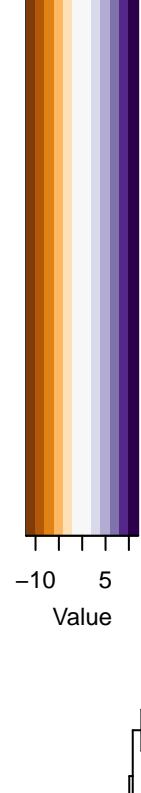
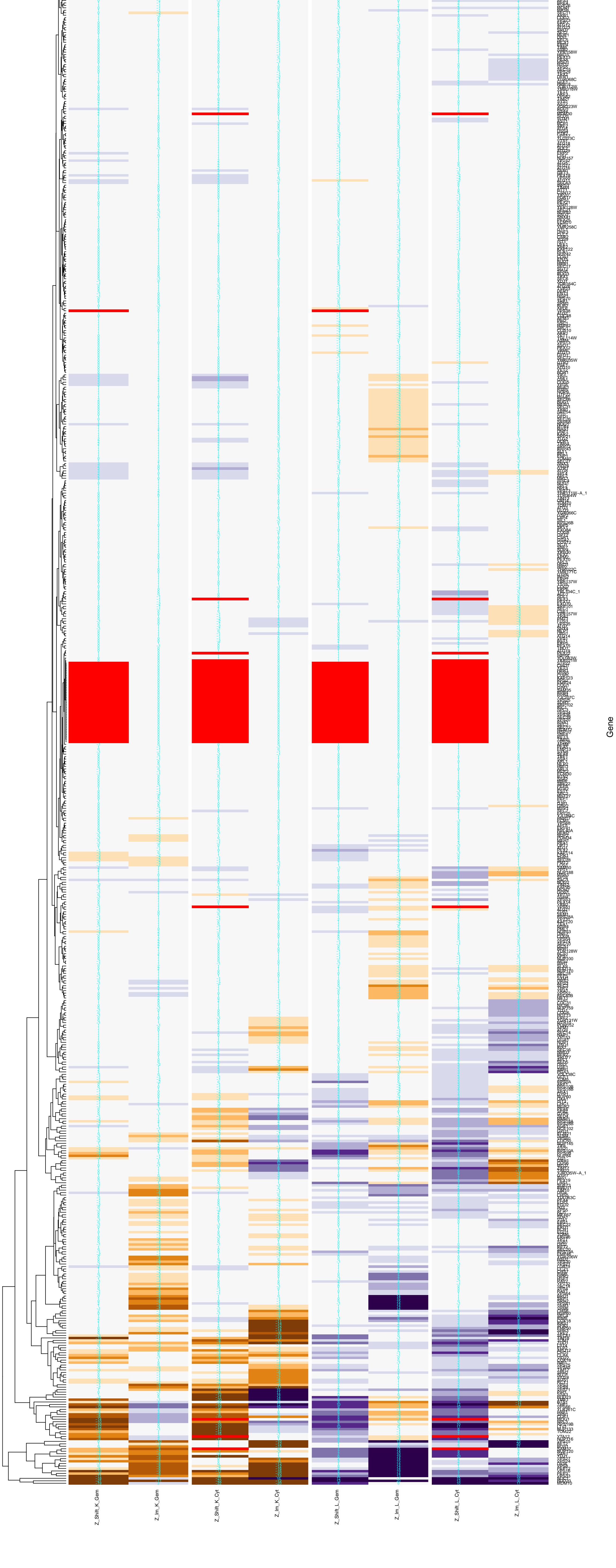
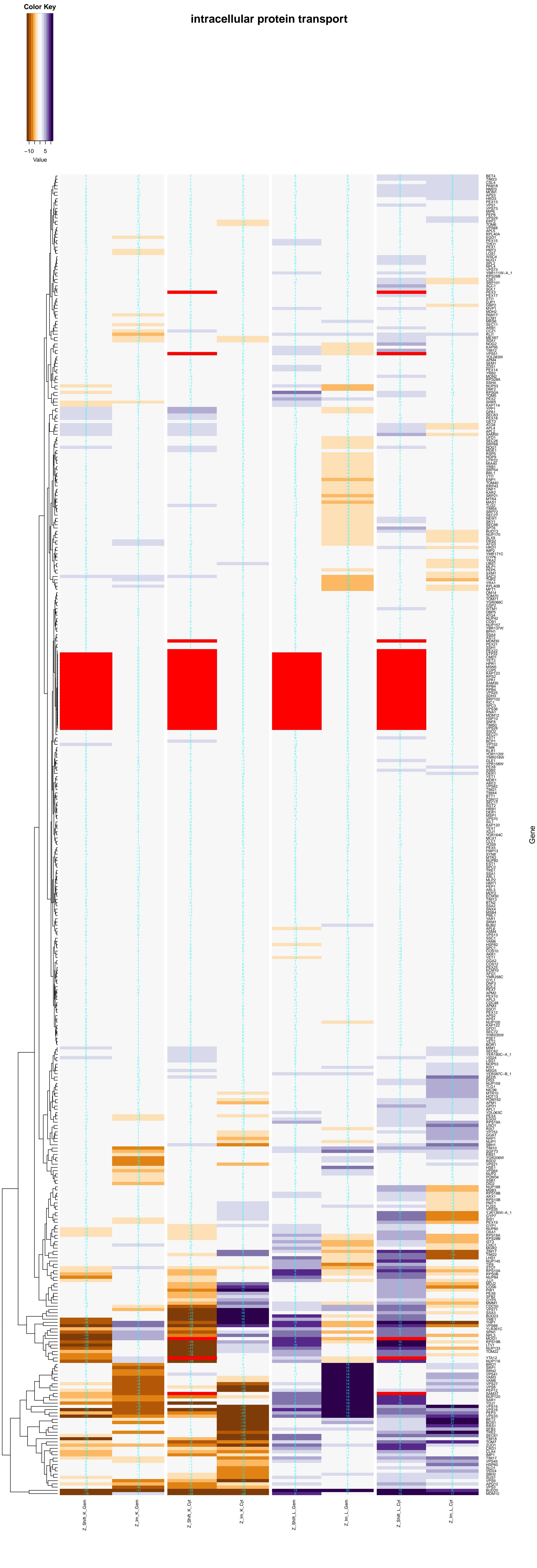


Color Key



protein transport

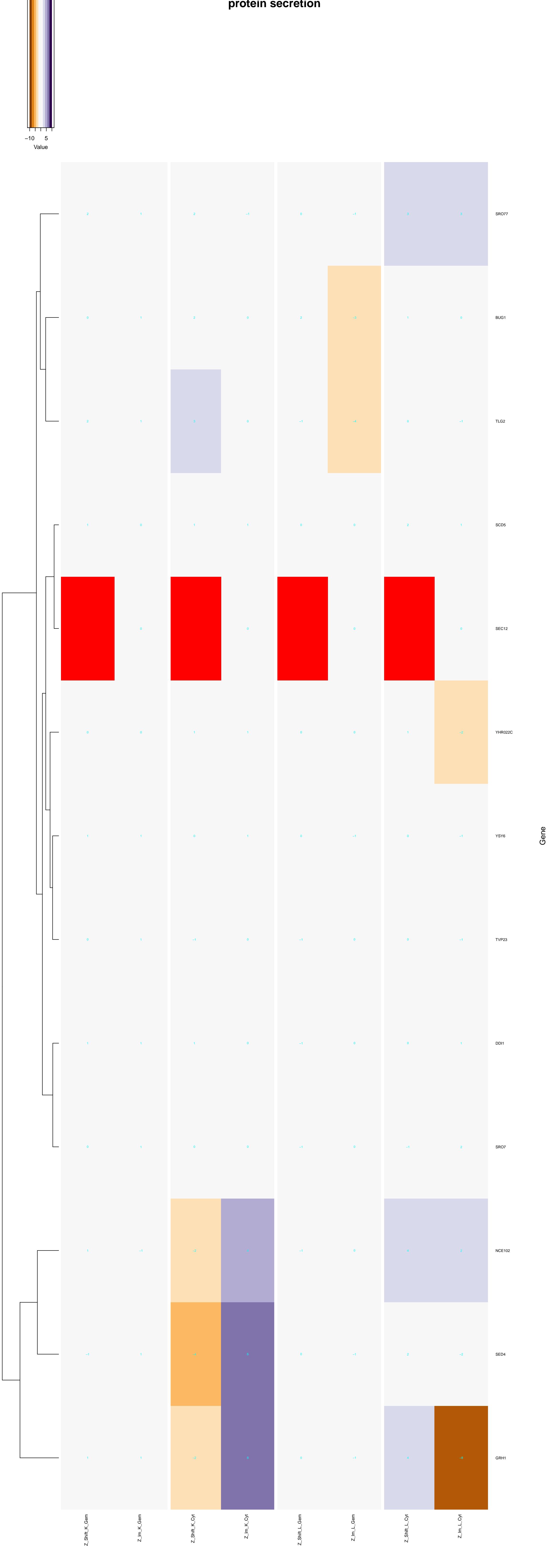


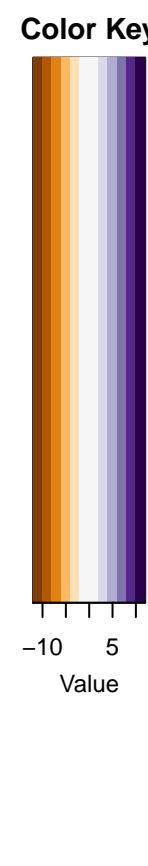


## Color Key

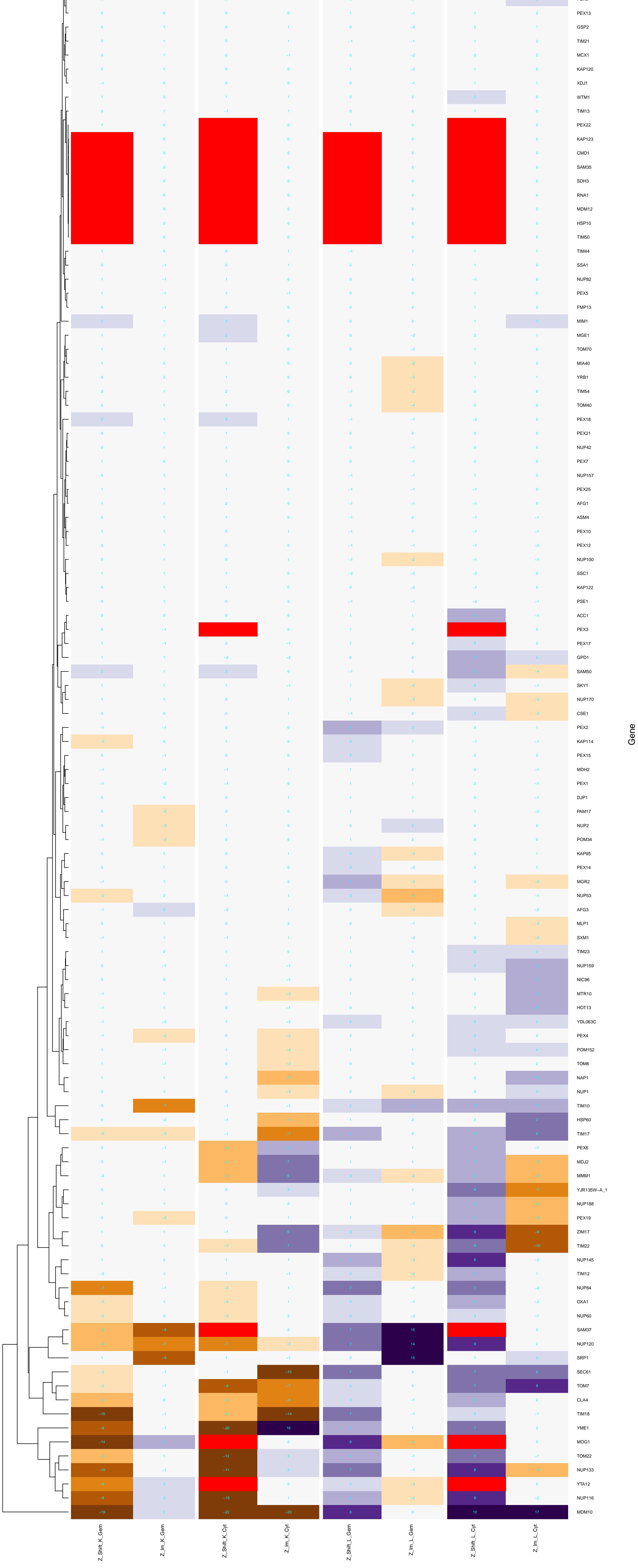


## protein secretion

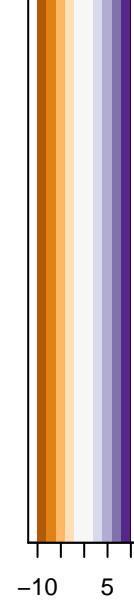




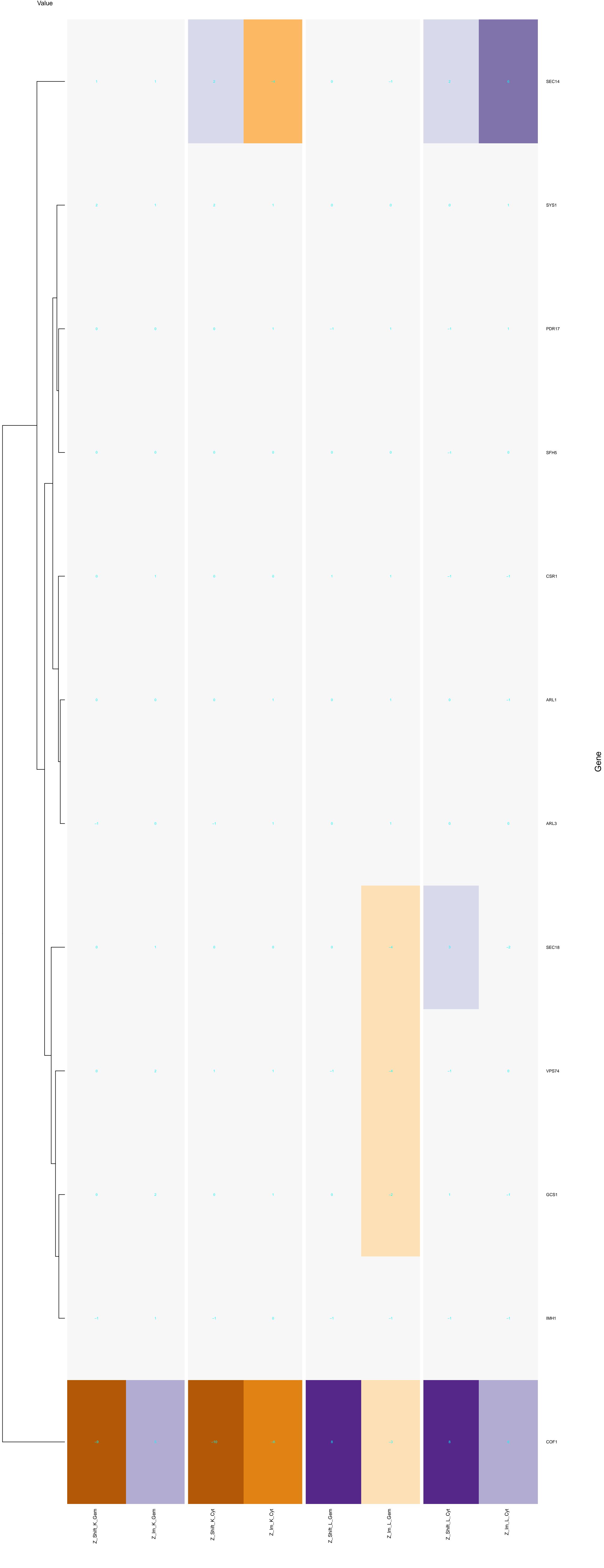
# protein import



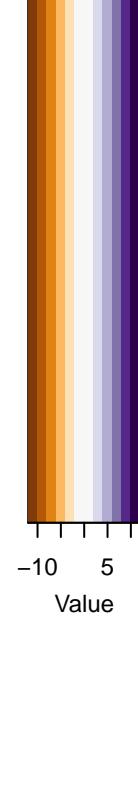
Color Key



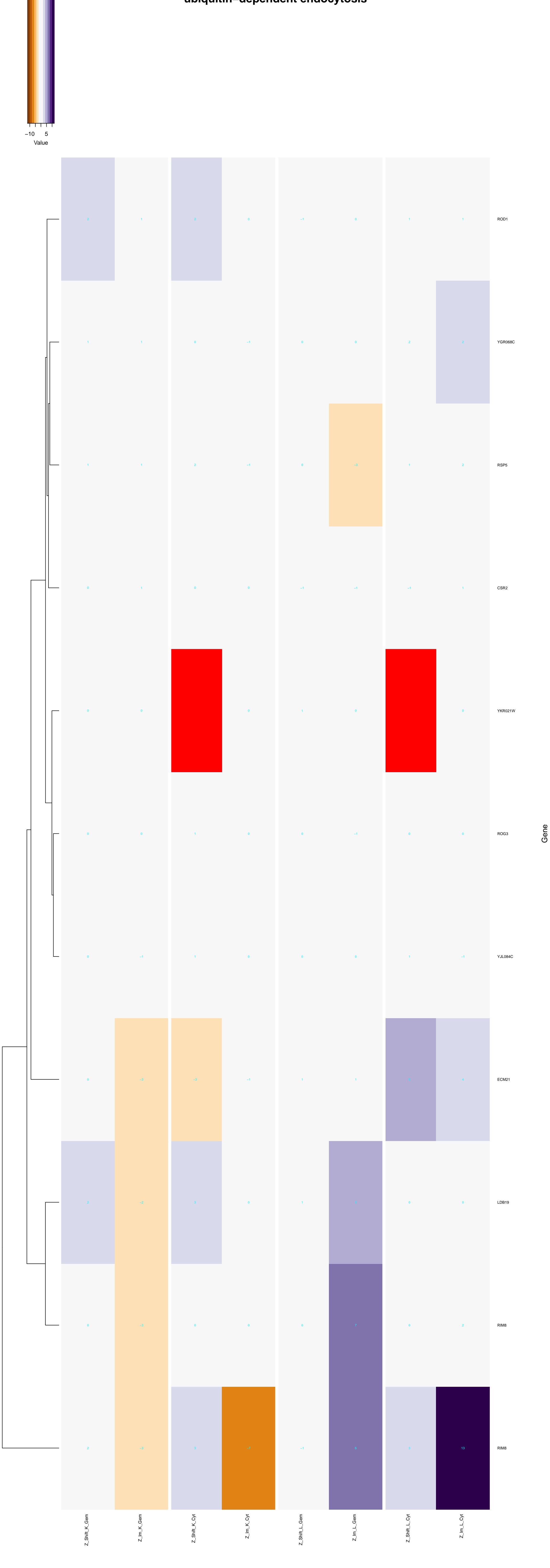
## Golgi to plasma membrane protein transport

