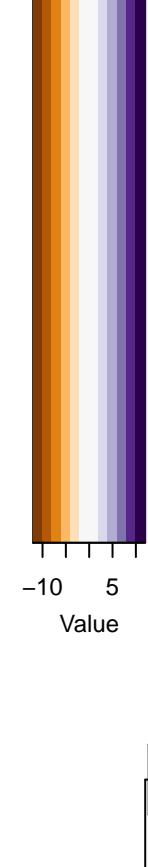
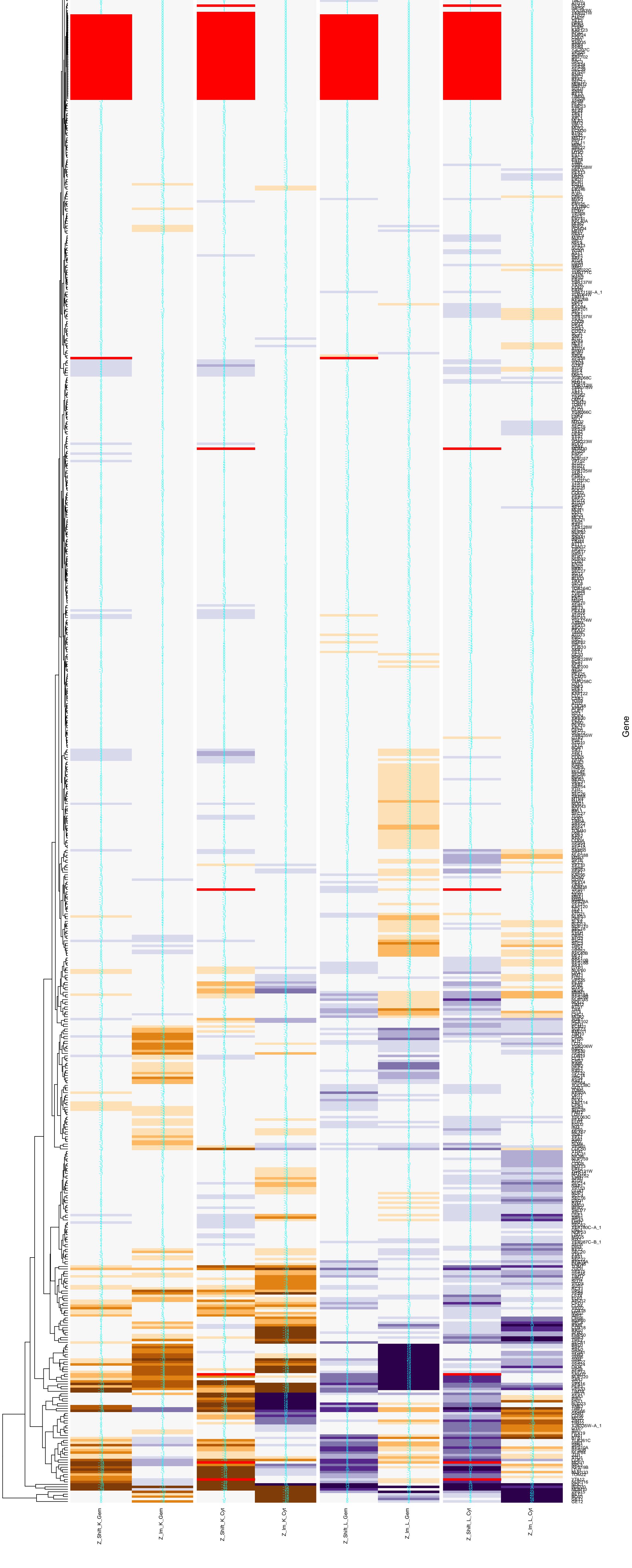


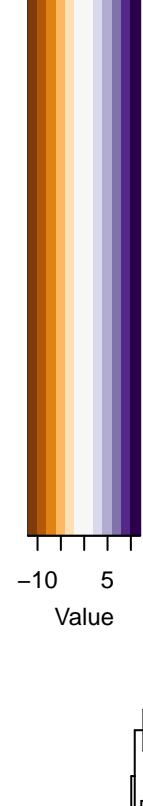
Color Key



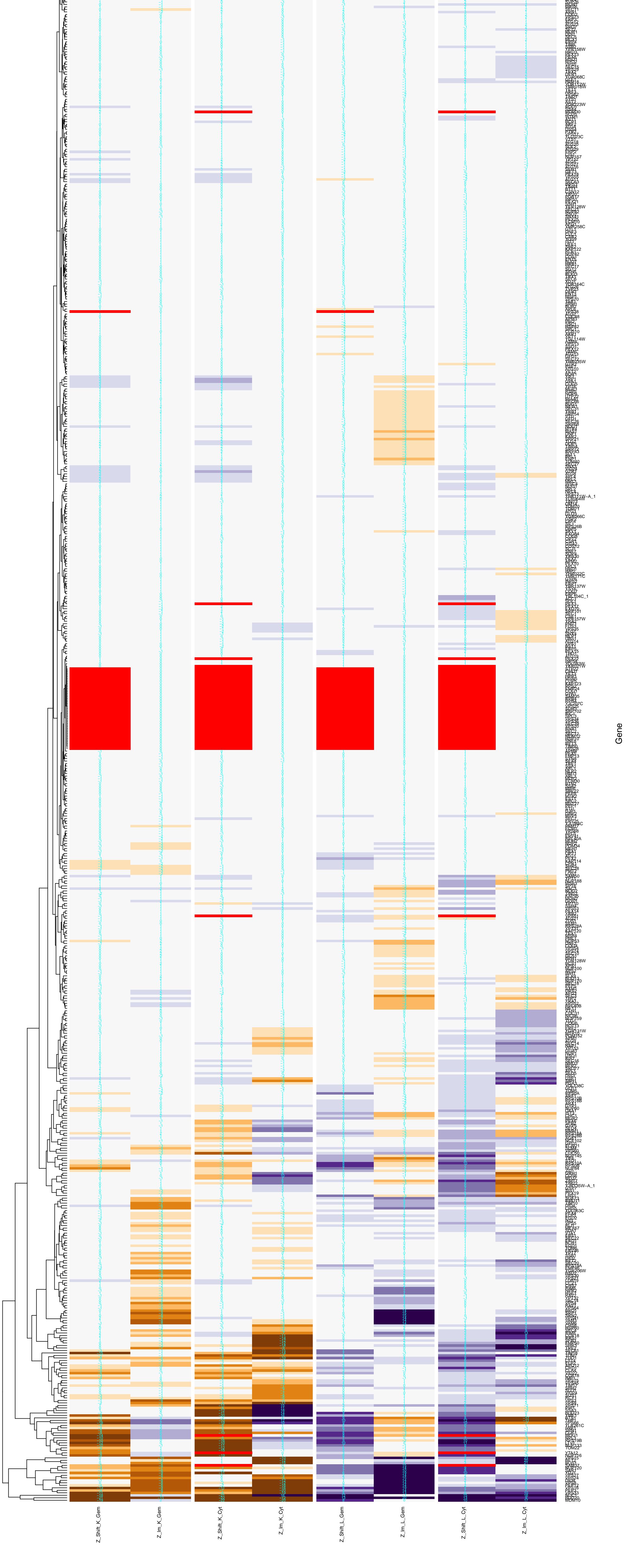
establishment of protein localization



Color Key

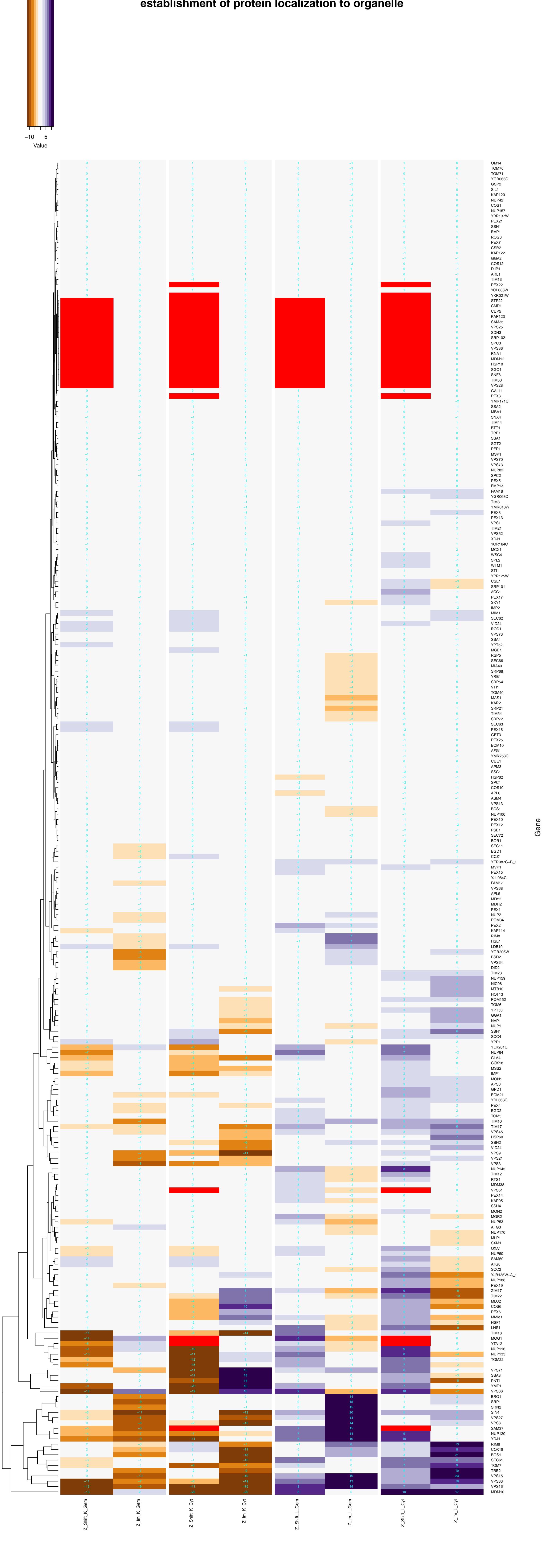


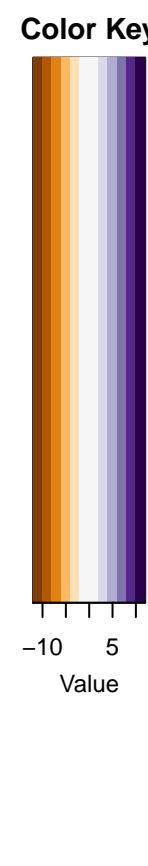
protein transport



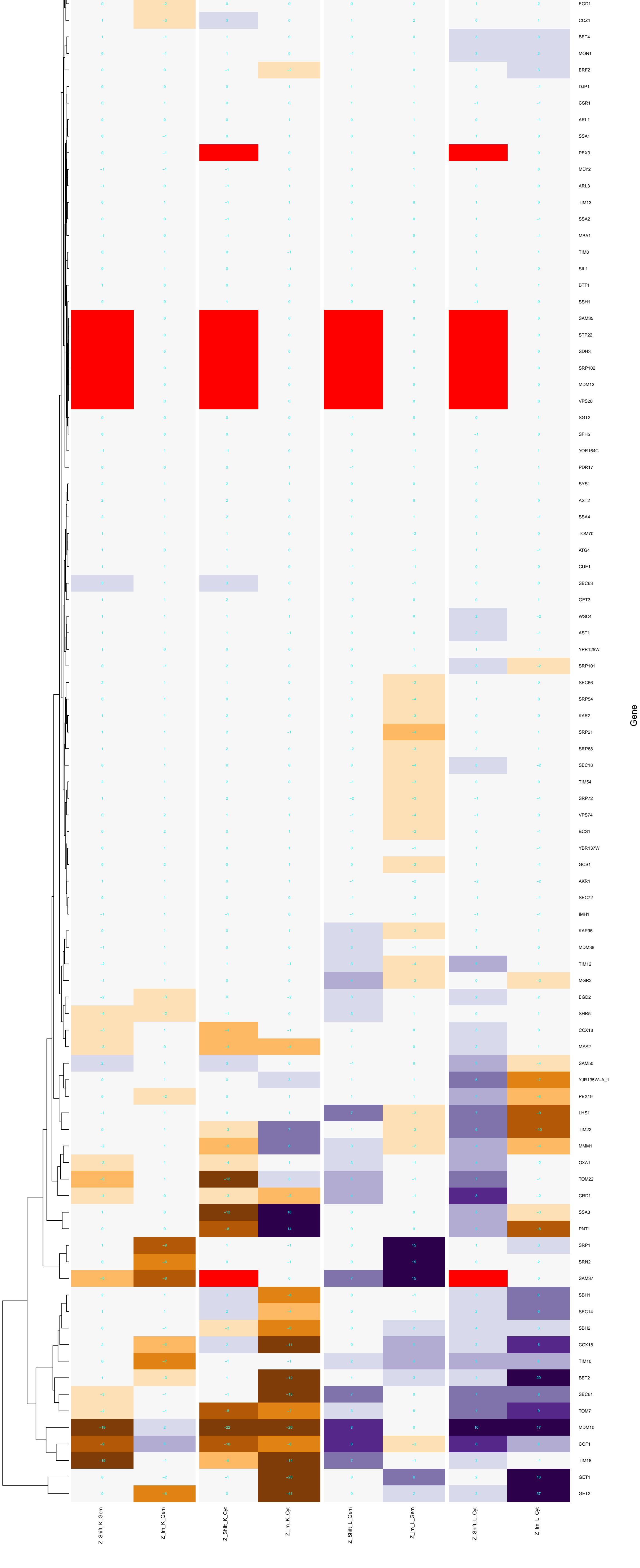
Color Key

establishment of protein localization to organelle

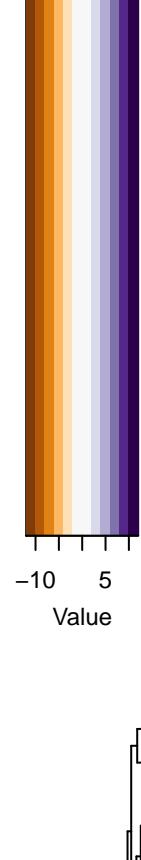




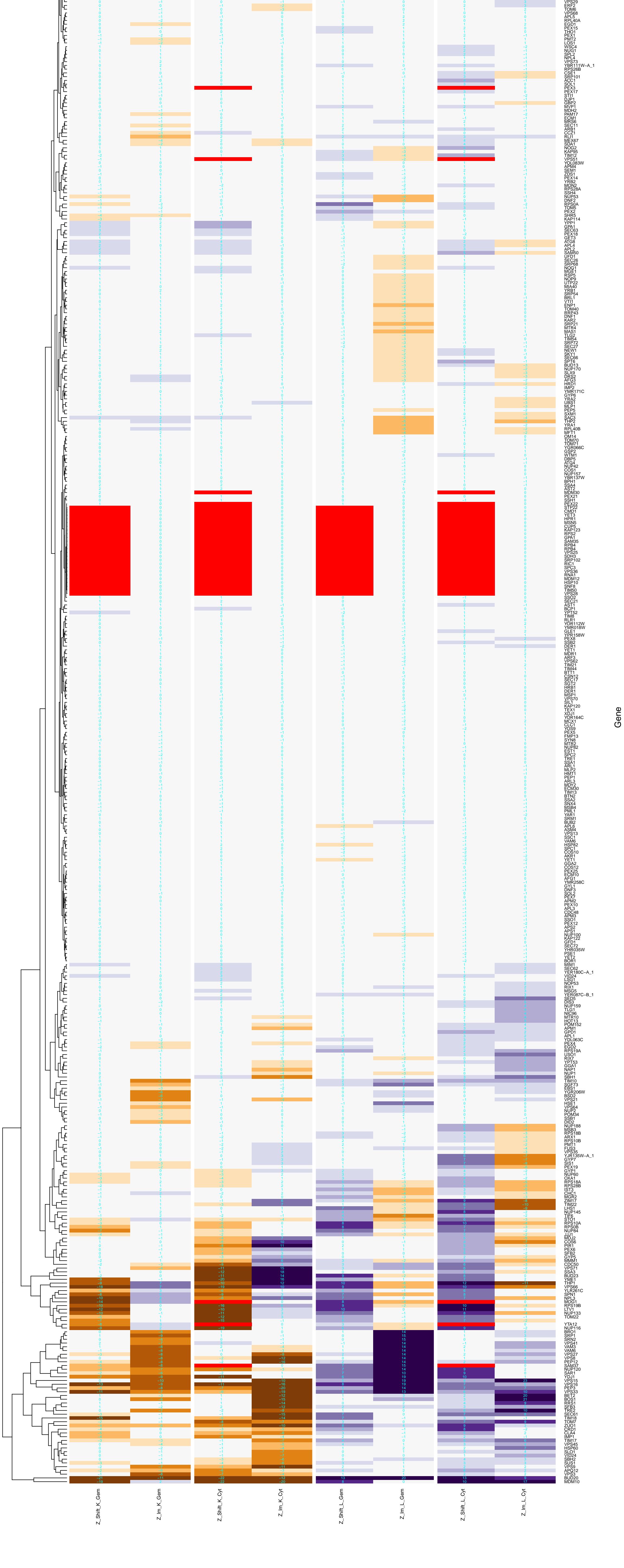
establishment of protein localization to membrane



Color Key



intracellular protein transport

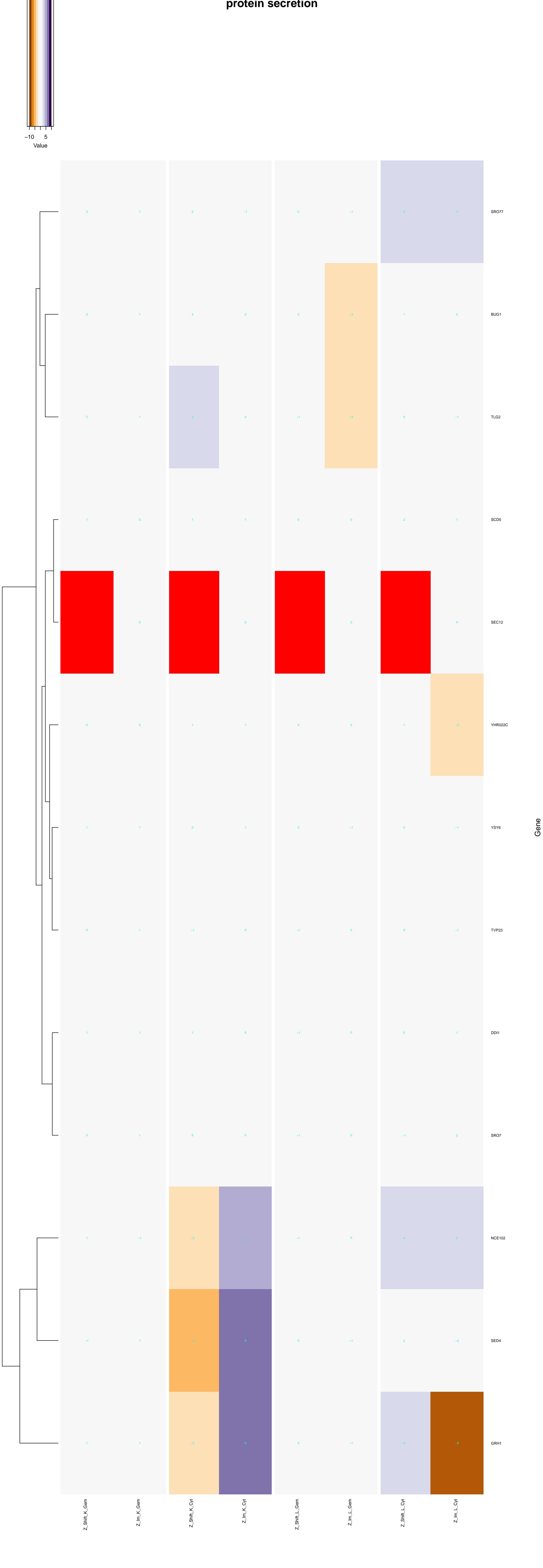


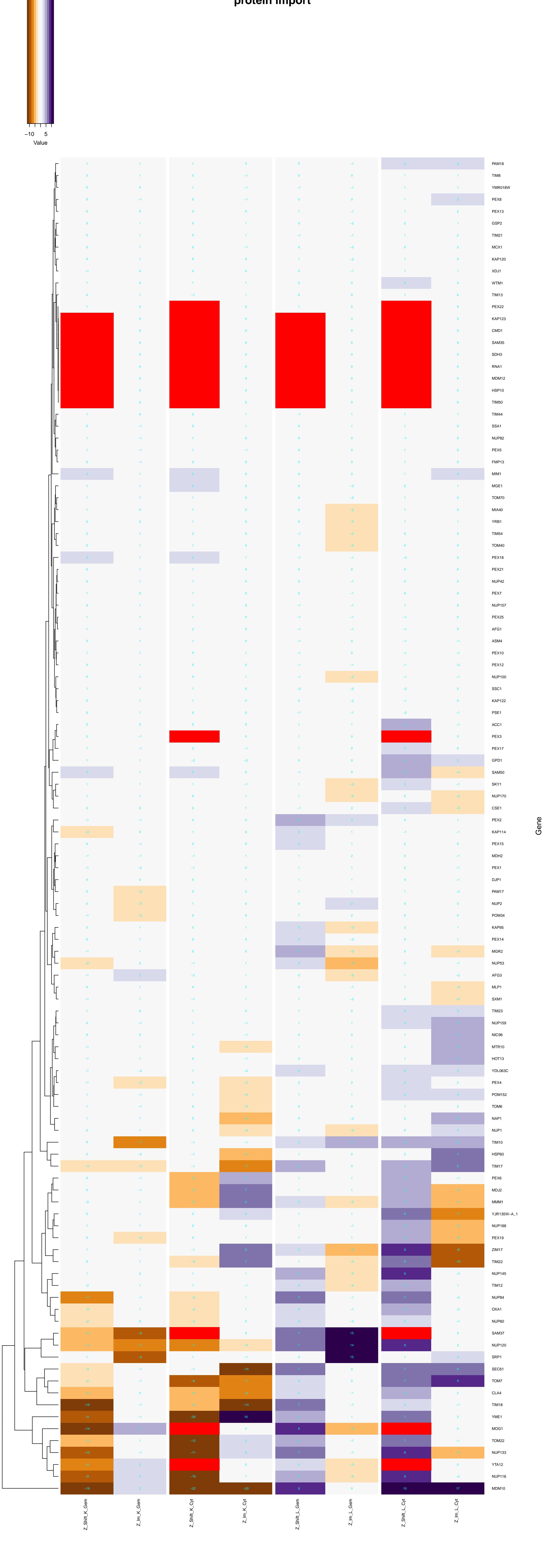
Color Key



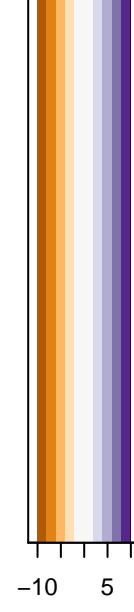
Value

protein secretion



Color Key
protein import


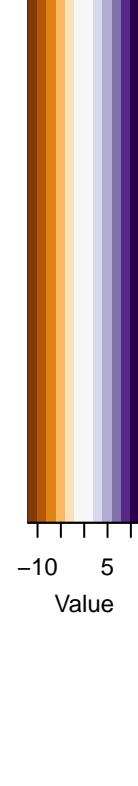
Color Key



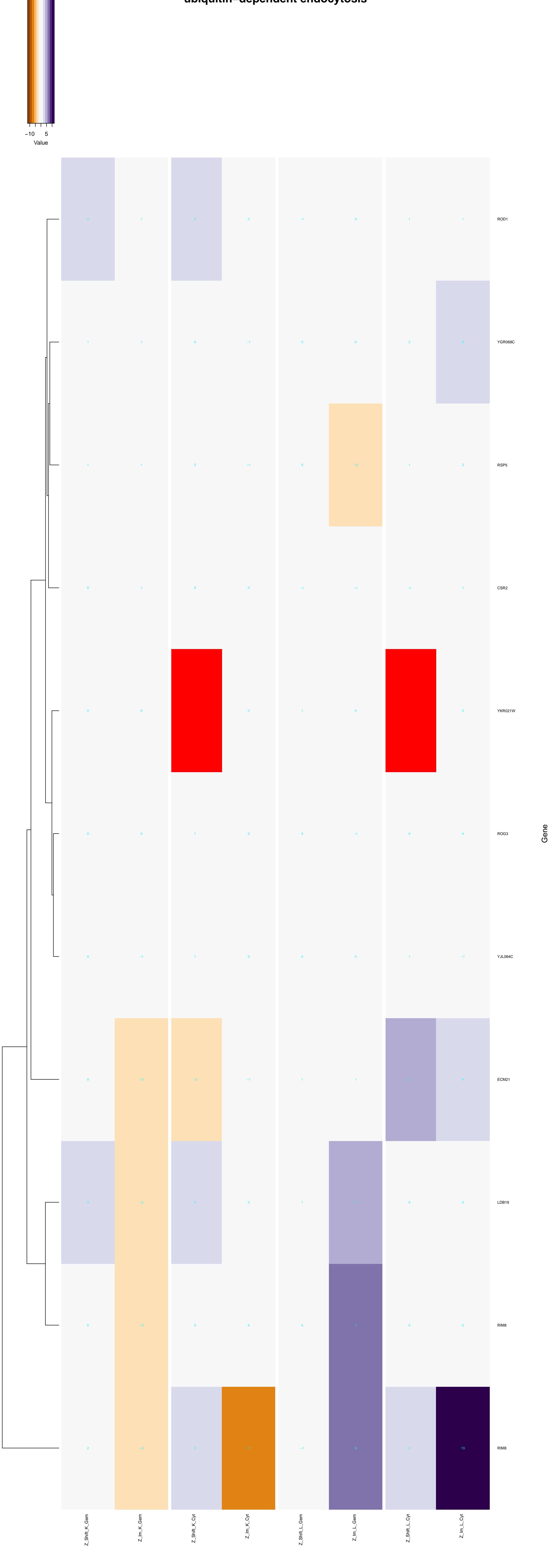
Golgi to plasma membrane protein transport

