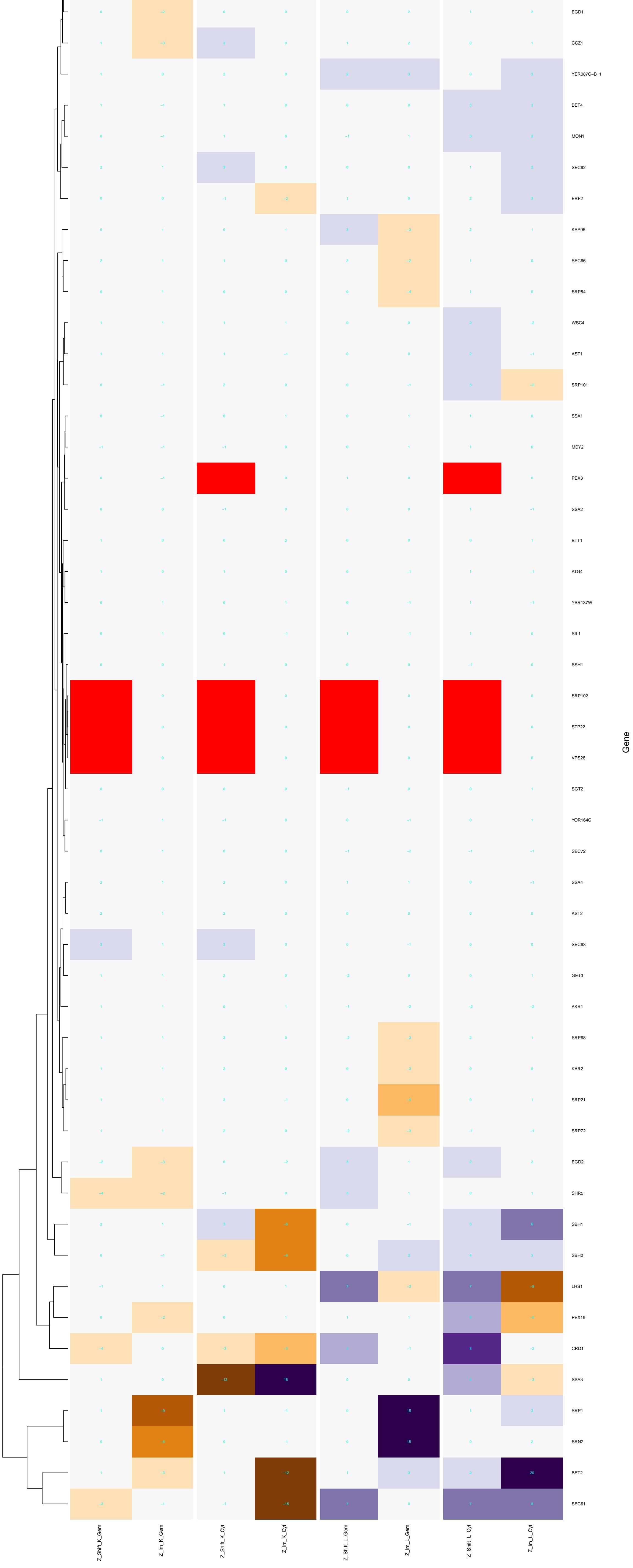


retrograde protein transport, ER to cytosol

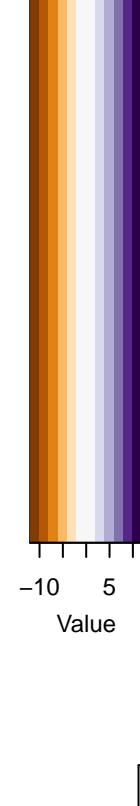




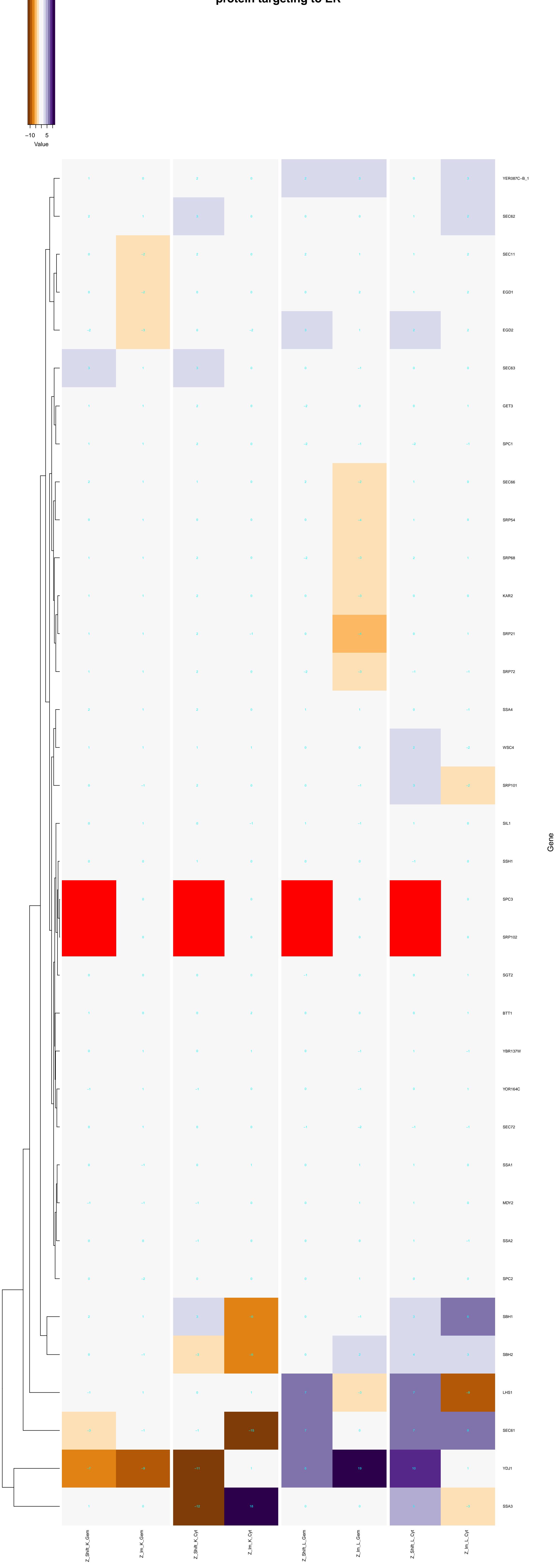
protein targeting to membrane



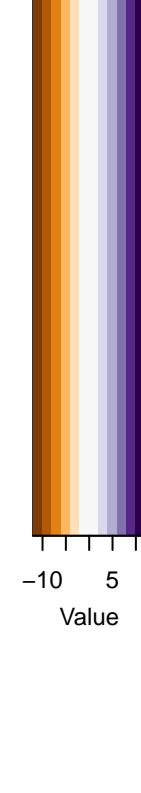
Color Key



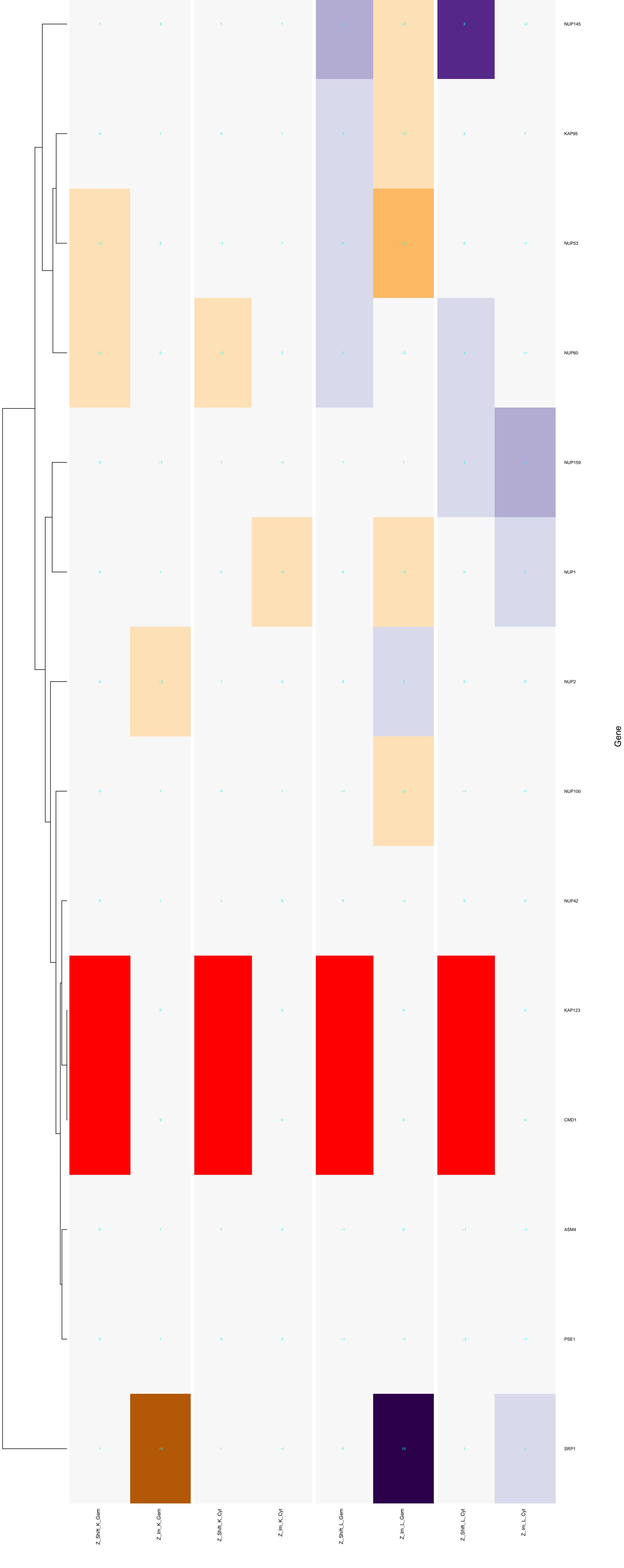
protein targeting to ER



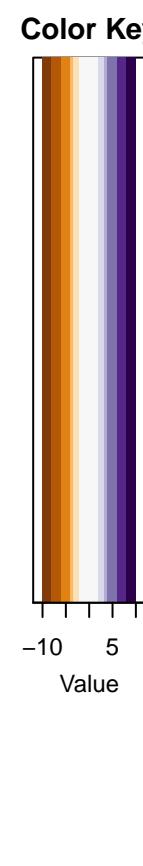
Color Key



NLS-bearing protein import into nucleus