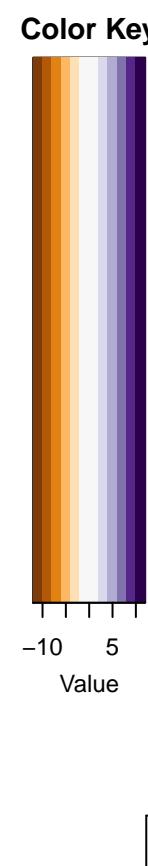


Color Key



## ubiquitin-dependent endocytosis

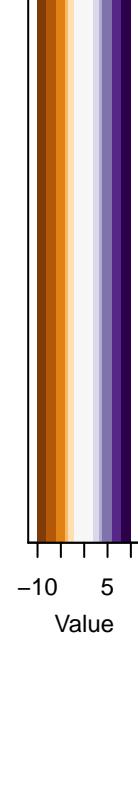




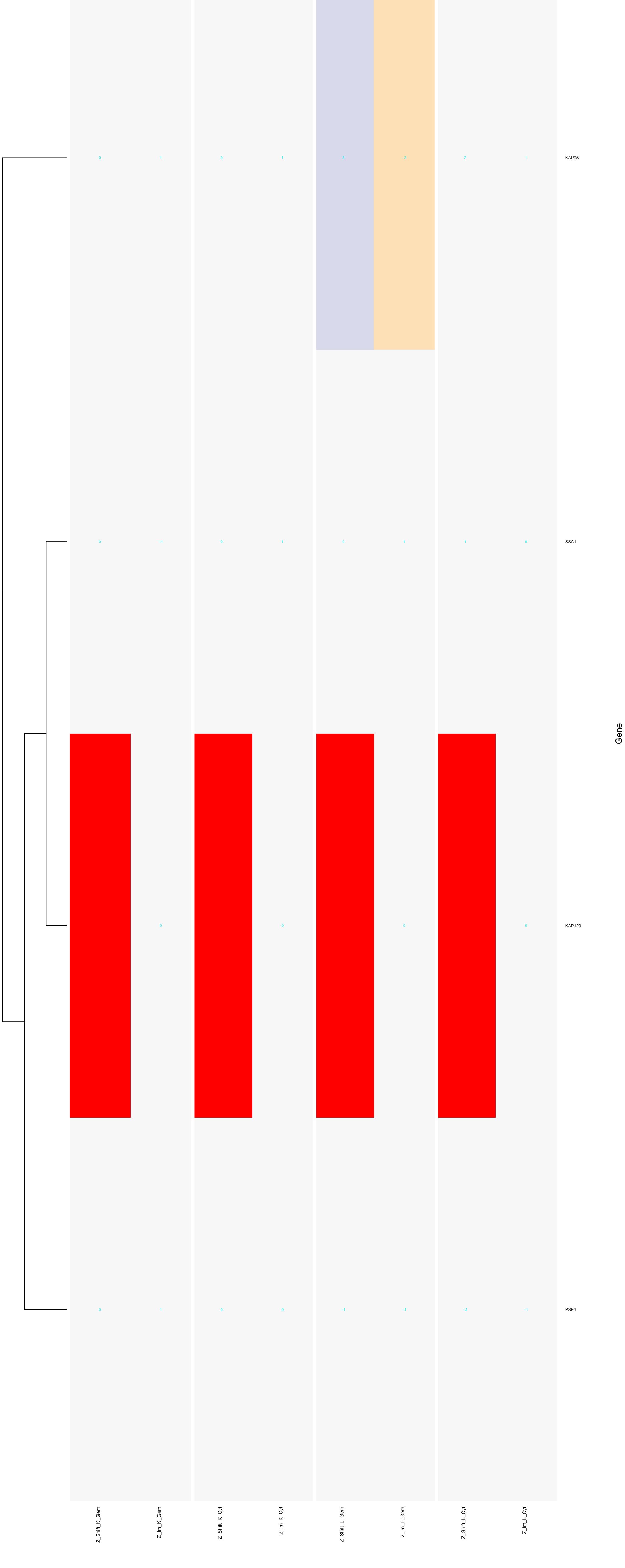
# protein transmembrane transport

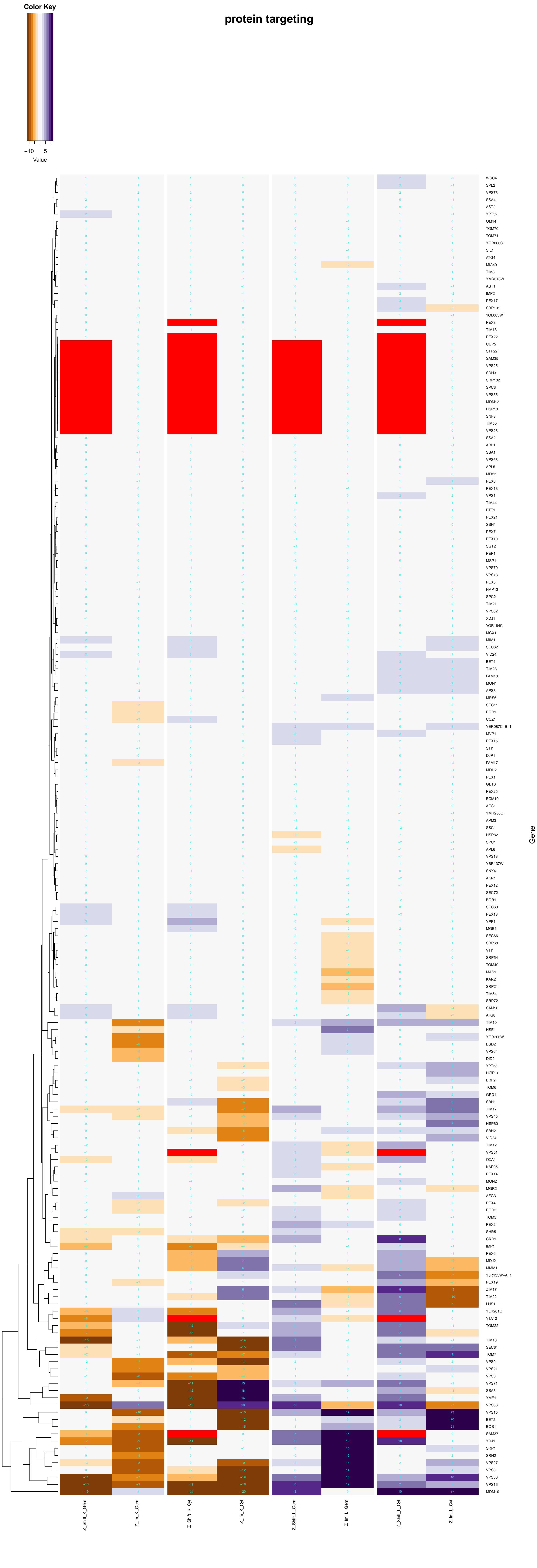


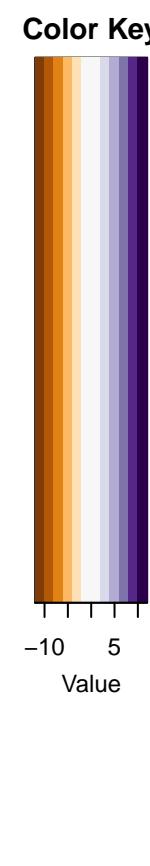
Color Key



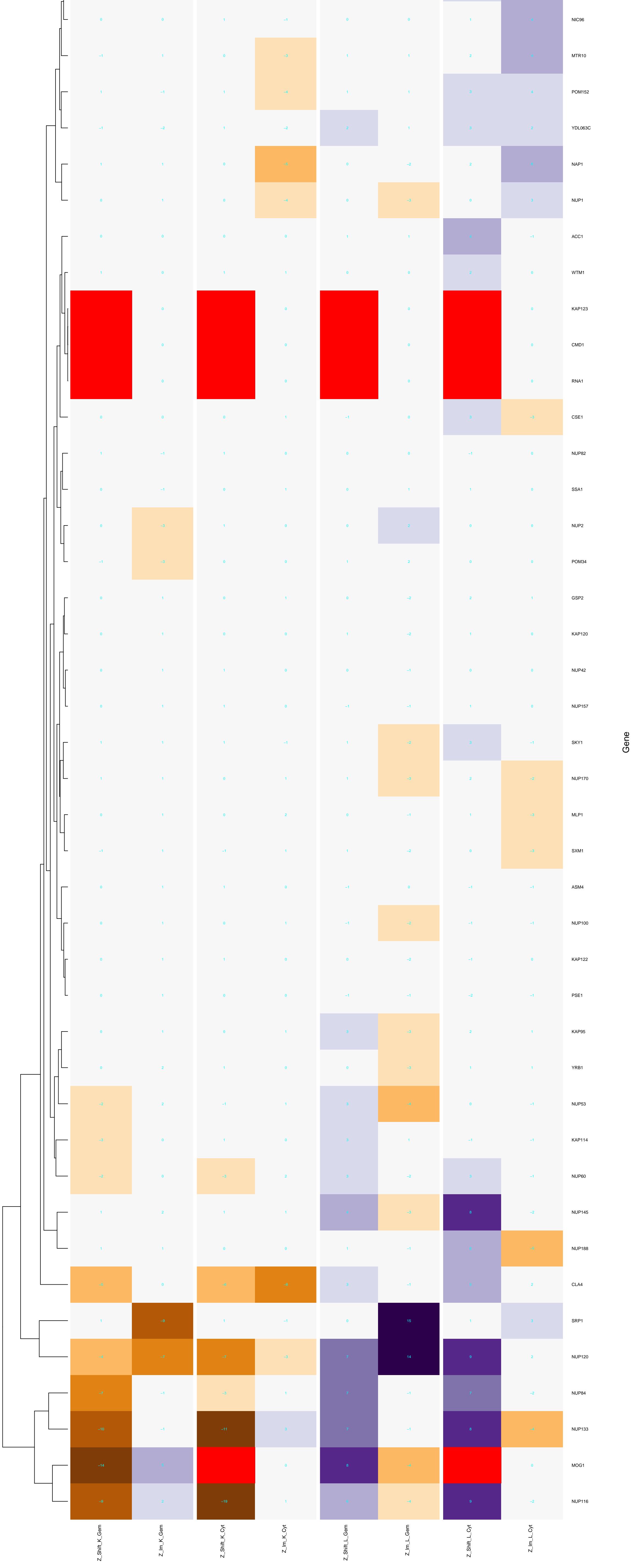
## protein import into nucleus, translocation