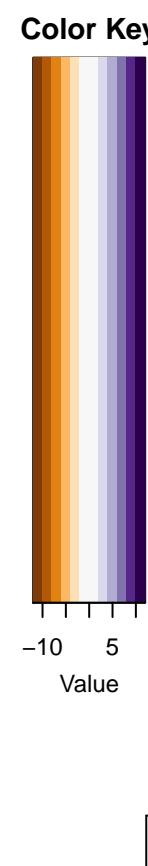


Color Key

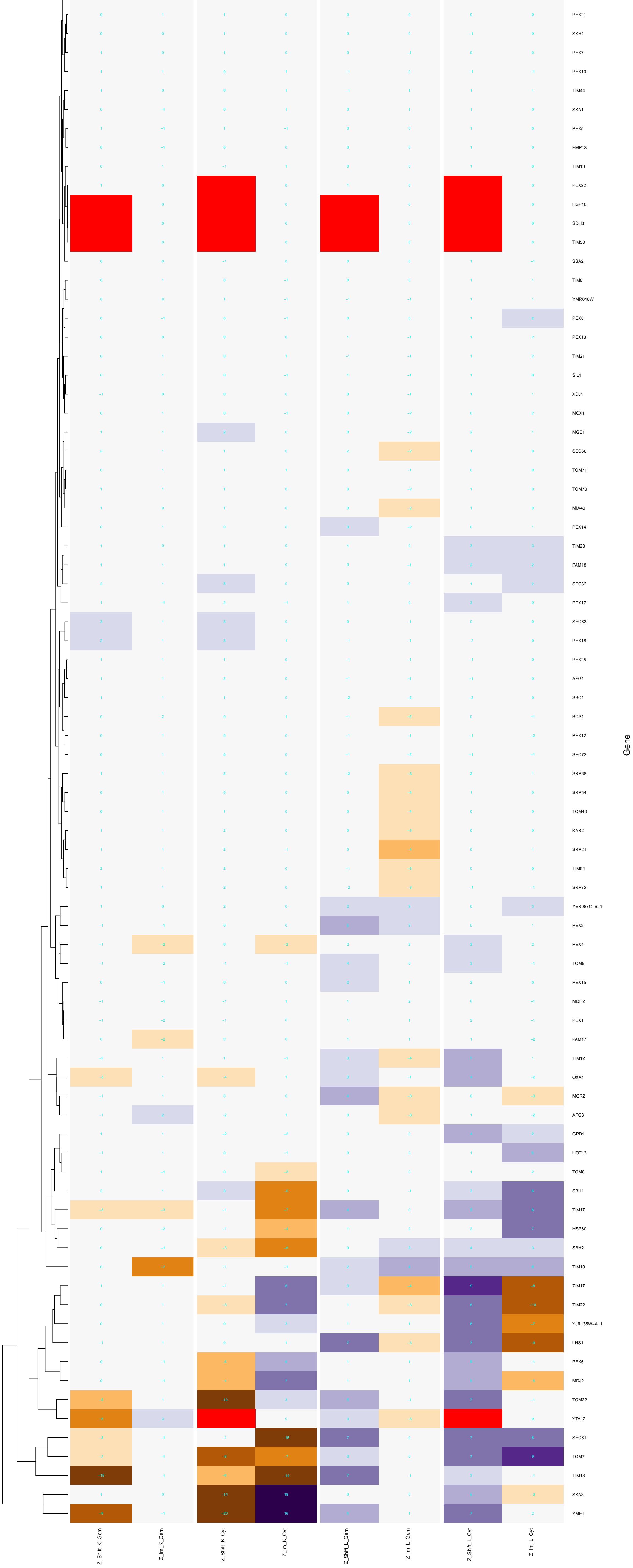


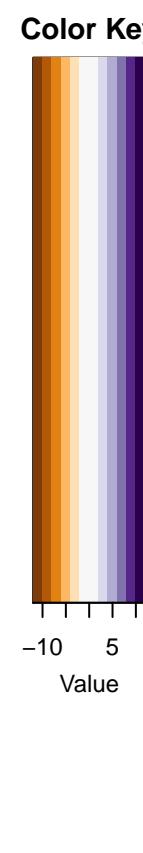
ubiquitin-dependent endocytosis



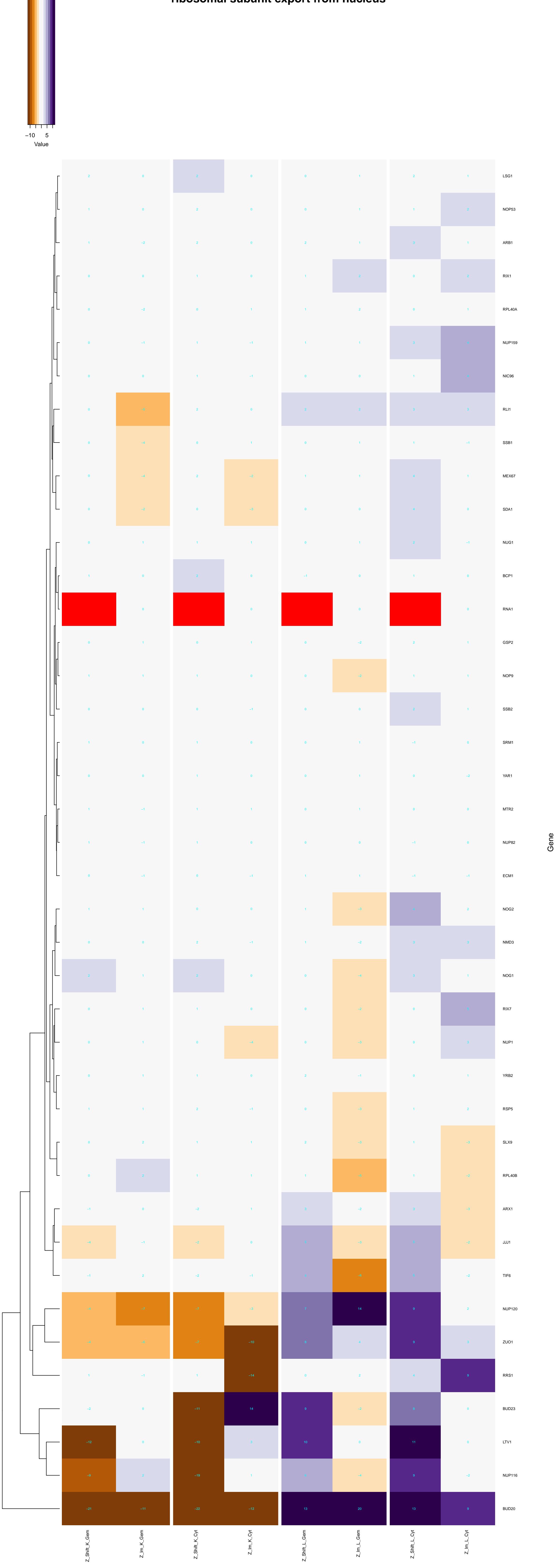


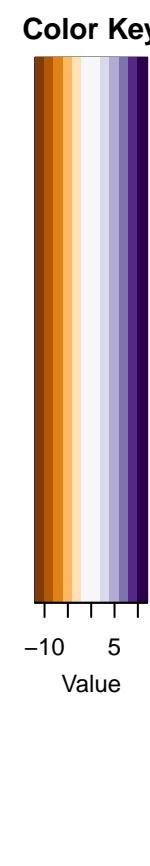
protein transmembrane transport



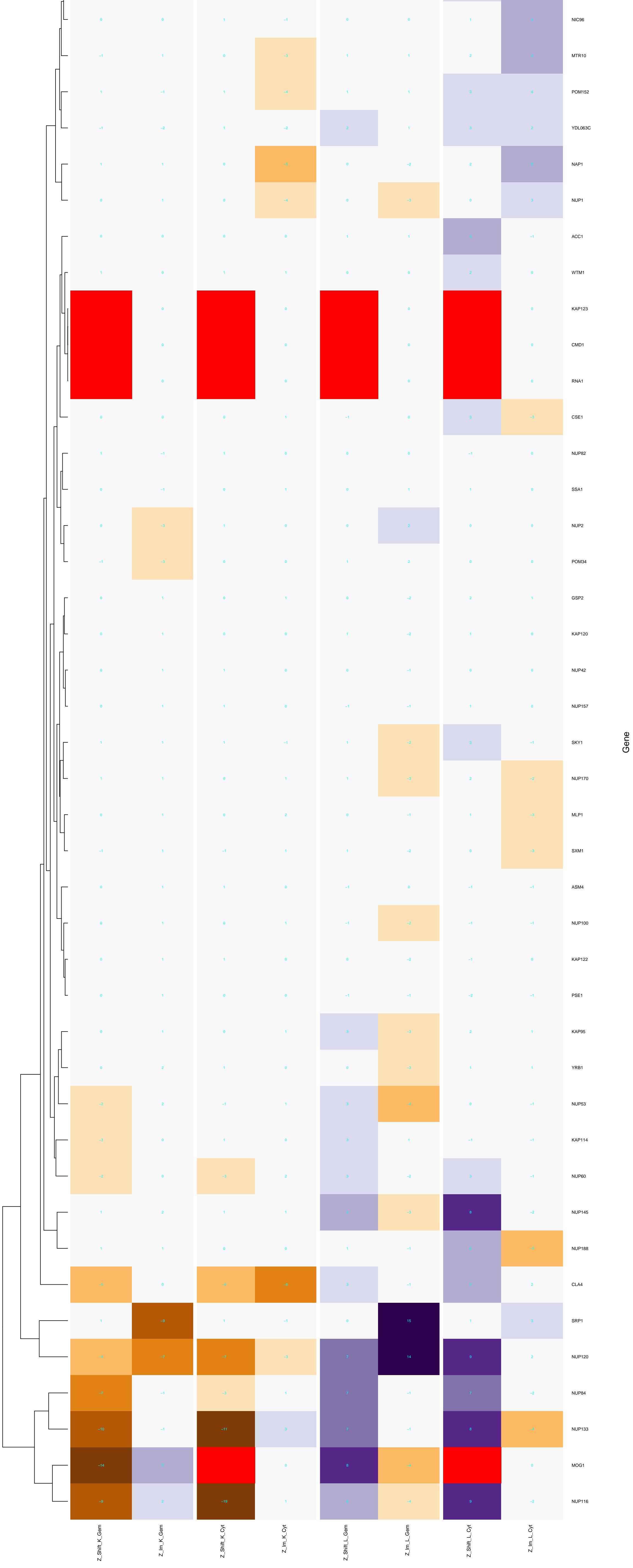


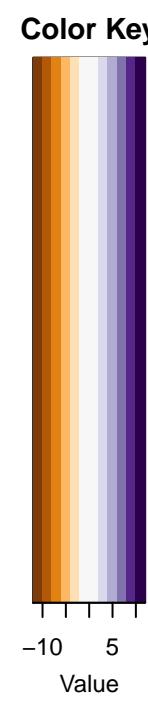
ribosomal subunit export from nucleus



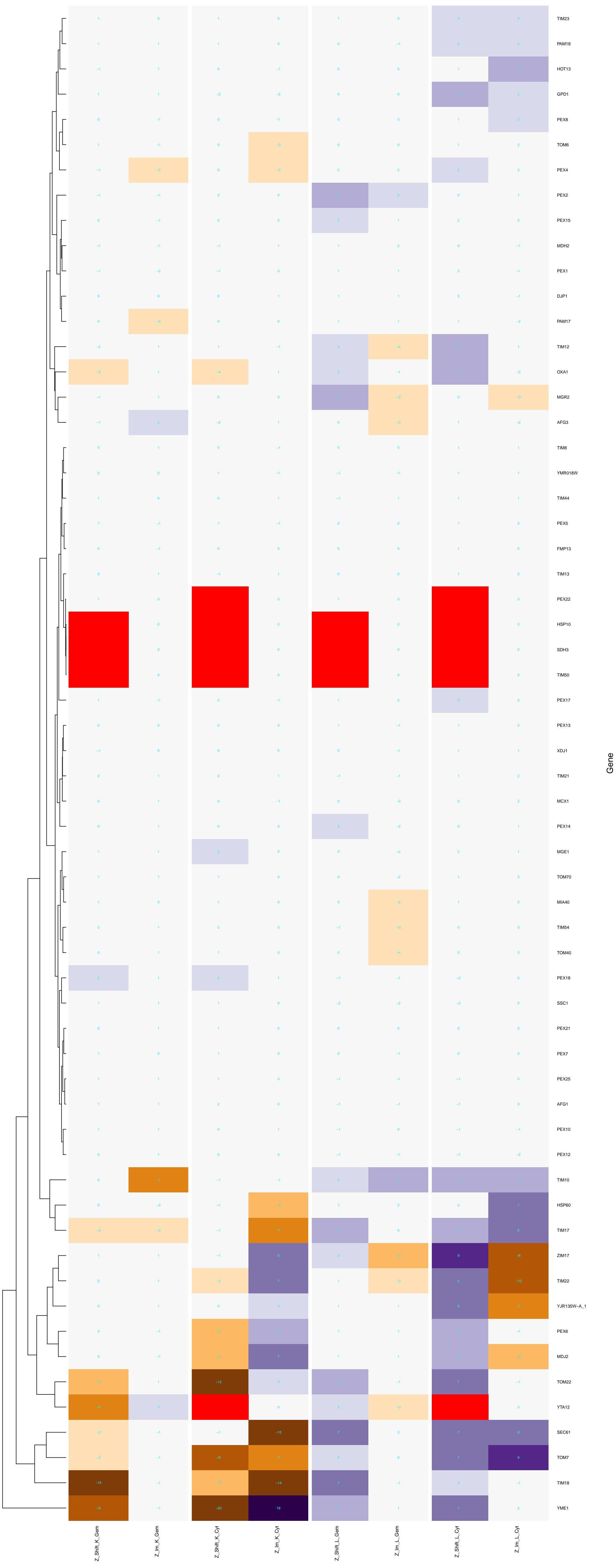


protein import into nucleus





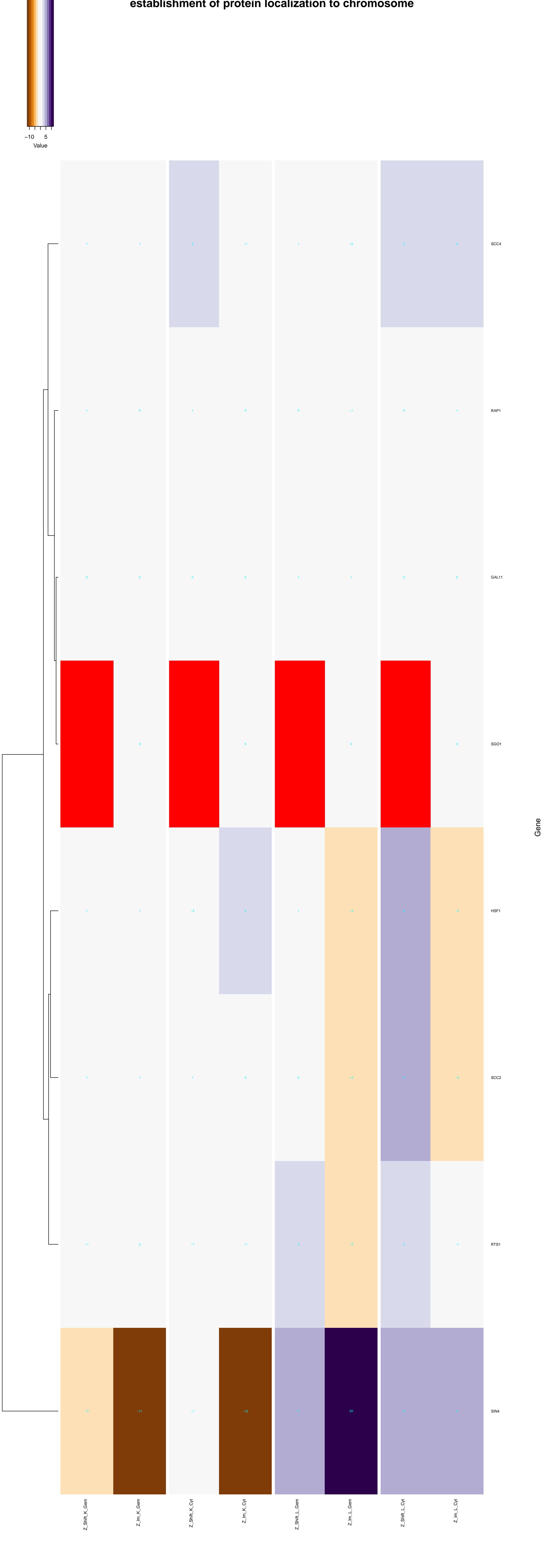
intracellular protein transmembrane import

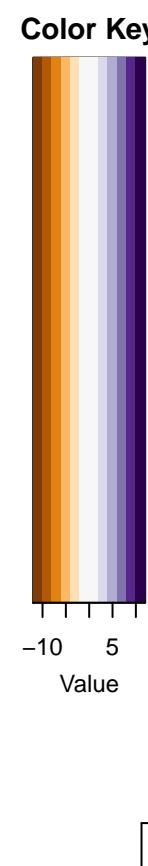


Color Key

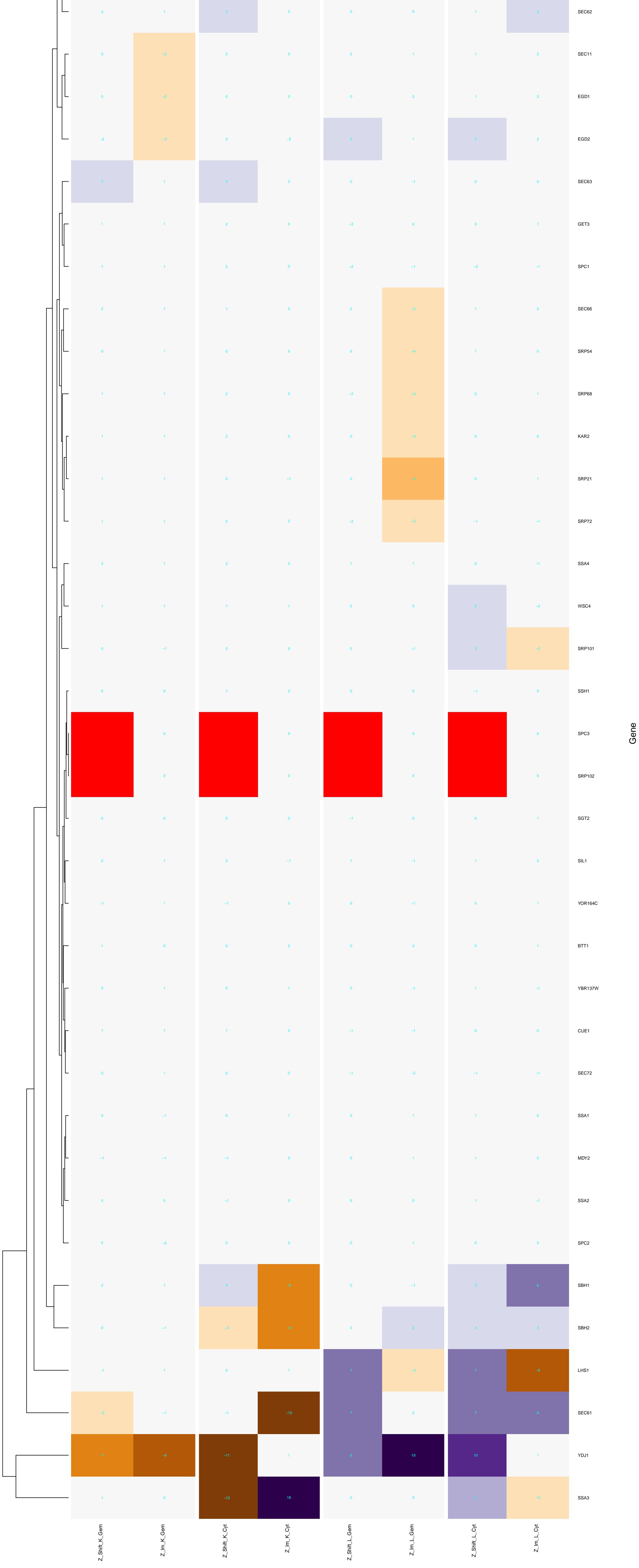


establishment of protein localization to chromosome



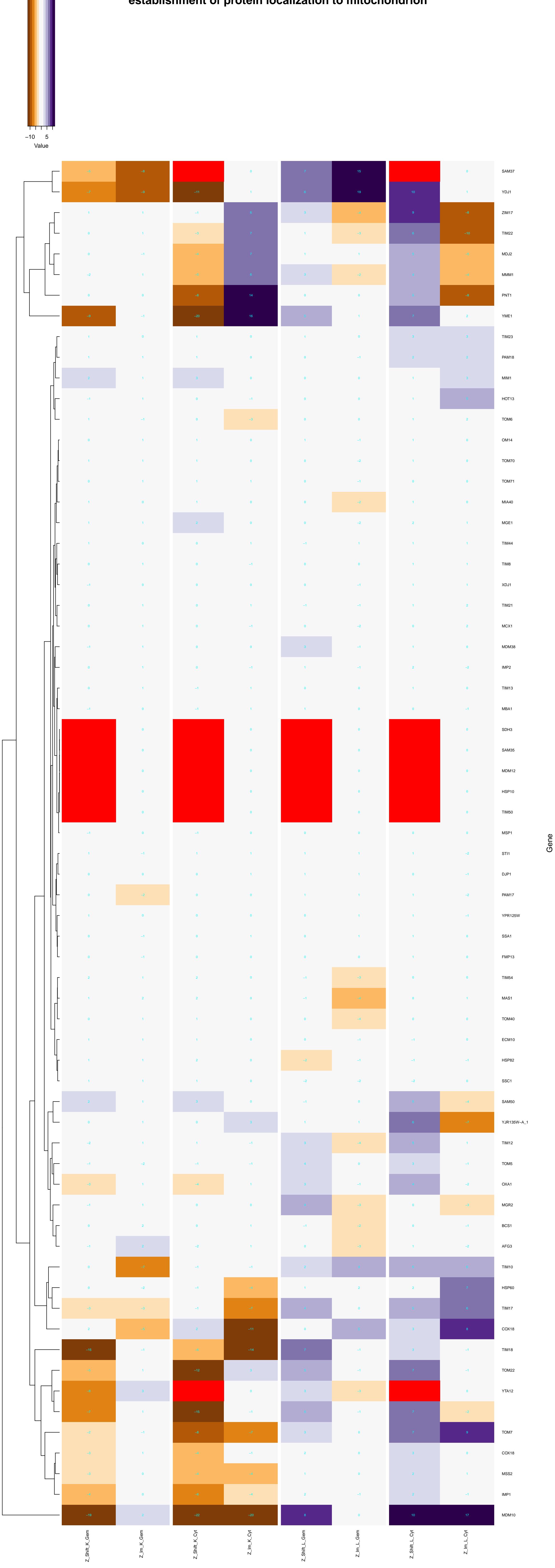


establishment of protein localization to endoplasmic reticulum

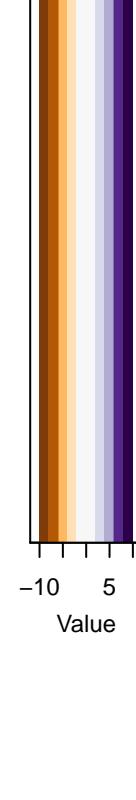


Color Key

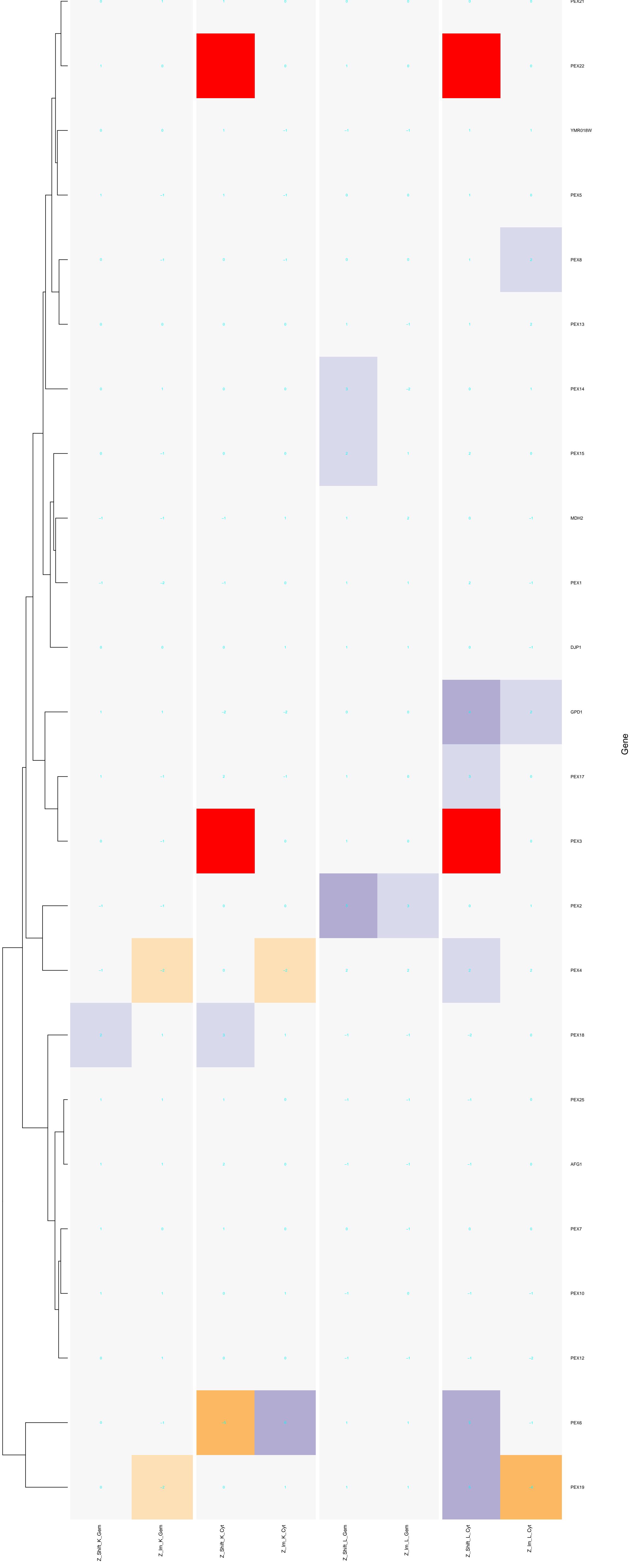
establishment of protein localization to mitochondrion