Color Key



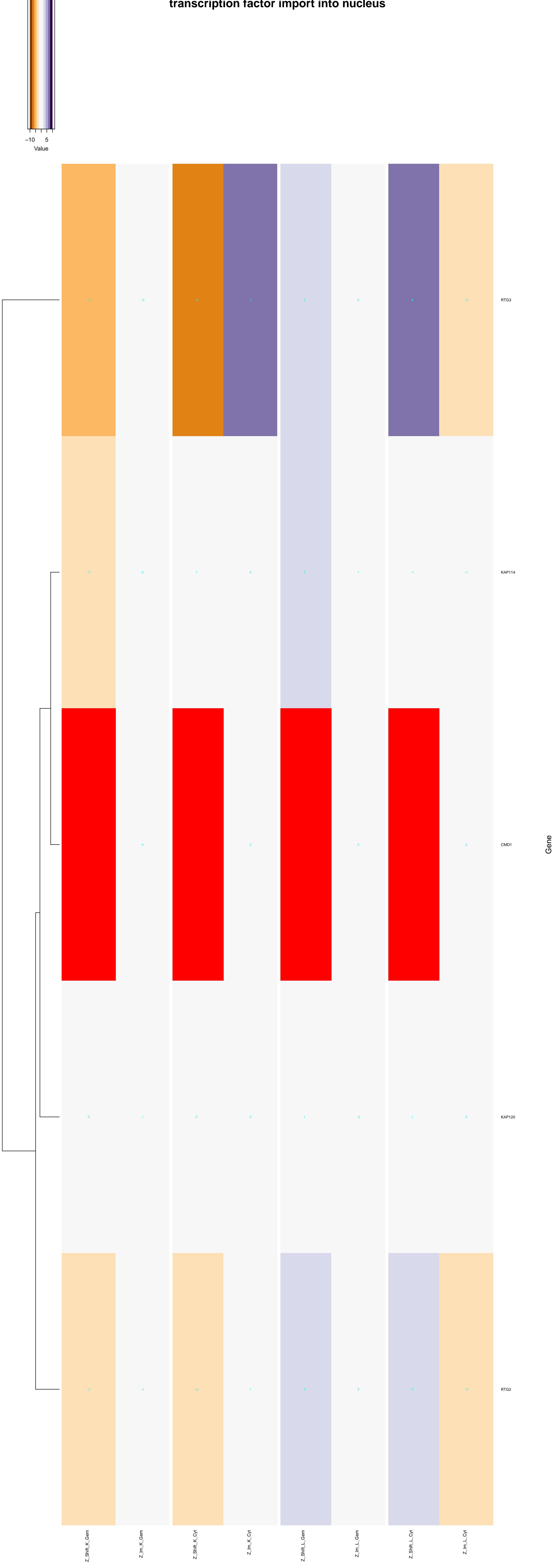
ribosomal protein import into nucleus

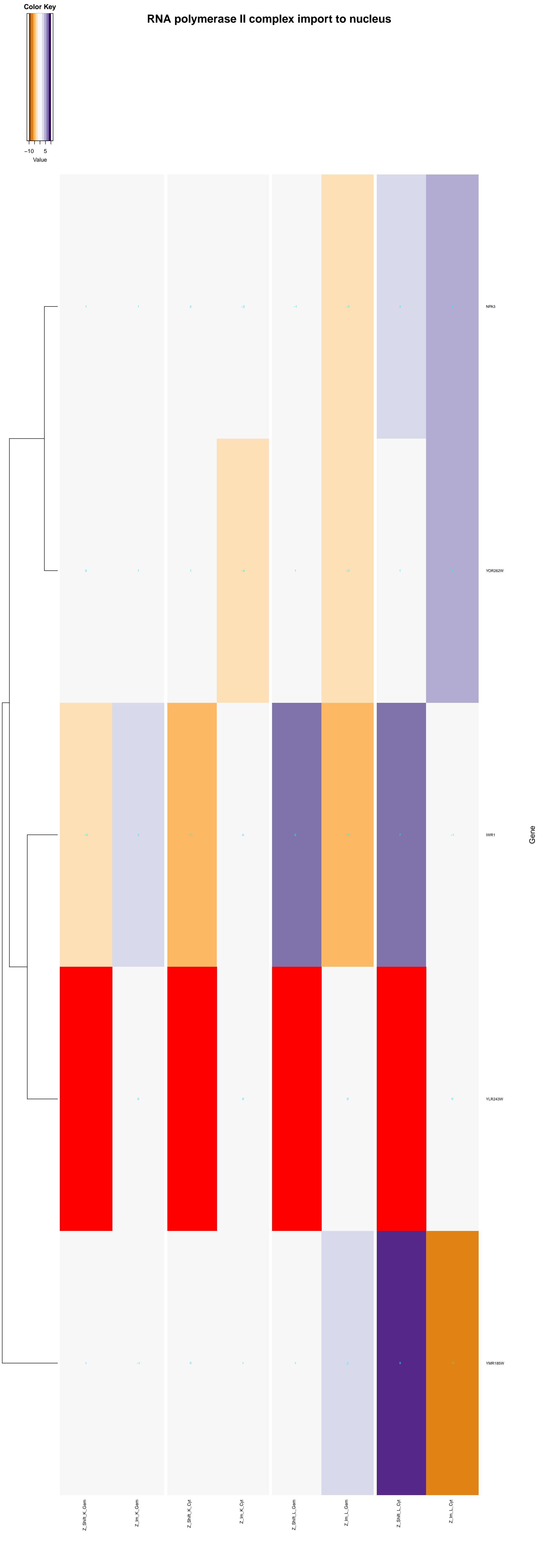


Color Key

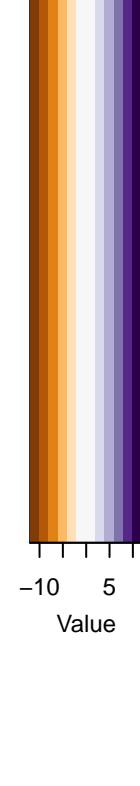


transcription factor import into nucleus

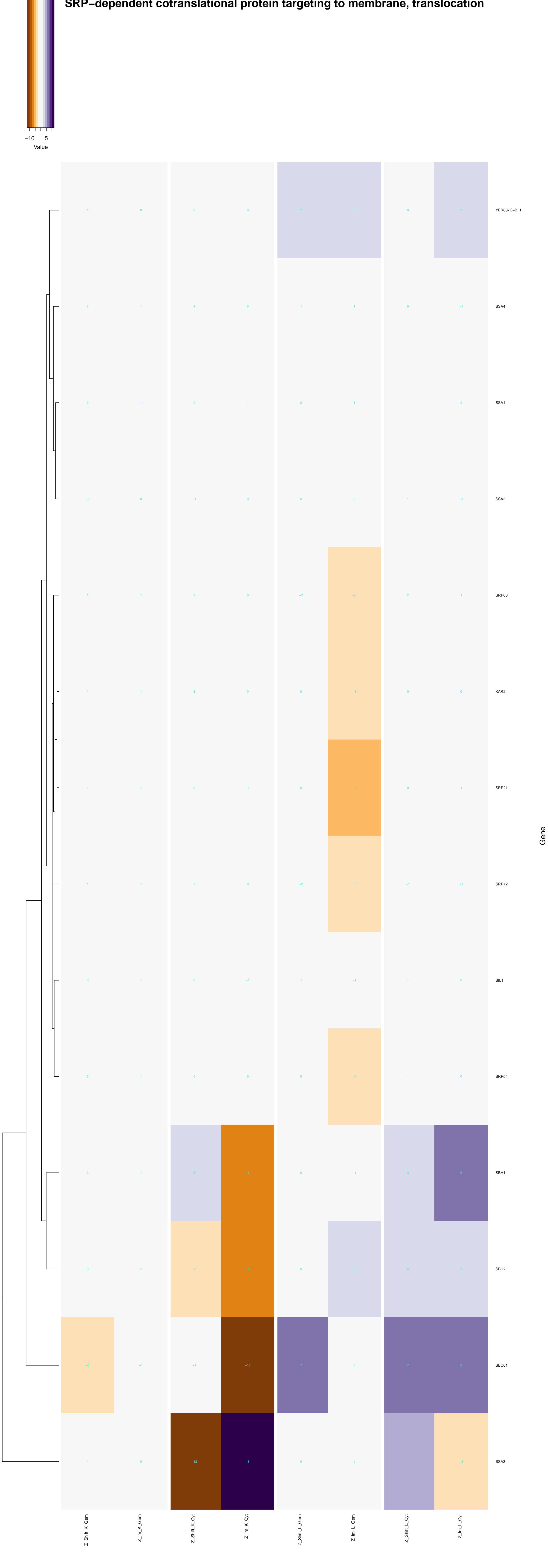




Color Key



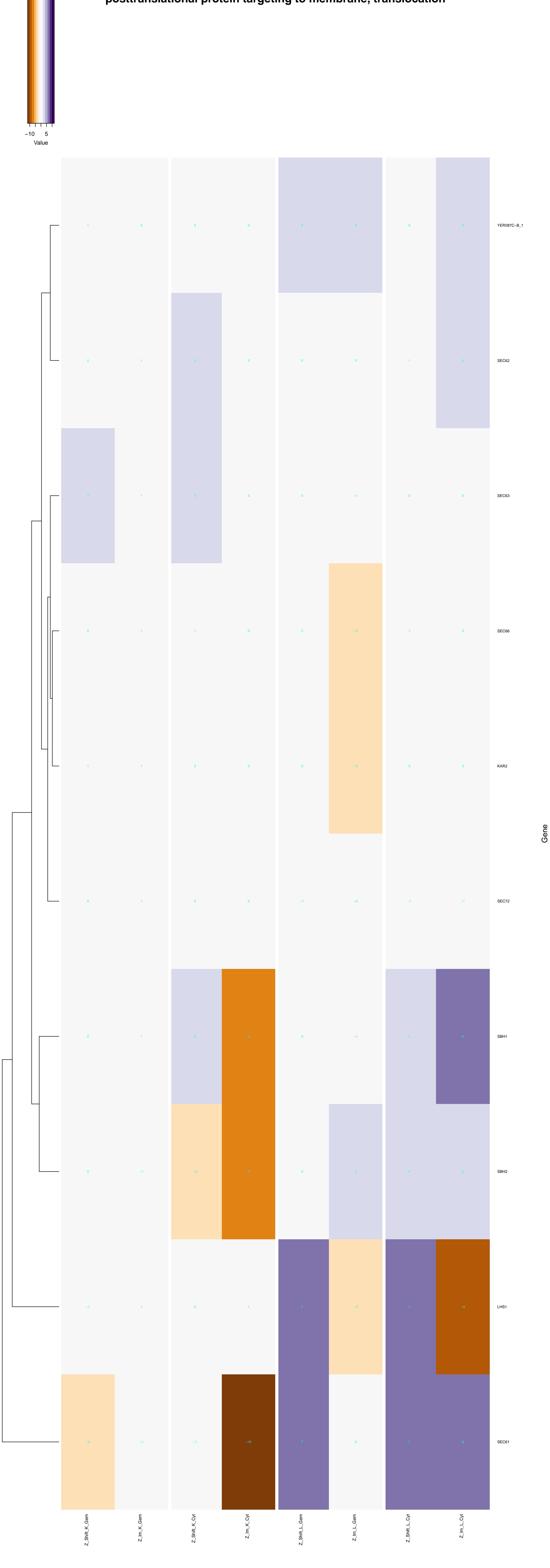
SRP-dependent cotranslational protein targeting to membrane, translocation