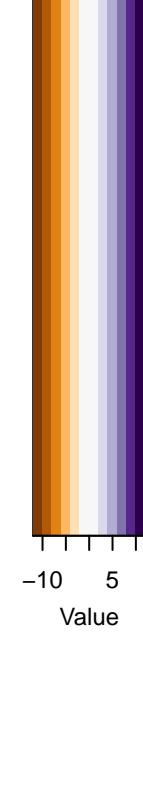




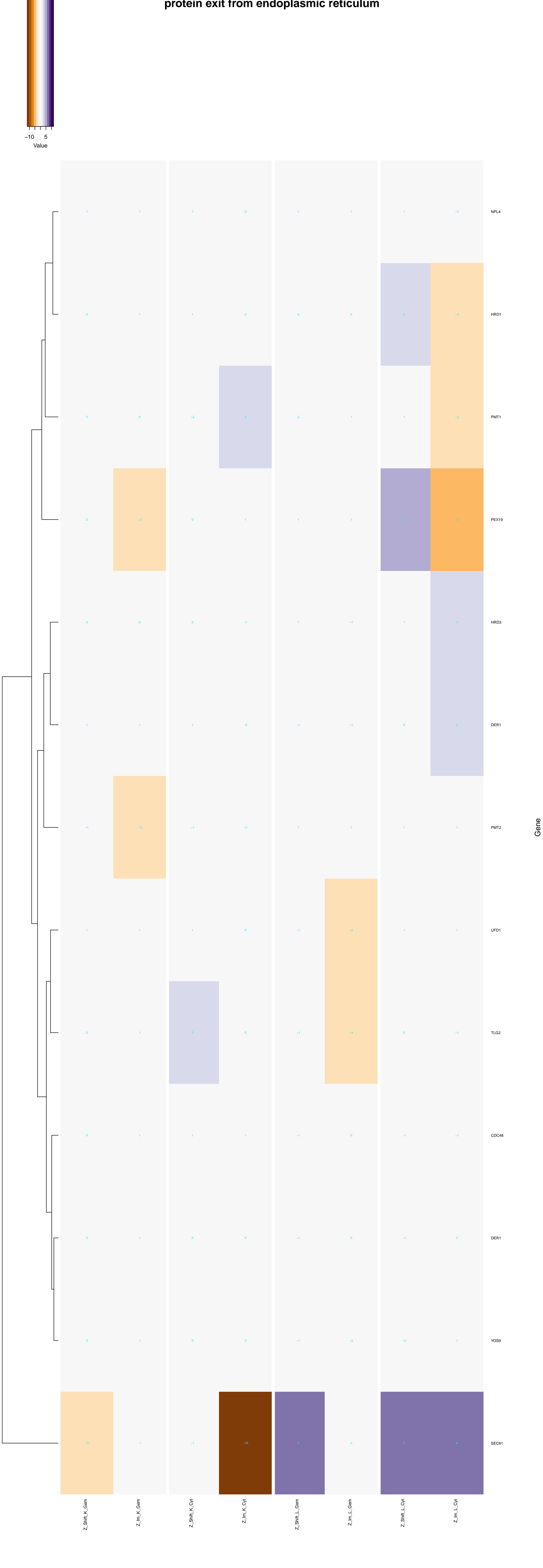
# protein import into nucleus

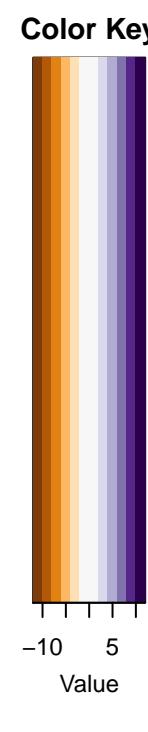


Color Key

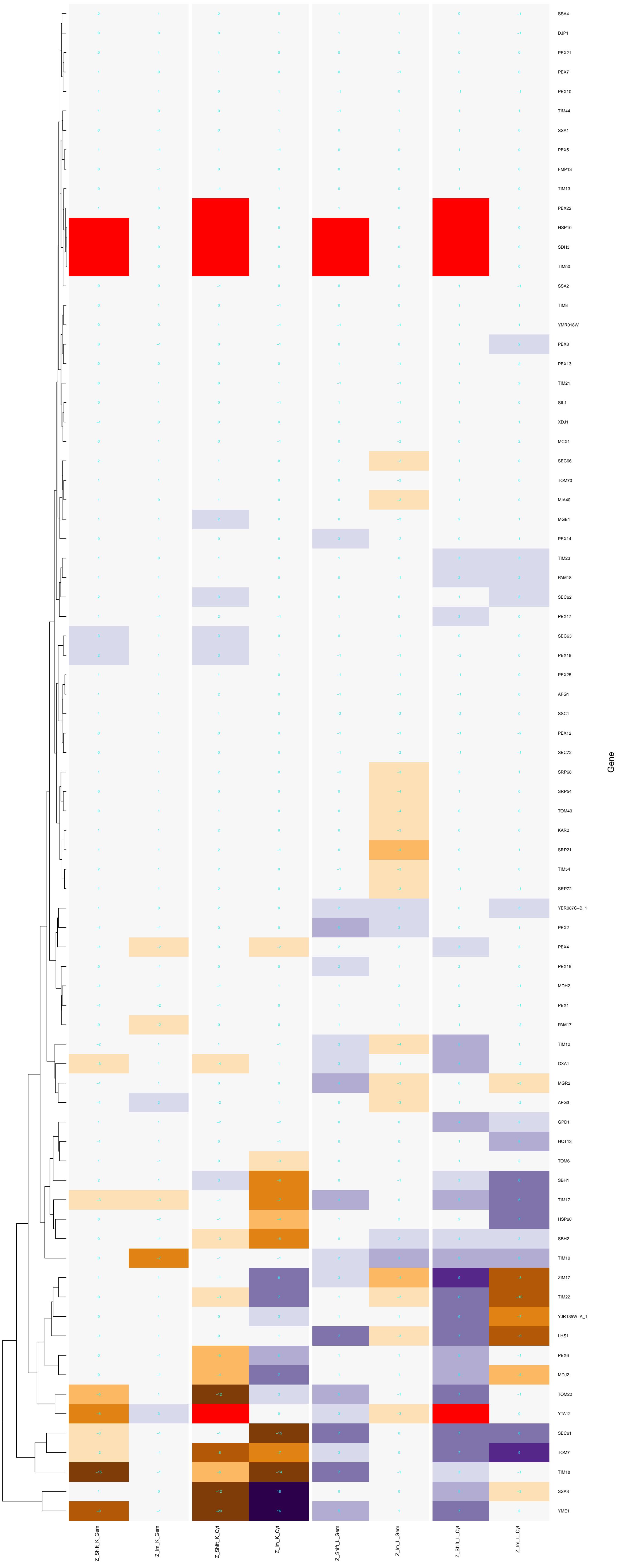


## protein exit from endoplasmic reticulum

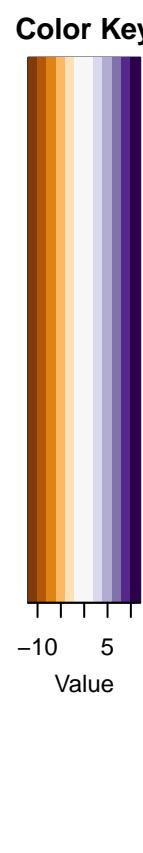




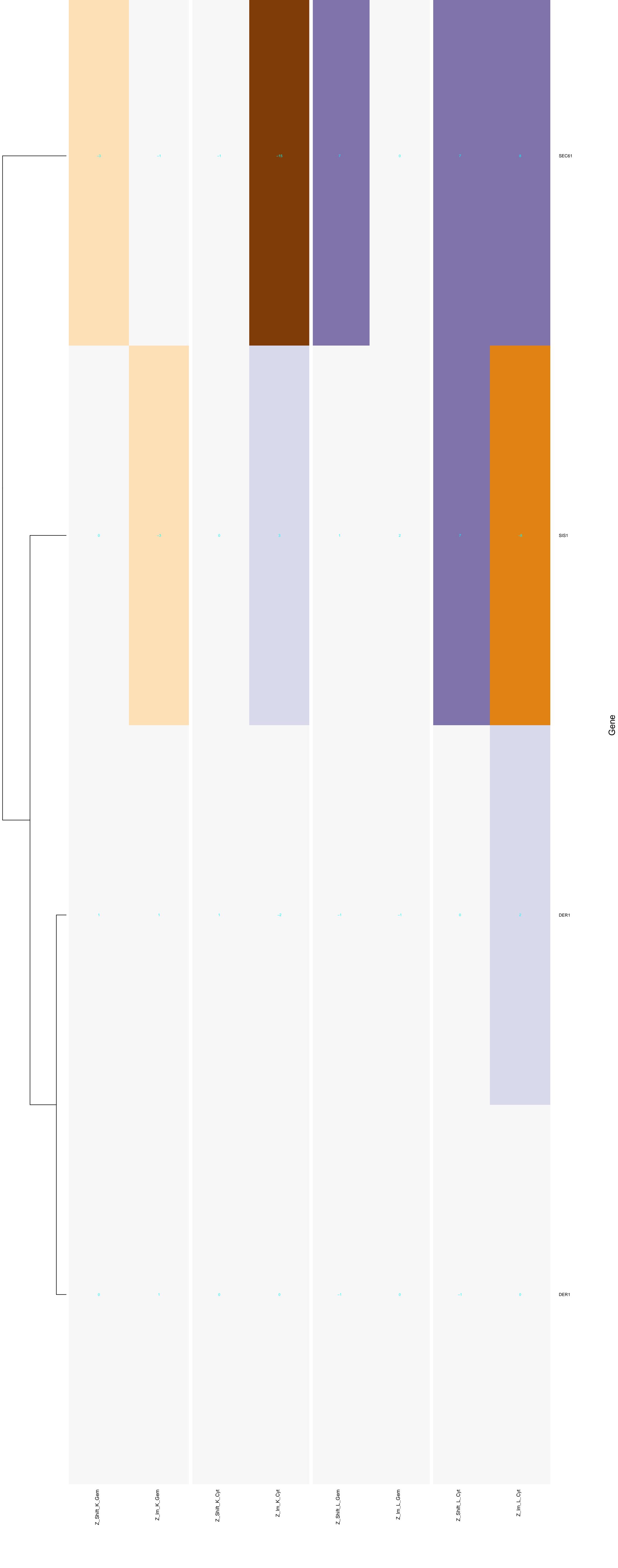
## intracellular protein transmembrane transport

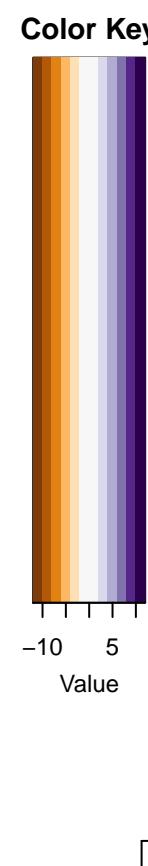


Color Key

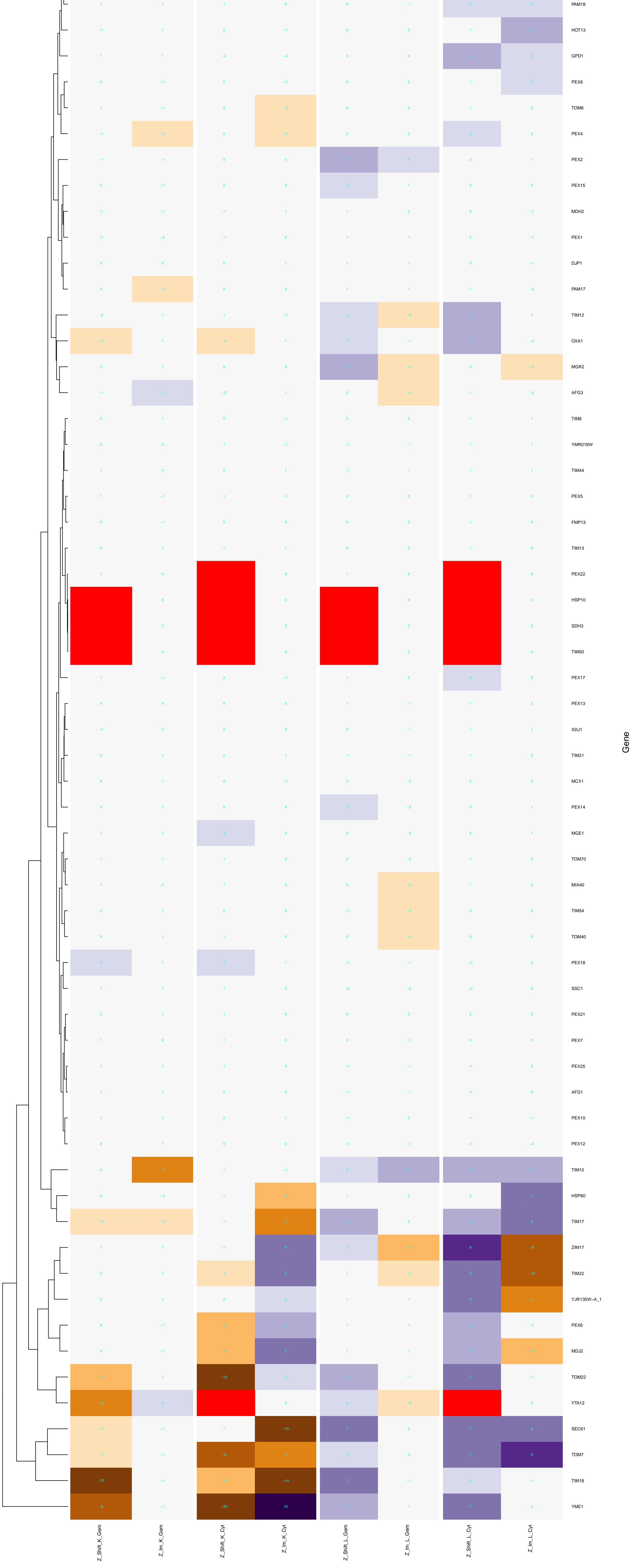


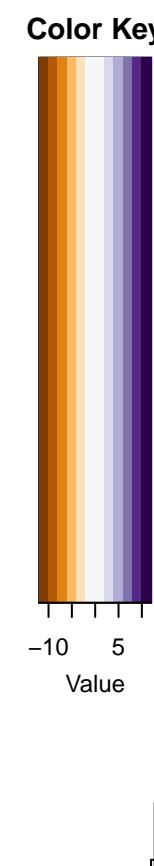
## misfolded protein transport



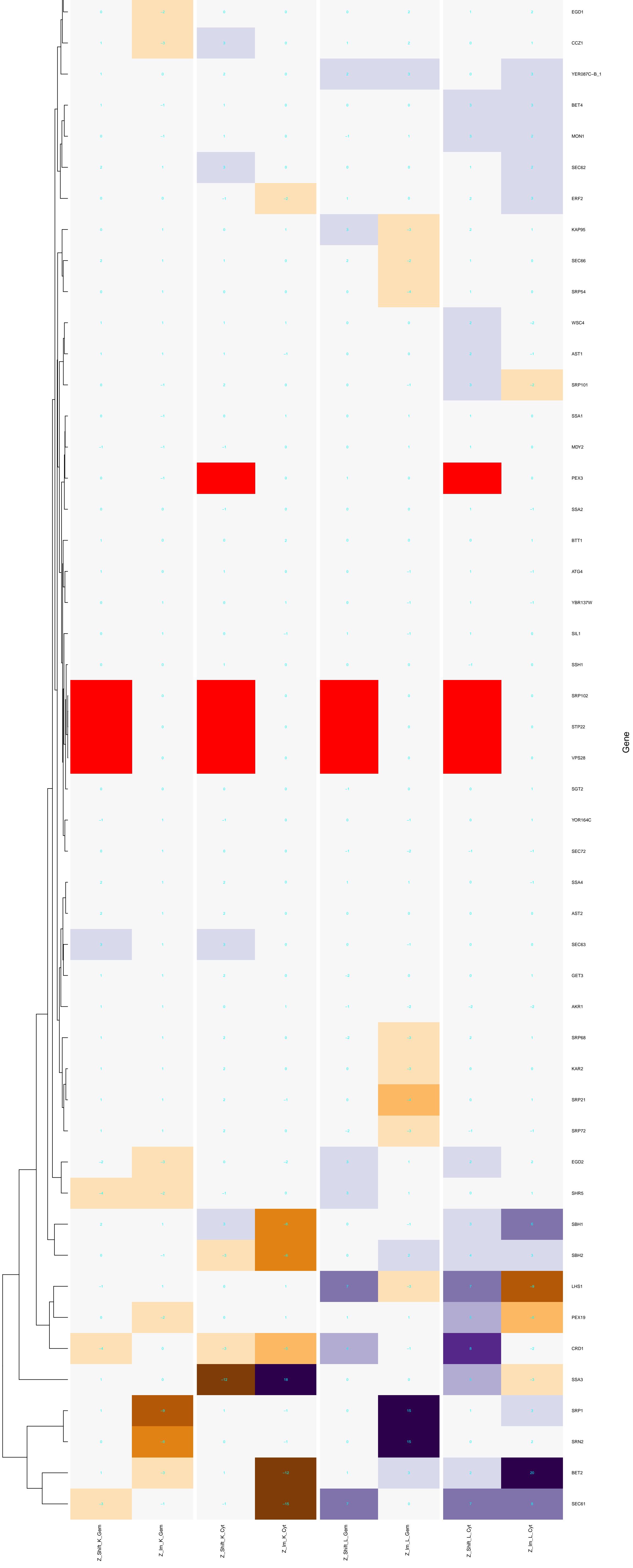


## intracellular protein transmembrane import



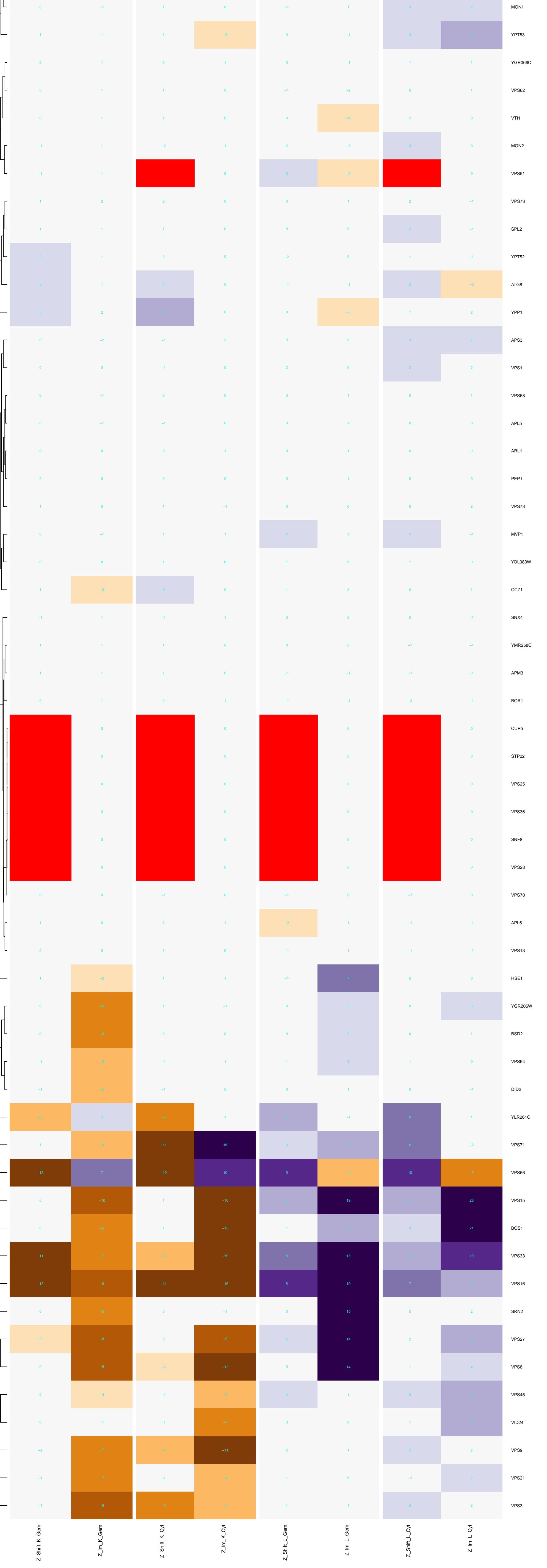


## protein targeting to membrane

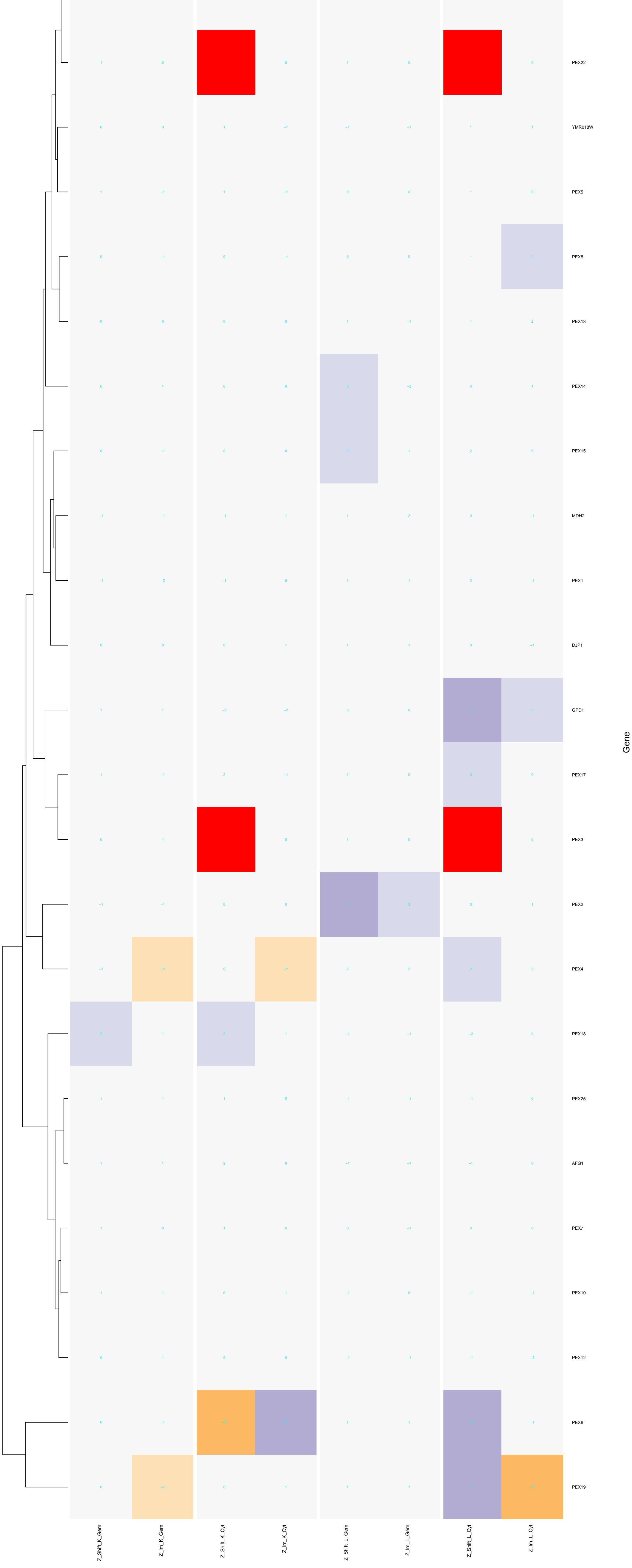
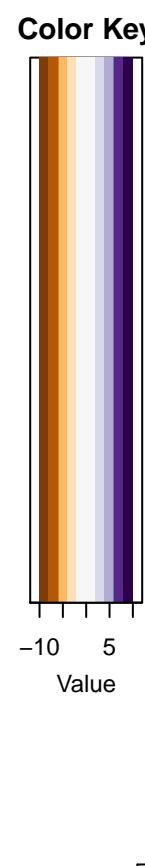