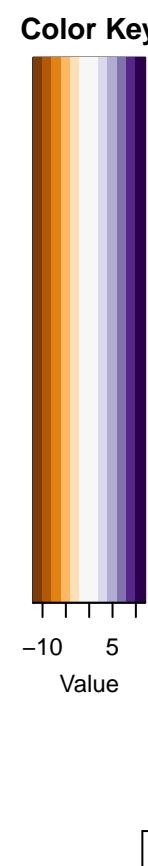


Color Key

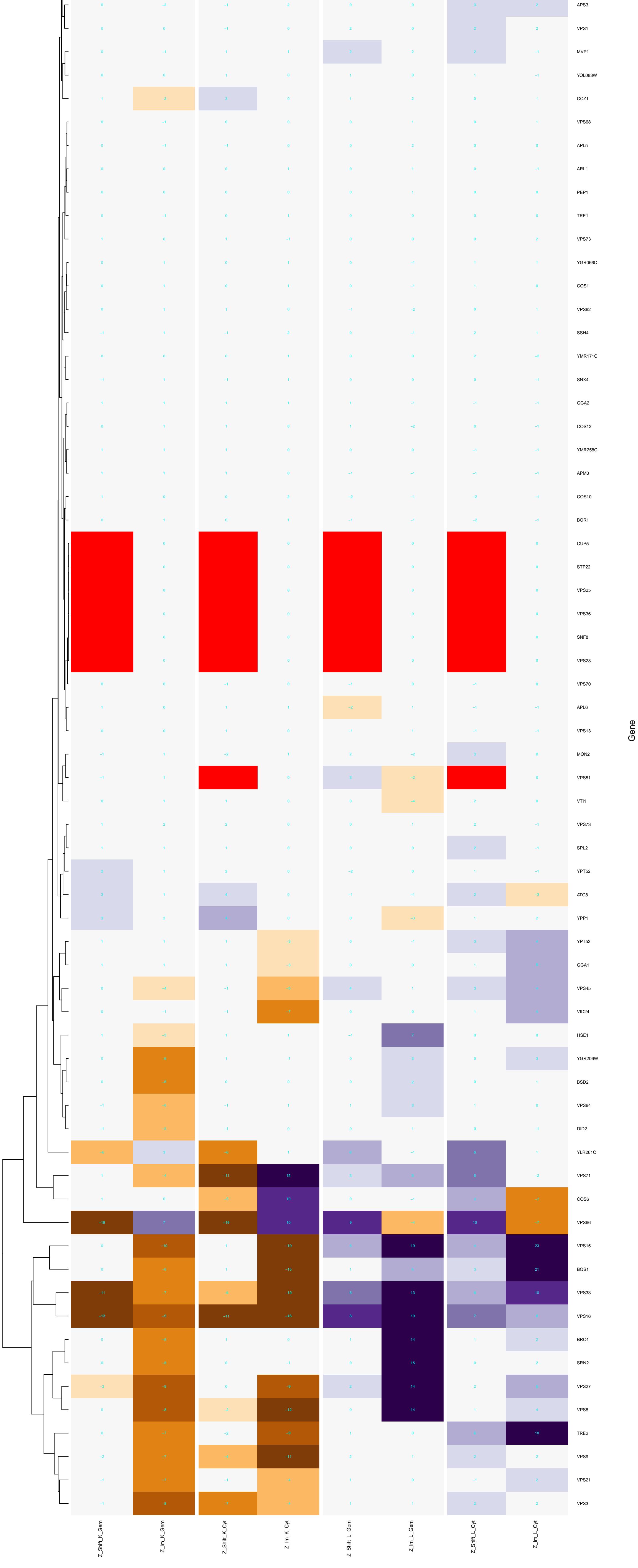


establishment of protein localization to peroxisome



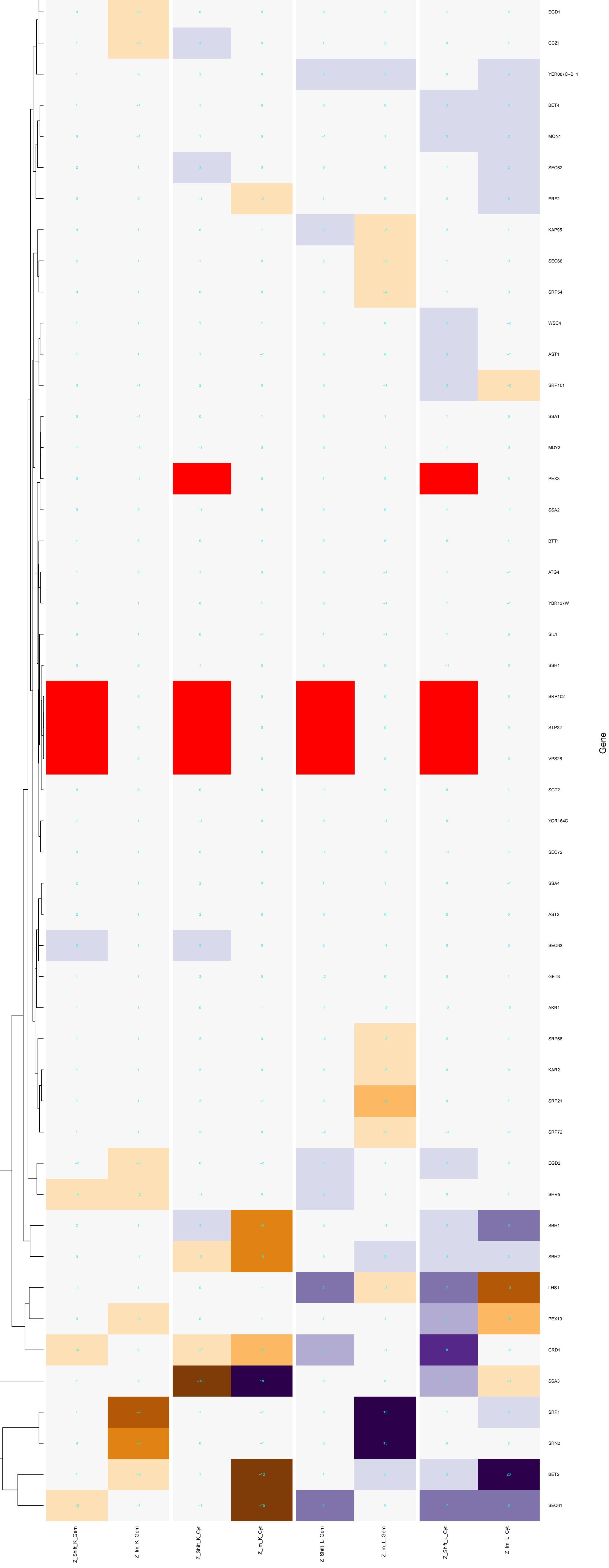


establishment of protein localization to vacuole



protein targeting to membrane

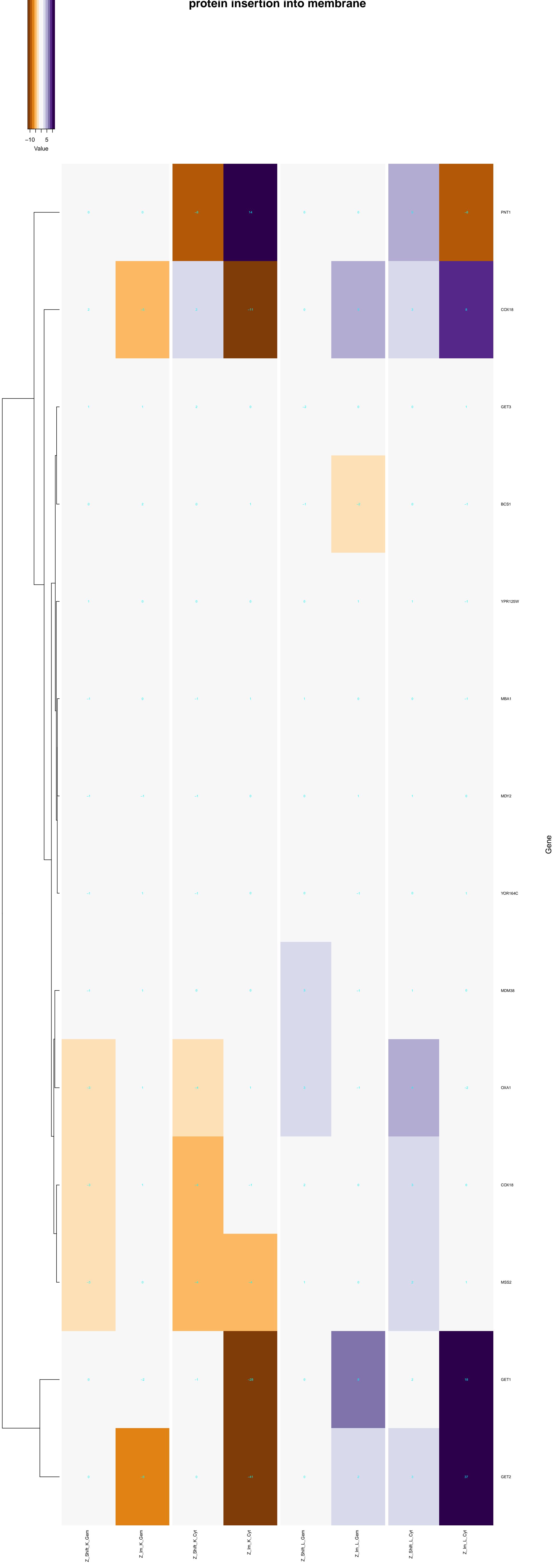
Color Key

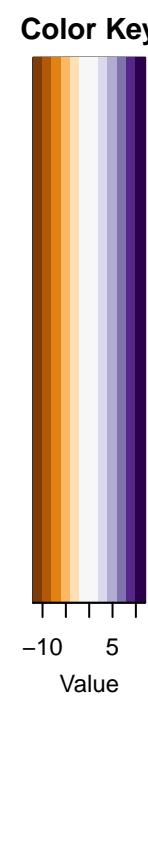


Color Key

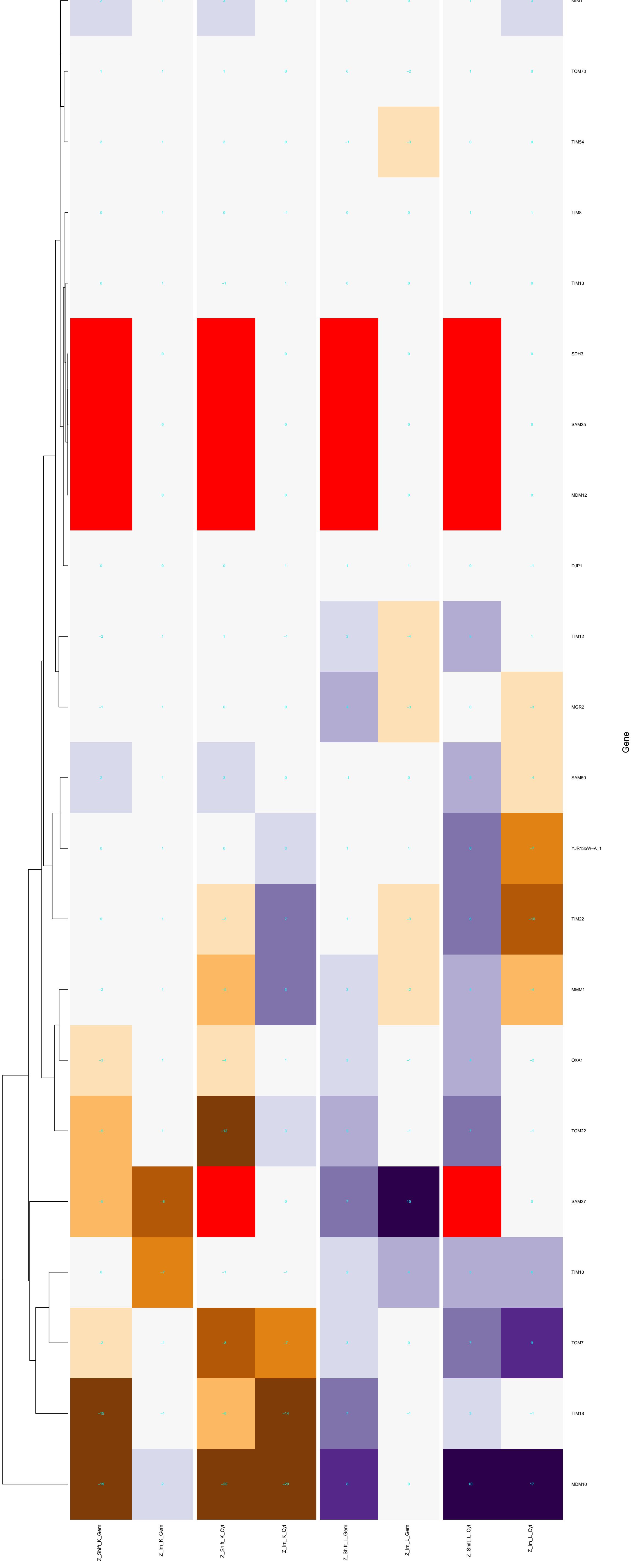


protein insertion into membrane

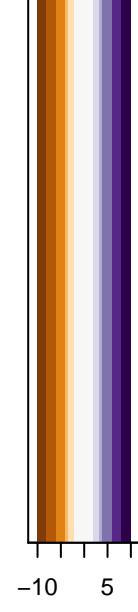




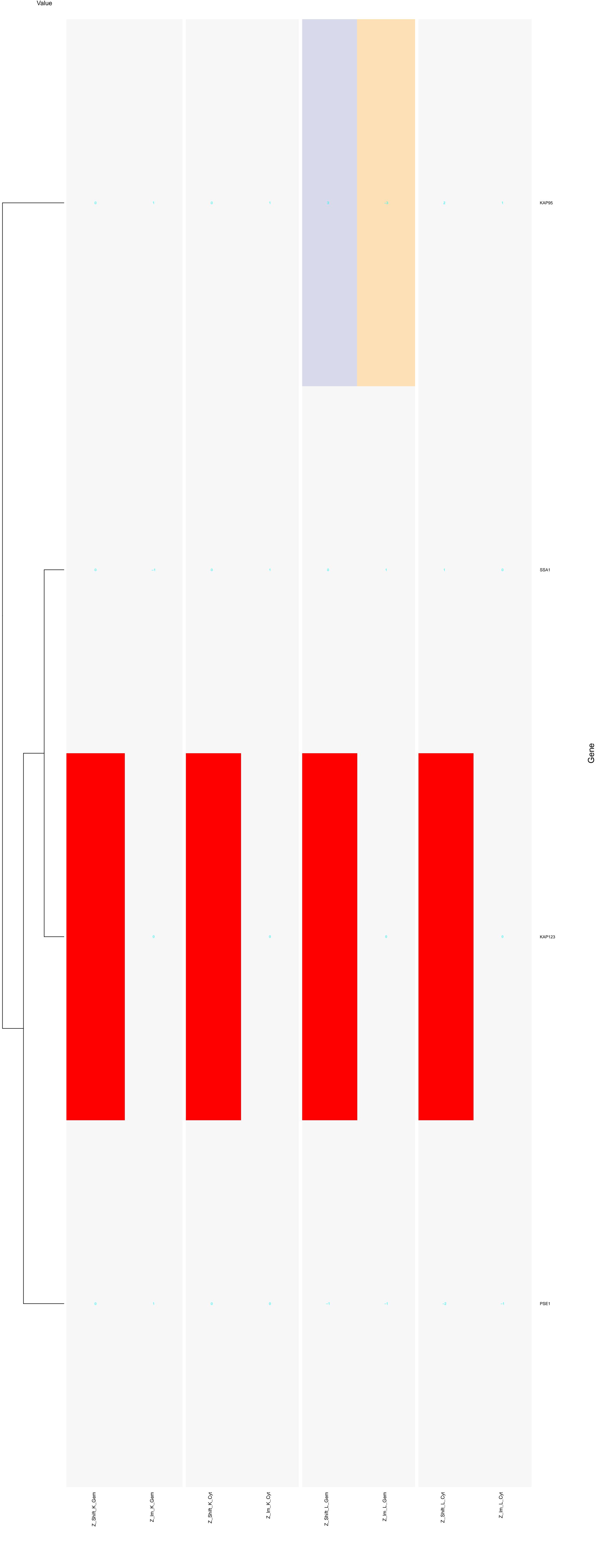
establishment of protein localization to mitochondrial membrane



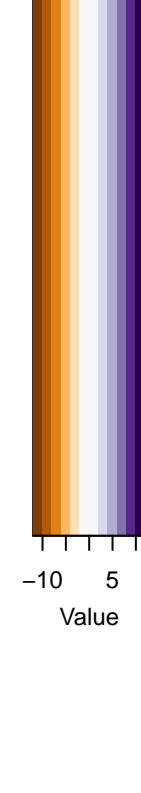
Color Key



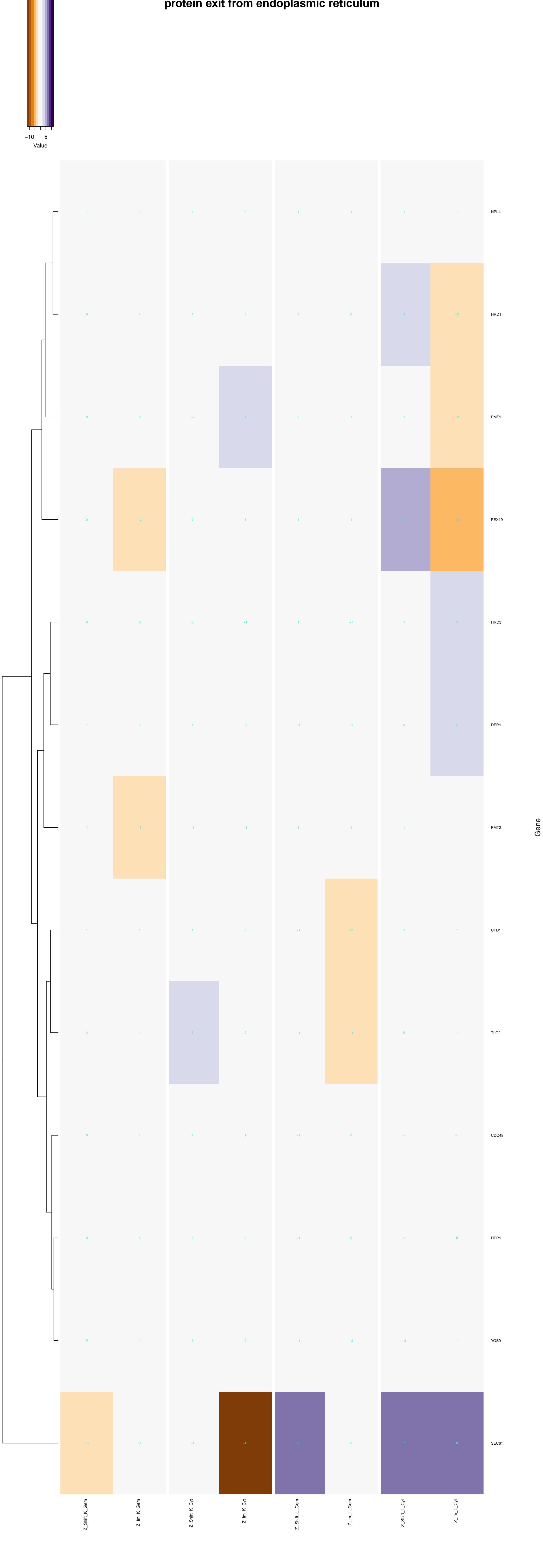
protein import into nucleus, translocation



Color Key

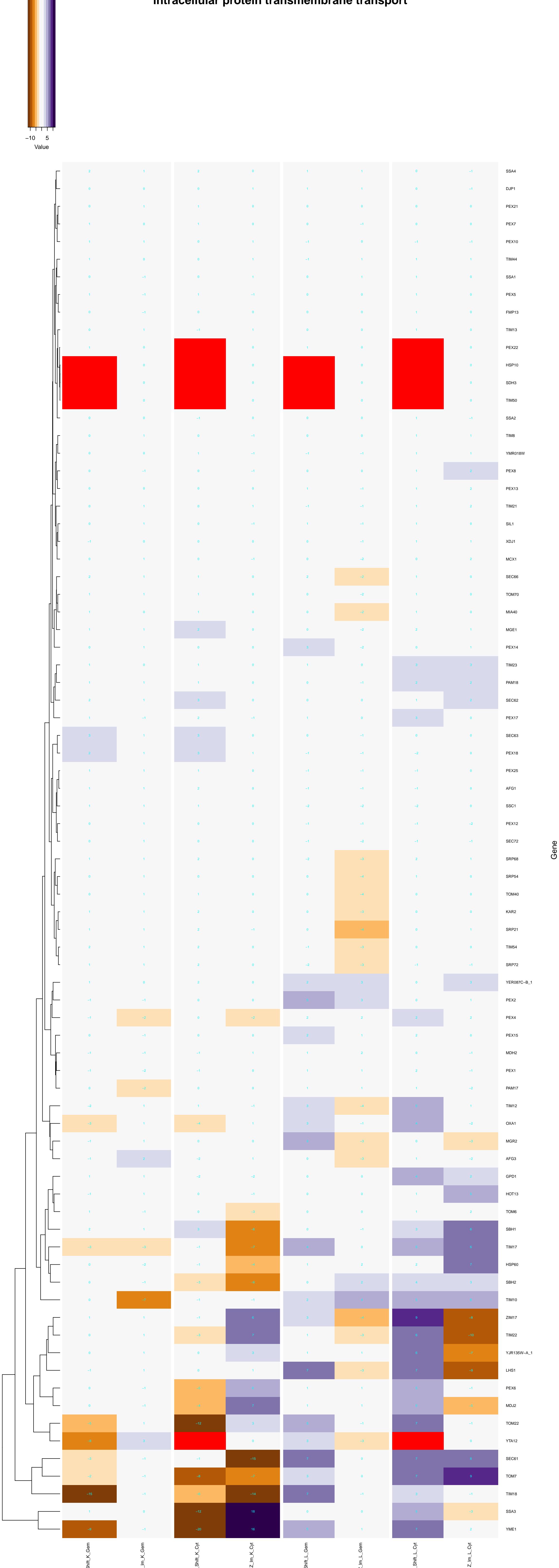


protein exit from endoplasmic reticulum

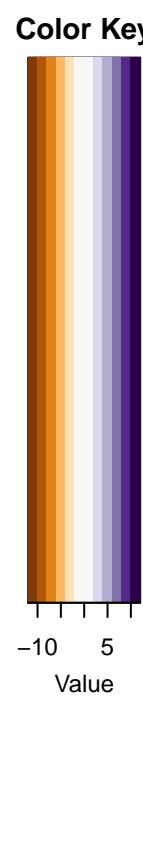


Color Key

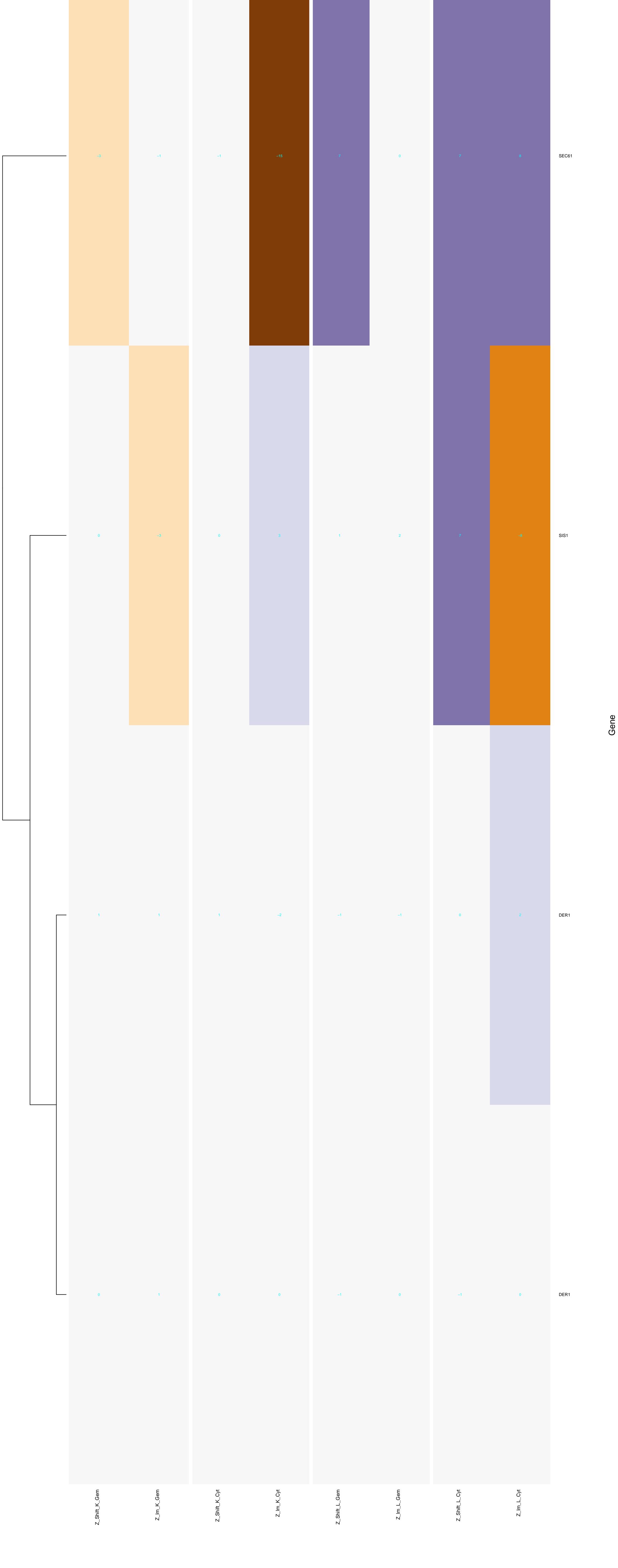
intracellular protein transmembrane transport



Color Key

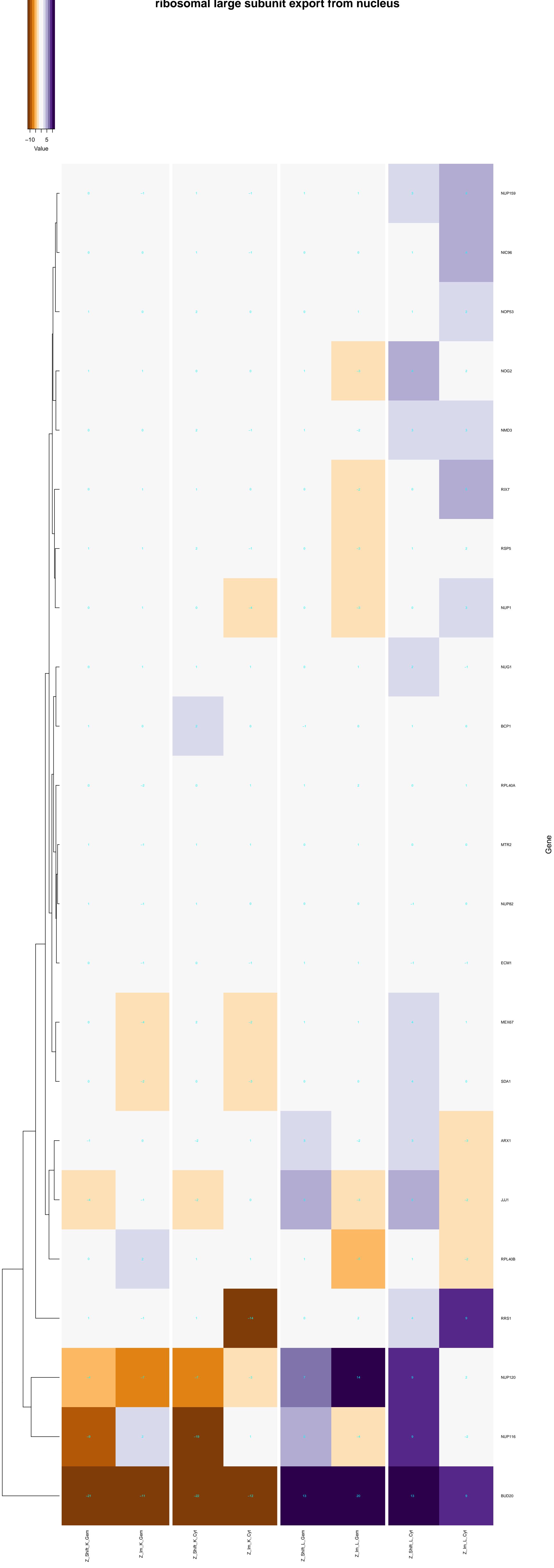


misfolded protein transport



Color Key

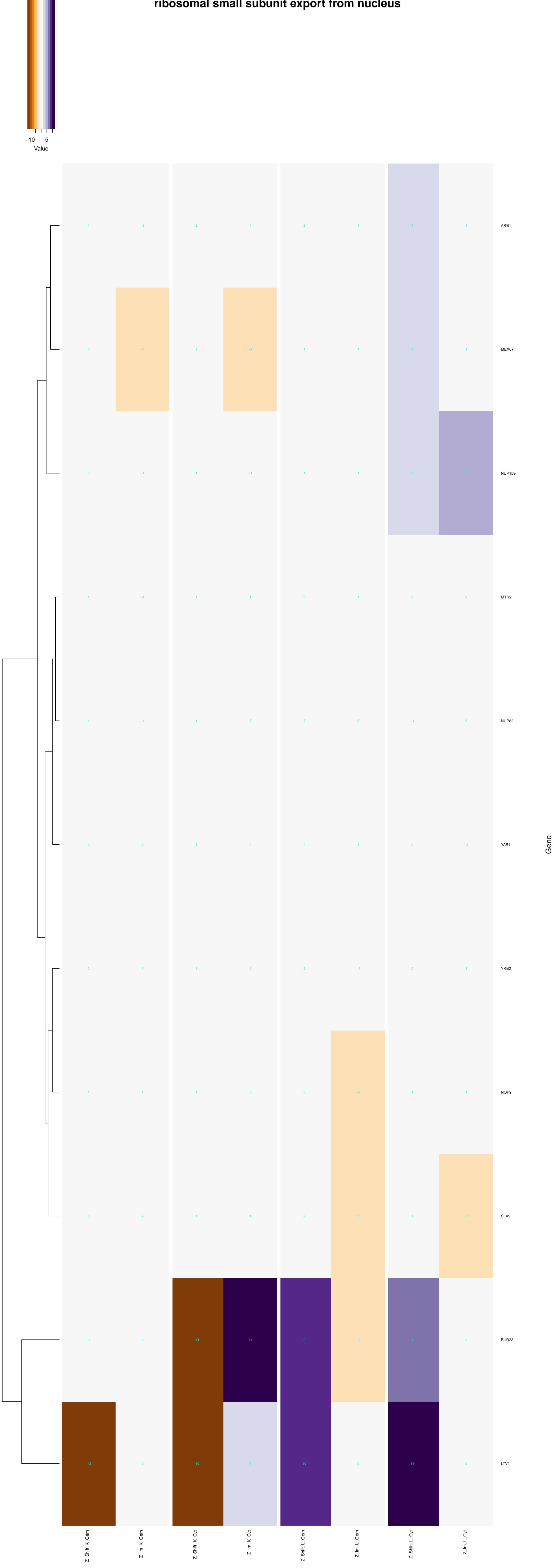
ribosomal large subunit export from nucleus