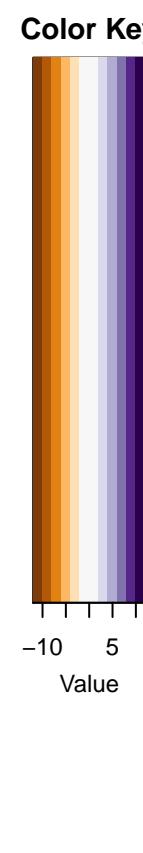


Color Key

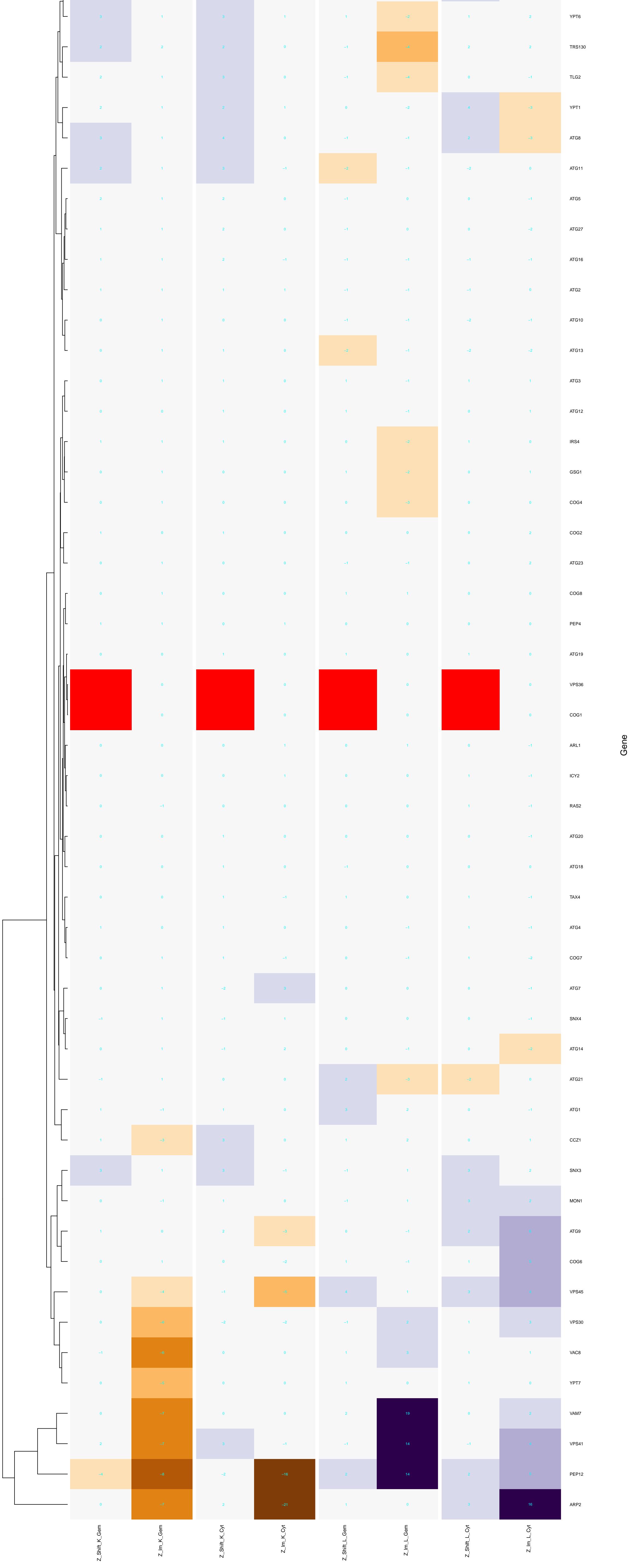


posttranslational protein targeting to membrane, translocation

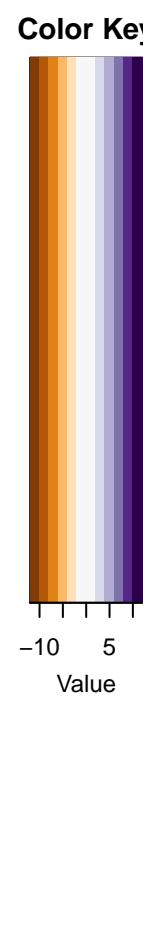




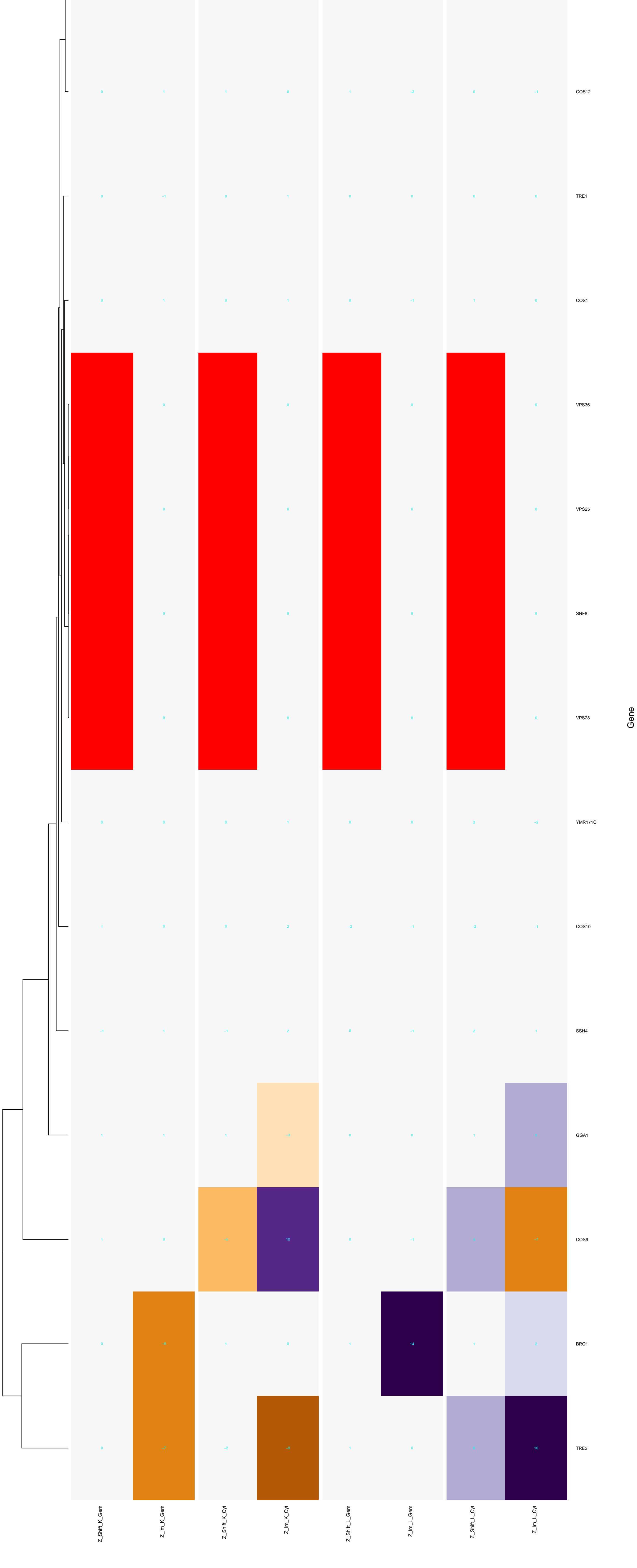
CVT pathway

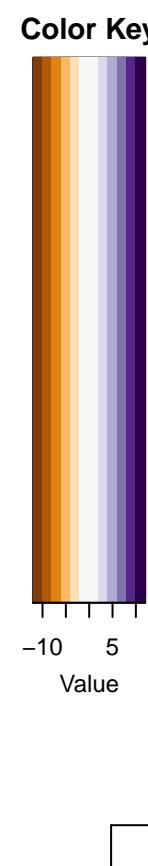


Color Key



le involved in ubiquitin-dependent protein catabolic process via the multivesicular body s