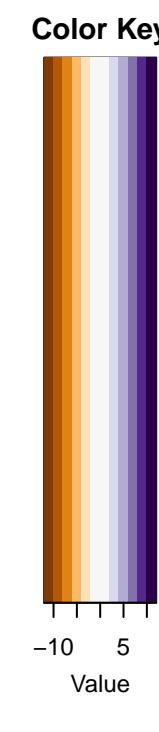
# protein targeting to vacuole

**Color Key**

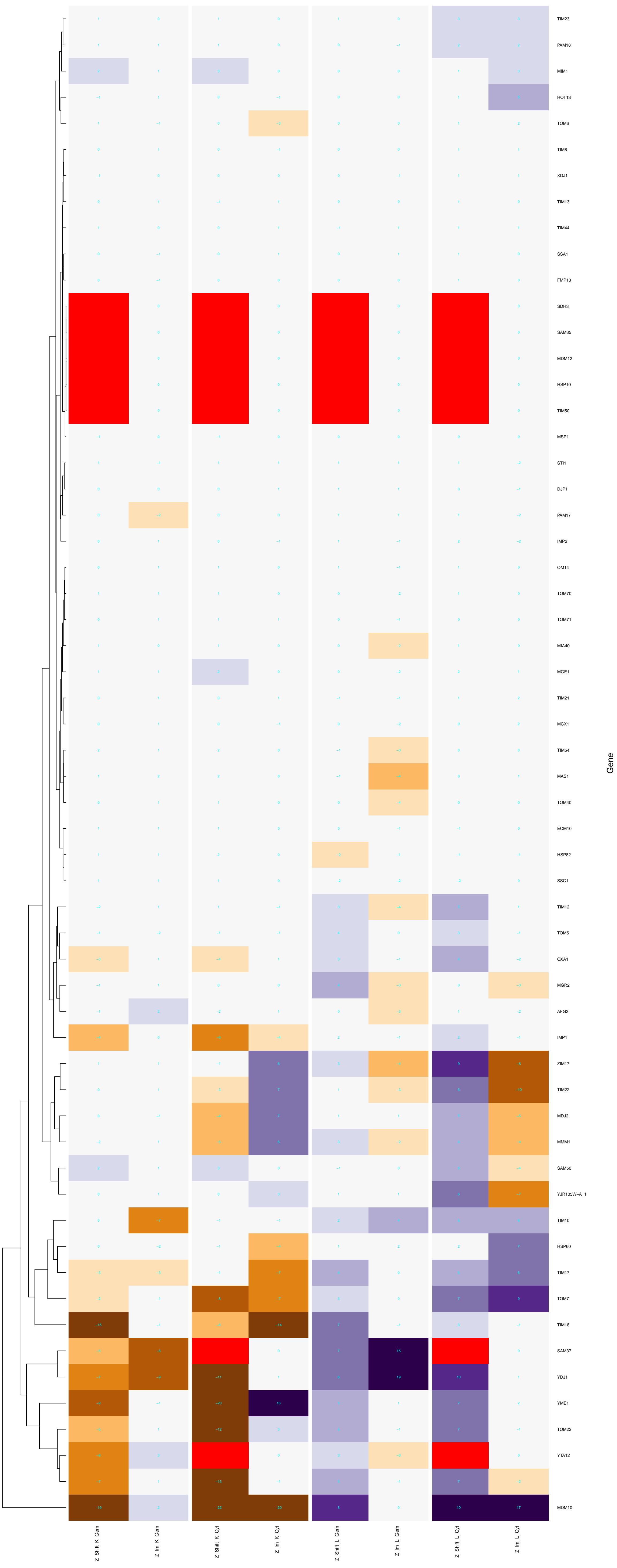


# protein targeting to peroxisome

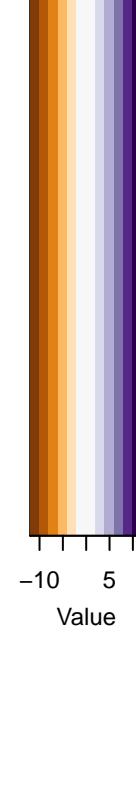




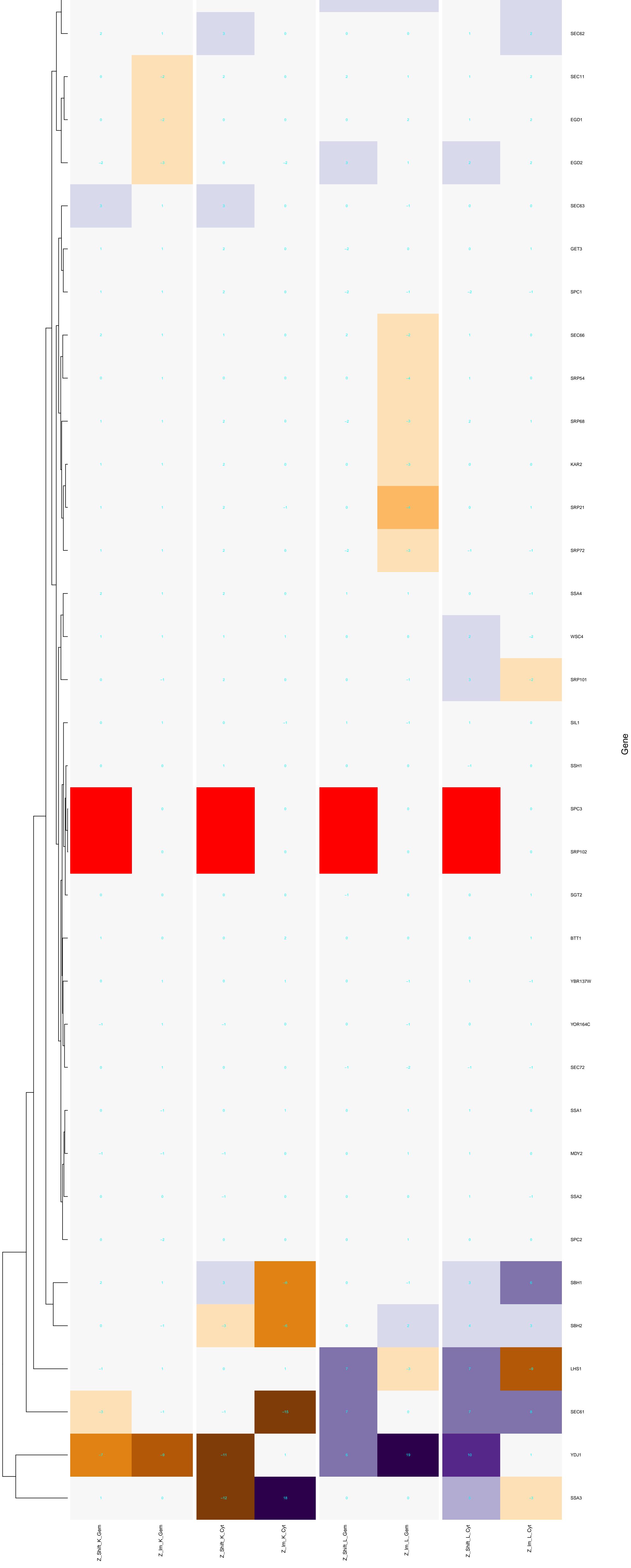
# protein targeting to mitochondrion



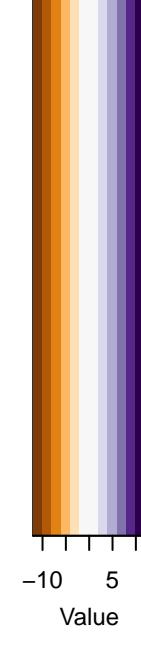
Color Key



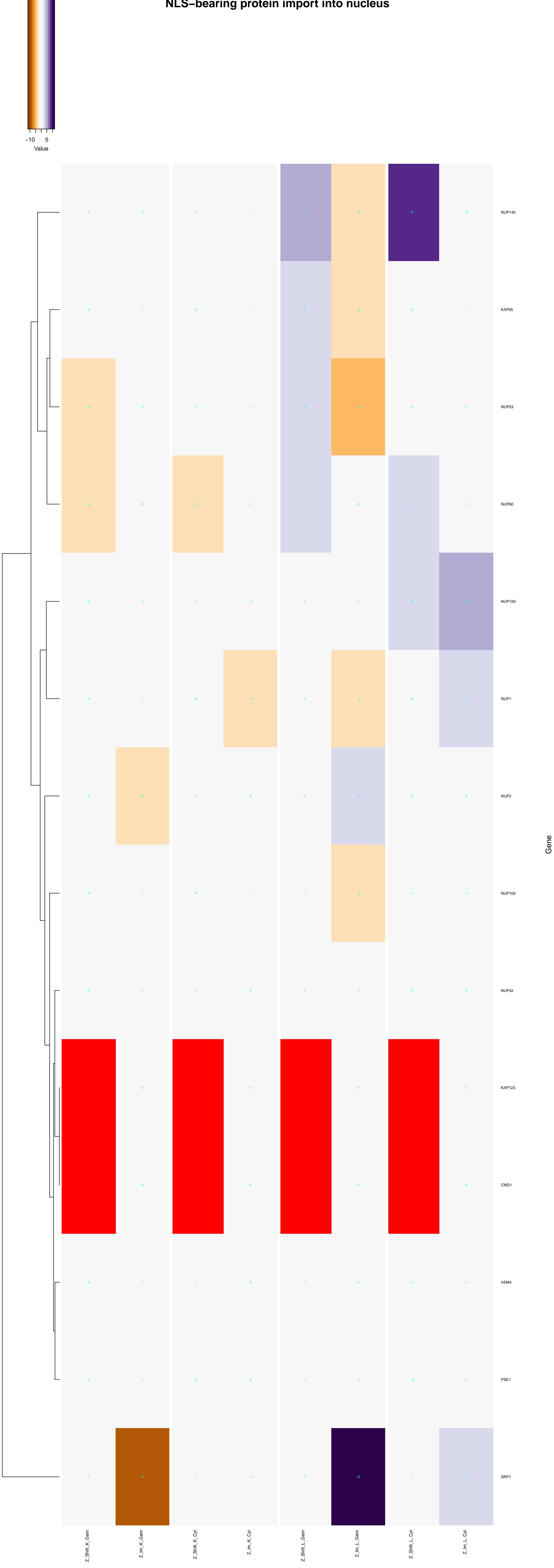
## protein targeting to ER



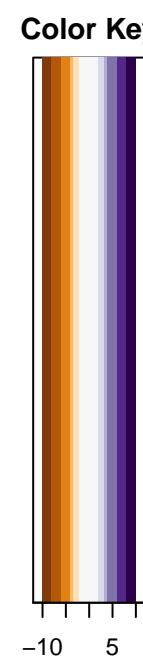
Color Key



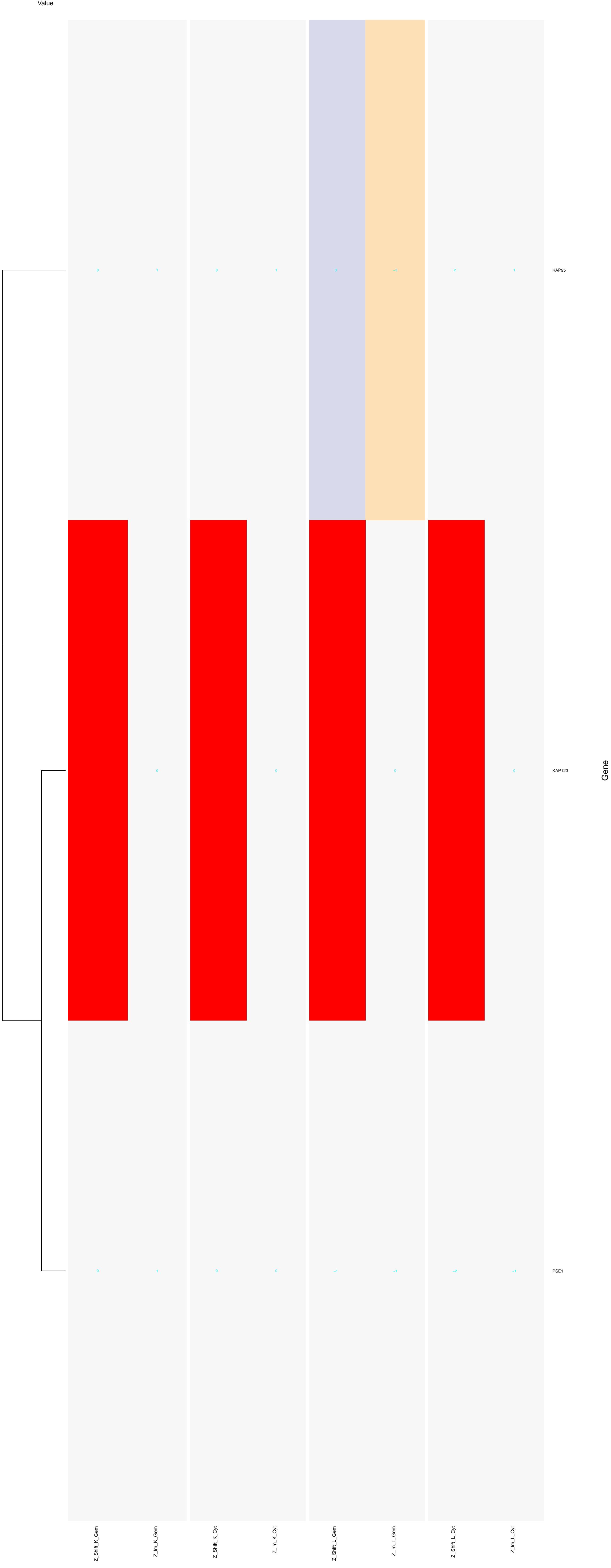
## NLS-bearing protein import into nucleus



Color Key



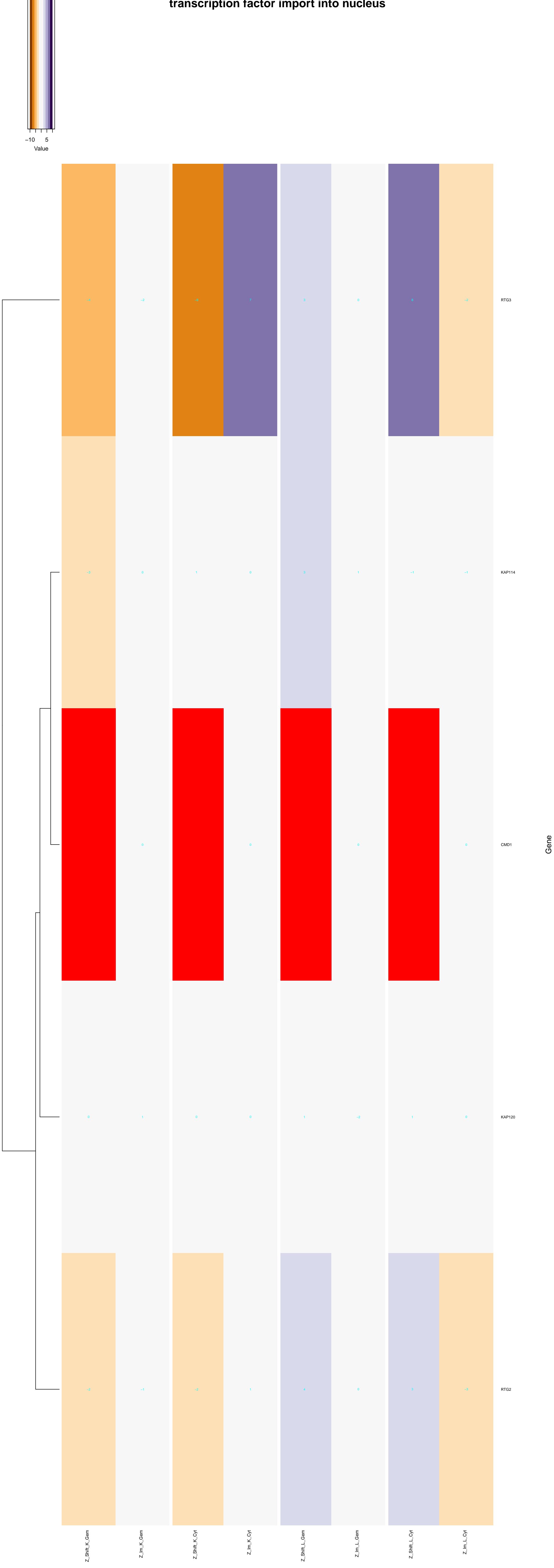
## ribosomal protein import into nucleus