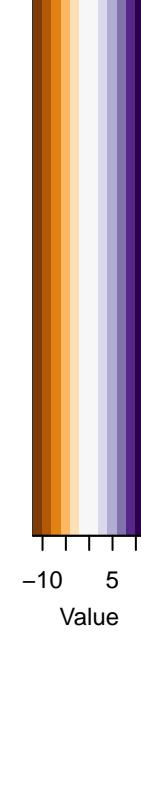
Color Key



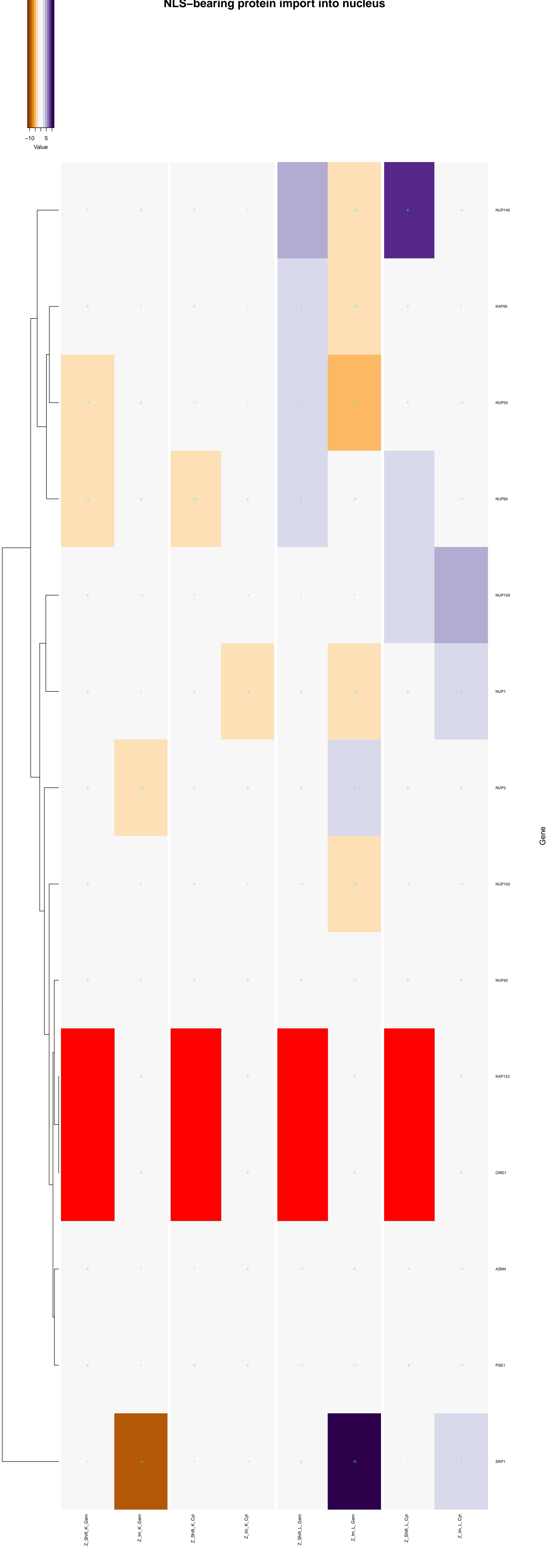
ribosomal small subunit export from nucleus



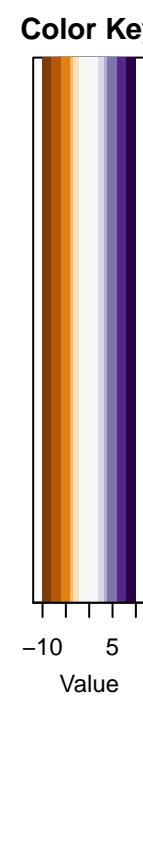
Color Key



NLS-bearing protein import into nucleus



Color Key



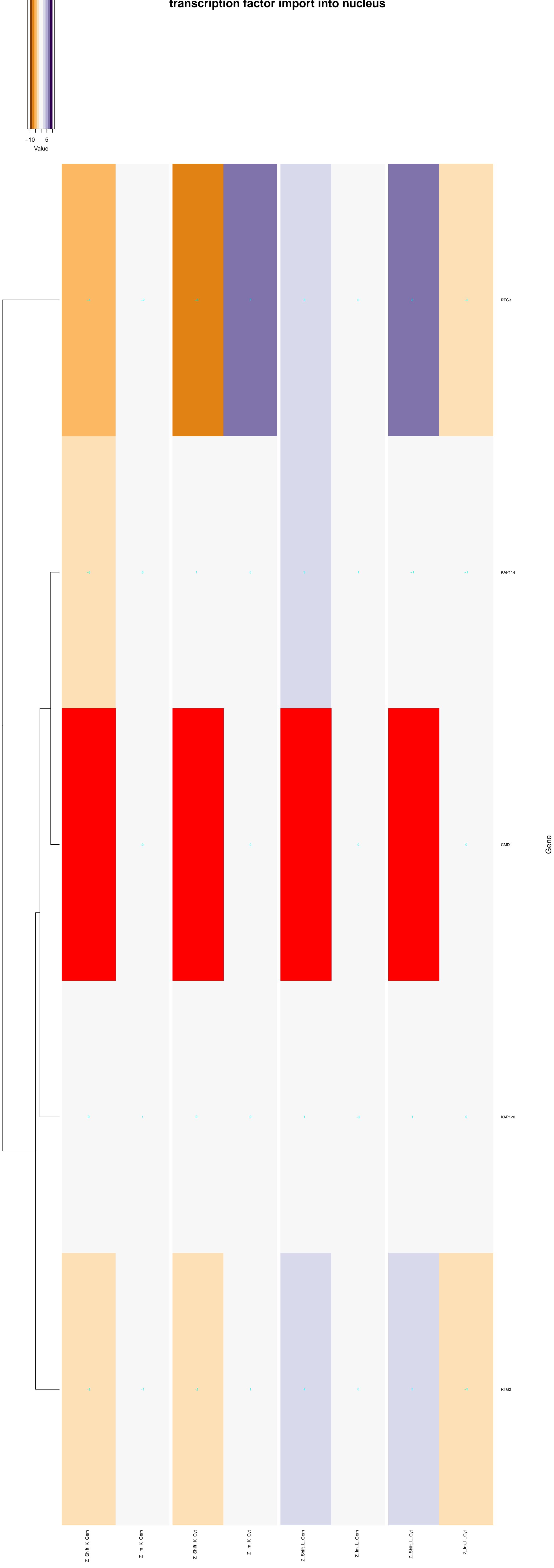
ribosomal protein import into nucleus

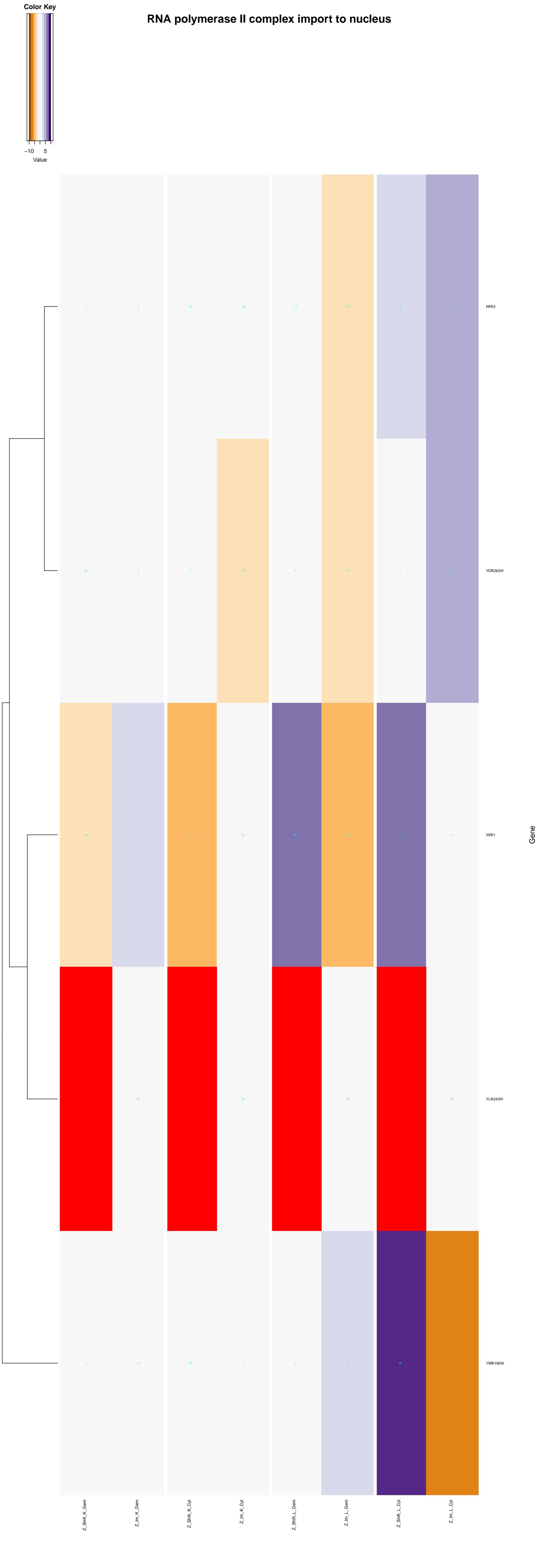


Color Key

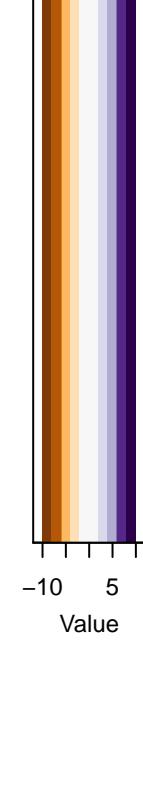


transcription factor import into nucleus

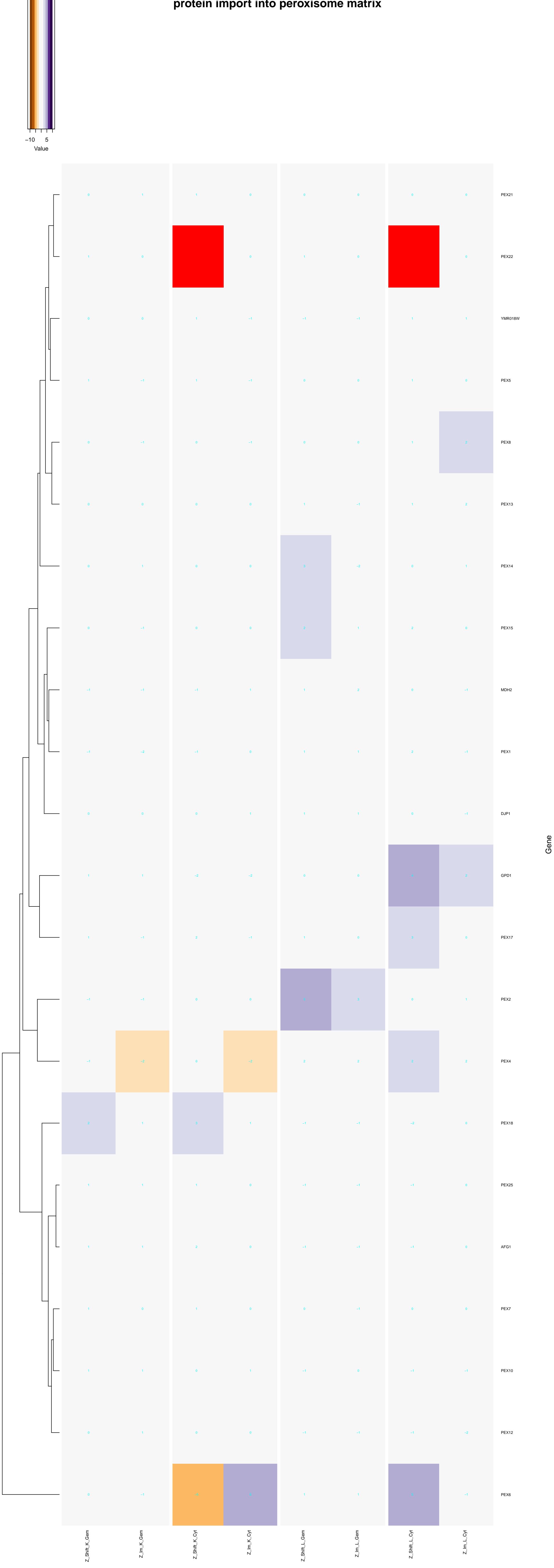


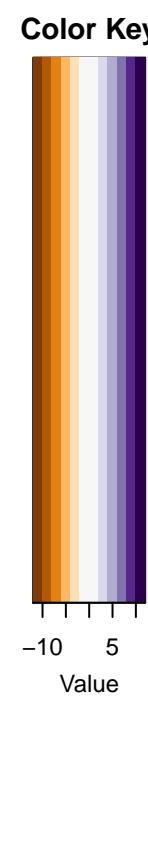


Color Key

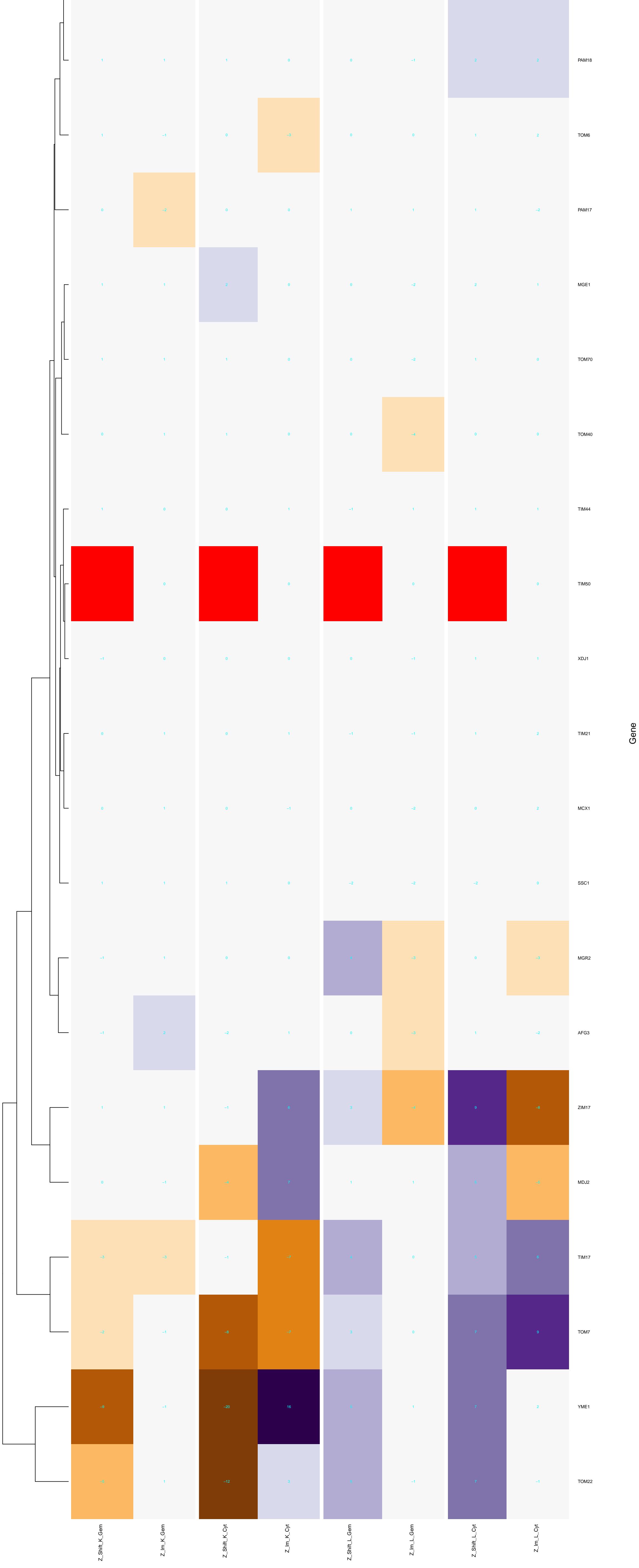


protein import into peroxisome matrix





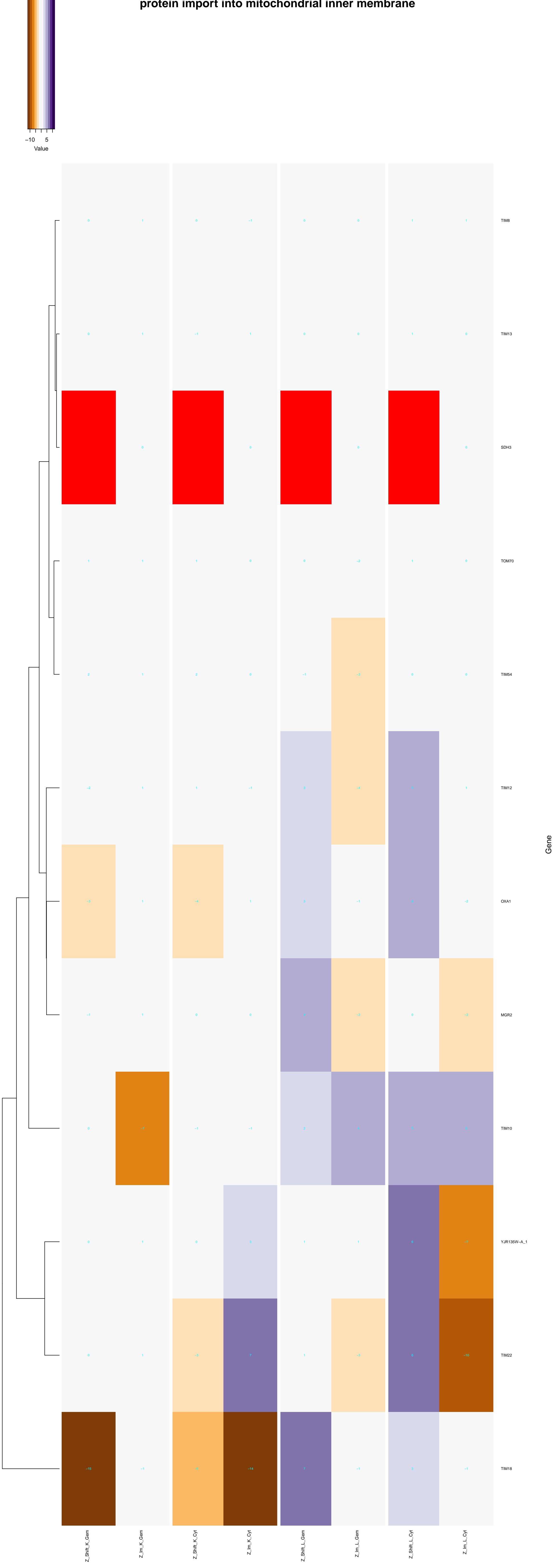
protein import into mitochondrial matrix



Color Key



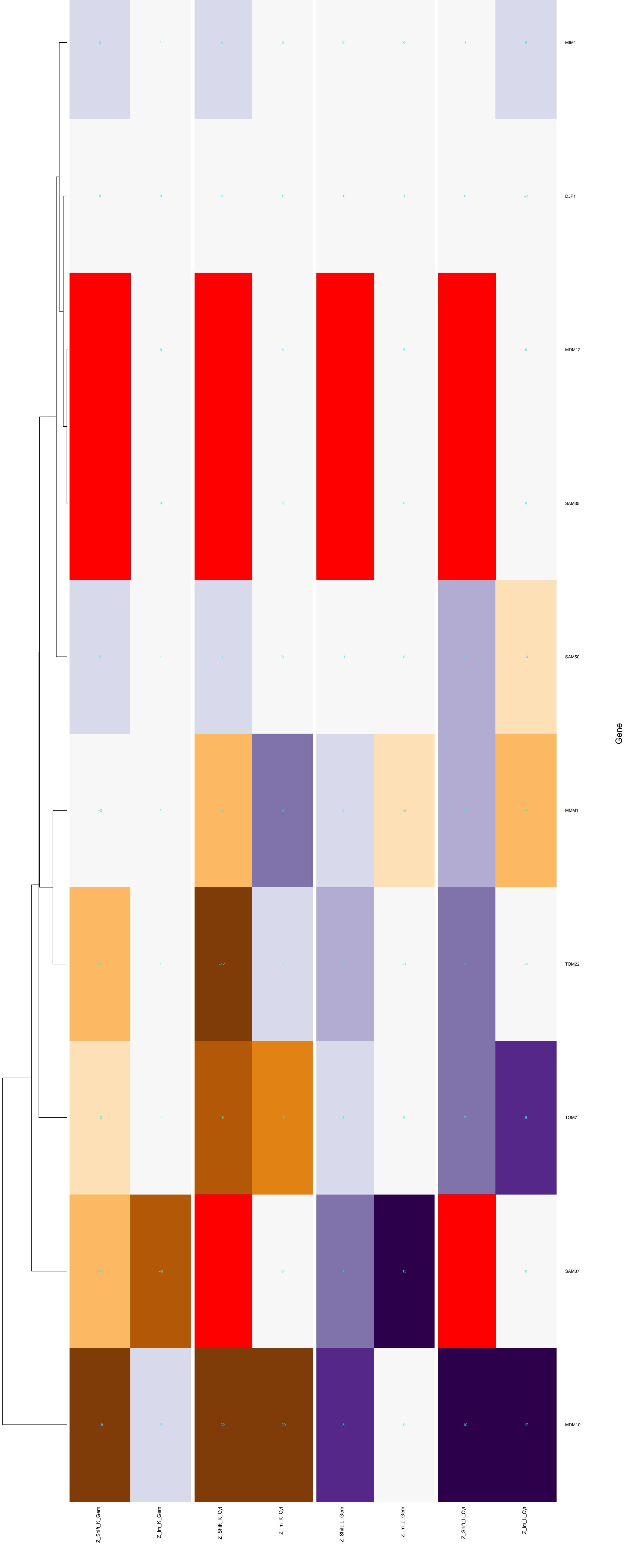
protein import into mitochondrial inner membrane



Color Key



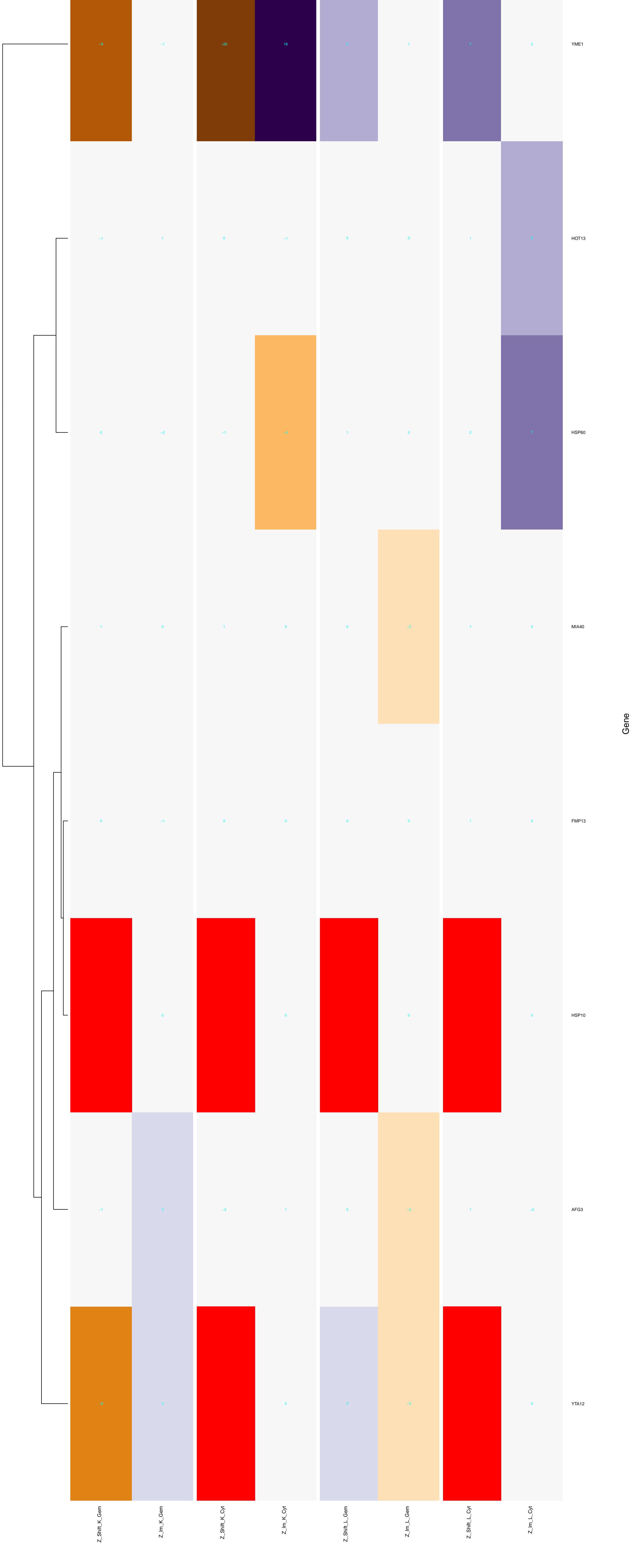
protein import into mitochondrial outer membrane



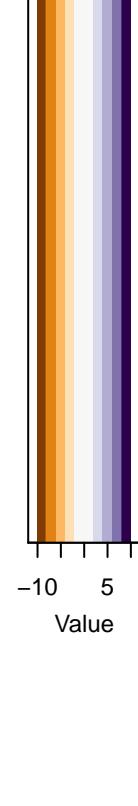
Color Key



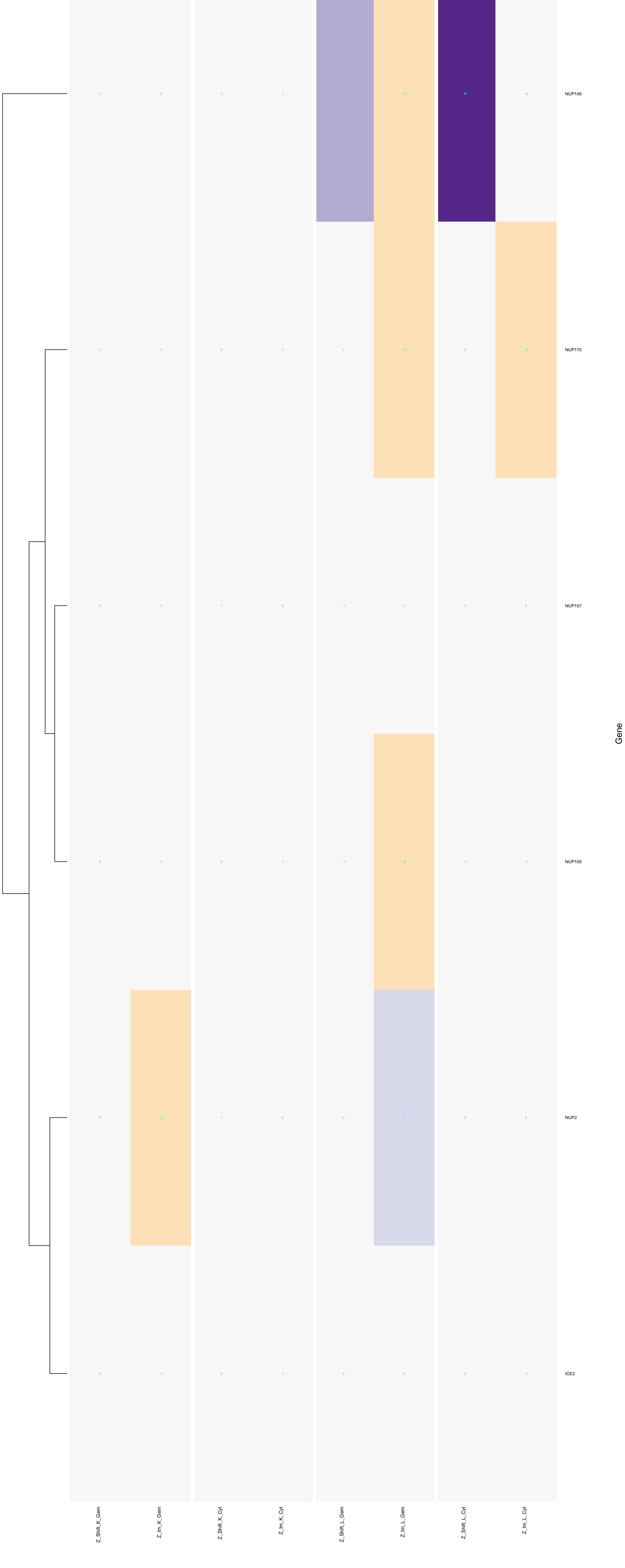
protein import into mitochondrial intermembrane space