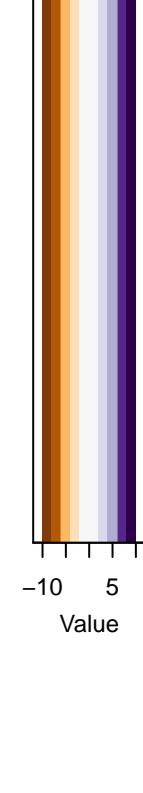




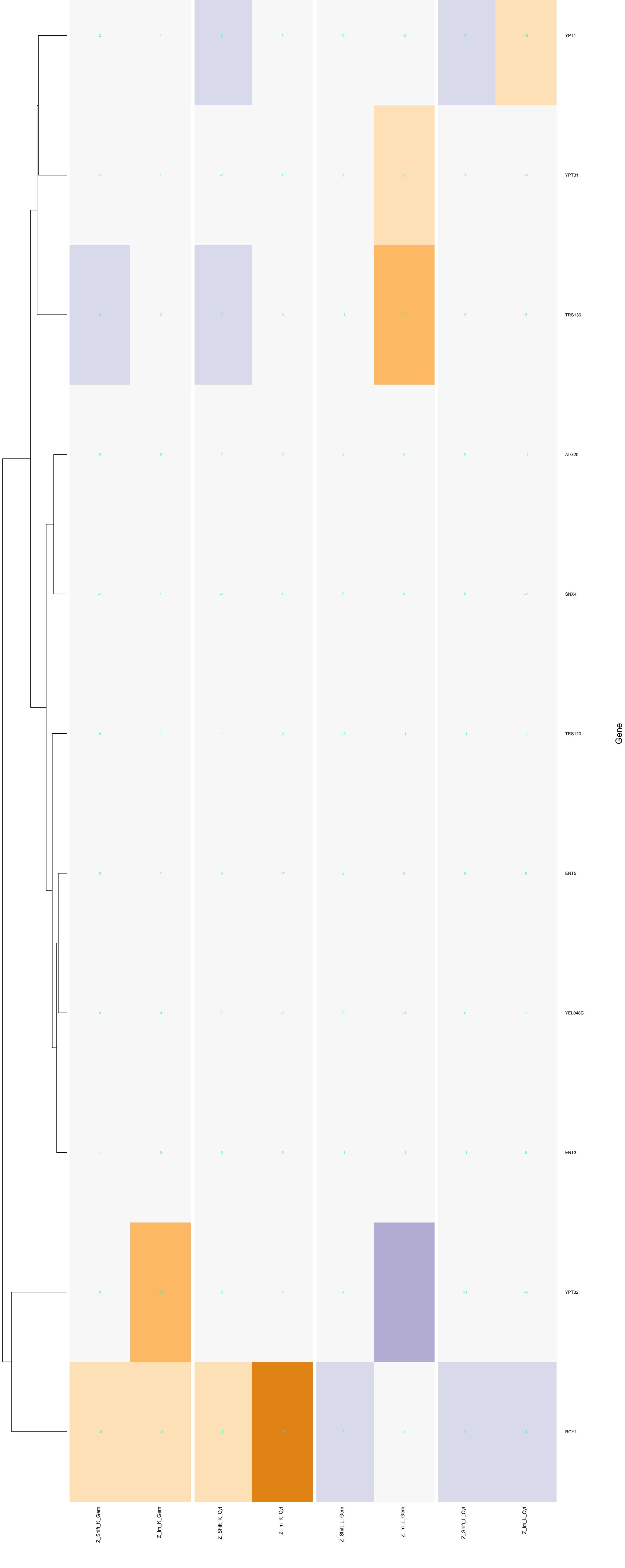
late endosome to vacuole transport via multivesicular body sorting pathway