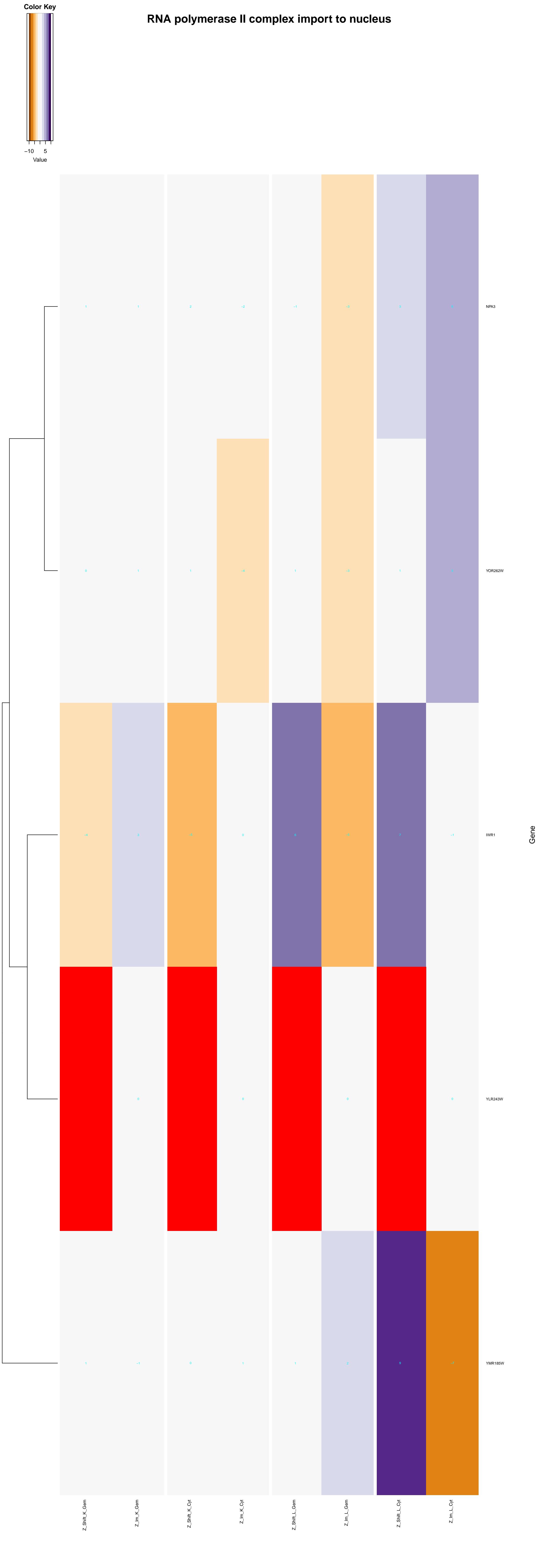


Color Key

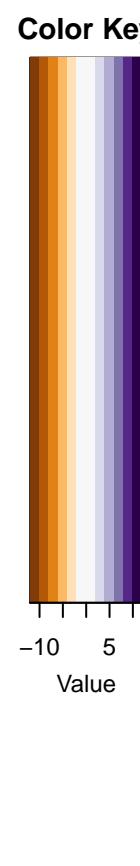


## transcription factor import into nucleus

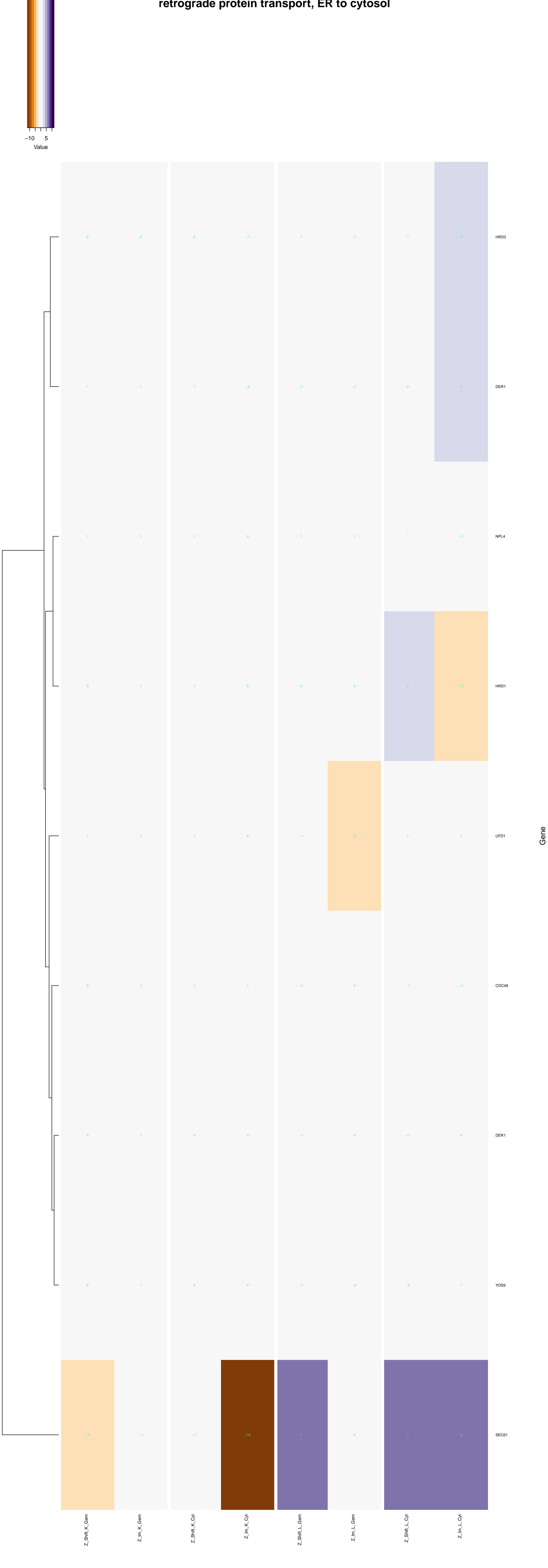




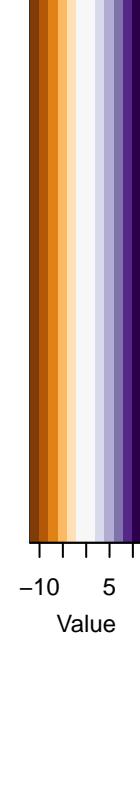
Color Key



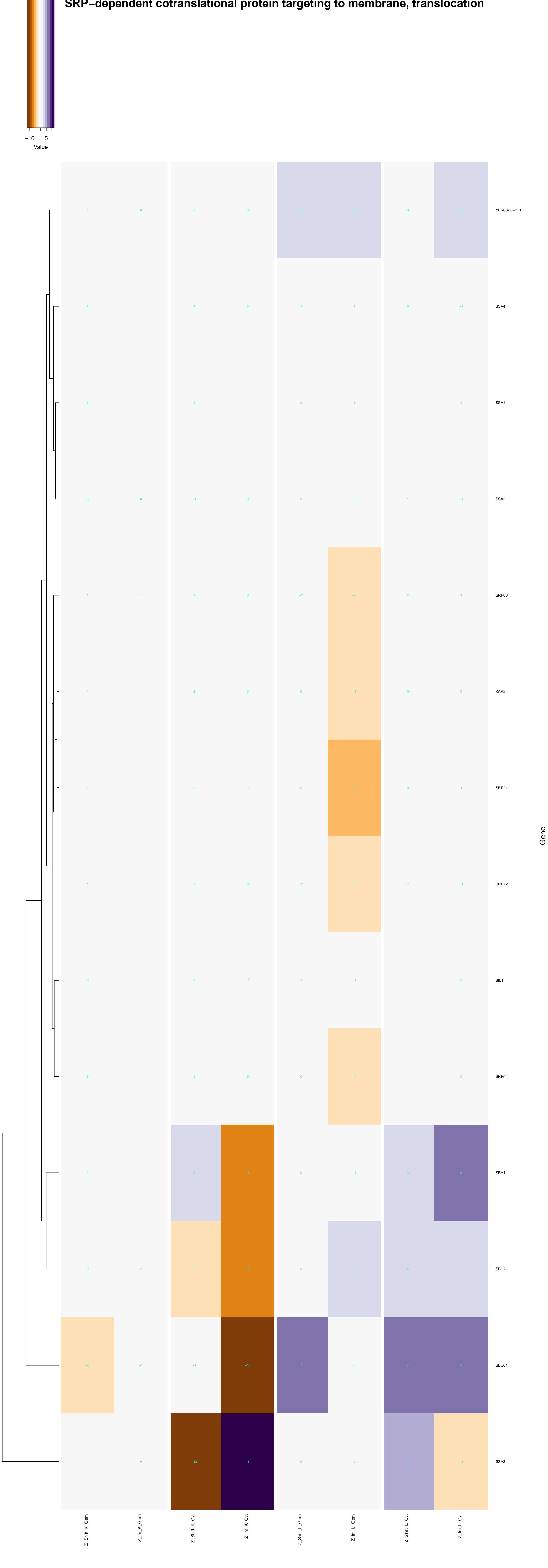
## retrograde protein transport, ER to cytosol



Color Key



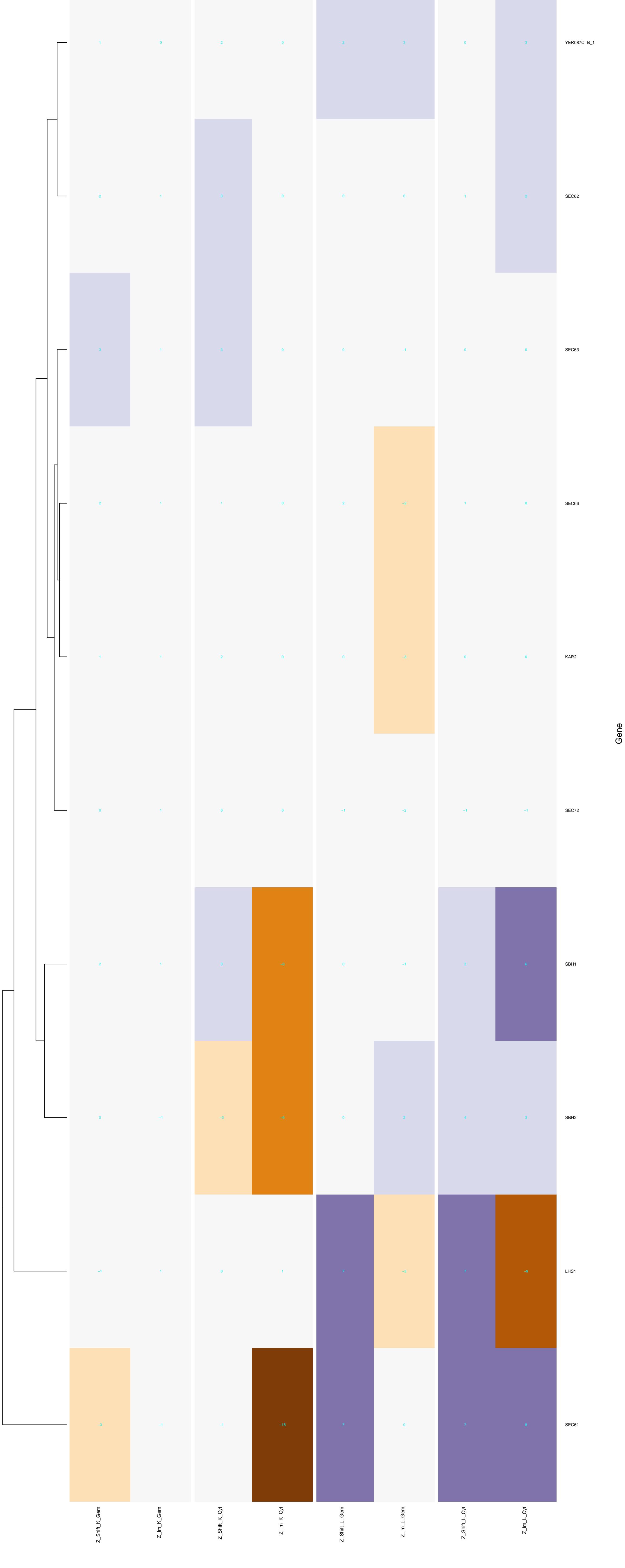
## SRP-dependent cotranslational protein targeting to membrane, translocation



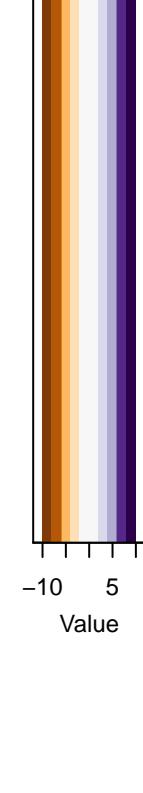
Color Key



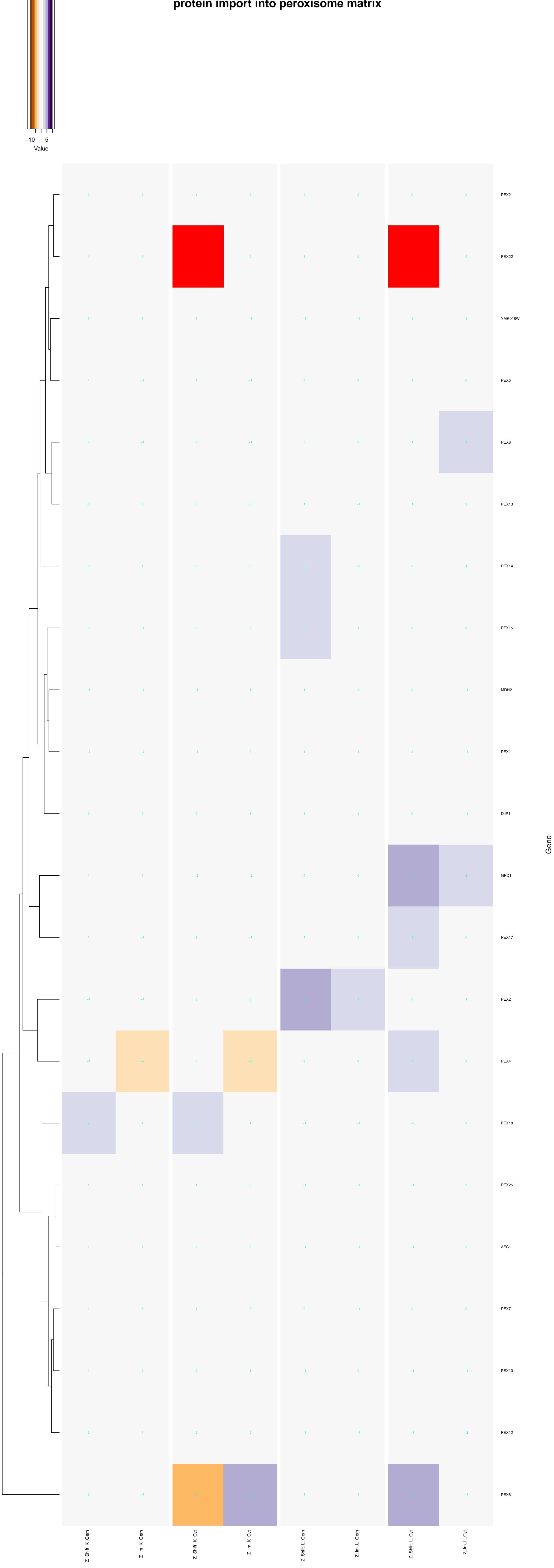
## posttranslational protein targeting to membrane, translocation