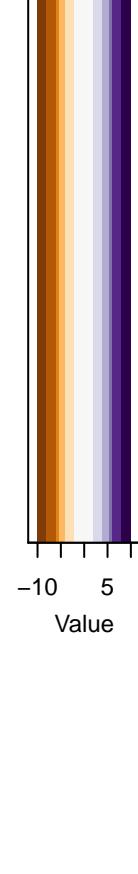
Color Key



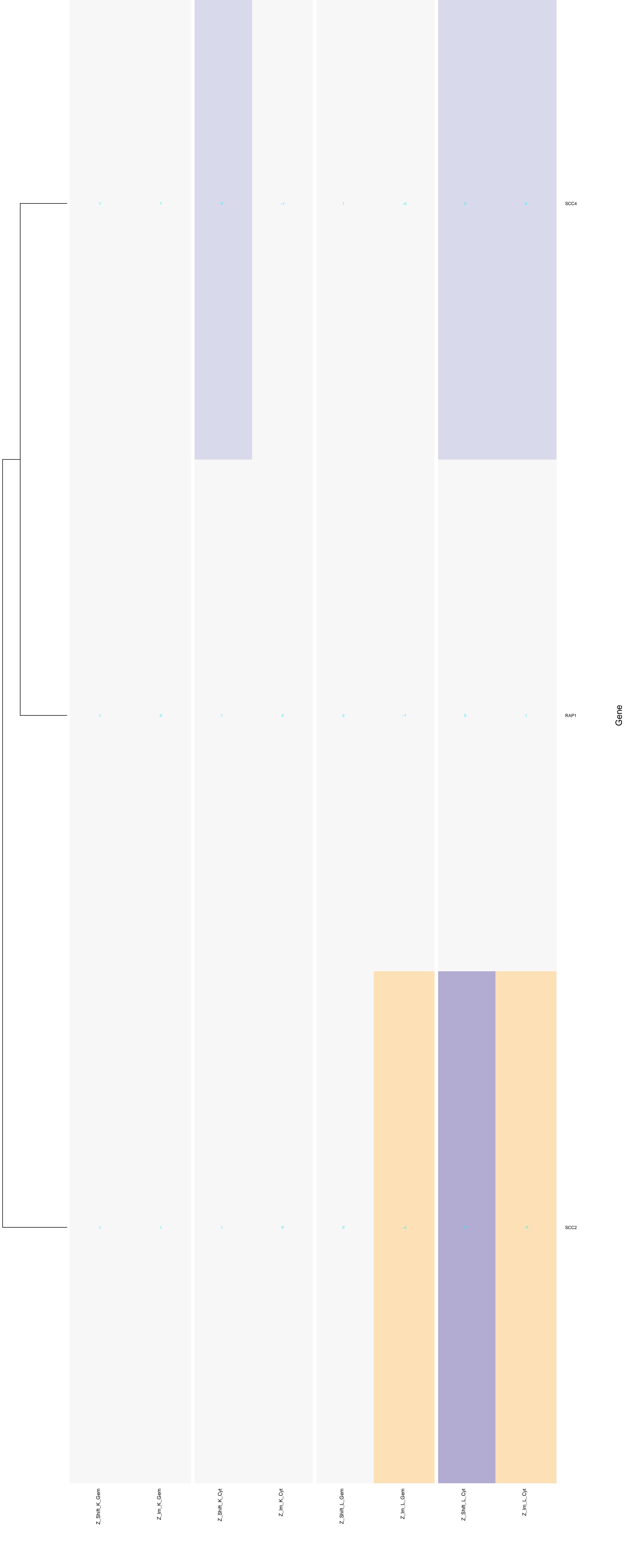
protein targeting to nuclear inner membrane



Color Key



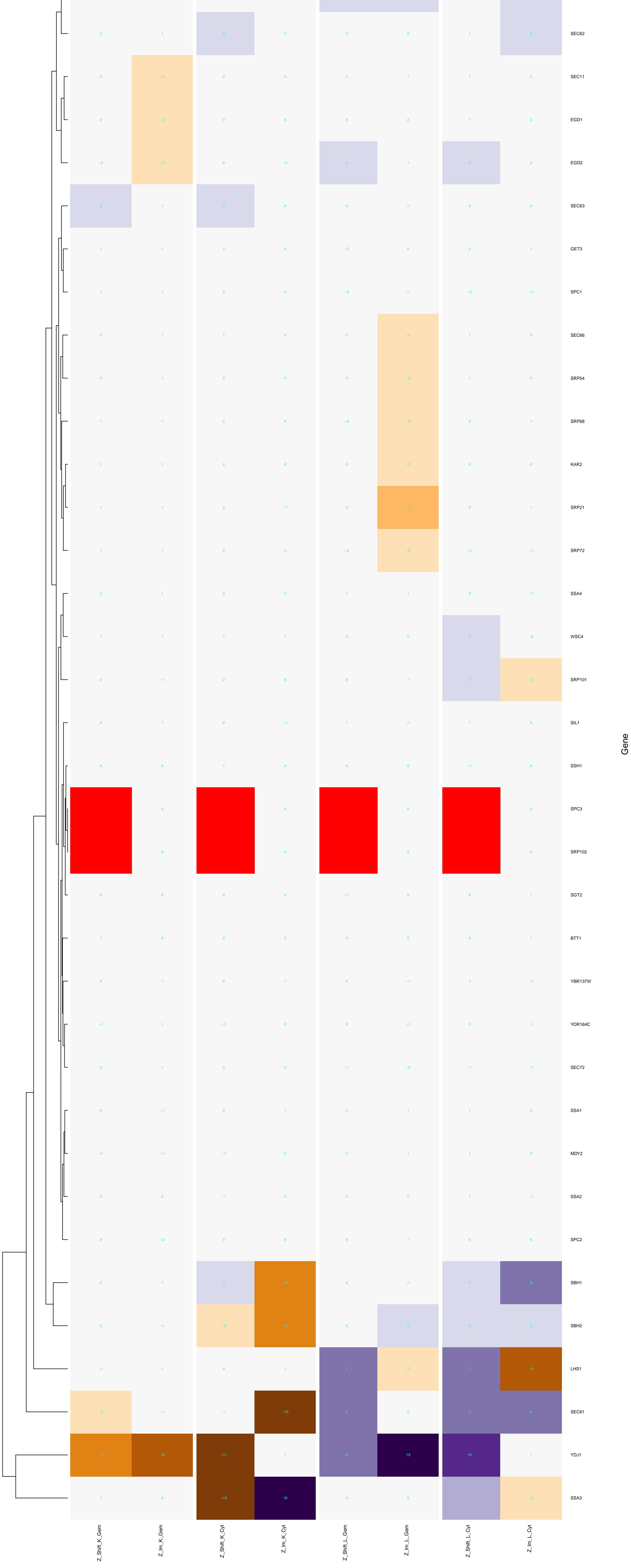
establishment of protein localization to chromatin

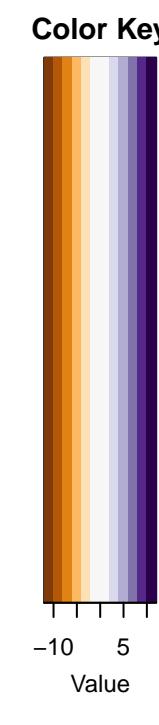


Color Key

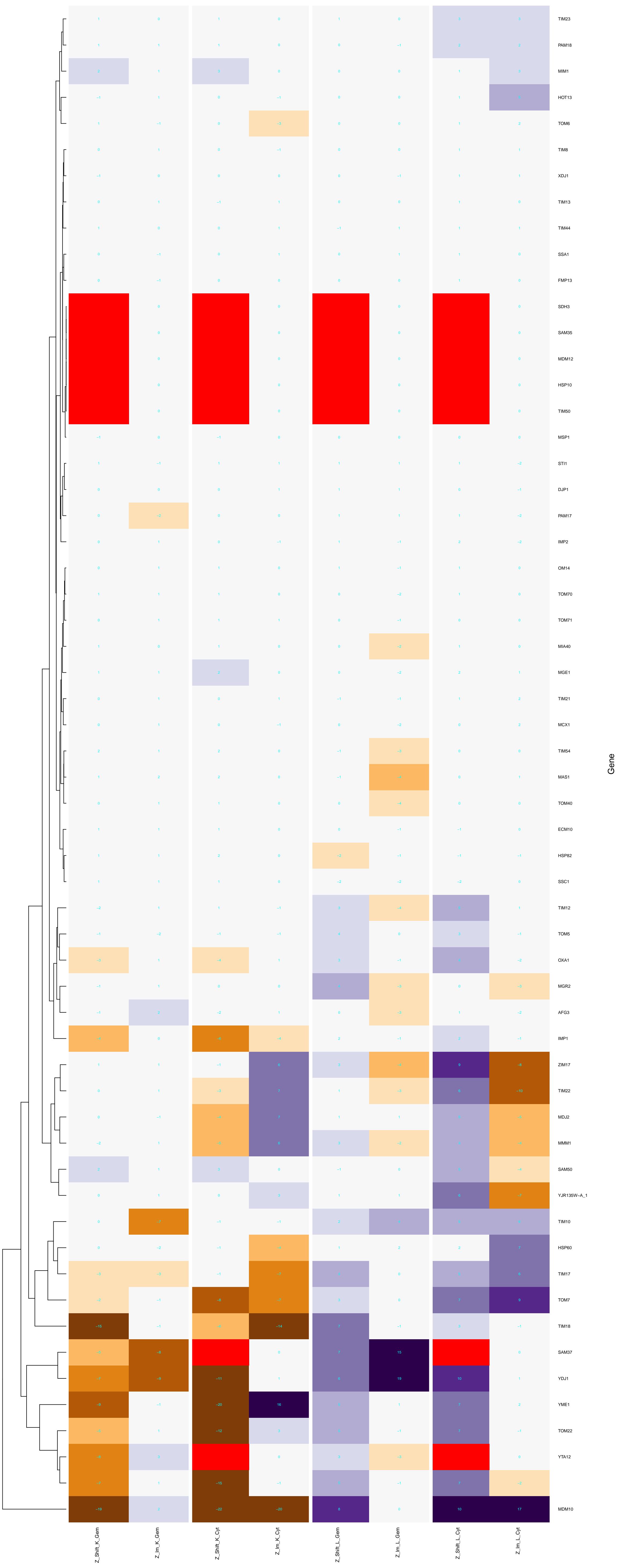


protein targeting to ER





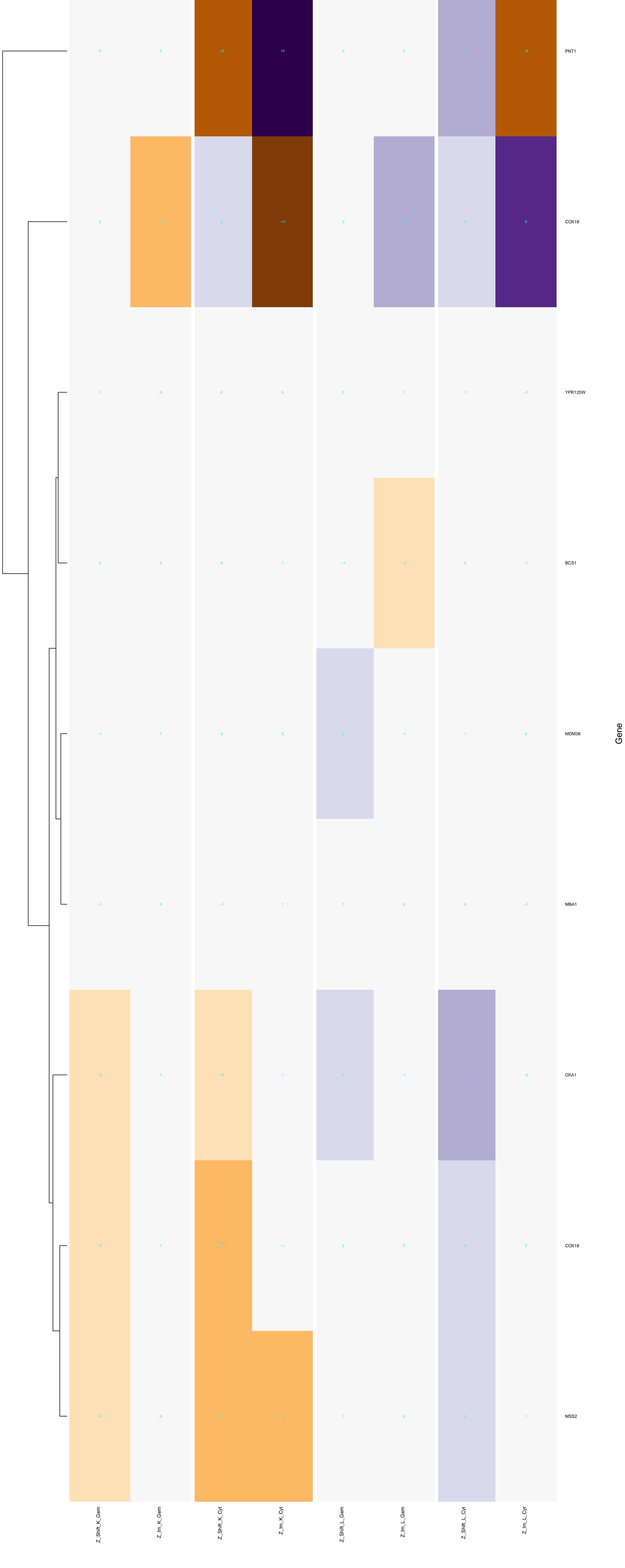
protein targeting to mitochondrion



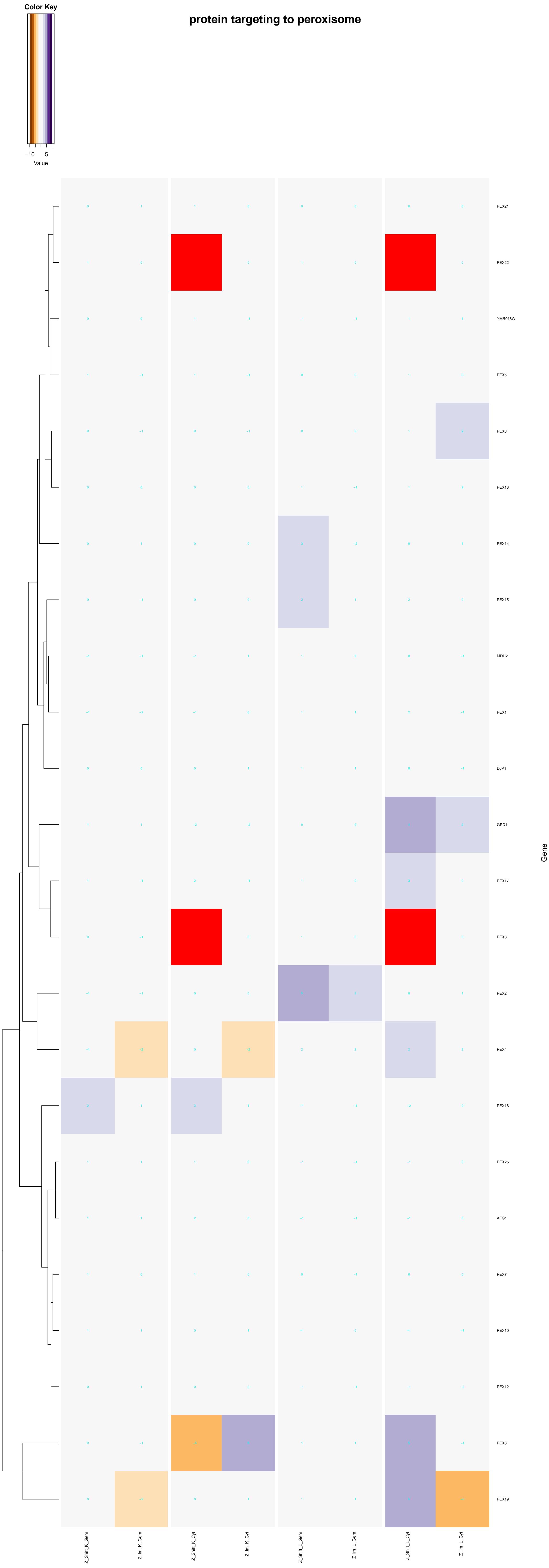
Color Key



protein insertion into mitochondrial membrane

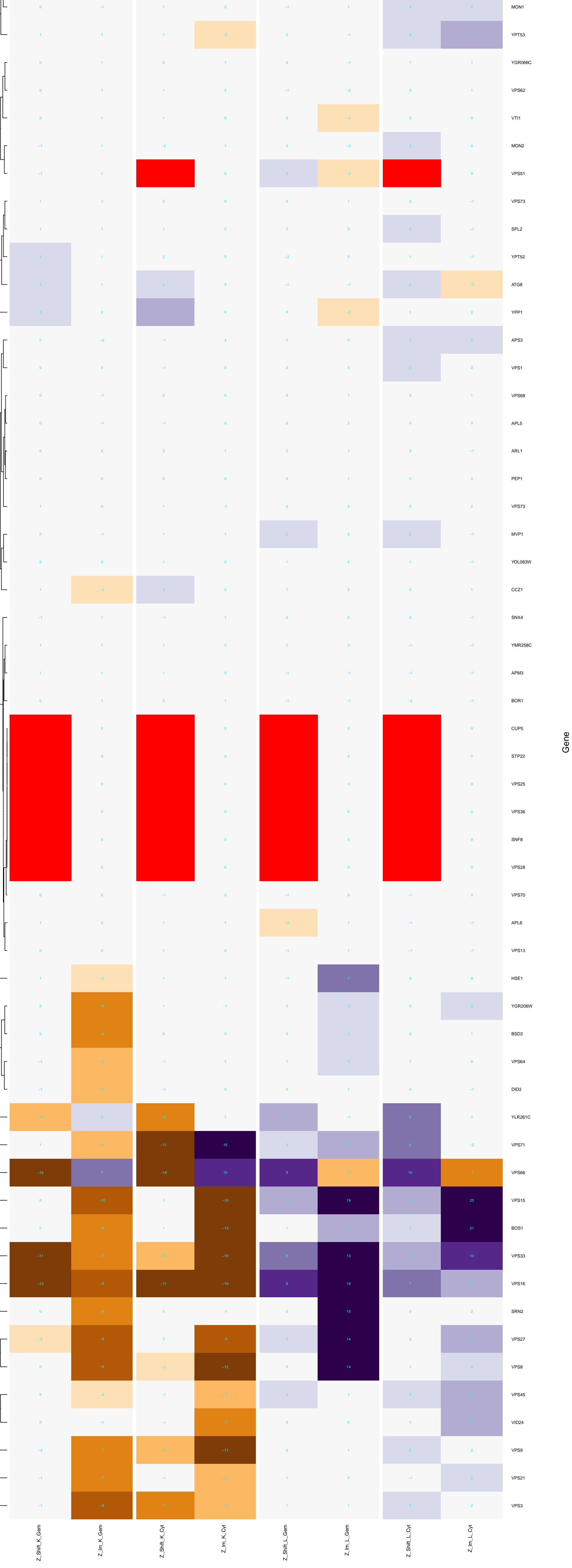
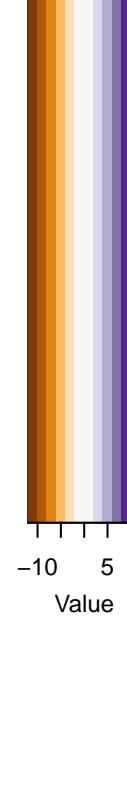


protein targeting to peroxisome

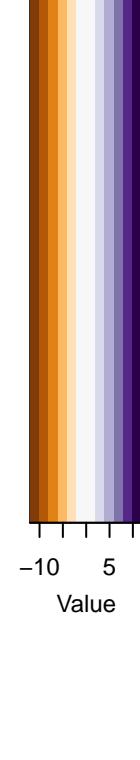


protein targeting to vacuole

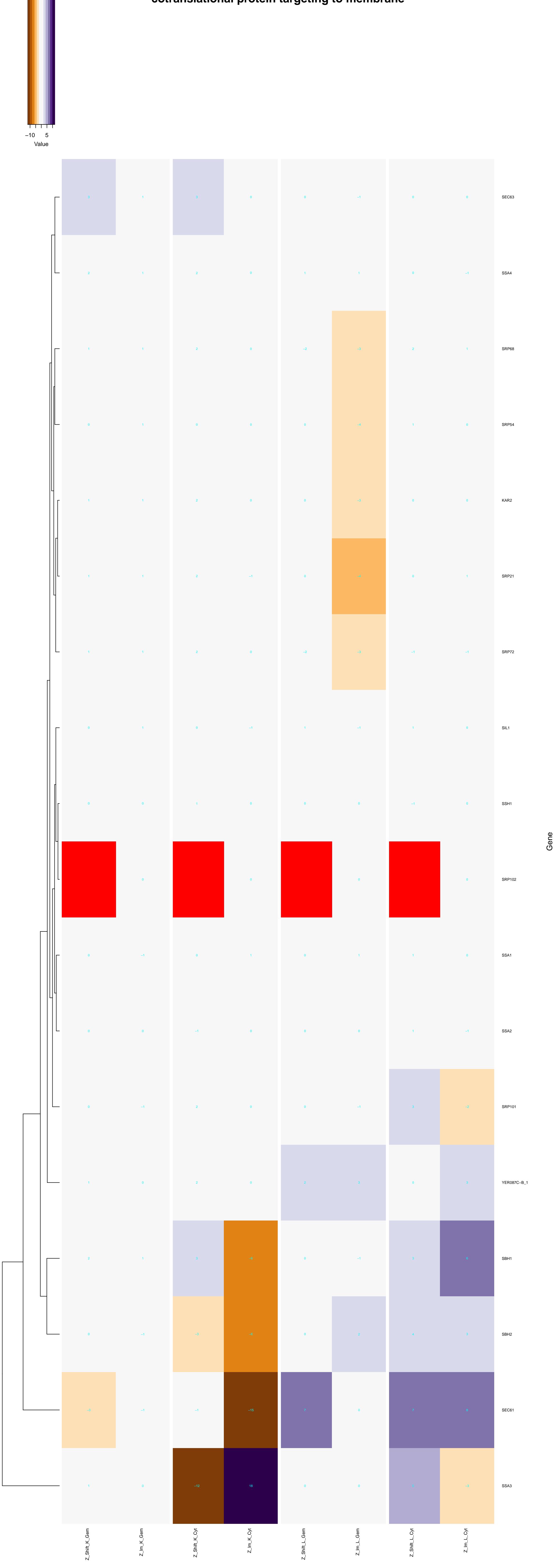
Color Key



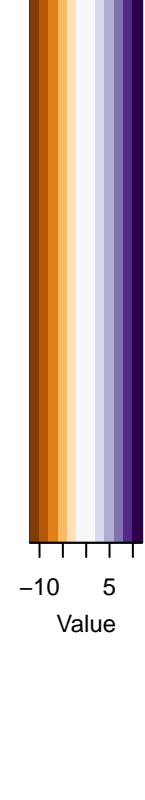
Color Key



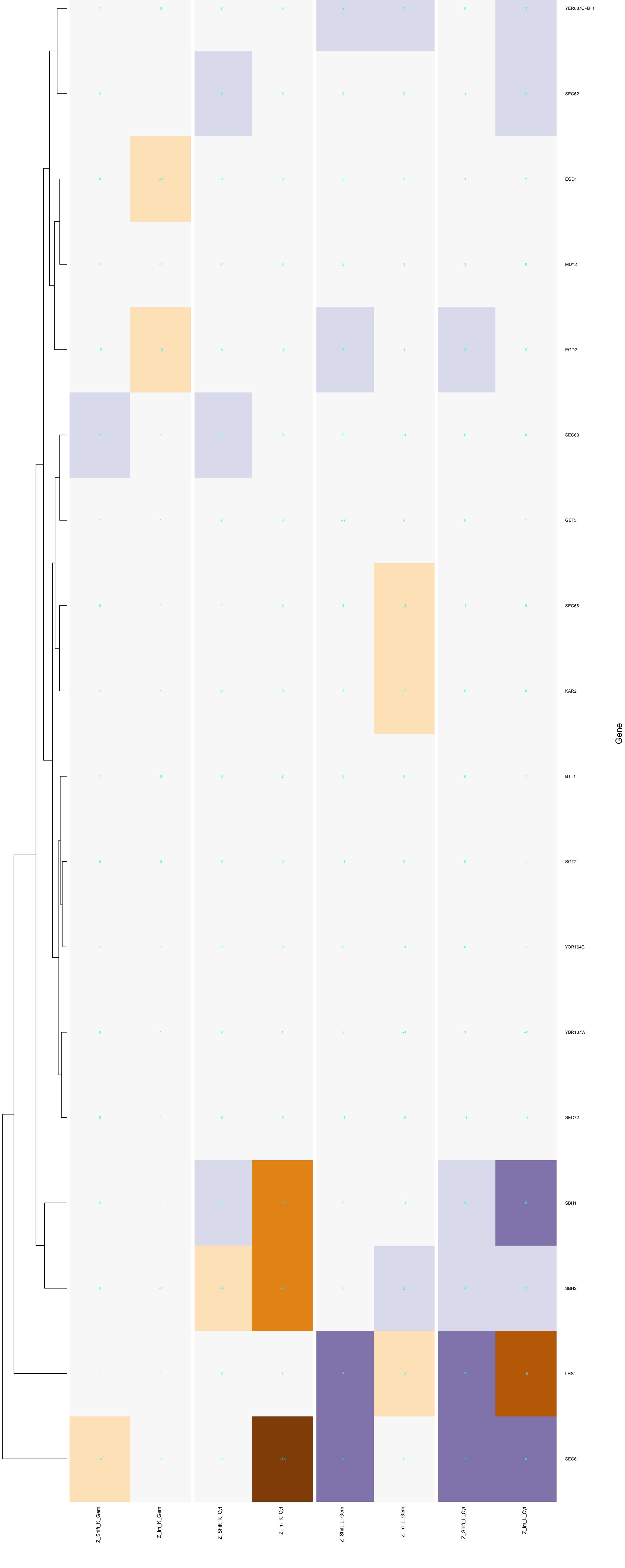
cotranslational protein targeting to membrane