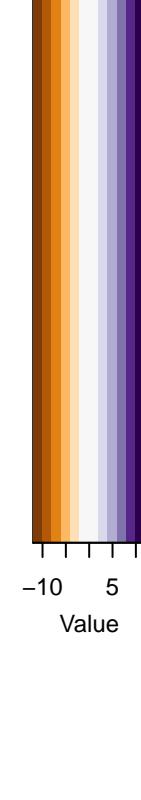
Color Key



early endosome to Golgi transport



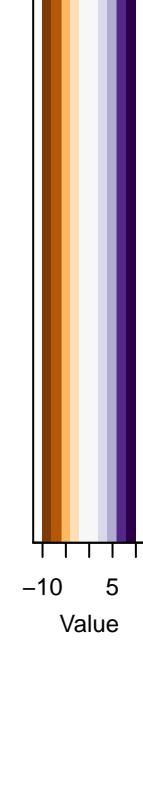
Color Key



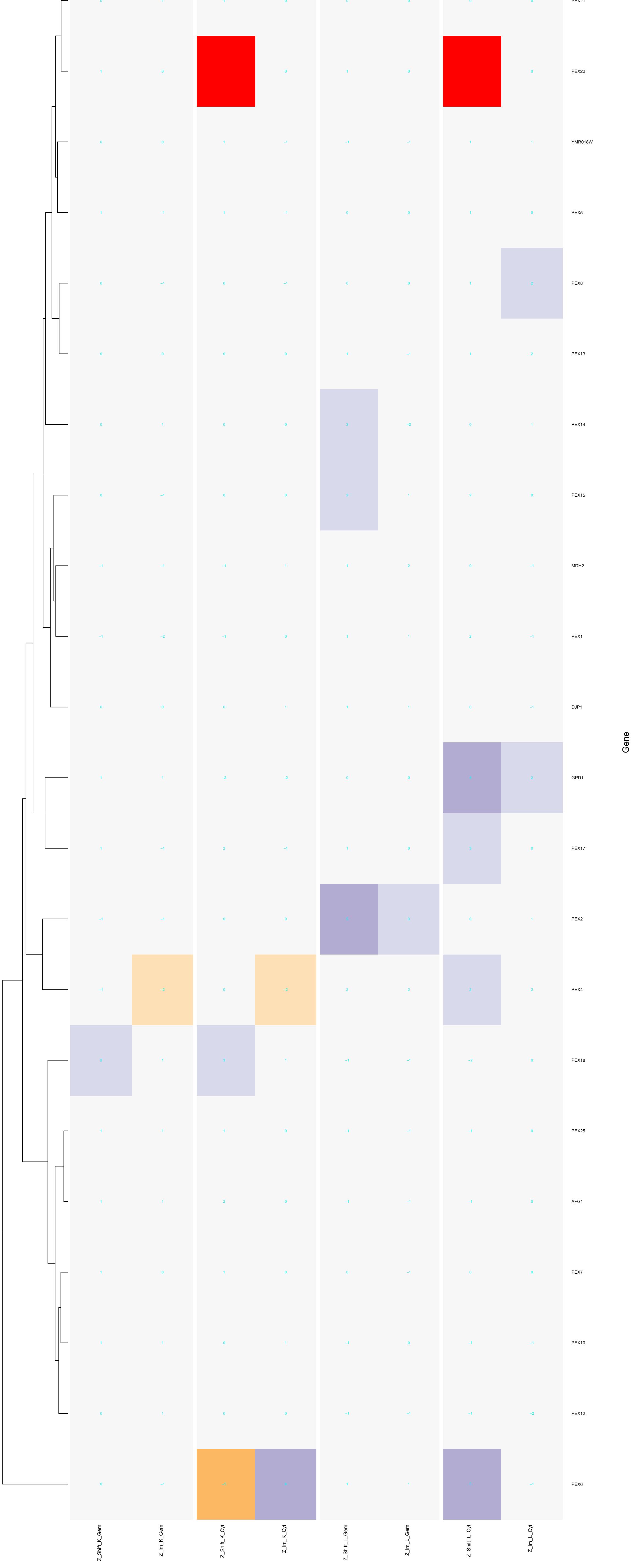
organelle transport along microtubule



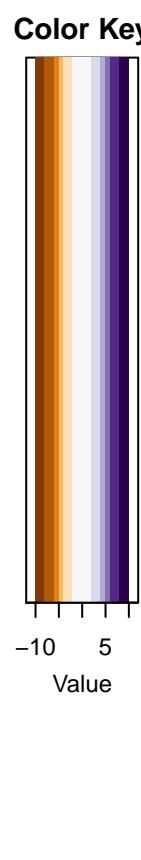
Color Key



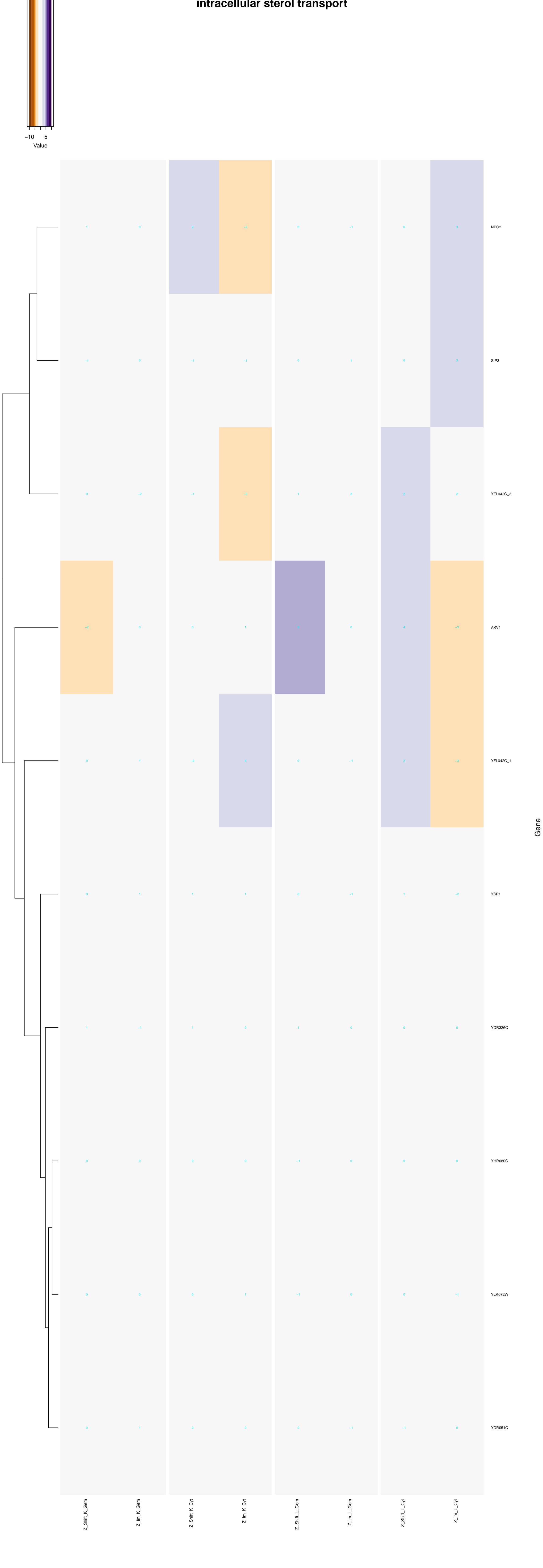
protein import into peroxisome matrix



Color Key



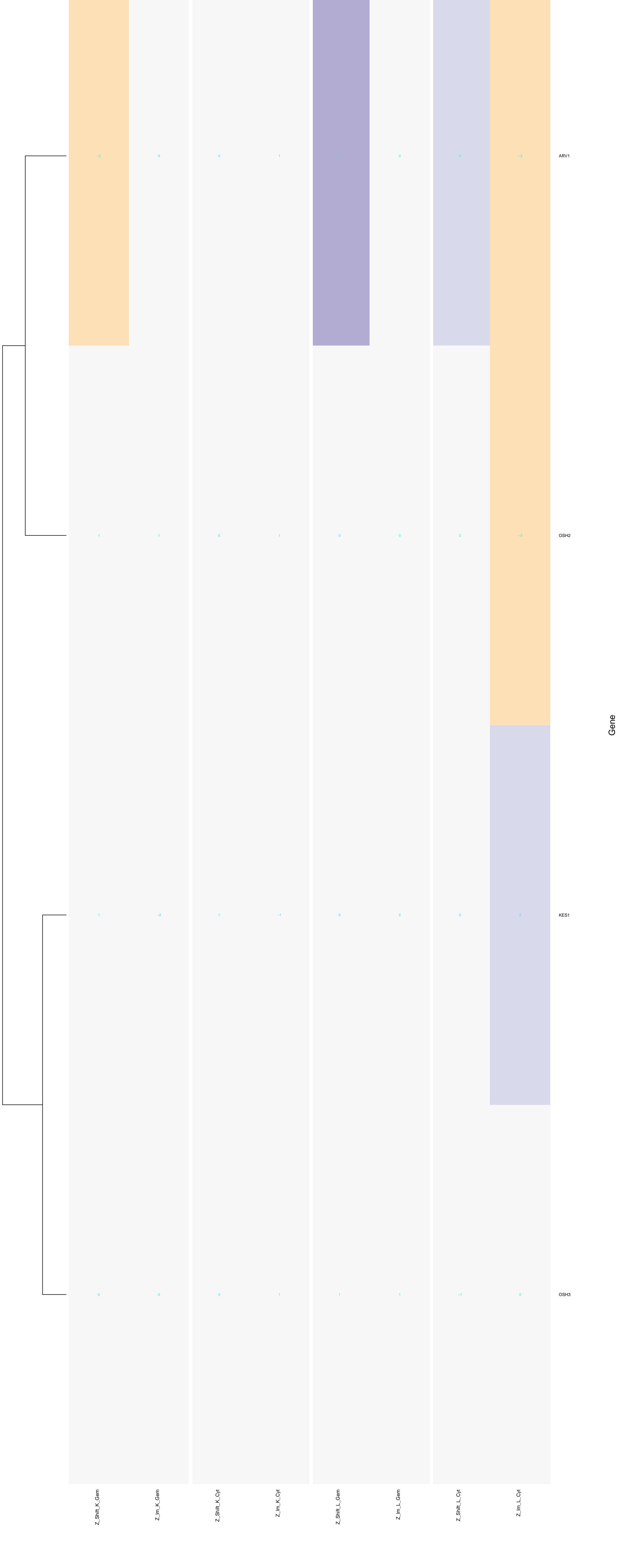
intracellular sterol transport

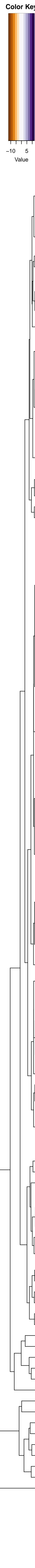


Color Key

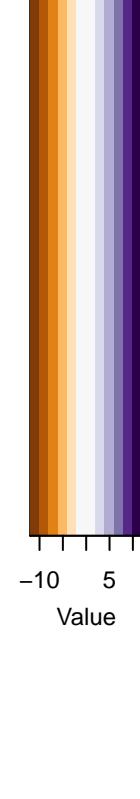


ER to Golgi ceramide transport

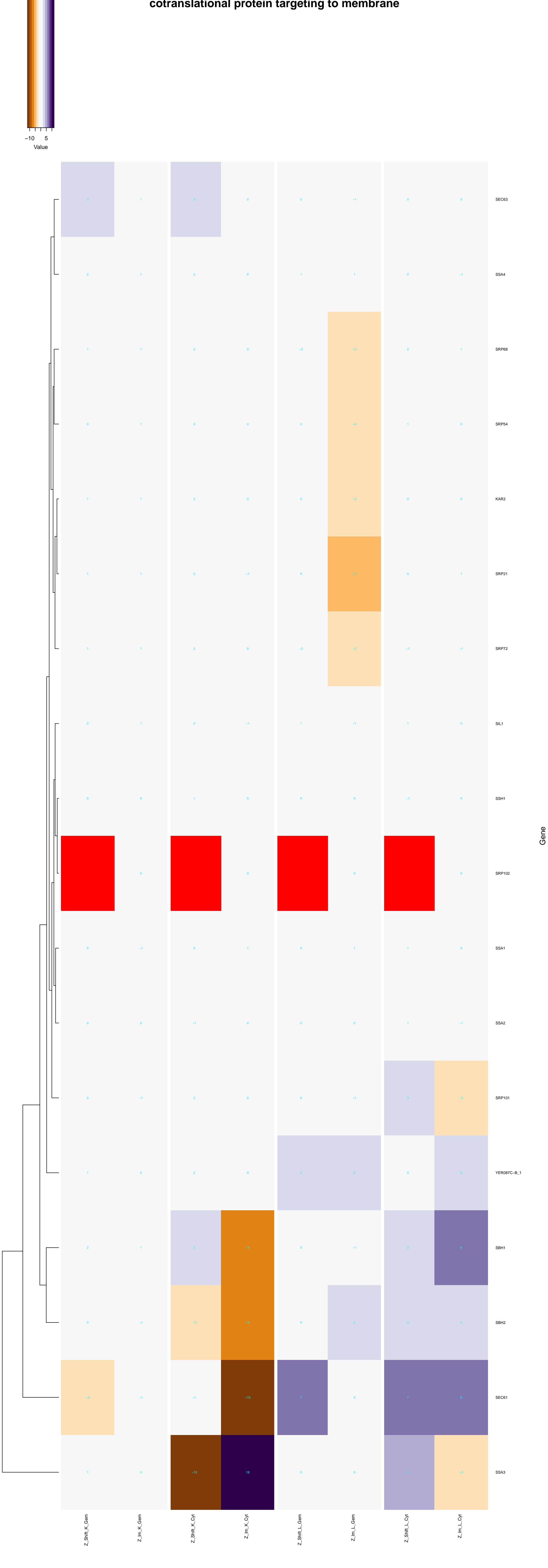




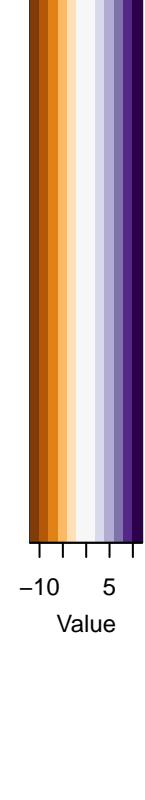
Color Key



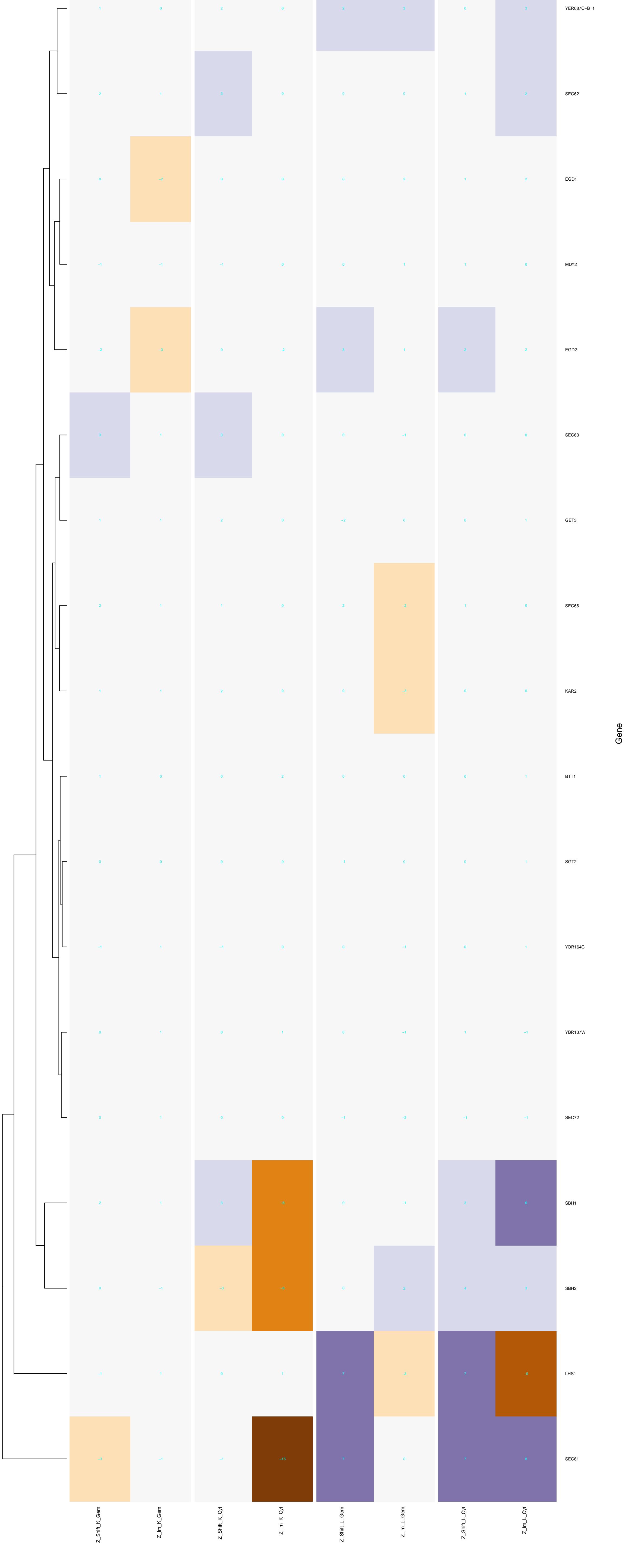
cotranslational protein targeting to membrane