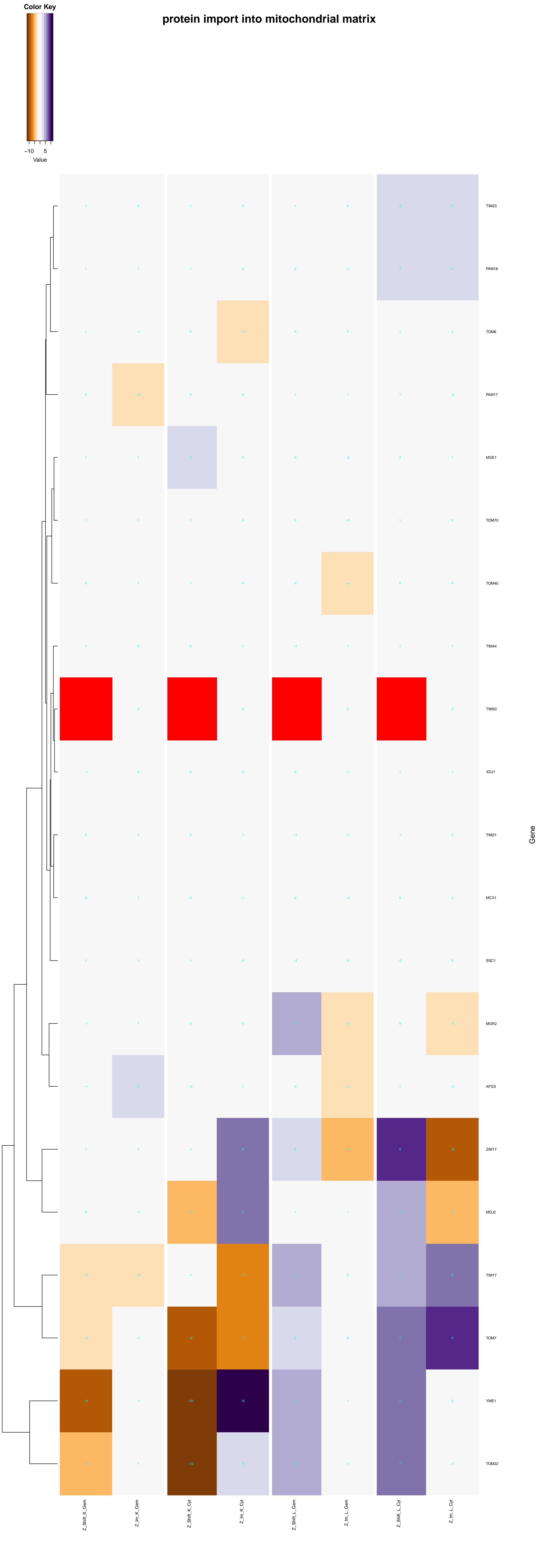


Color Key



## protein import into peroxisome matrix

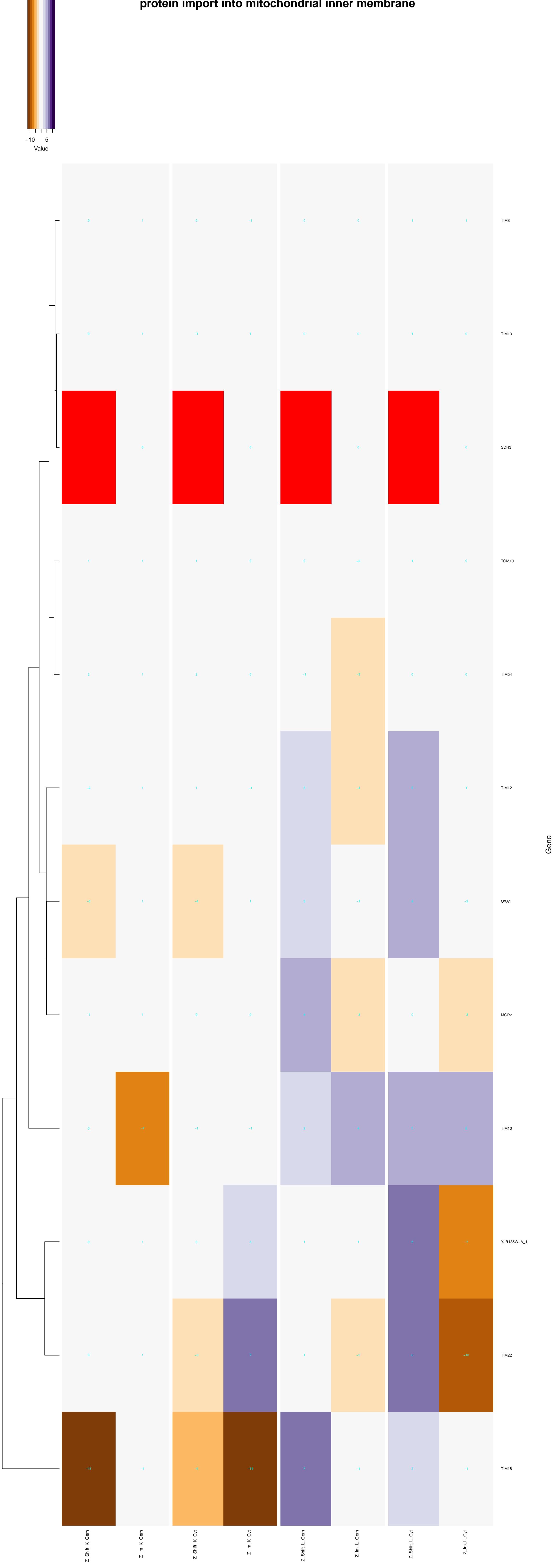




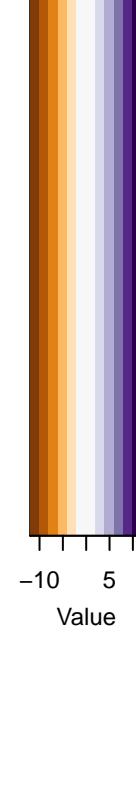
Color Key



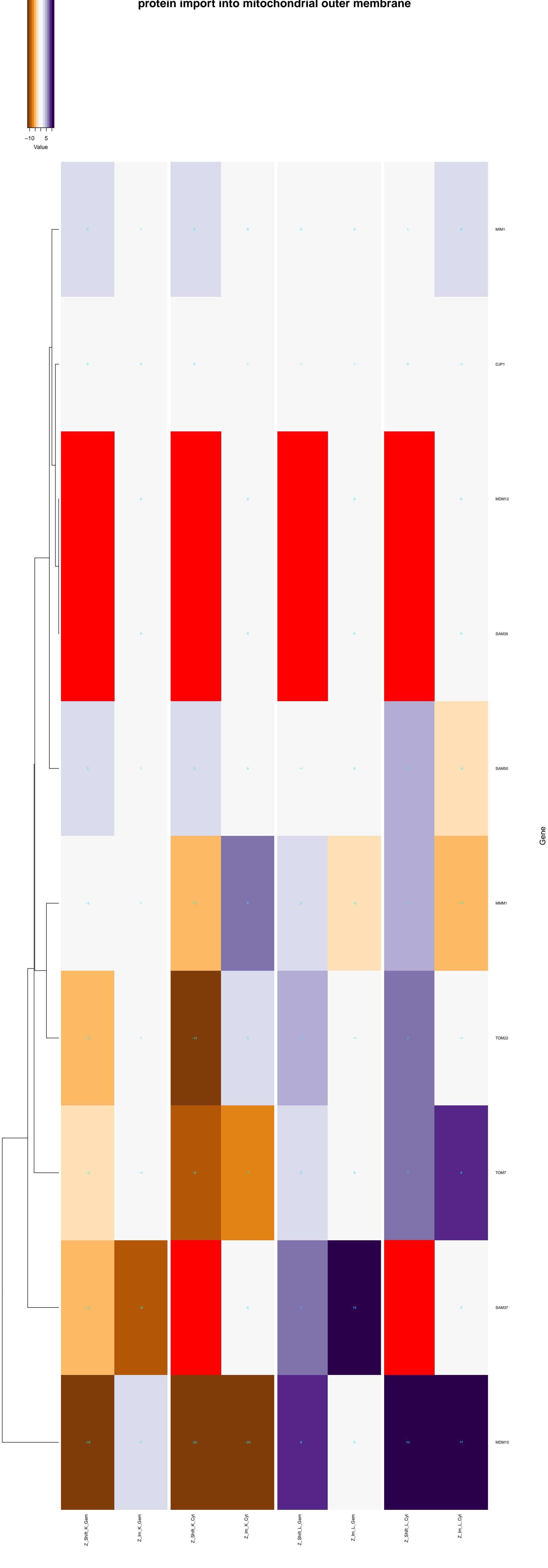
## protein import into mitochondrial inner membrane



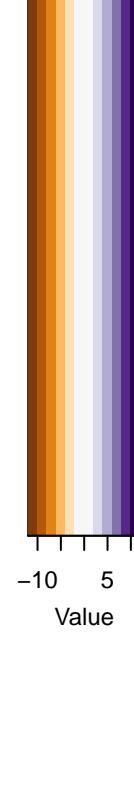
Color Key



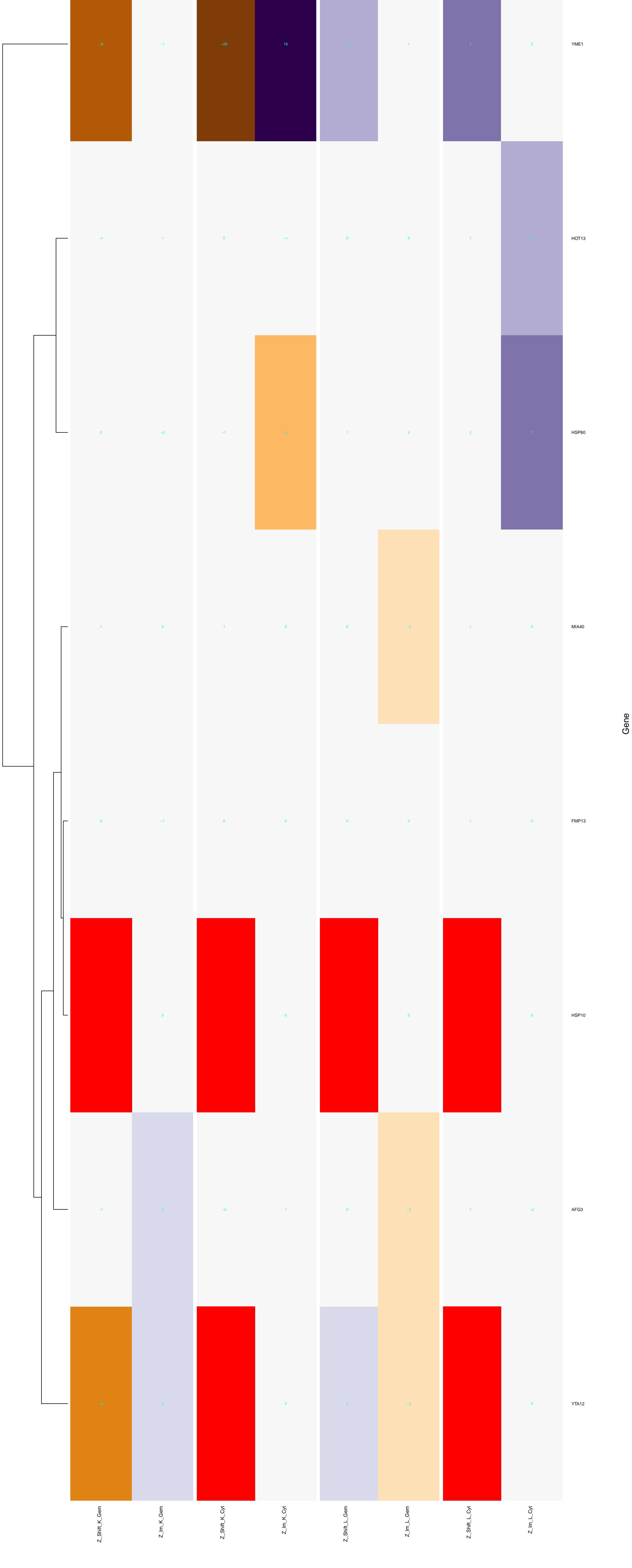
## protein import into mitochondrial outer membrane



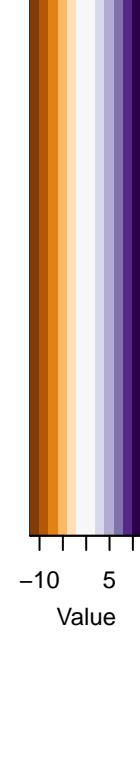
Color Key



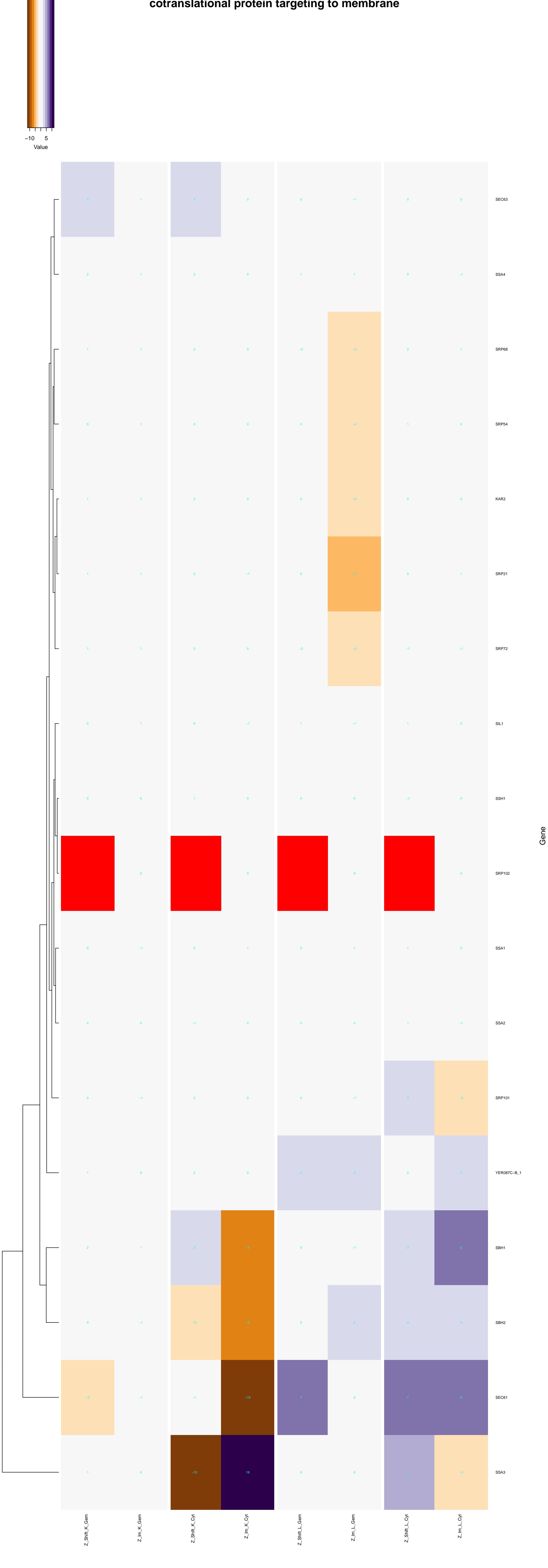
## protein import into mitochondrial intermembrane space



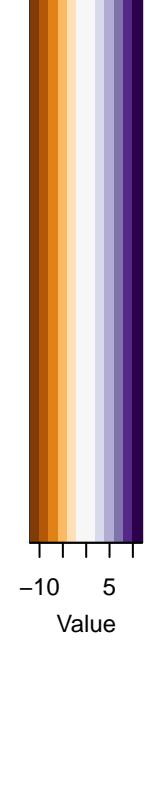
## Color Key



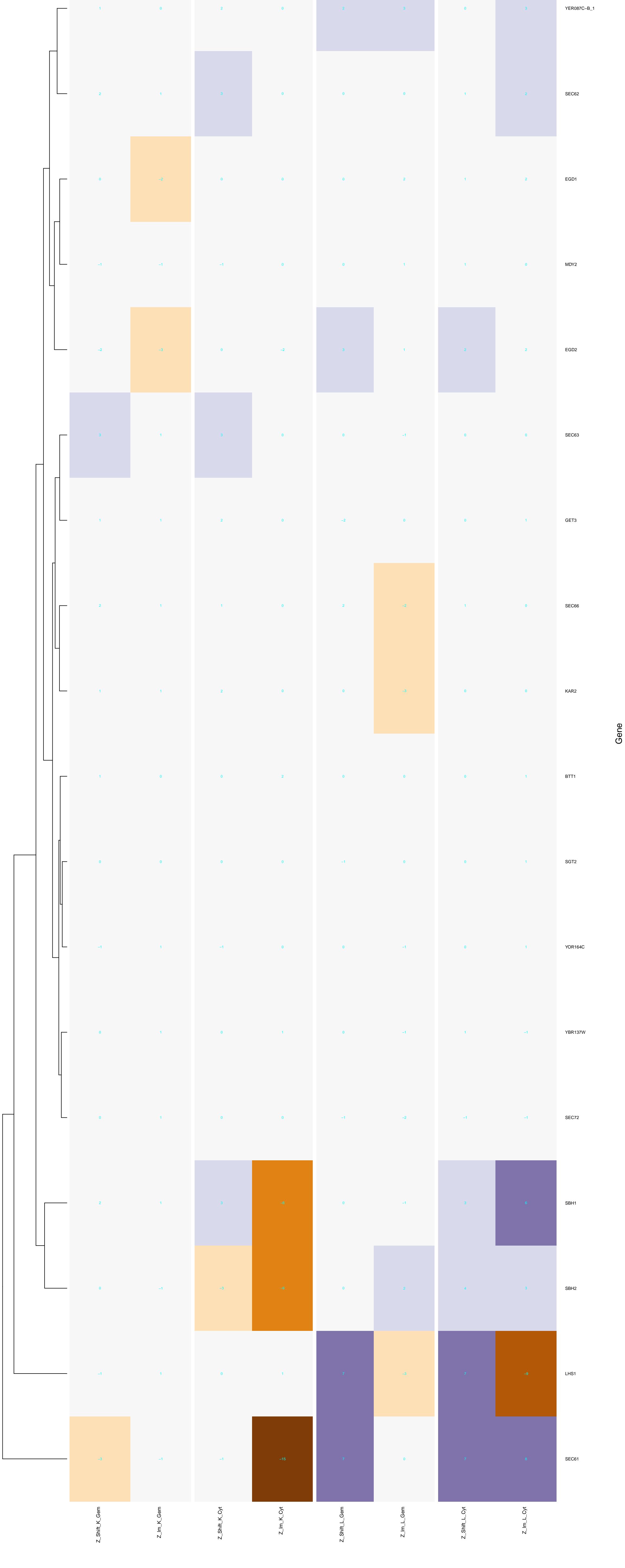
## cotranslational protein targeting to membrane