Color Key



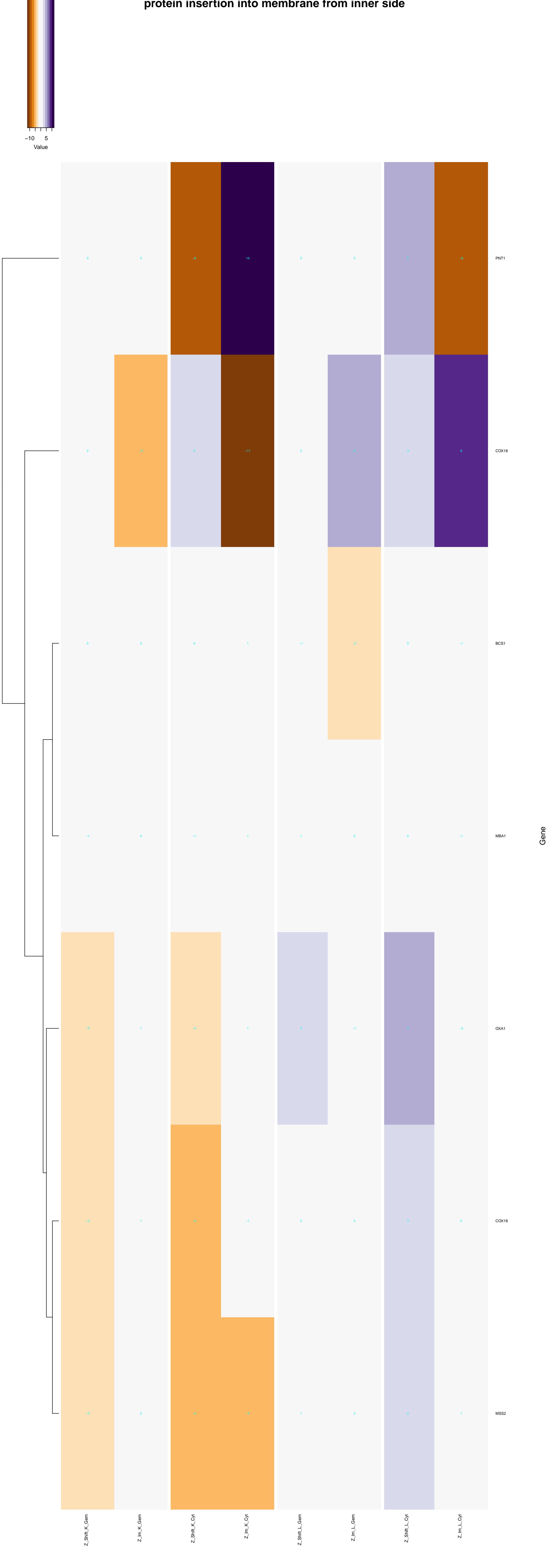
posttranslational protein targeting to membrane



Color Key



protein insertion into membrane from inner side



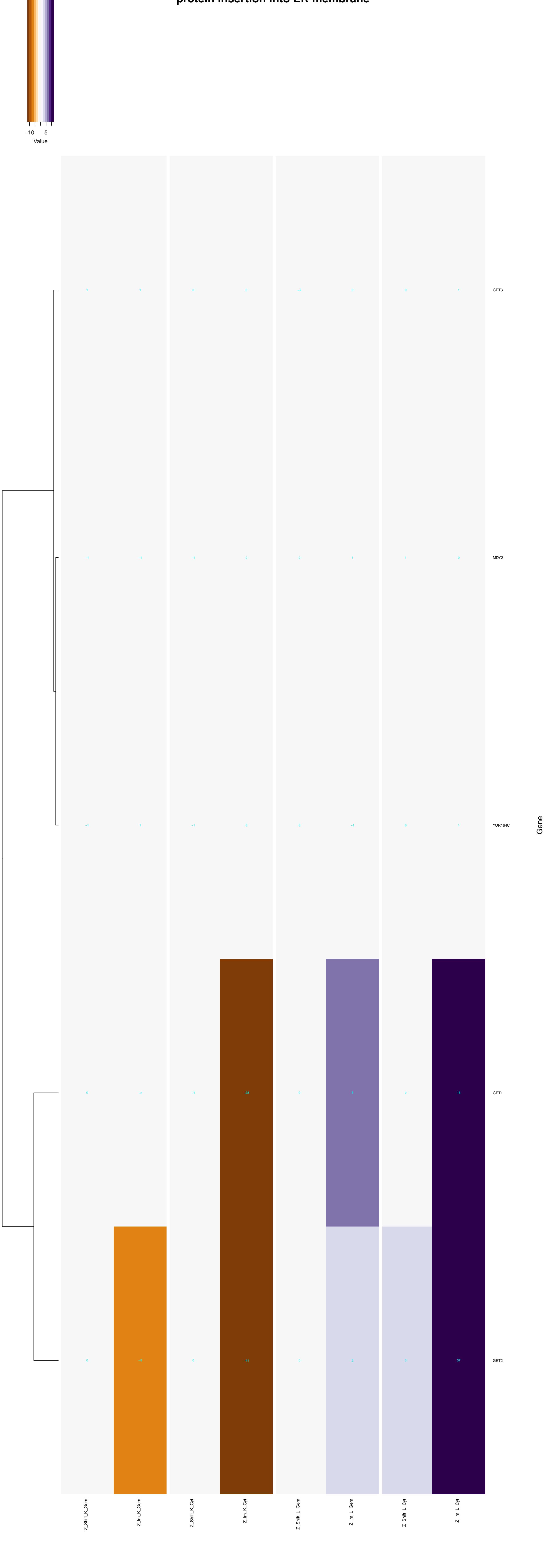
Color Key

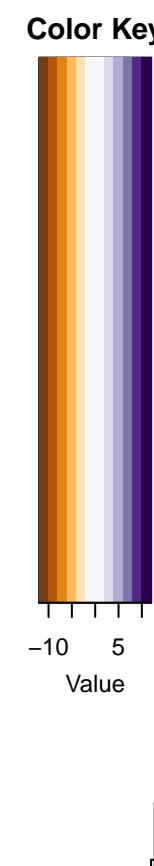


-10 5

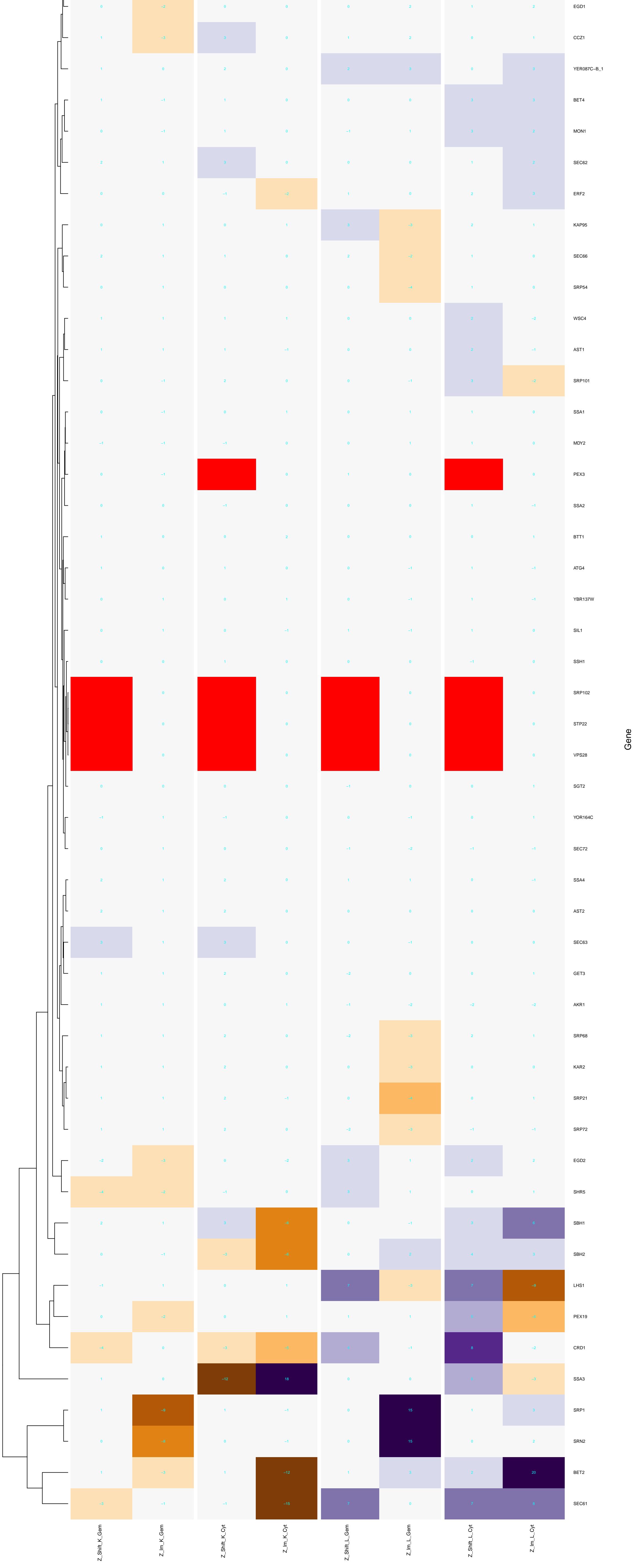
Value

protein insertion into ER membrane

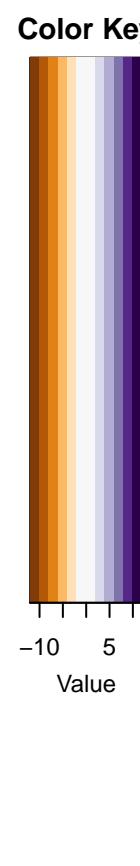




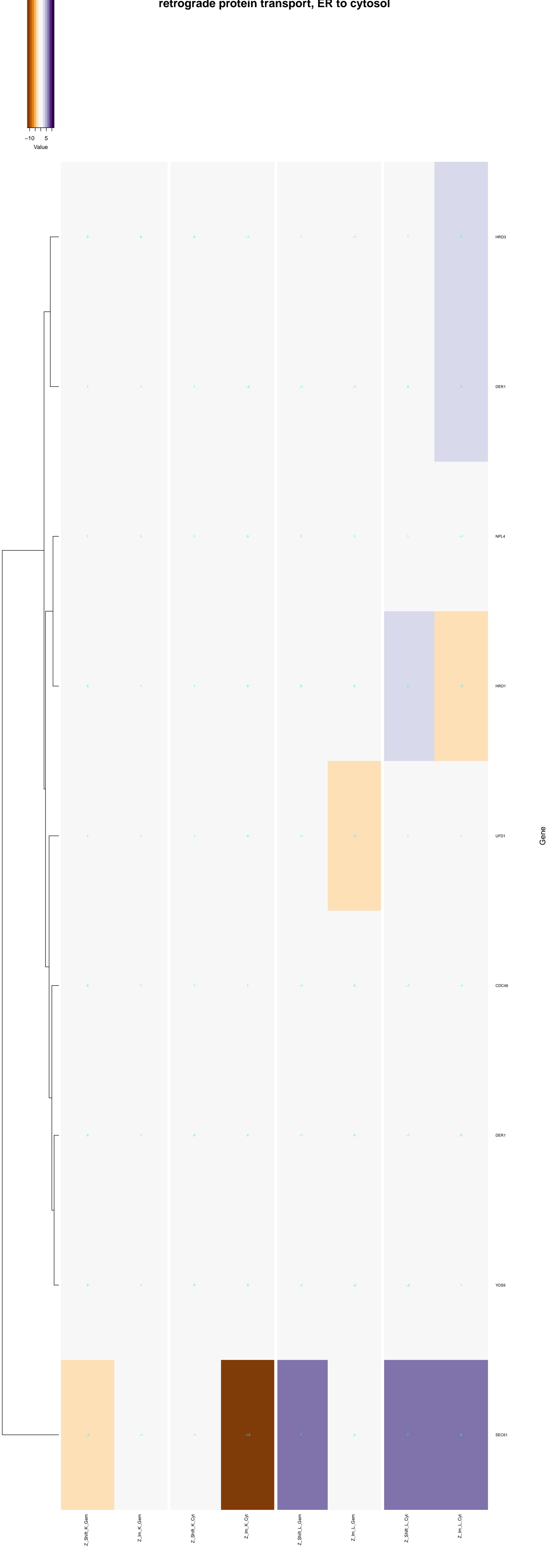
protein targeting to membrane



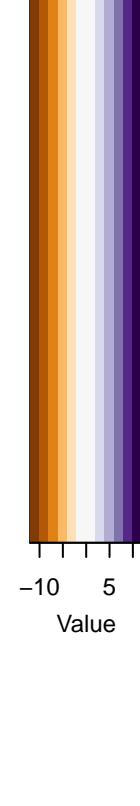
Color Key



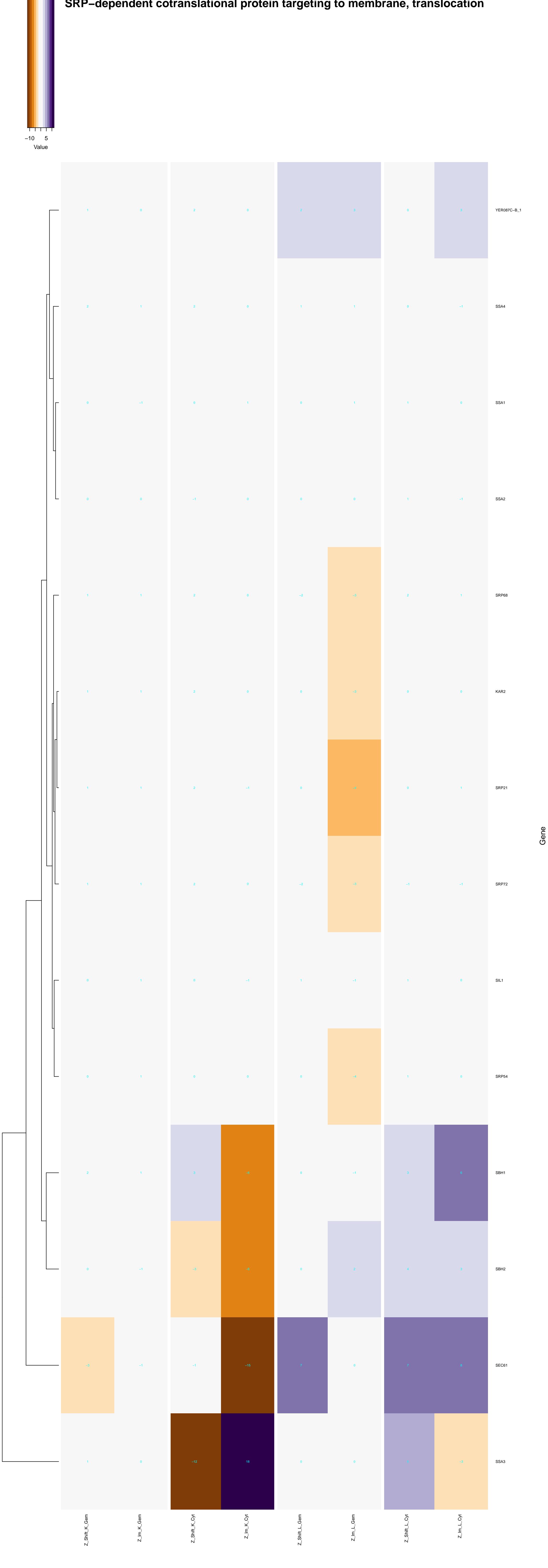
retrograde protein transport, ER to cytosol



Color Key



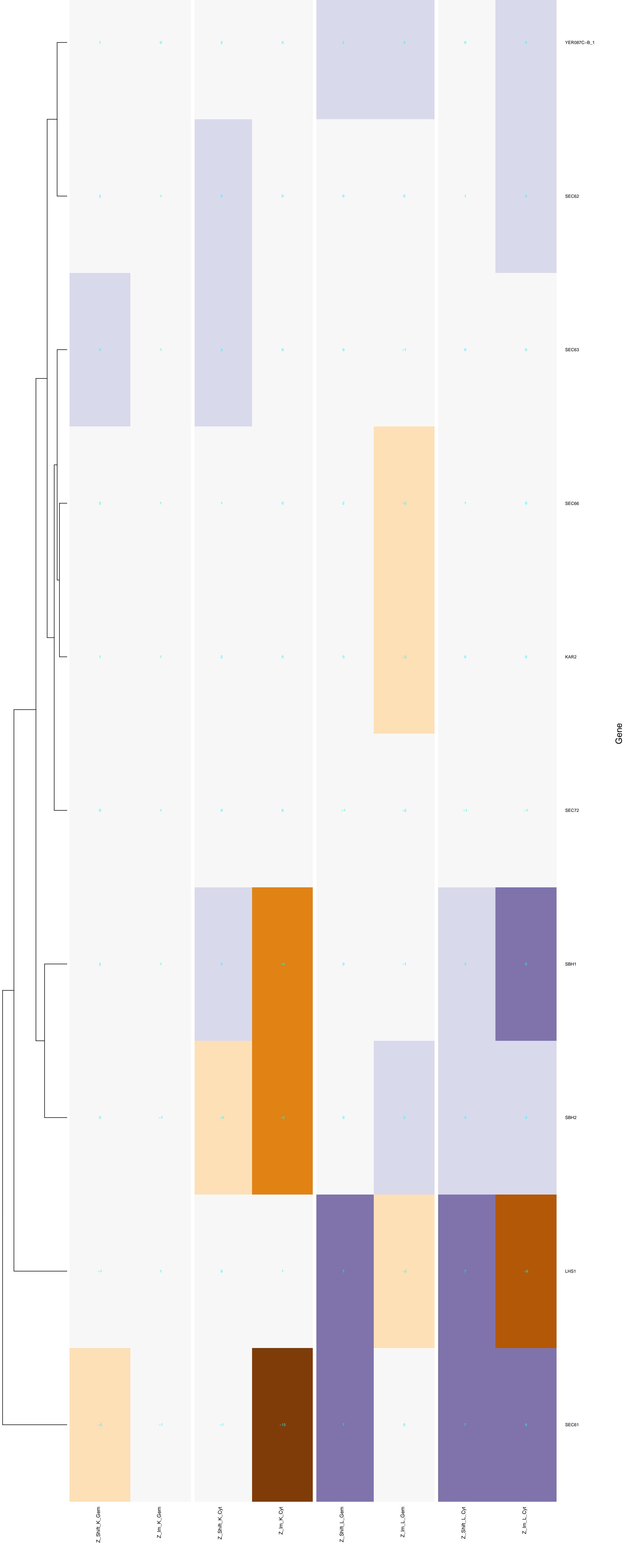
SRP-dependent cotranslational protein targeting to membrane, translocation

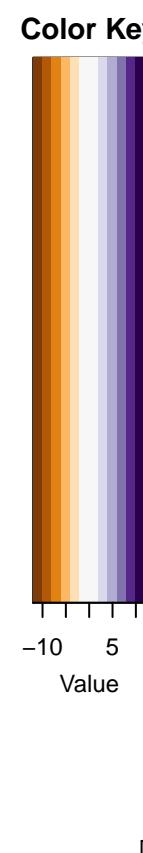


Color Key

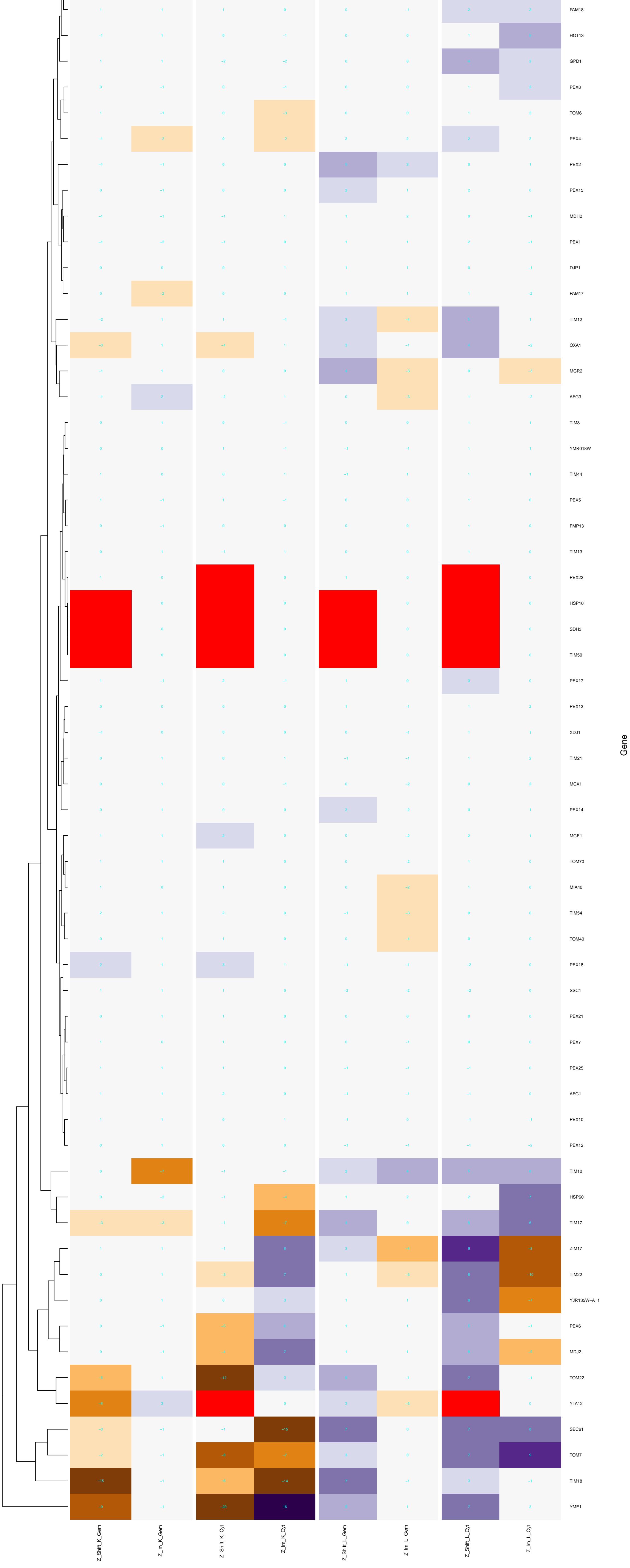


posttranslational protein targeting to membrane, translocation





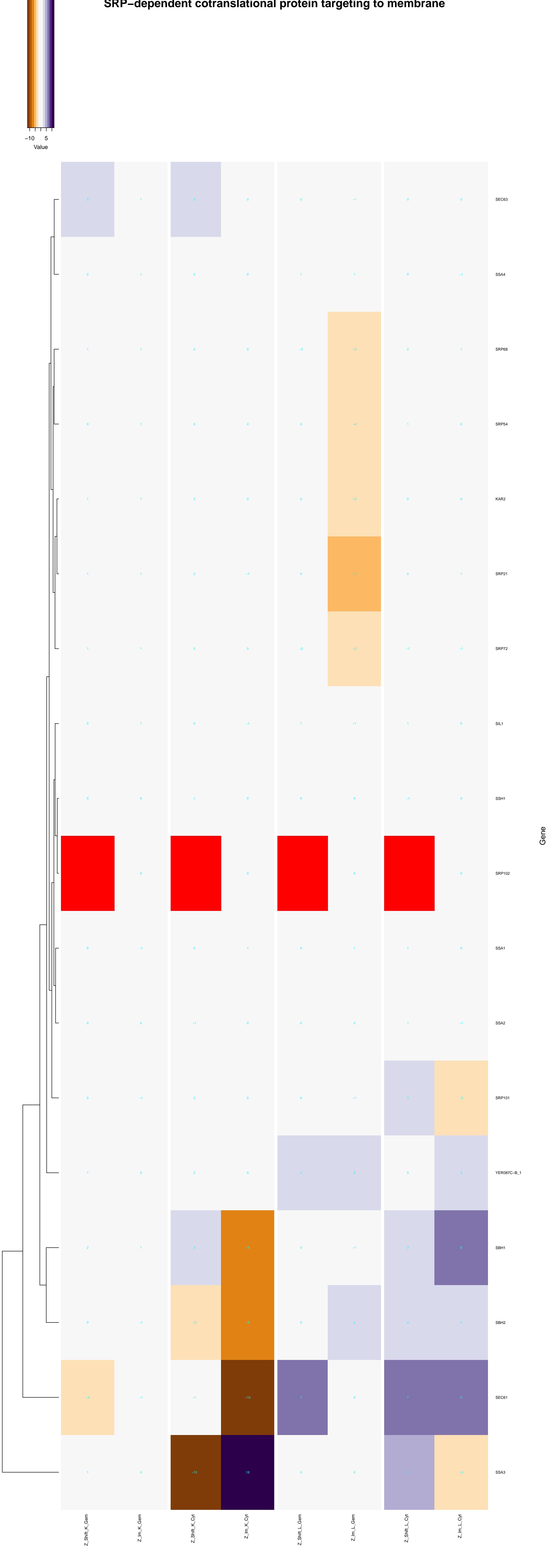
intracellular protein transmembrane import



Color Key



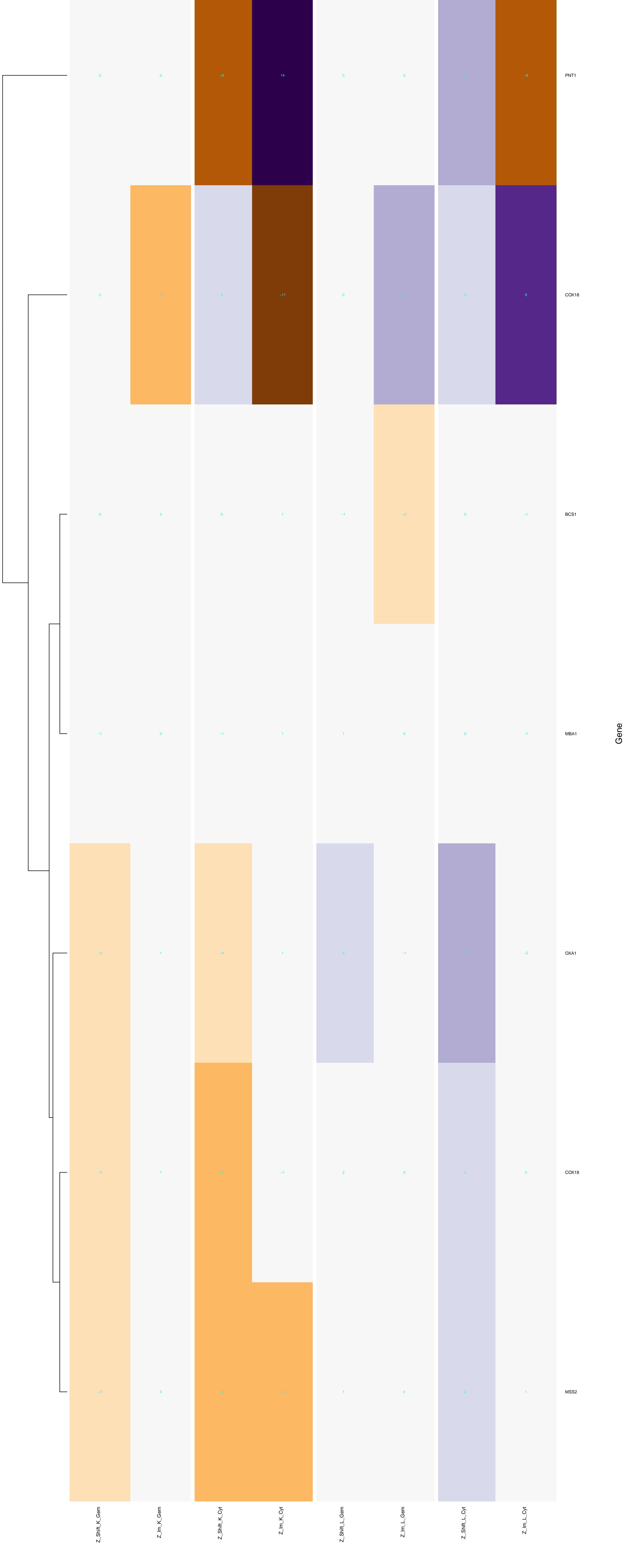
SRP-dependent cotranslational protein targeting to membrane