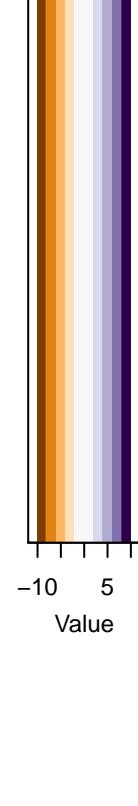
Color Key



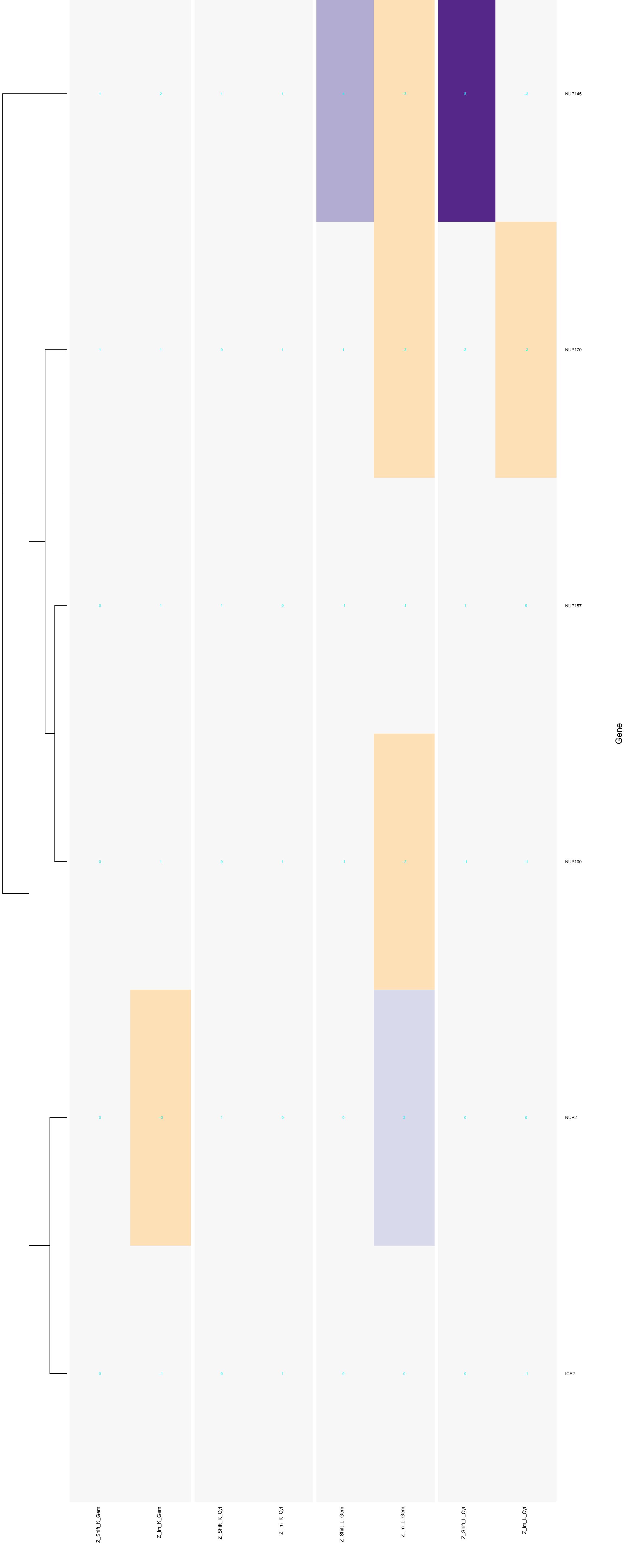
posttranslational protein targeting to membrane