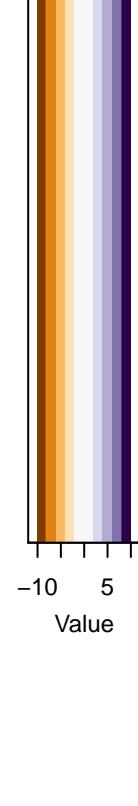
Color Key



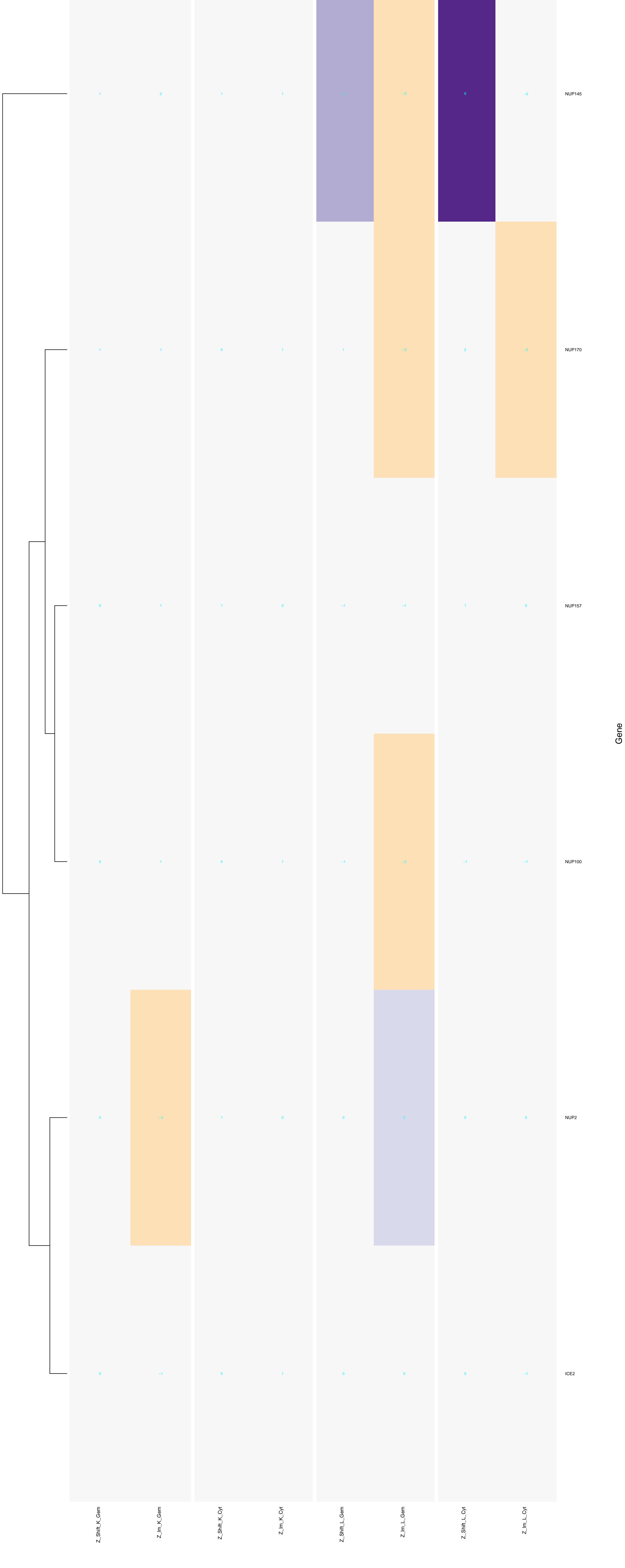
## posttranslational protein targeting to membrane

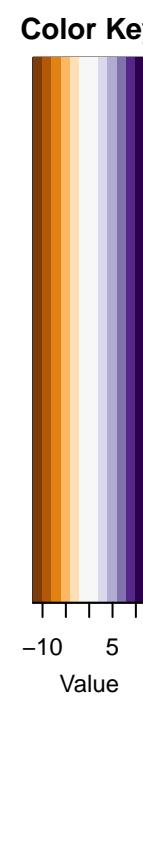


Color Key

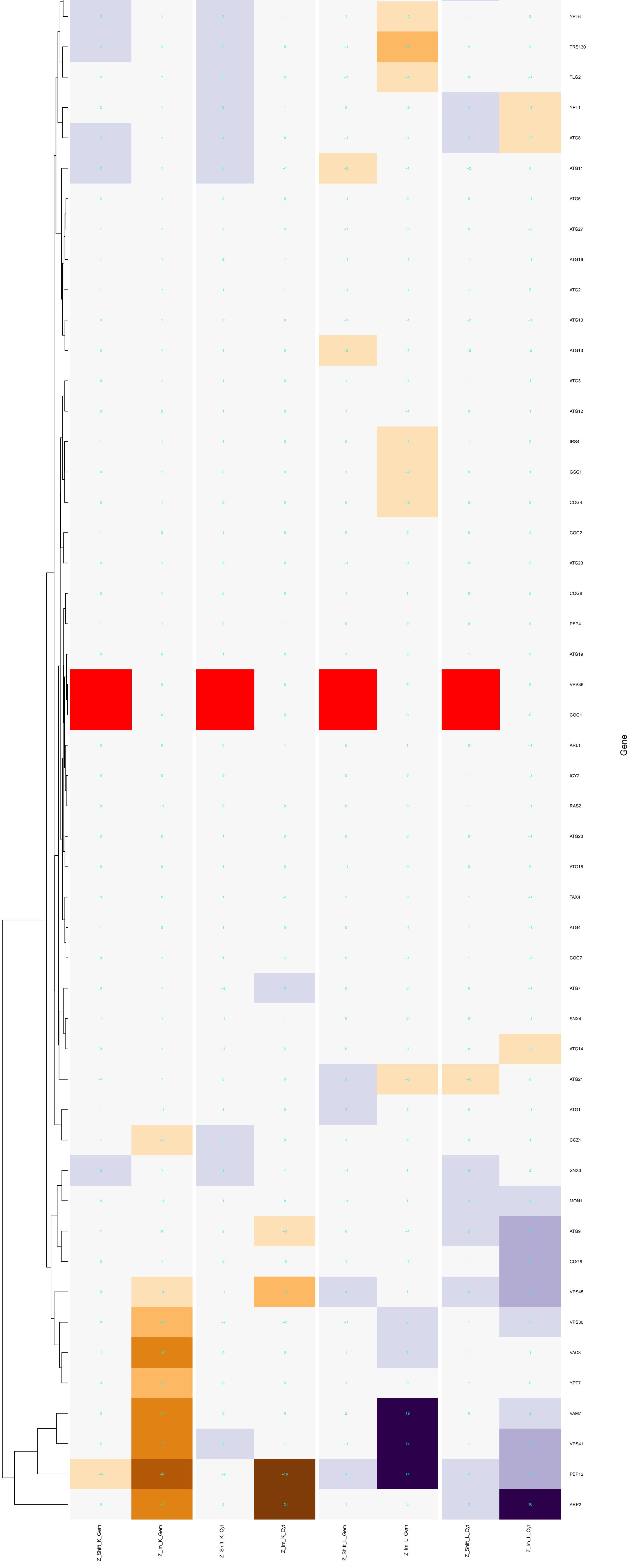


## protein targeting to nuclear inner membrane

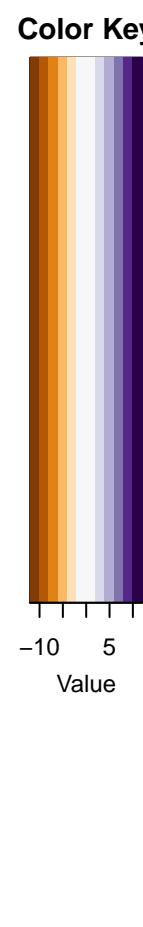




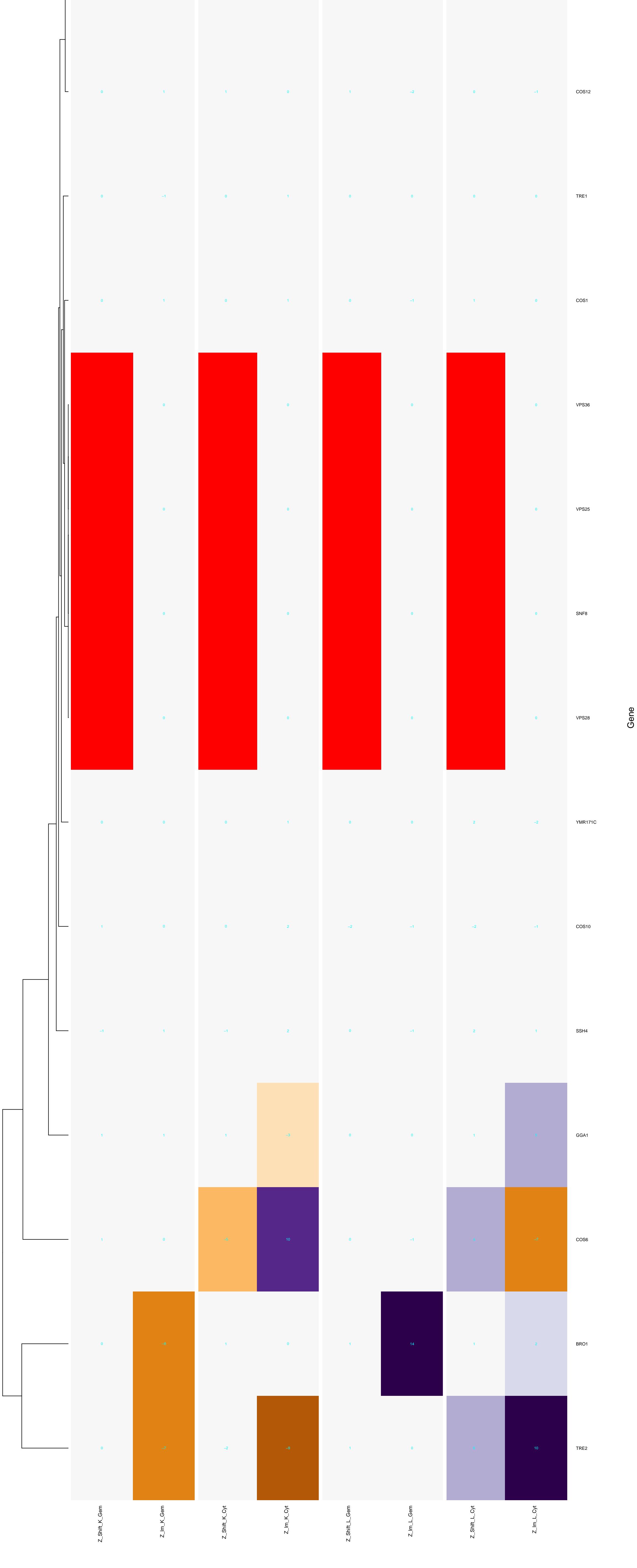
**CVT pathway**



Color Key



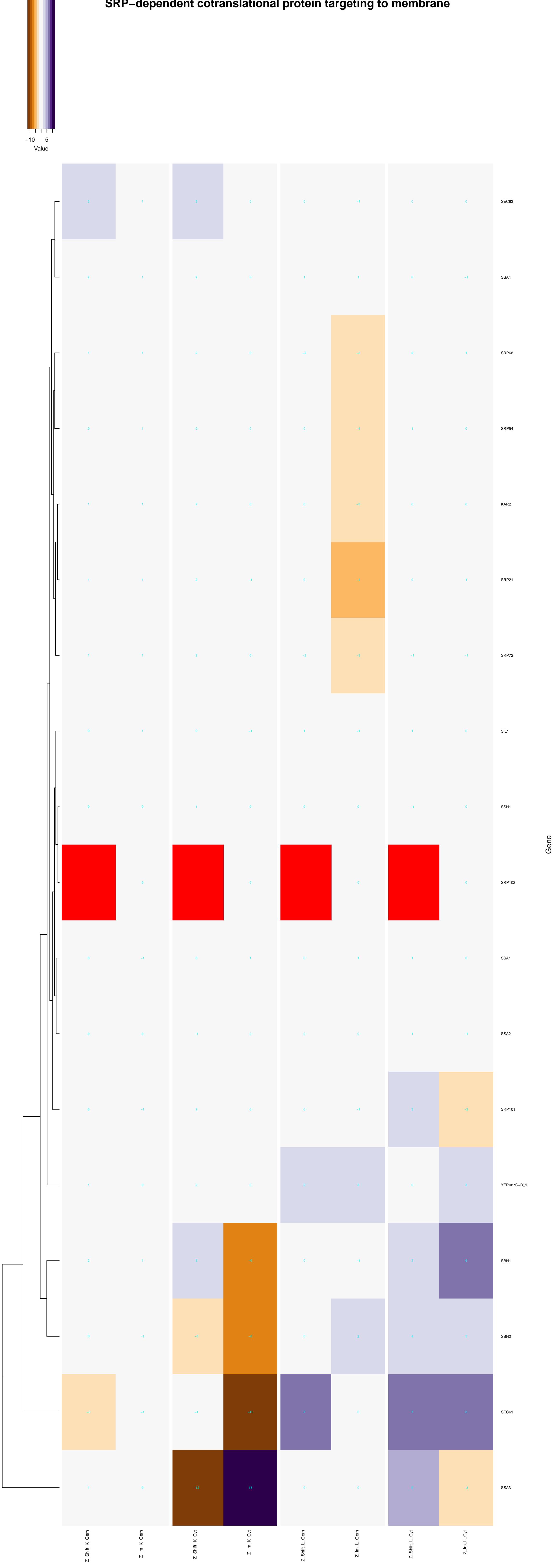
le involved in ubiquitin-dependent protein catabolic process via the multivesicular body s