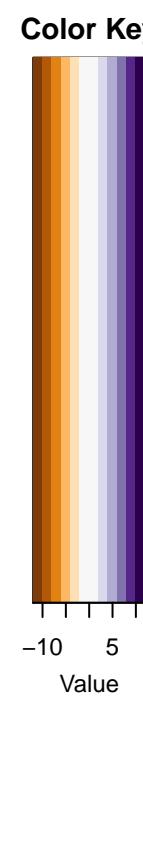


Color Key

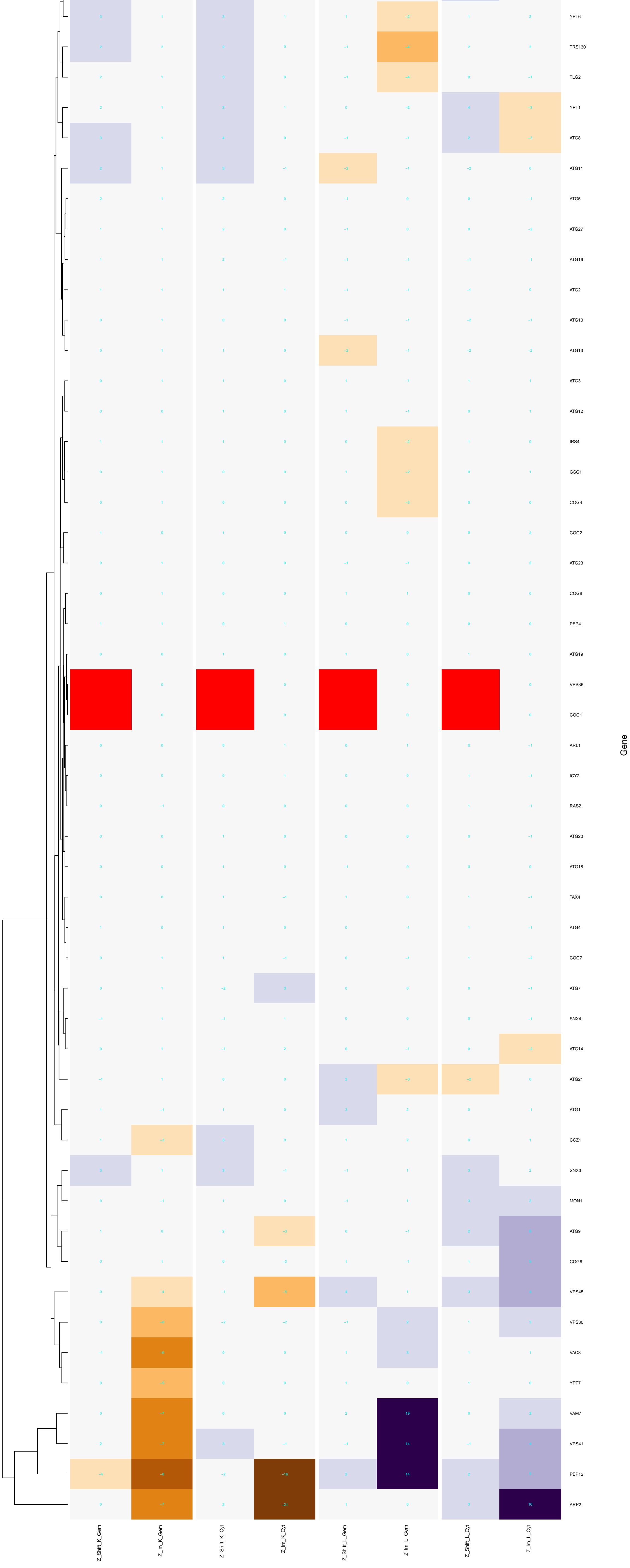


protein insertion into mitochondrial membrane from inner side

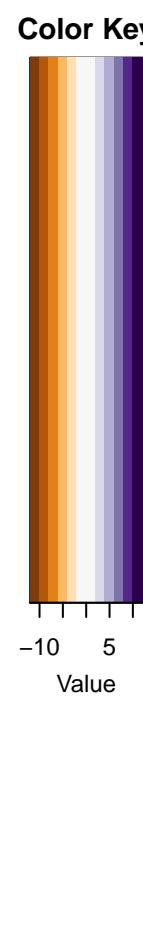




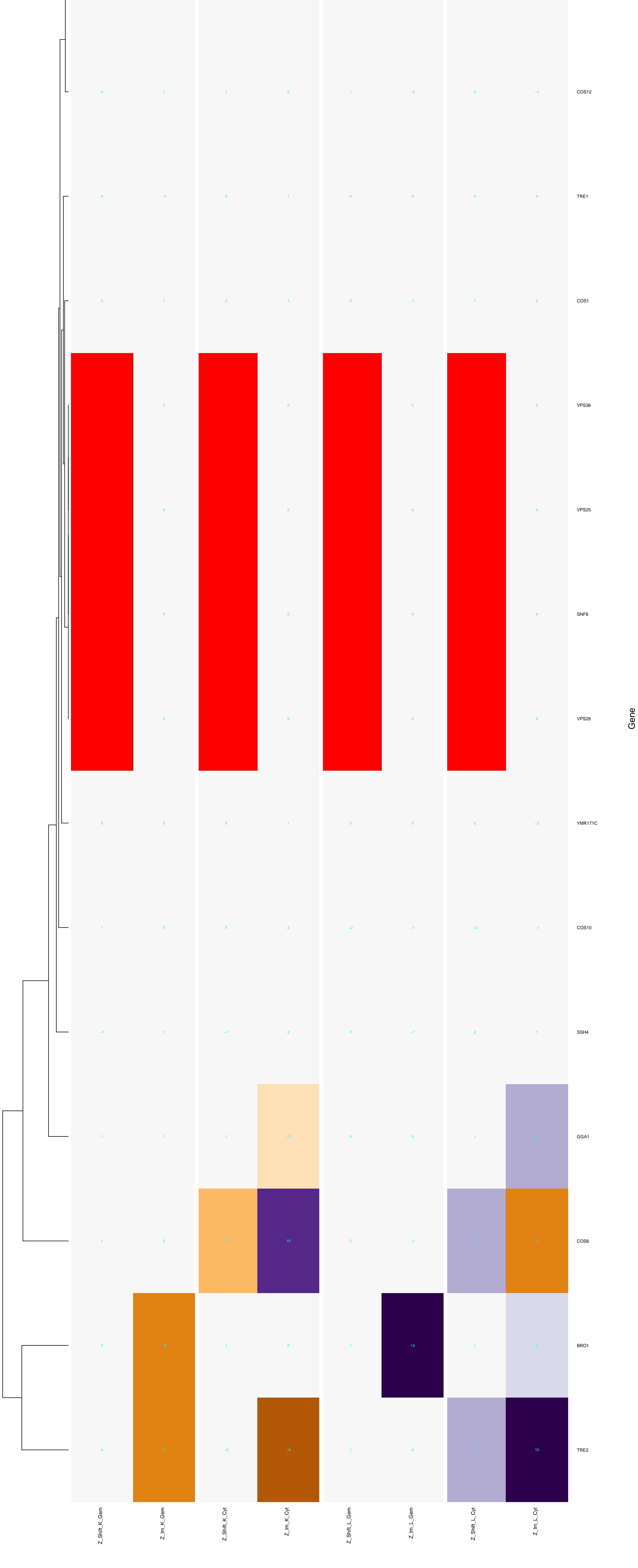
CVT pathway



Color Key



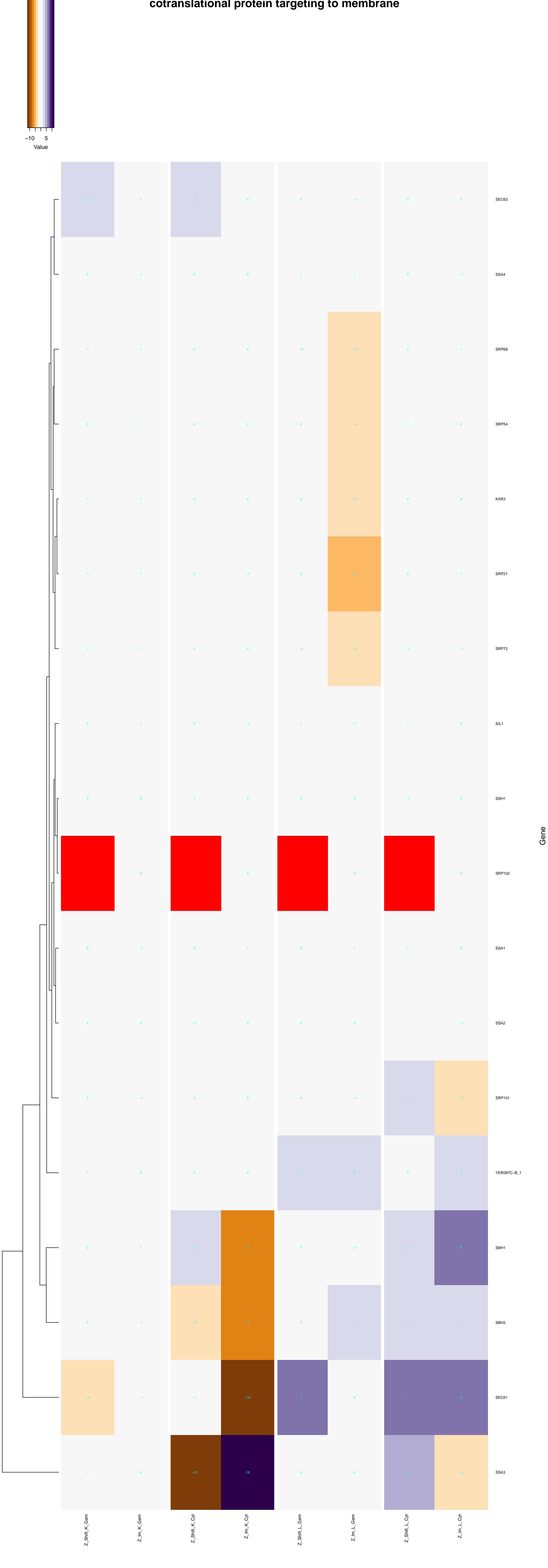
le involved in ubiquitin-dependent protein catabolic process via the multivesicular body s



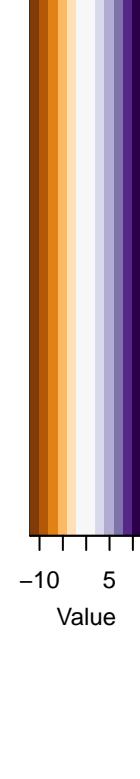
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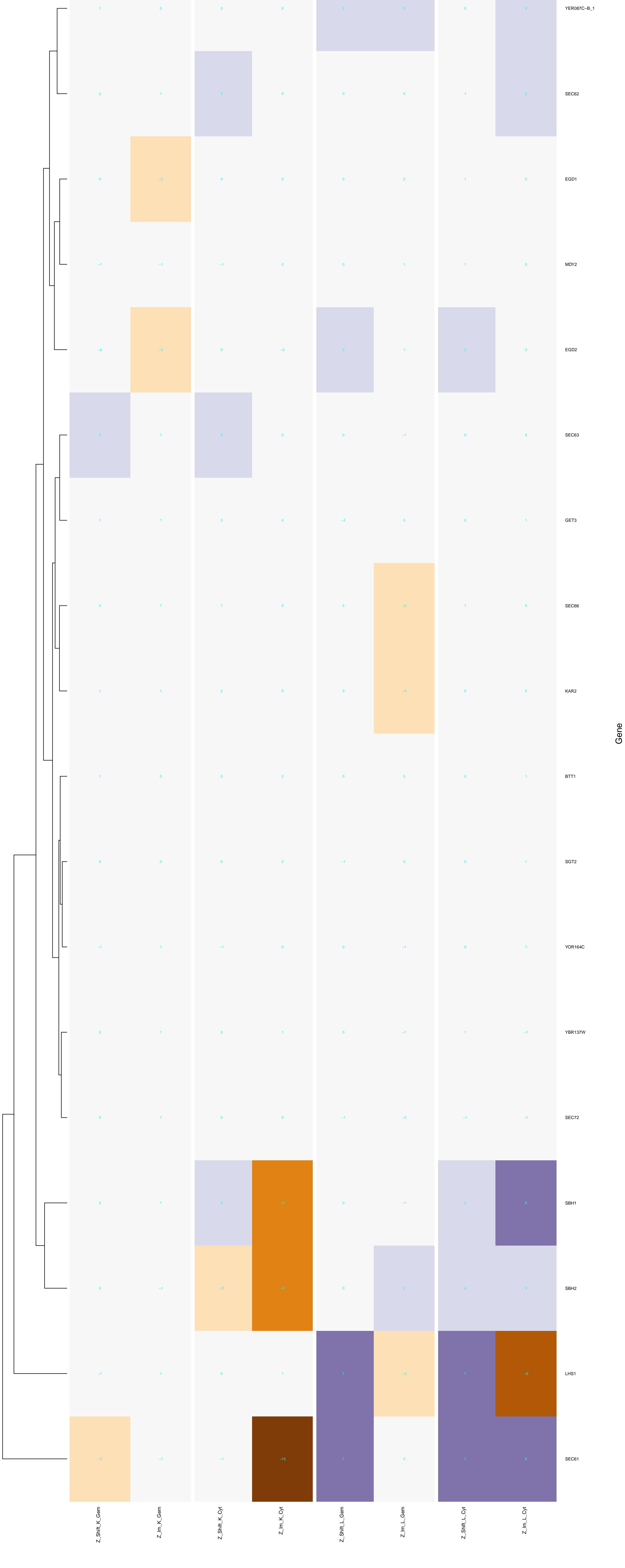
cotranslational protein targeting to membrane



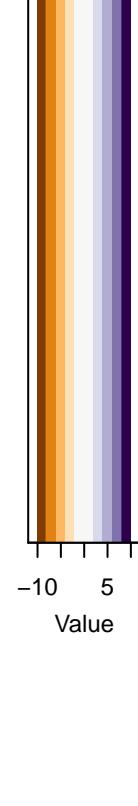
Color Key



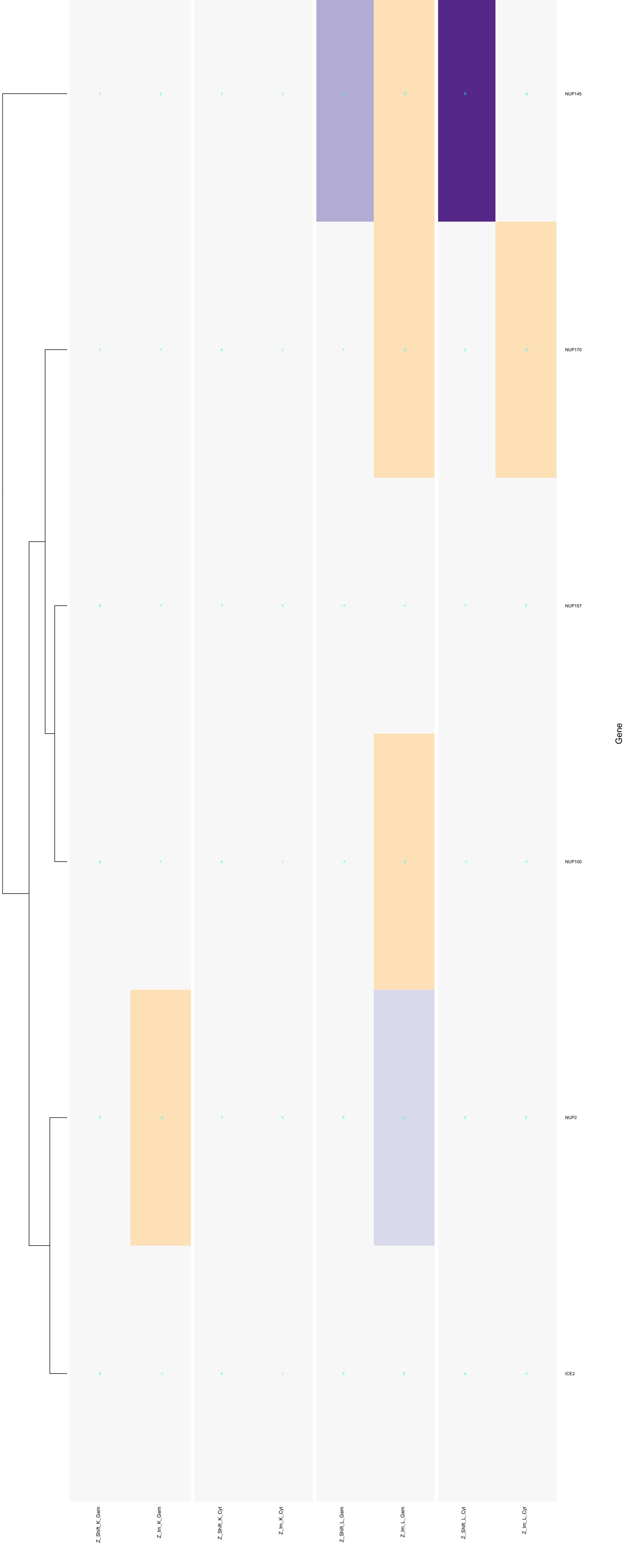
posttranslational protein targeting to membrane



Color Key

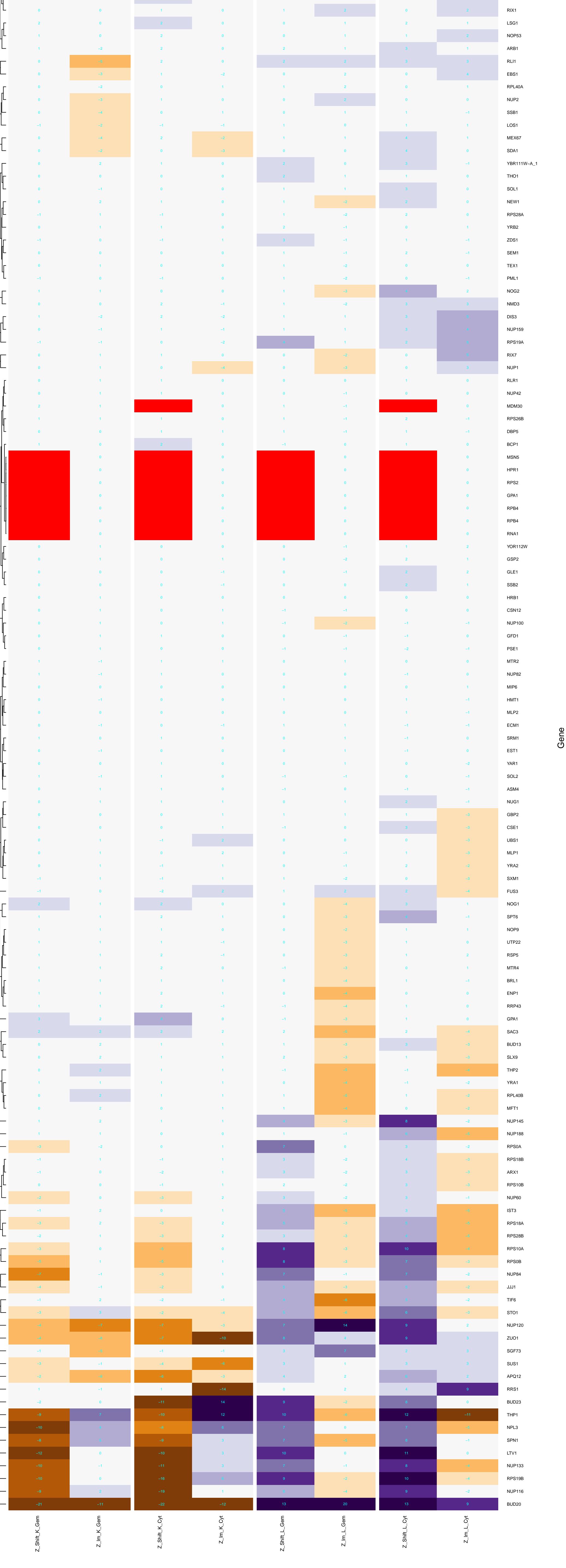


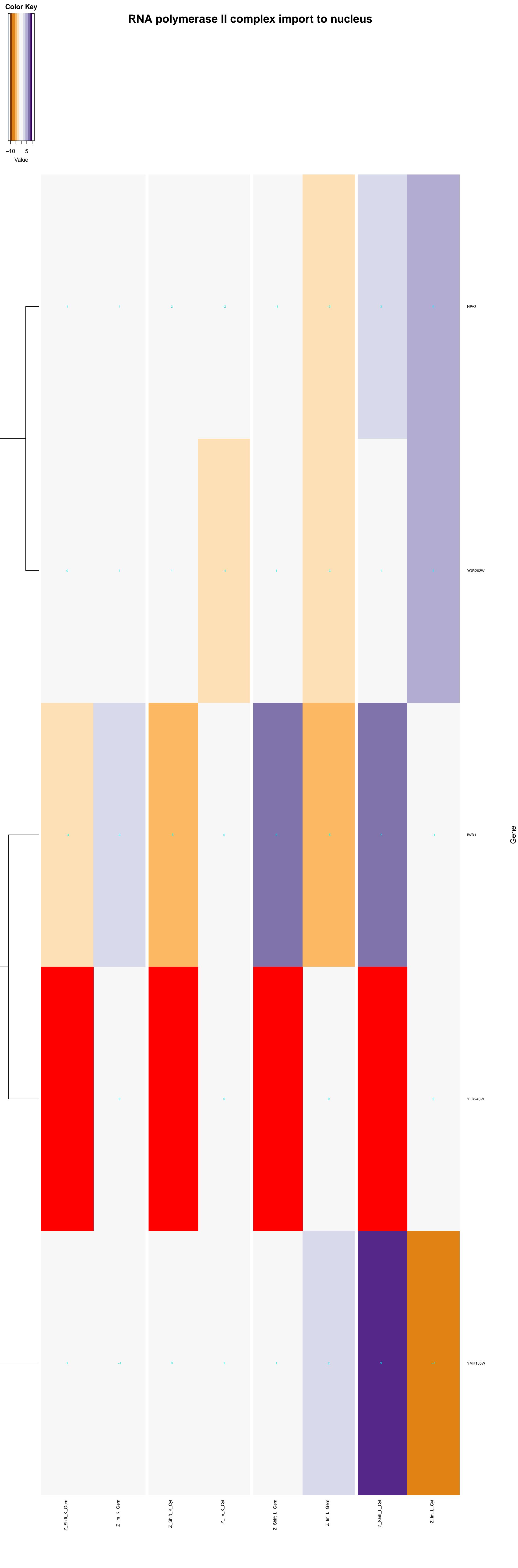
protein targeting to nuclear inner membrane