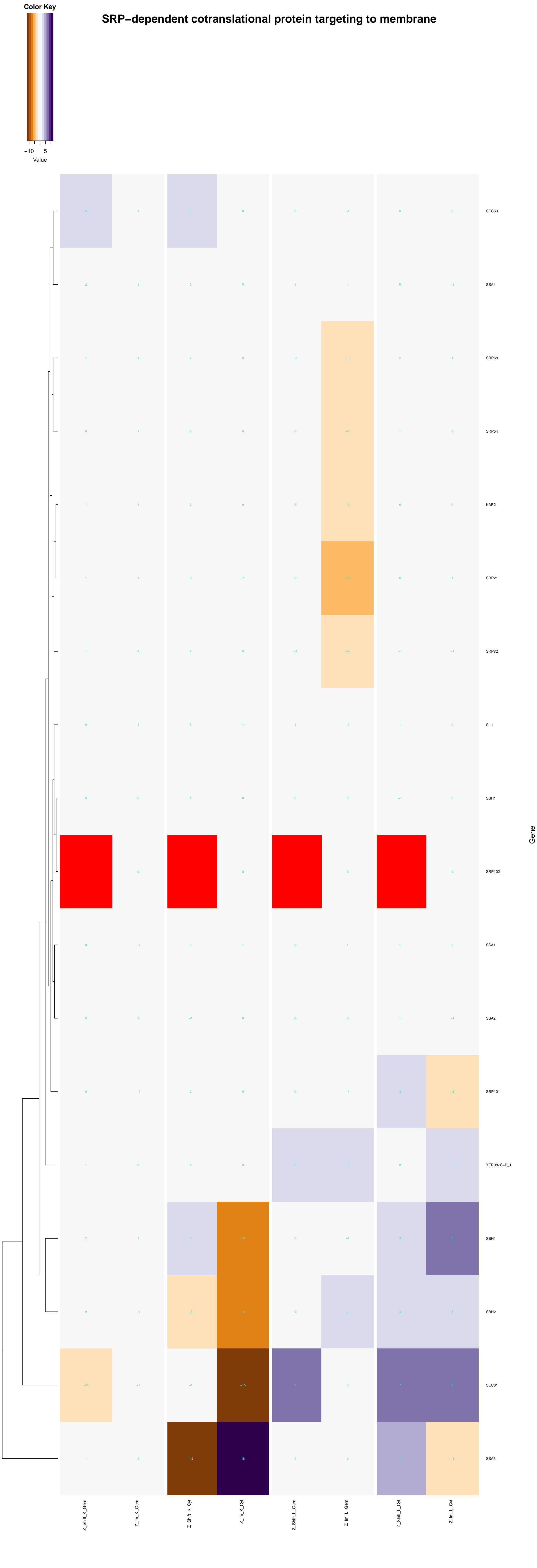


Color Key

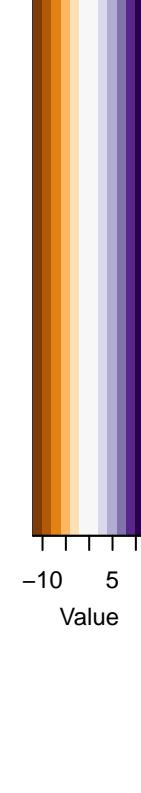


protein targeting to nuclear inner membrane

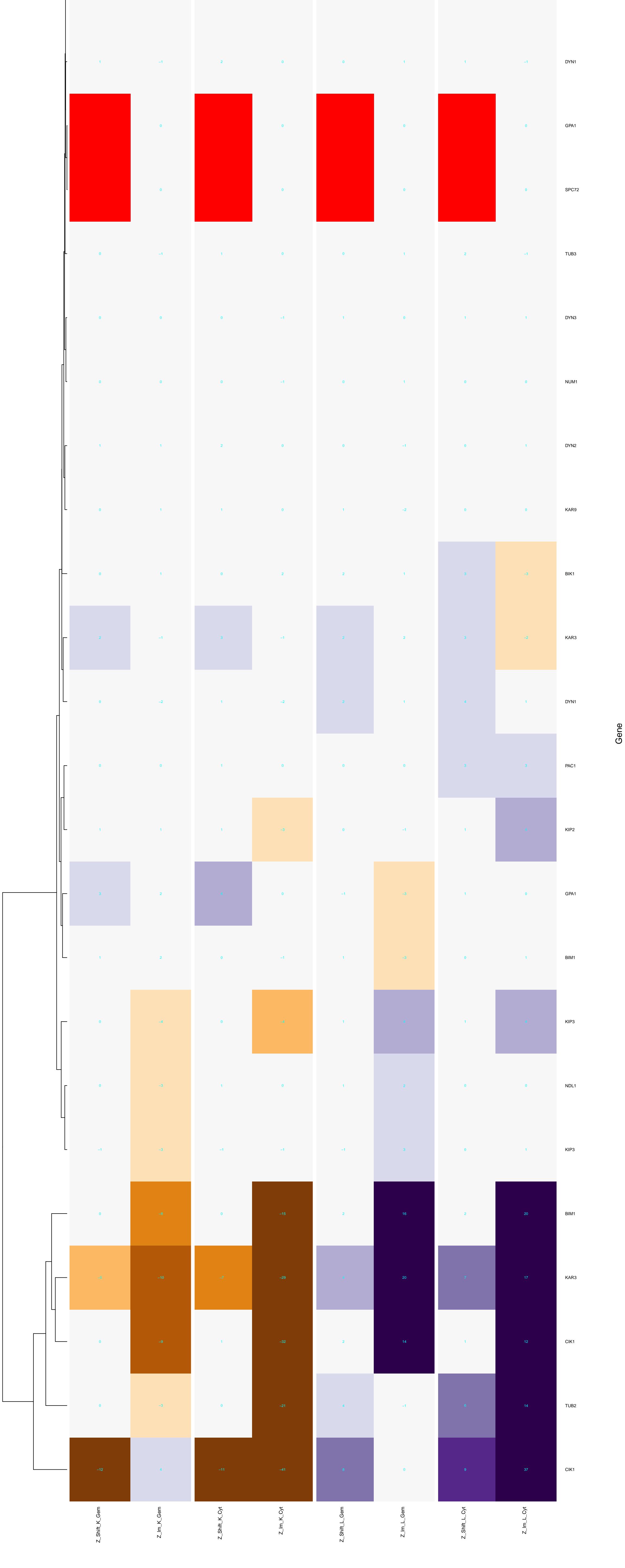




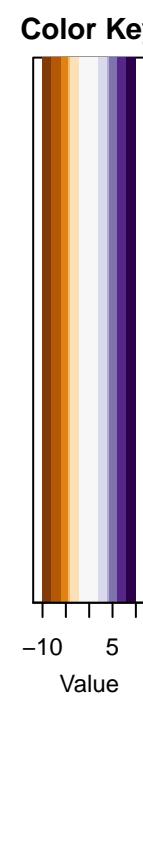
Color Key



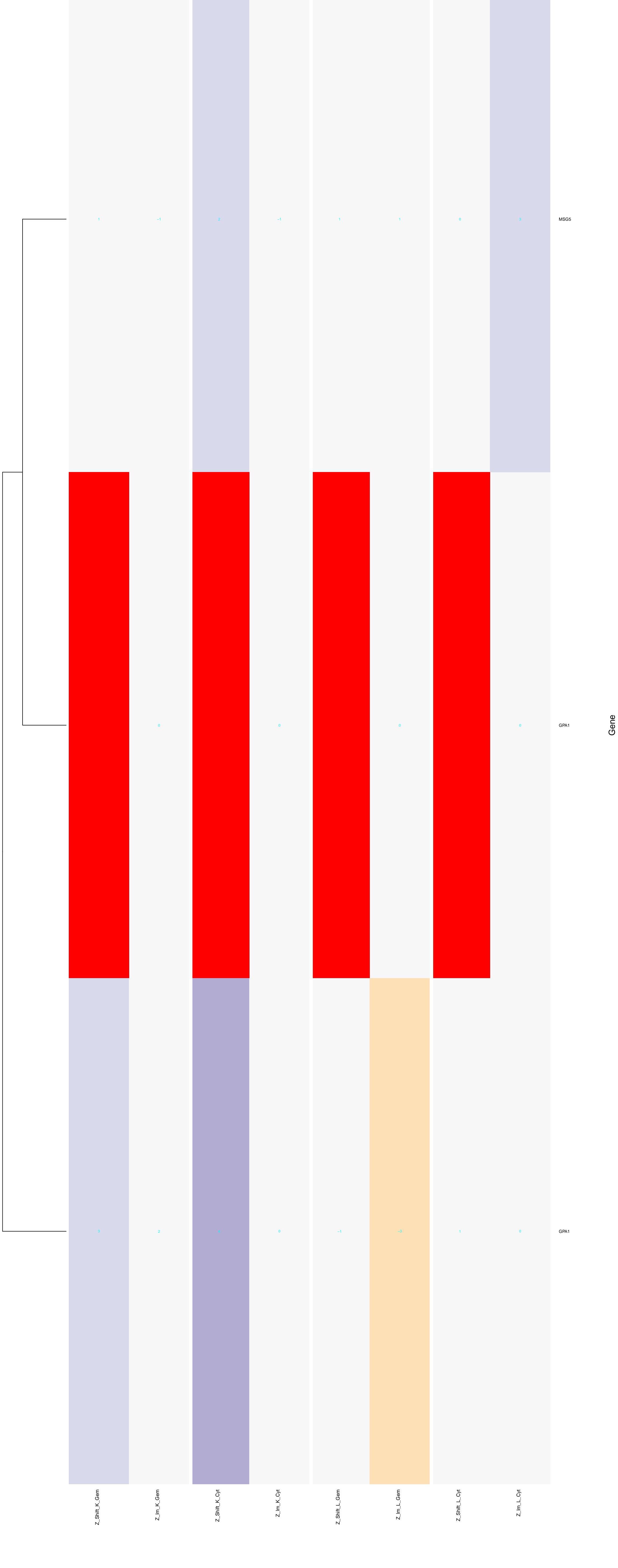
nuclear migration along microtubule



Color Key



MAPK export from nucleus





ribonucleoprotein complex export from nucleus

Gene

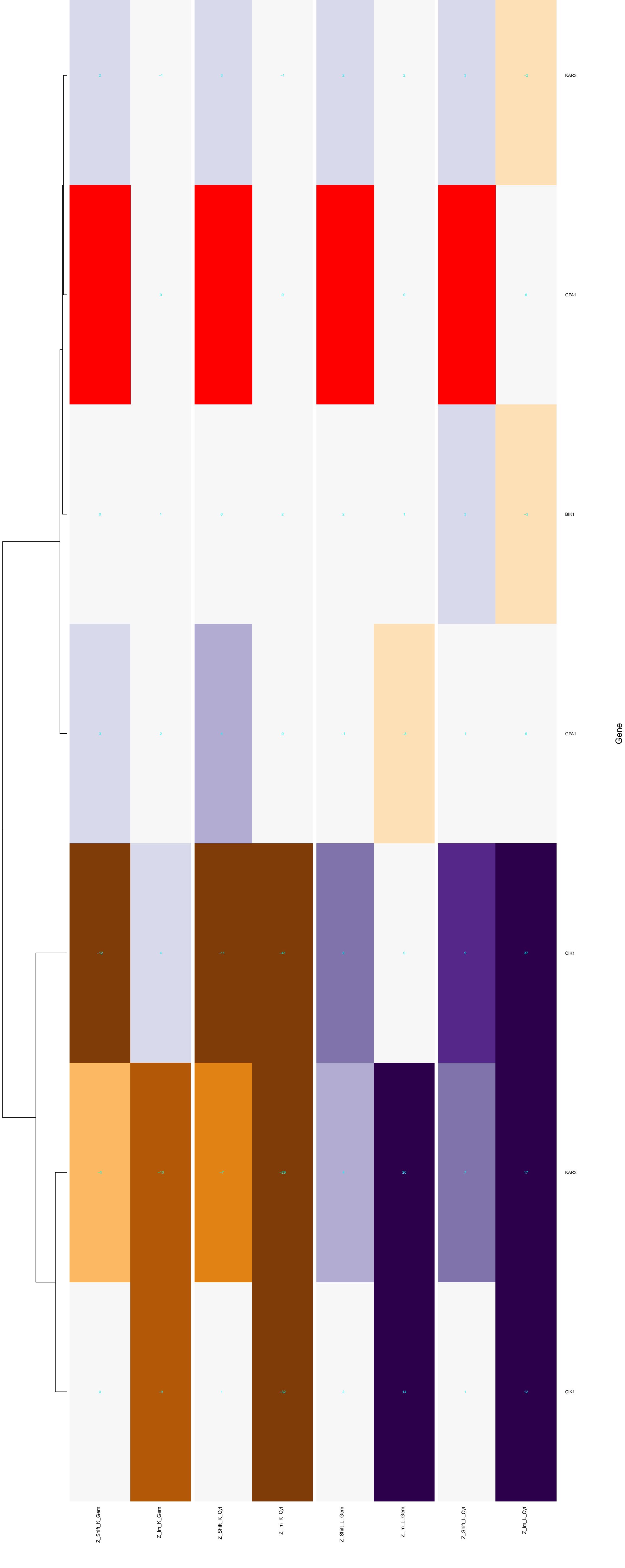
Z_Shift_K_Gem Z_In_K_Gem Z_Shift_K_Cyt Z_In_K_Cyt Z_Shift_L_Gem Z_In_L_Gem Z_Shift_L_Cyt Z_In_L_Cyt

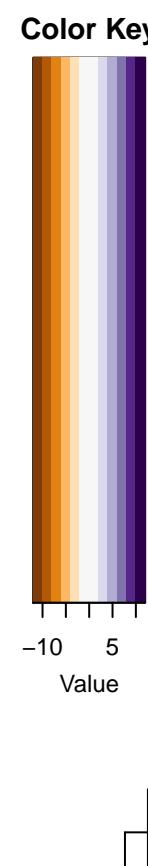
CSL4 NIC96 RIX7 NOG2 NMD3 NUP1 DIS3 NUP159 RPS19A LSG1 NOP53 RIX1 ARB1 RLI1 EBS1 RPL40A NUP2 SSB1 LOS1 MEX67 ADA1 YBR111W-A_1 NUG1 GBP2 THO1 SOL1 NEW1 RPS28A YRB2 ZDS1 SEM1 TEX1 PML1 RLR1 NUP42 MDM30 RPS26B DBP5 BCP1 MSN5 HPR1 RPS2 RPB4 RPB4 RNA1 YOR112W GSP2 GLE1 SSB2 MTR2 NUP82 MIP6 HMT1 MLP2 ECM1 SRM1 EST1 YAR1 SOL2 ASM4 YRA2 MLP1 SXM1 HRB1 CSN12 NUP100 GFD1 PSE1 NOG1 SPT6 NOP9 UTP22 RSP5 MTR4 BRL1 ENP1 RRP43 SAC3 BUD13 SLX9 THP2 YRA1 RPL40B MFT1 NUP145 NUP188 RPS0A RPS18B ARX1 RPS10B NUP60 IST3 RPS18A RPS28B RPS10A RPS08 NUP84 JJJ1 TIF6 STO1 NUP120 ZUO1 SGF73 SUS1 APQ12 RRS1 BUD23 THP1 NPL3 SPN1 LTV1 NUP133 RPS19B NUP116 BUD20