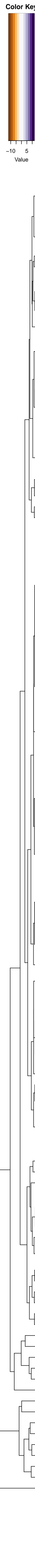


## Color Key

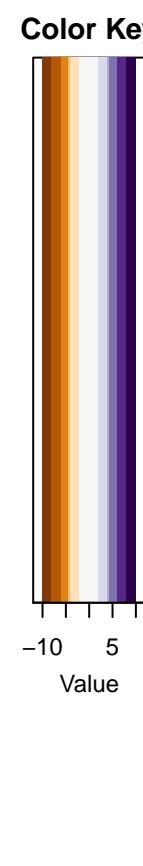


## SRP-dependent cotranslational protein targeting to membrane

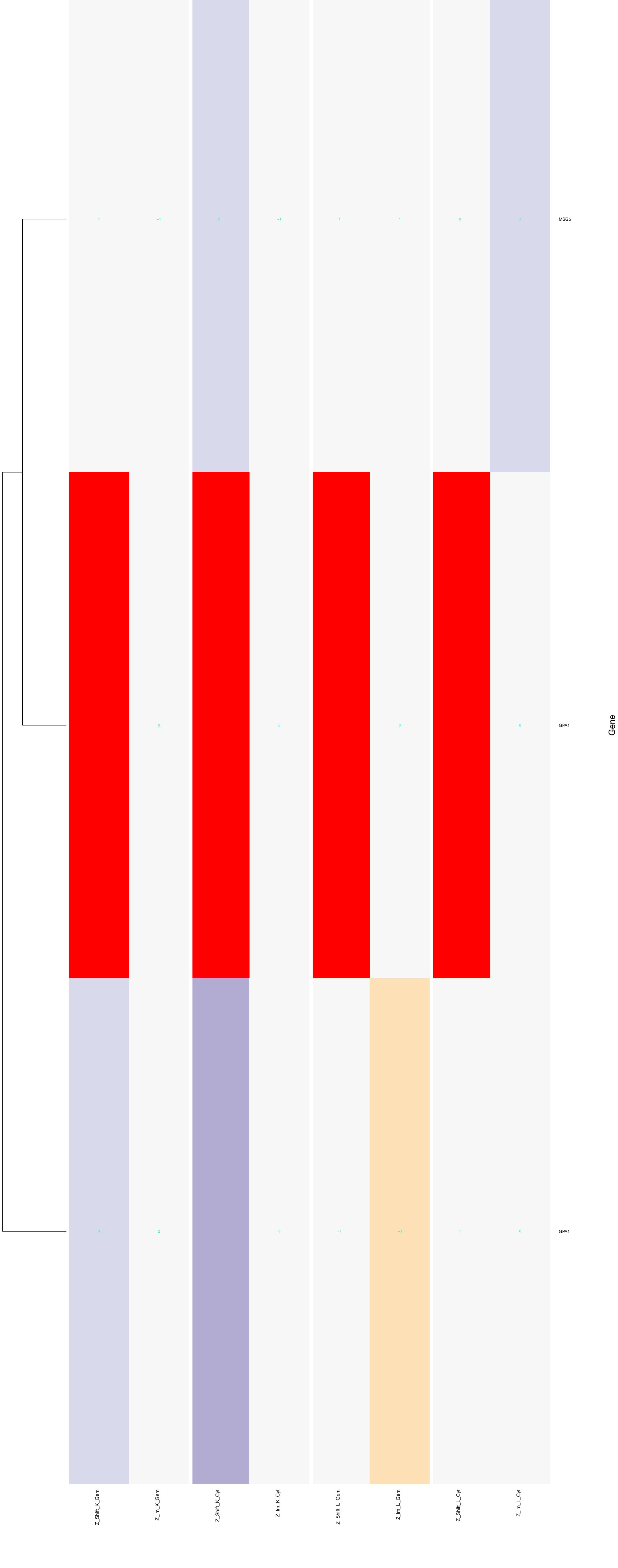




Color Key



## MAPK export from nucleus



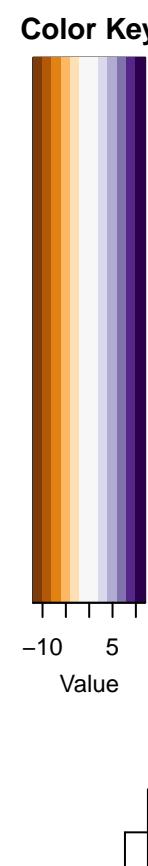


## ribonucleoprotein complex export from nucleus

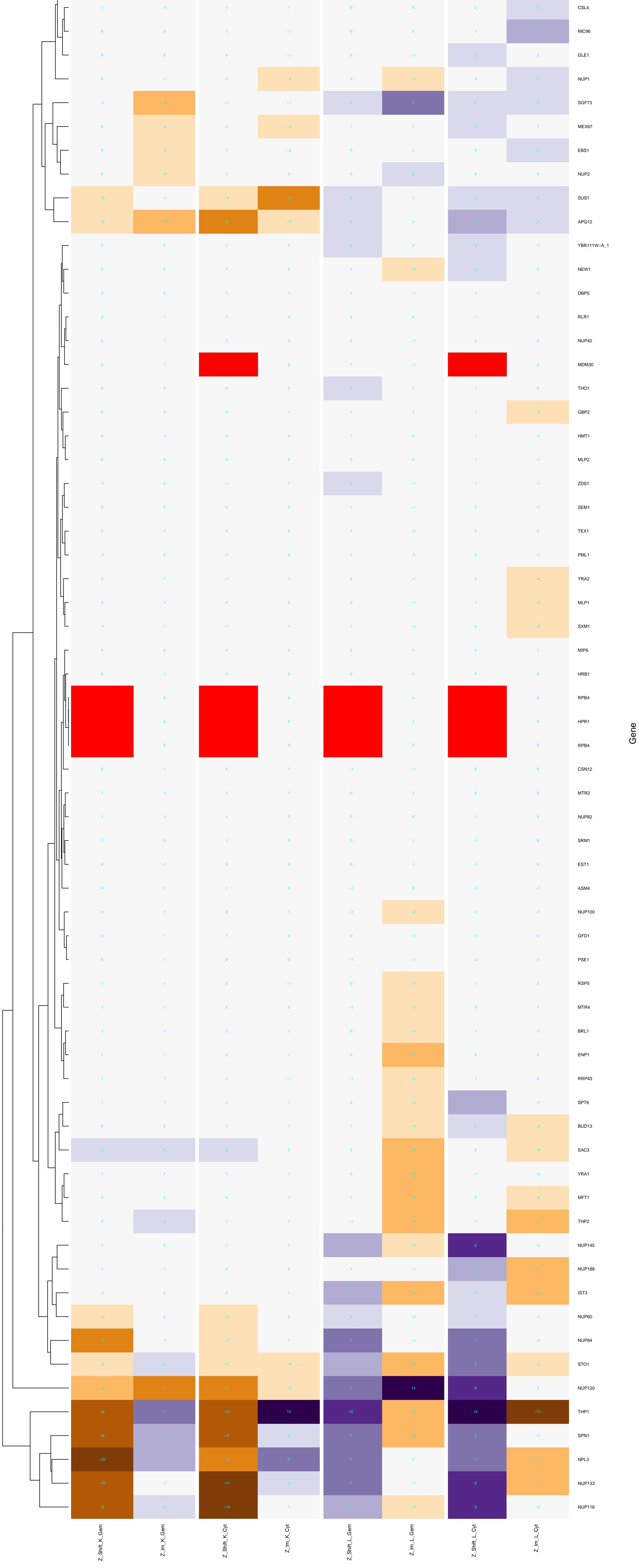
Gene

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

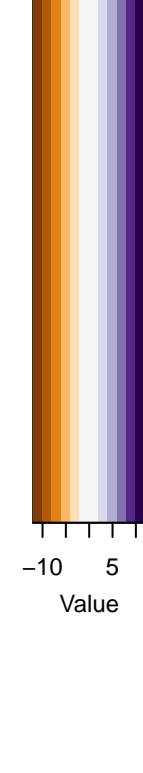
CSL4 NIC96 RIX7 NOG2 NMD3 NUP1 DIS3 NUP159 RPS19A LSG1 NOP53 RIX1 ARB1 RLI1 EBS1 RPL40A NUP2 SSB1 LOS1 MEX67 ADA1 YBR111W-A\_1 NUG1 GBP2 THO1 SOL1 NEW1 RPS28A YRB2 ZDS1 SEM1 TEX1 PML1 RLR1 NUP42 MDM30 RPS26B DBP5 BCP1 MSN5 HPR1 RPS2 RPB4 RPB4 RNA1 YOR112W GSP2 GLE1 SSB2 MTR2 NUP82 MIP6 HMT1 MLP2 ECM1 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



## mRNA-containing ribonucleoprotein complex export from nucleus



## Color Key



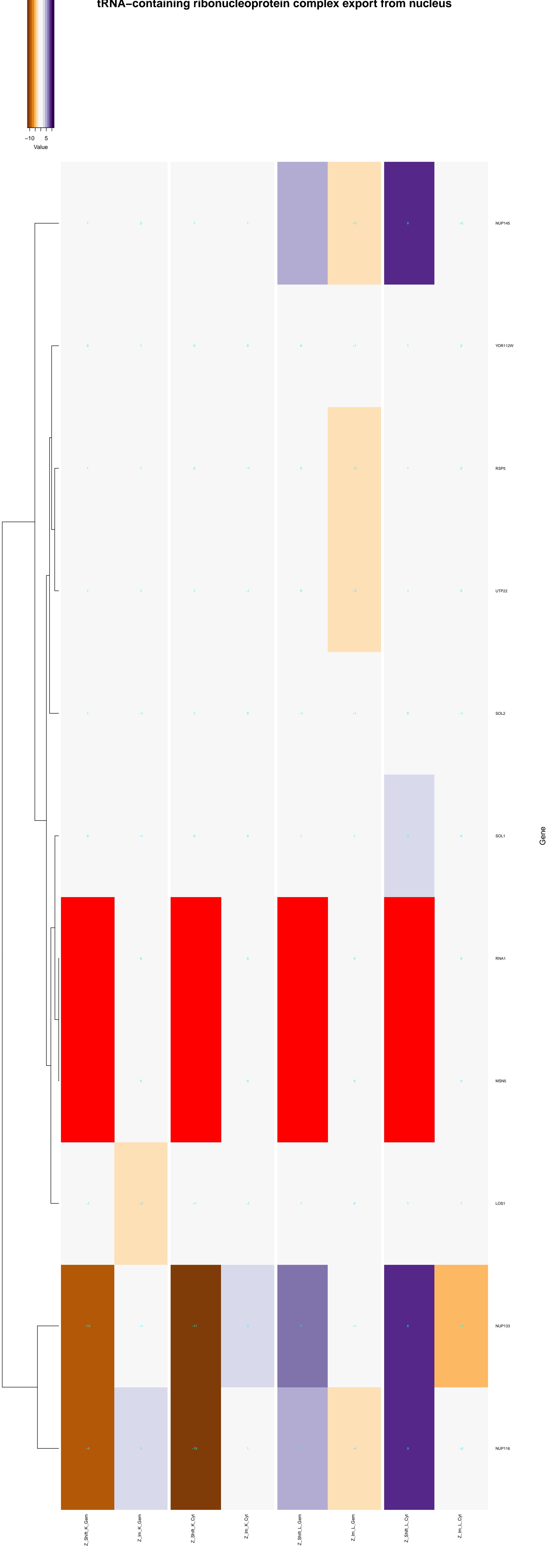
## rRNA-containing ribonucleoprotein complex export from nucleus

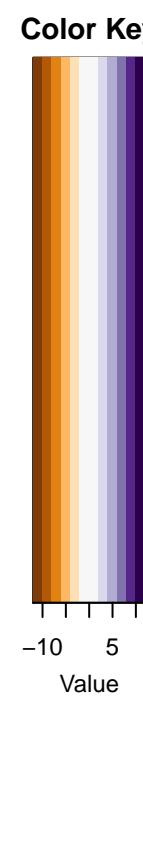


Color Key

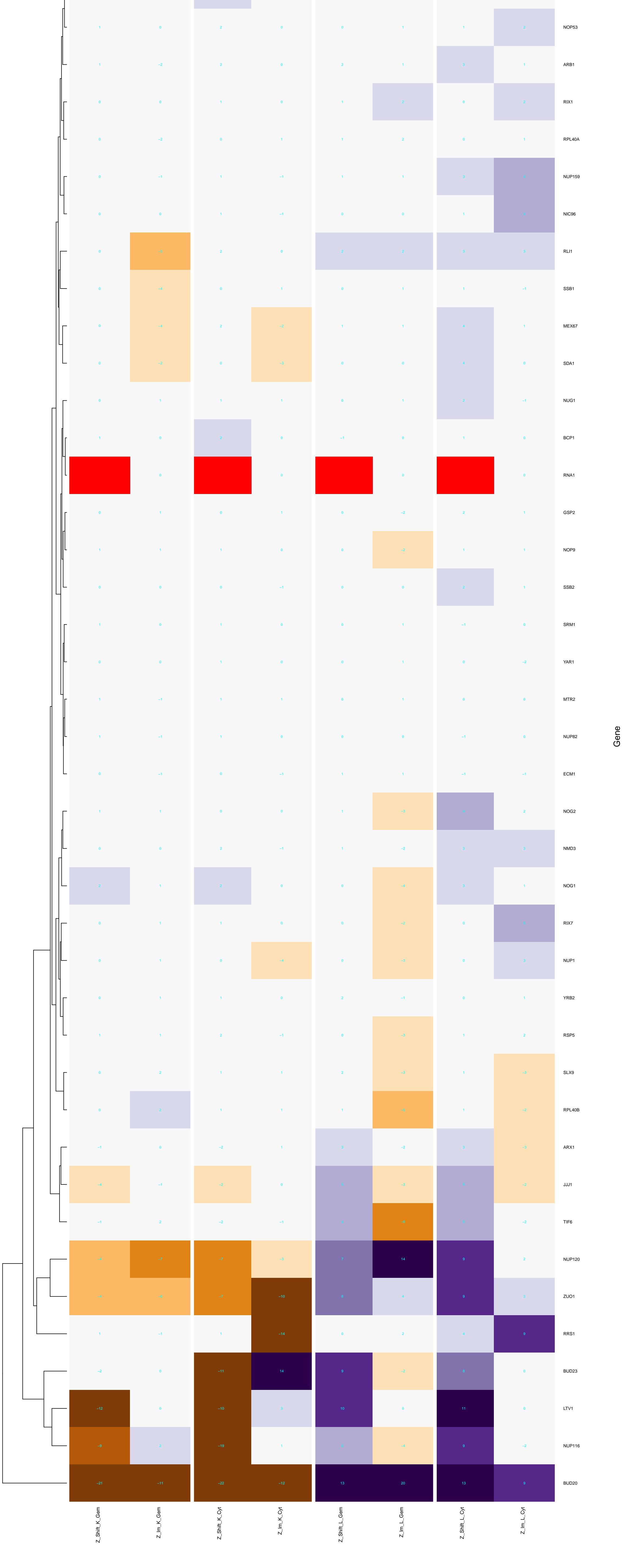


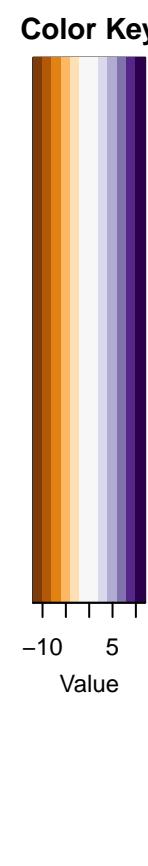
## tRNA-containing ribonucleoprotein complex export from nucleus



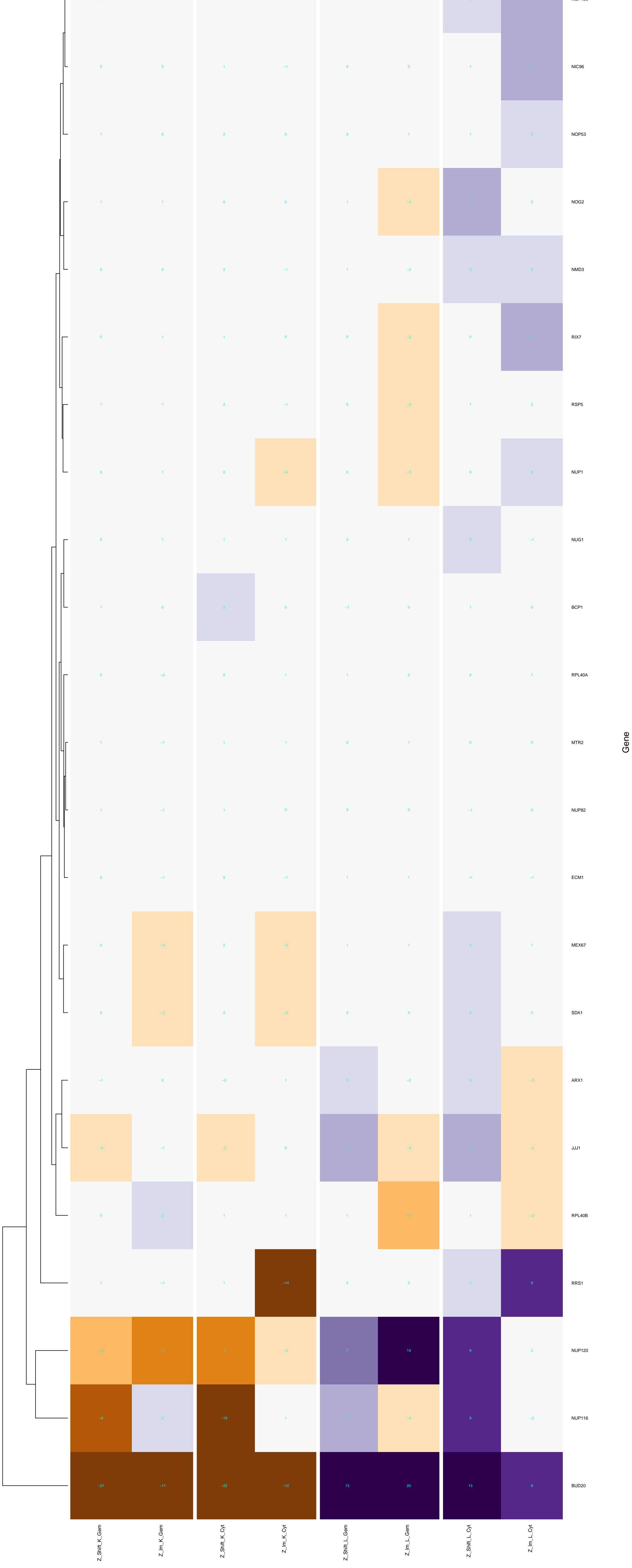


## ribosomal subunit export from nucleus





## ribosomal large subunit export from nucleus



Color Key



## ribosomal small subunit export from nucleus