Color Key

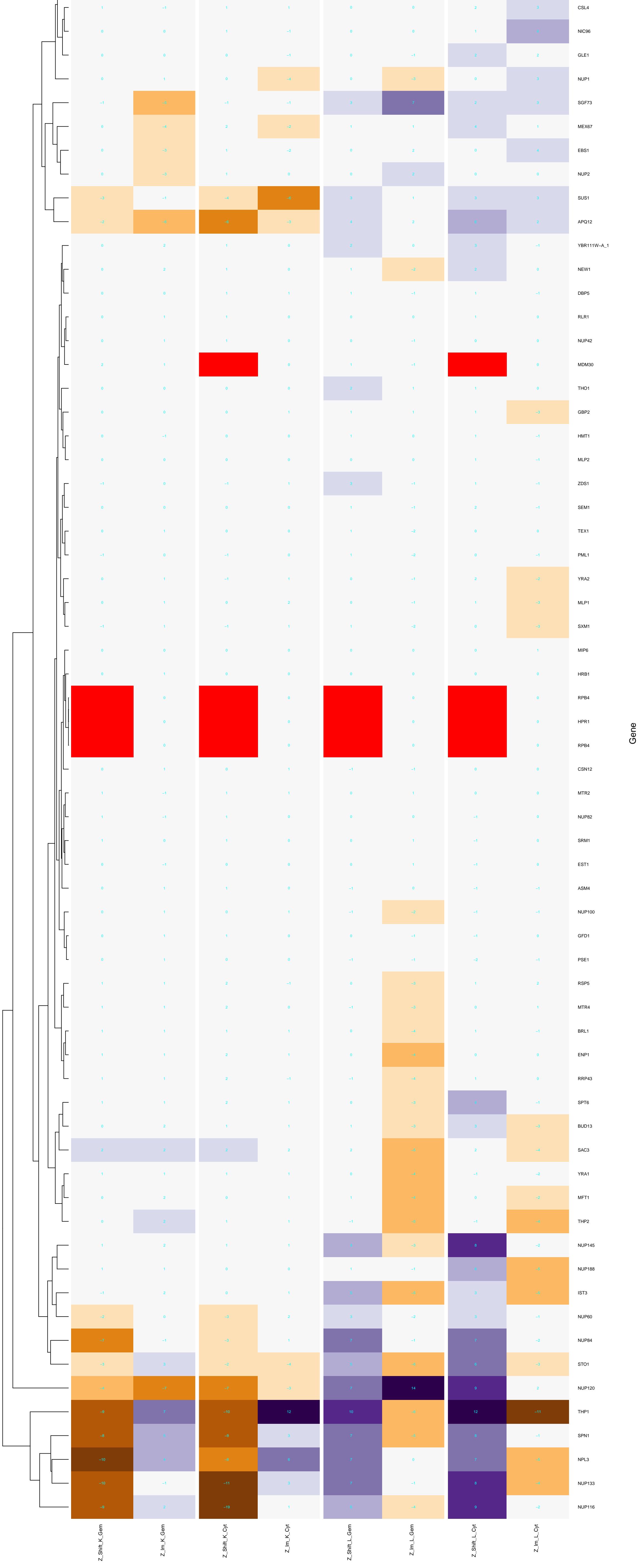


nuclear migration involved in conjugation with cellular fusion

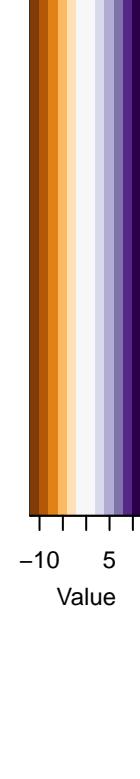




mRNA-containing ribonucleoprotein complex export from nucleus



Color Key



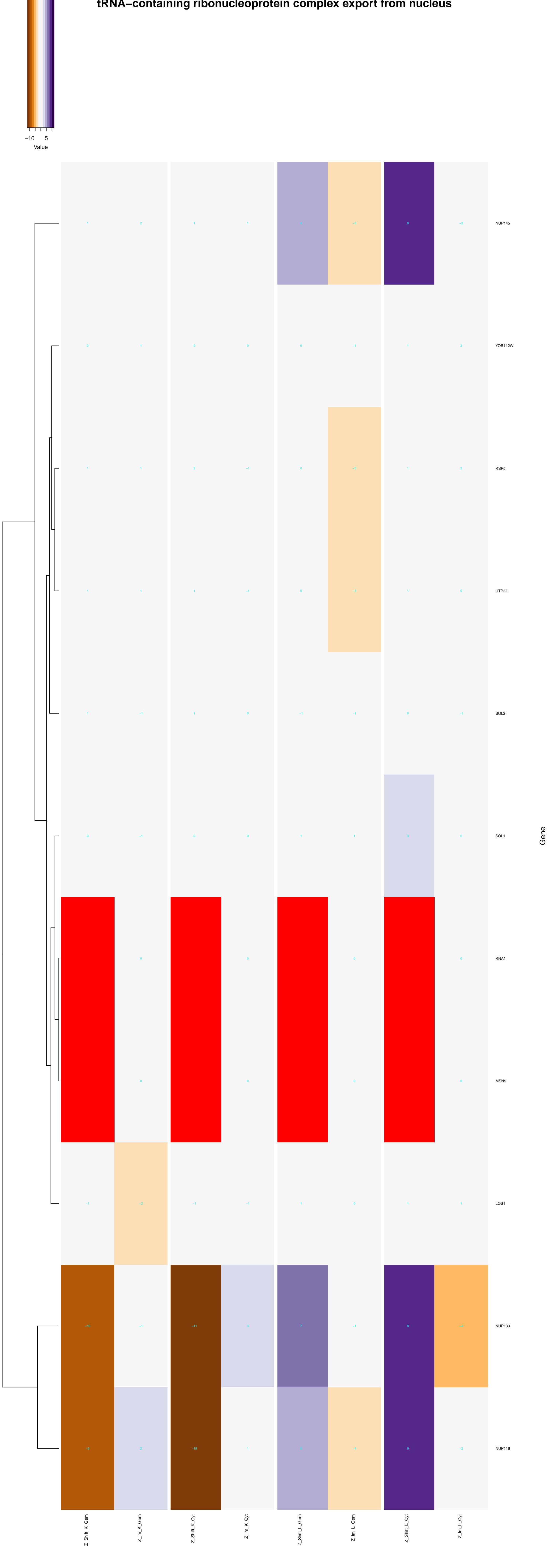
rRNA-containing ribonucleoprotein complex export from nucleus

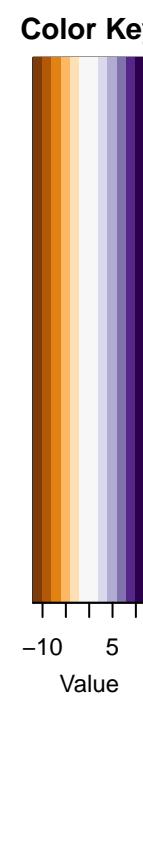


Color Key

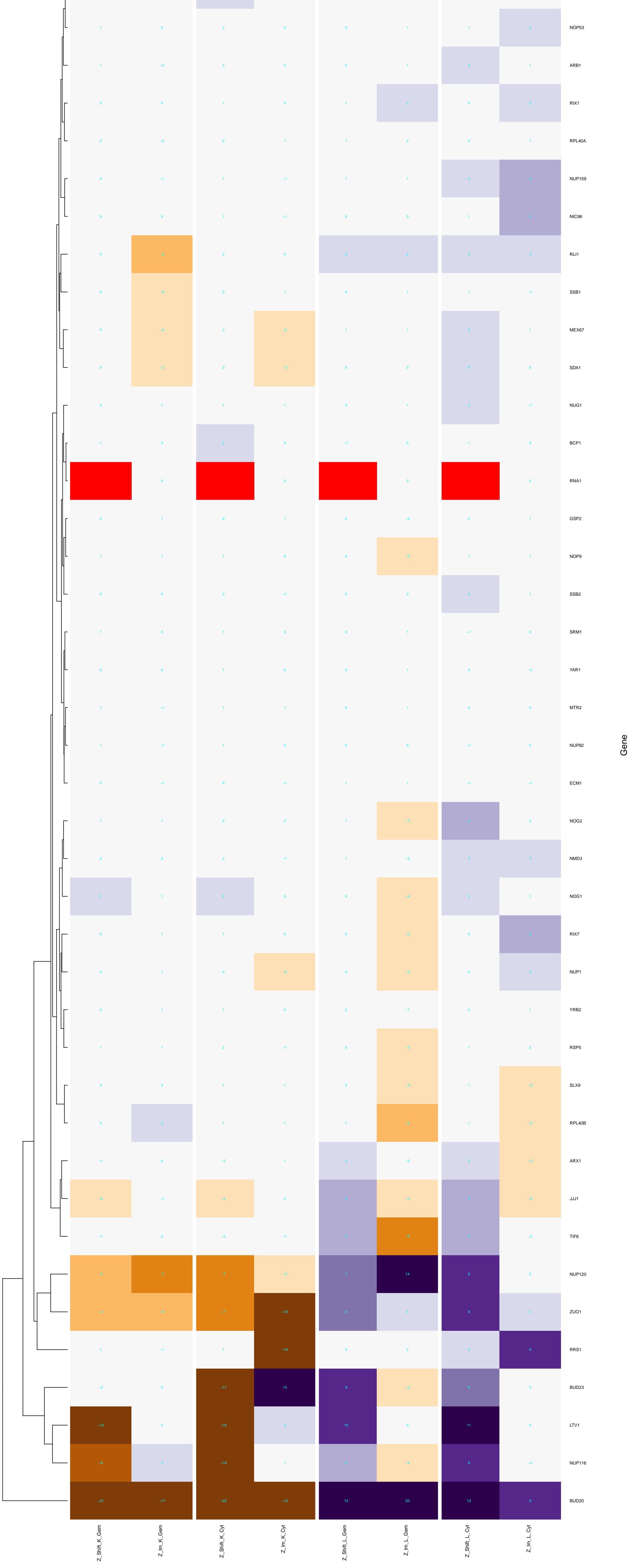


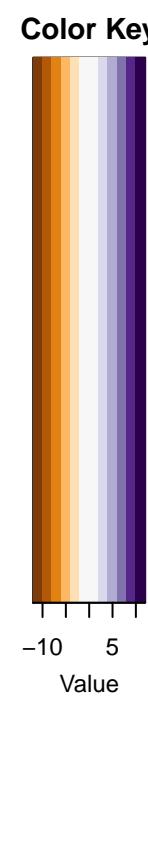
tRNA-containing ribonucleoprotein complex export from nucleus



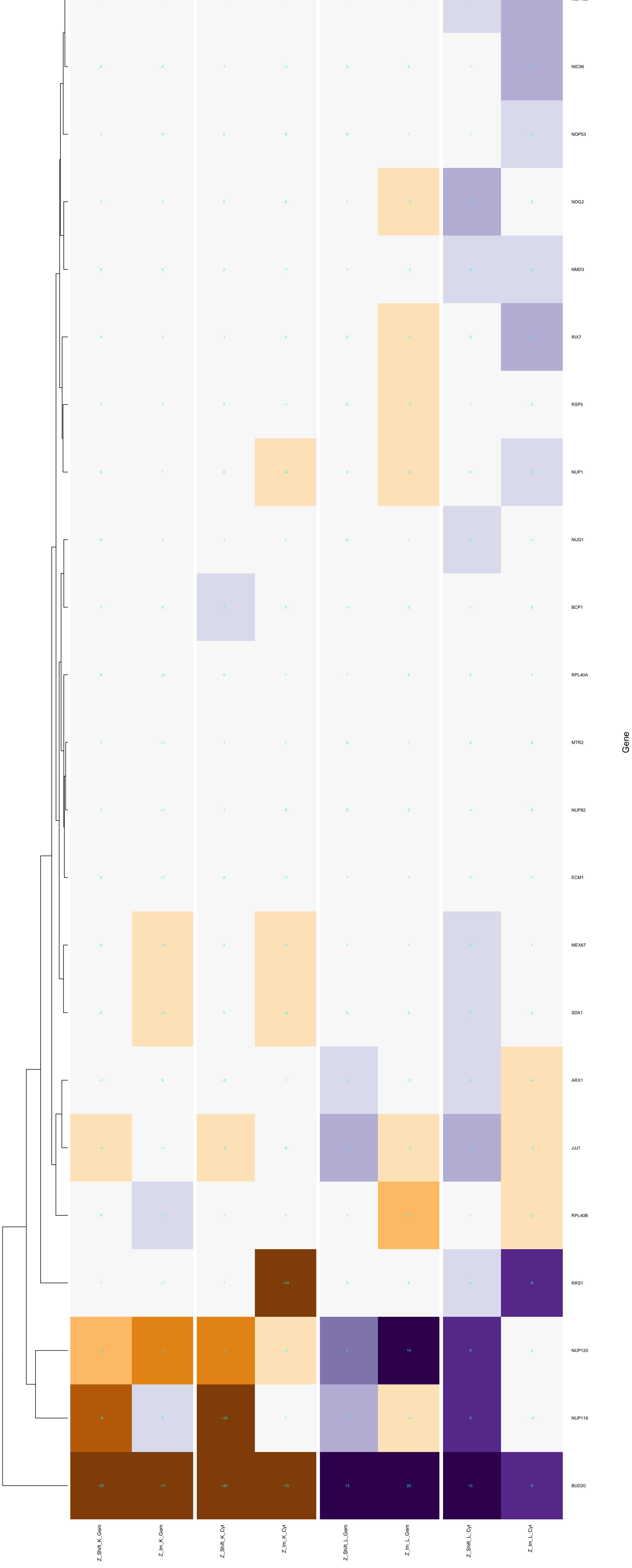


ribosomal subunit export from nucleus





ribosomal large subunit export from nucleus



Color Key



ribosomal small subunit export from nucleus