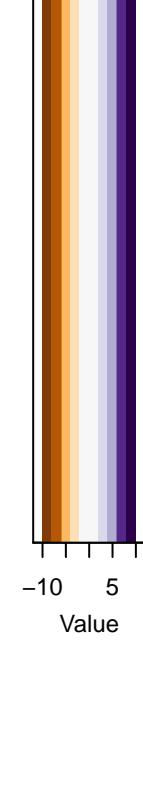
Color Key

protein export from nucleus

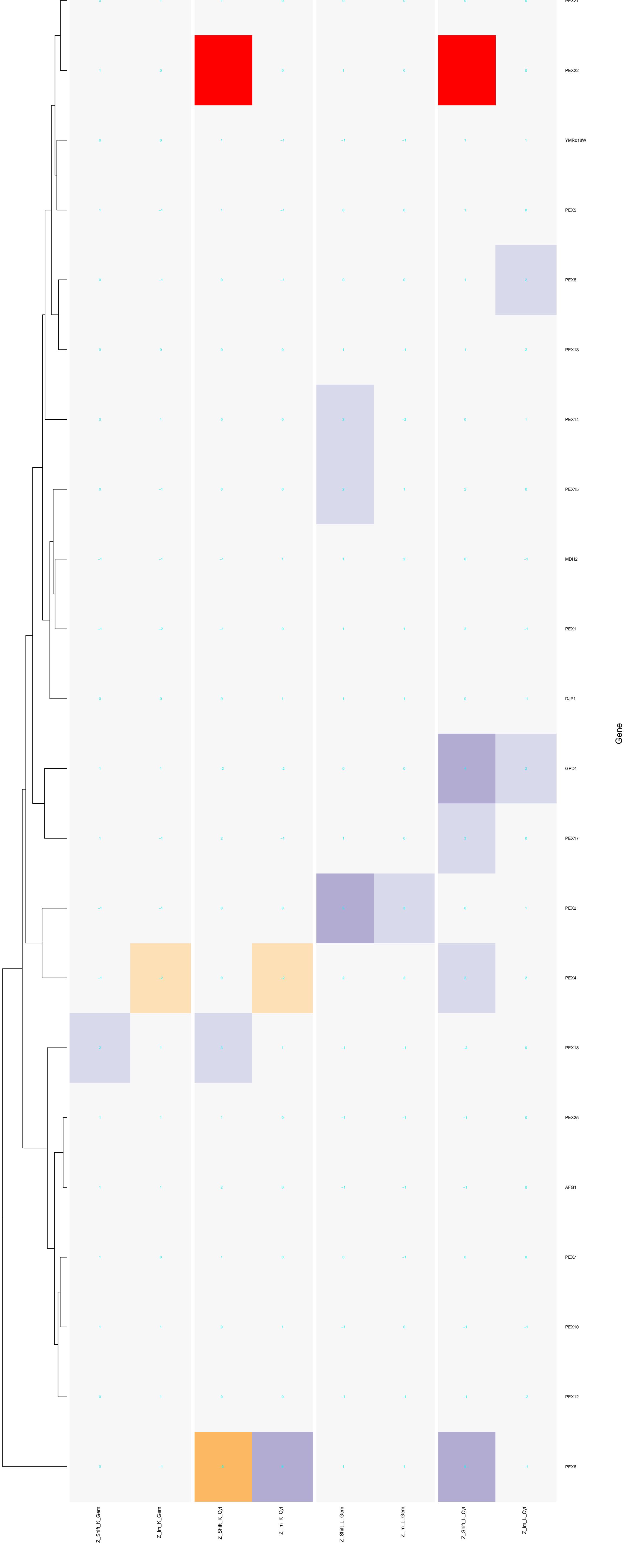


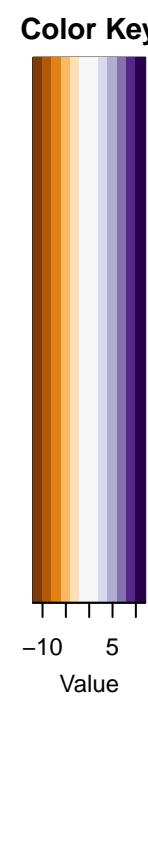


Color Key

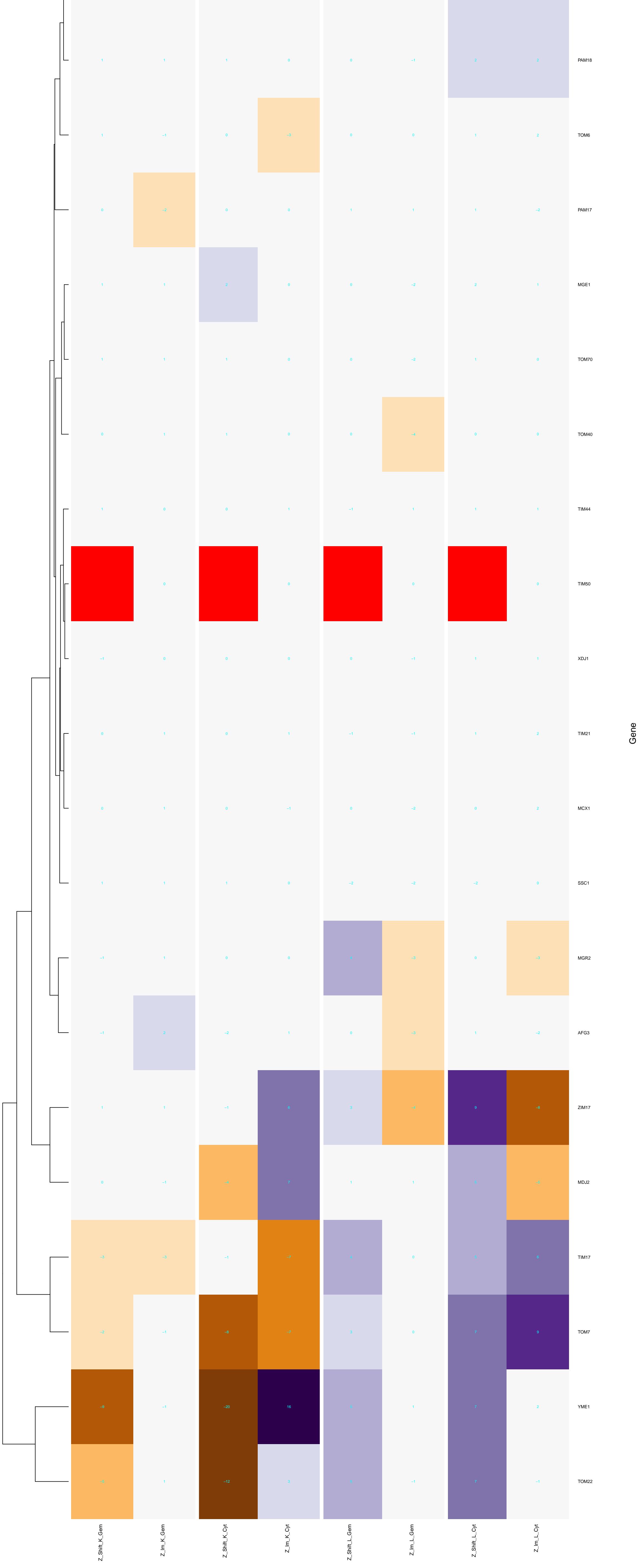


protein import into peroxisome matrix





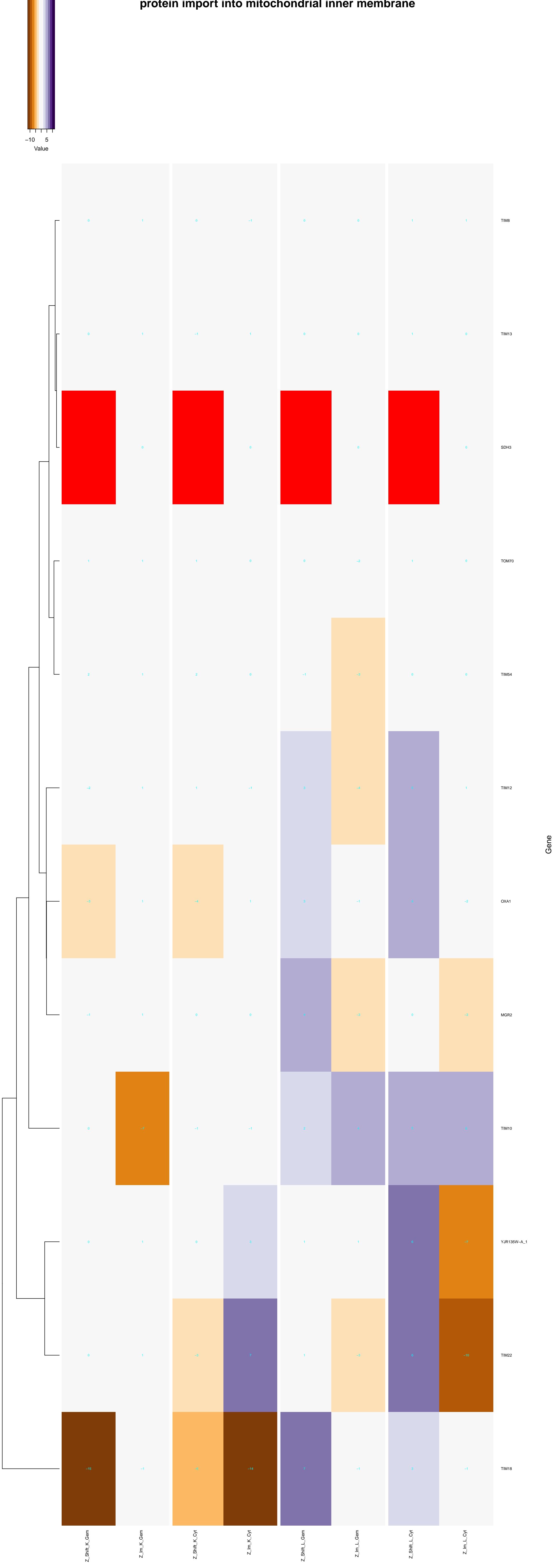
protein import into mitochondrial matrix



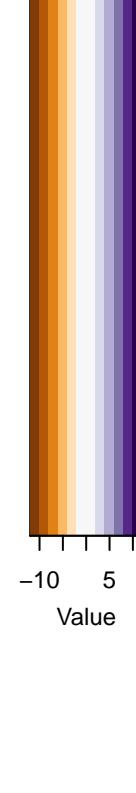
Color Key



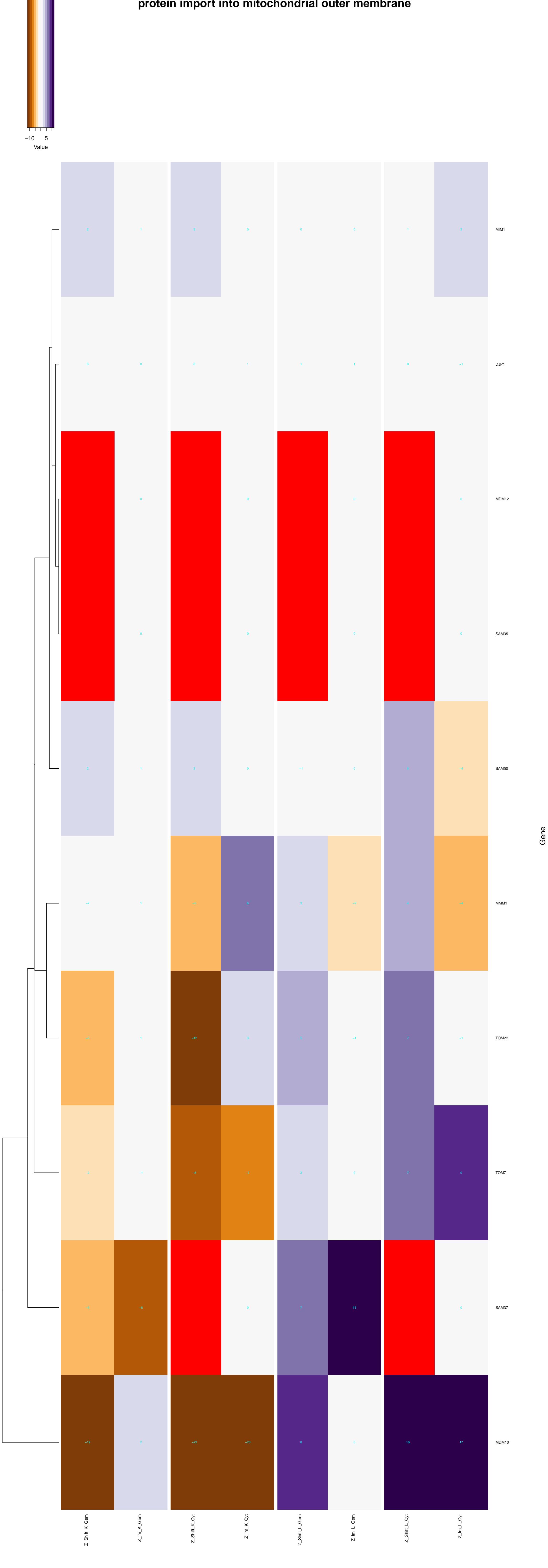
protein import into mitochondrial inner membrane



Color Key



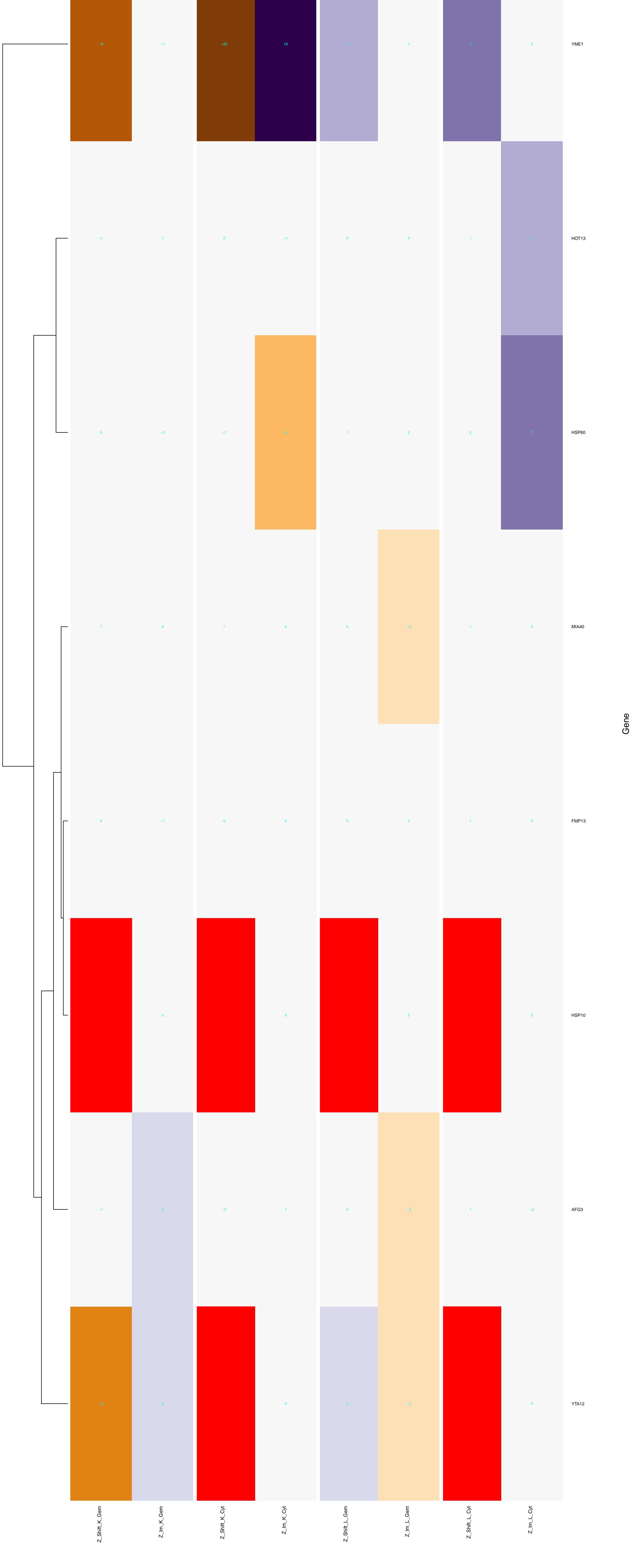
protein import into mitochondrial outer membrane



Color Key



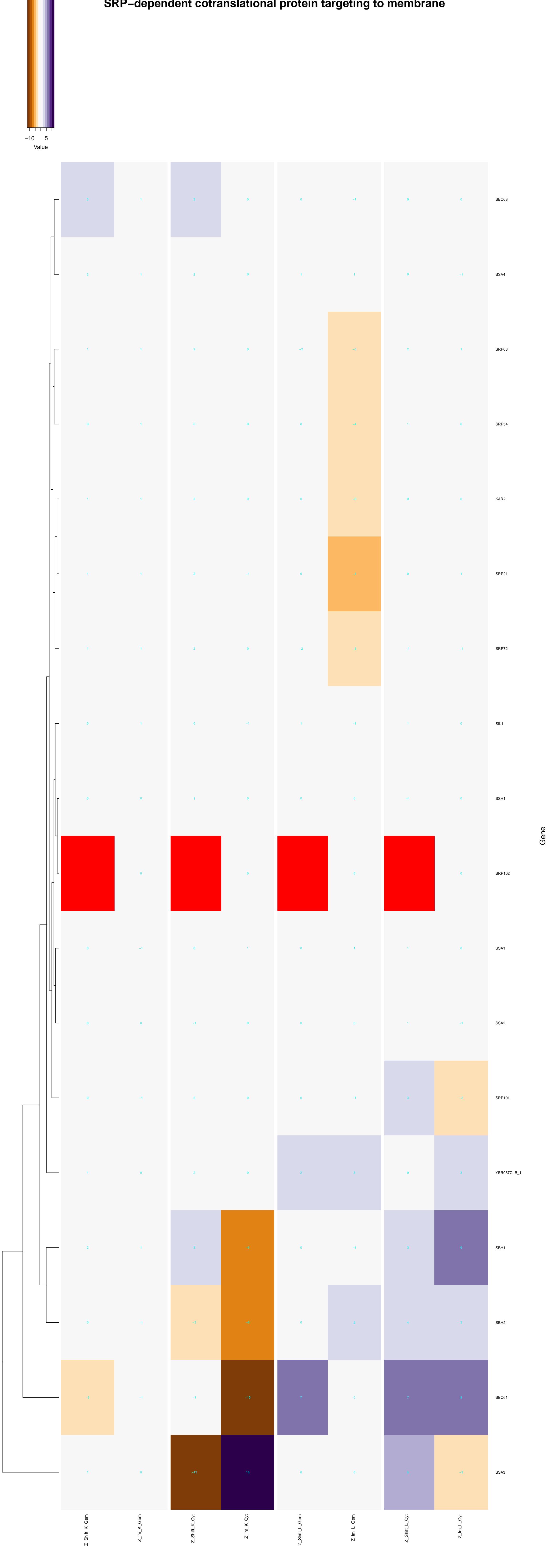
protein import into mitochondrial intermembrane space



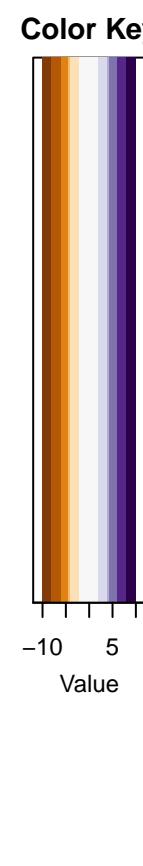
Color Key



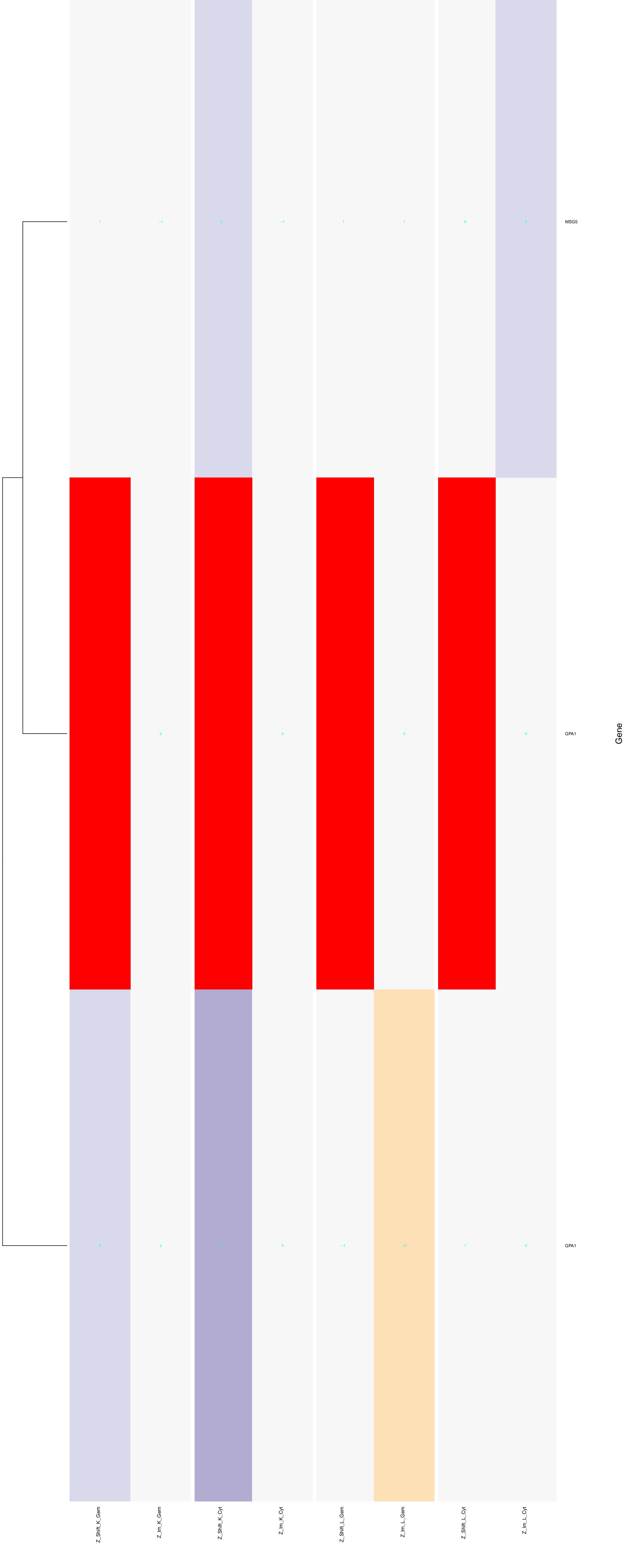
SRP-dependent cotranslational protein targeting to membrane



Color Key



MAPK export from nucleus





ribonucleoprotein complex export from nucleus

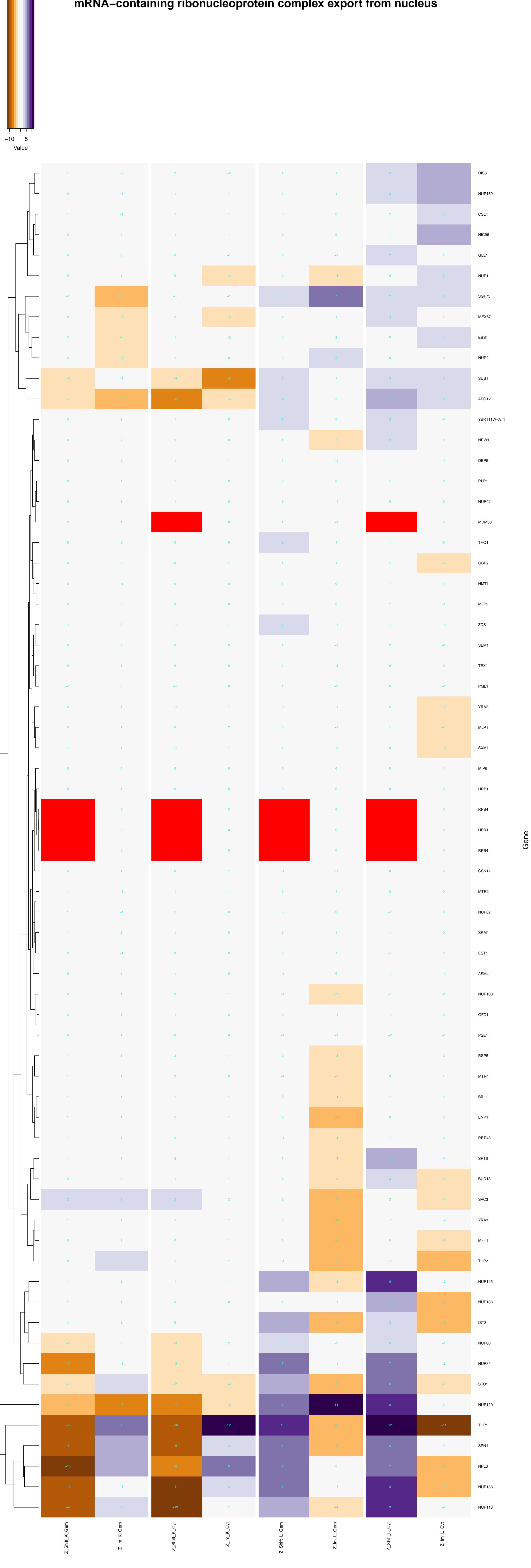
Gene

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

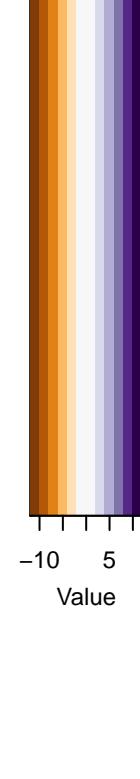
CSL4 NIC96 RIX7 NOG2 NMD3 NUP1 DIS3 NUP159 RPS19A LSG1 NOP53 RIX1 ARB1 RLI1 EBS1 RPL40A NUP2 SSB1 LOS1 MEX67 ADA1 YBR111W-A_1 NUG1 GBP2 THO1 SOL1 NEW1 RPS28A YRB2 ZDS1 SEM1 TEX1 PML1 RLR1 NUP42 MDM30 RPS26B DBP5 BCP1 MSN5 HPR1 RPS2 RPB4 RPB4 RNA1 YOR112W GSP2 GLE1 SSB2 MTR2 NUP82 MIP6 HMT1 MLP2 ECM1 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

Color Key

mRNA-containing ribonucleoprotein complex export from nucleus



Color Key



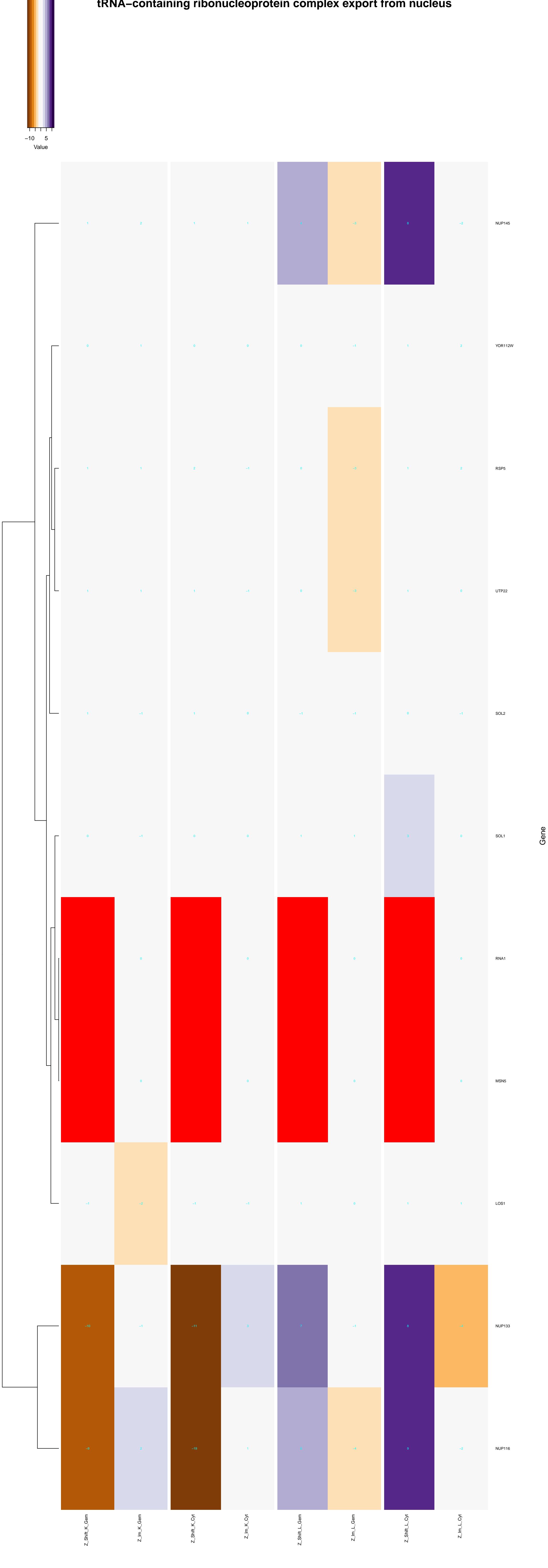
rRNA-containing ribonucleoprotein complex export from nucleus

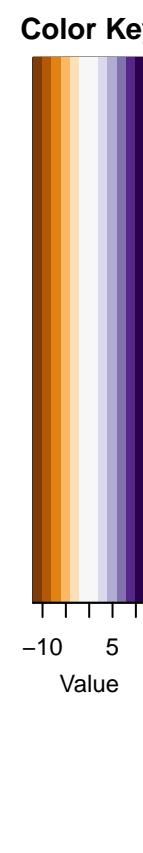


Color Key

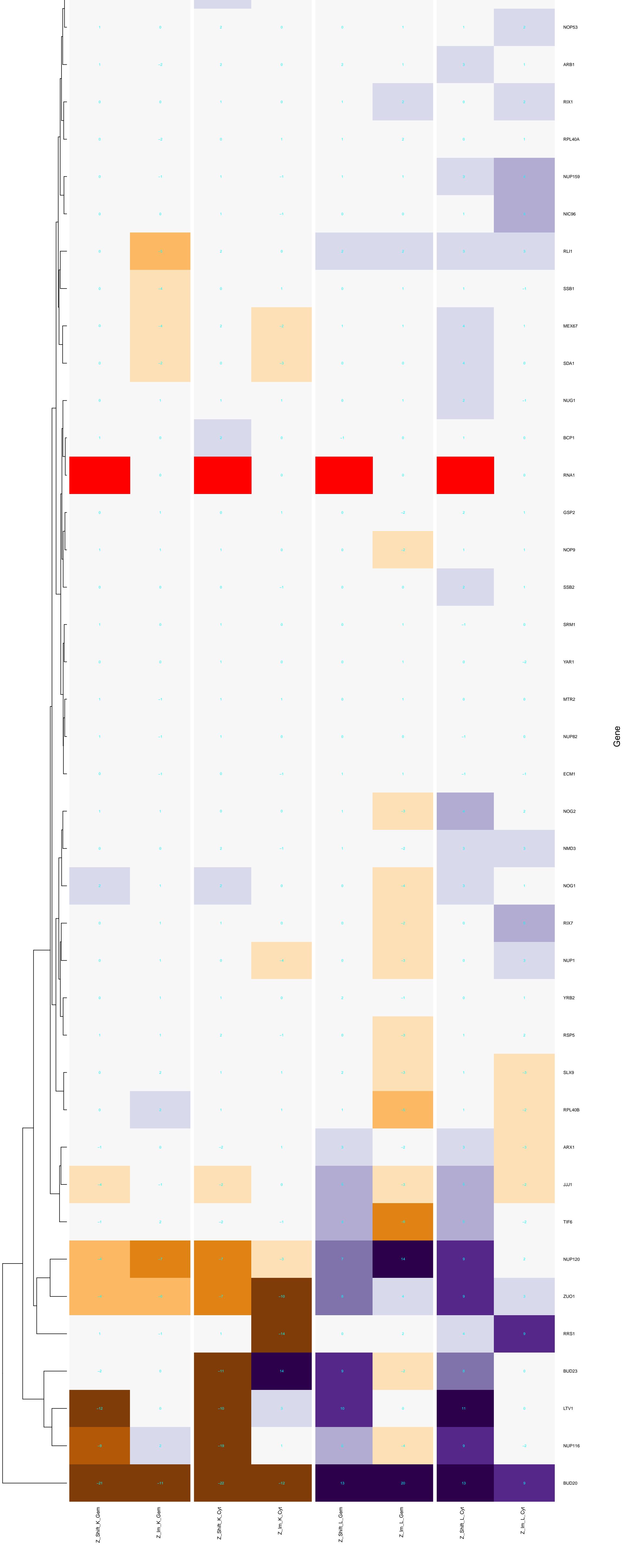


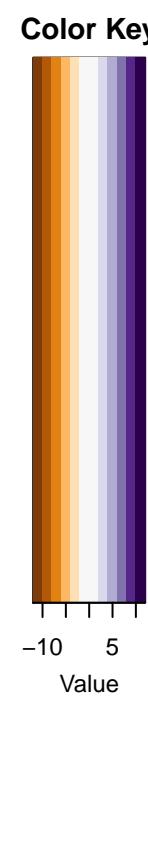
tRNA-containing ribonucleoprotein complex export from nucleus



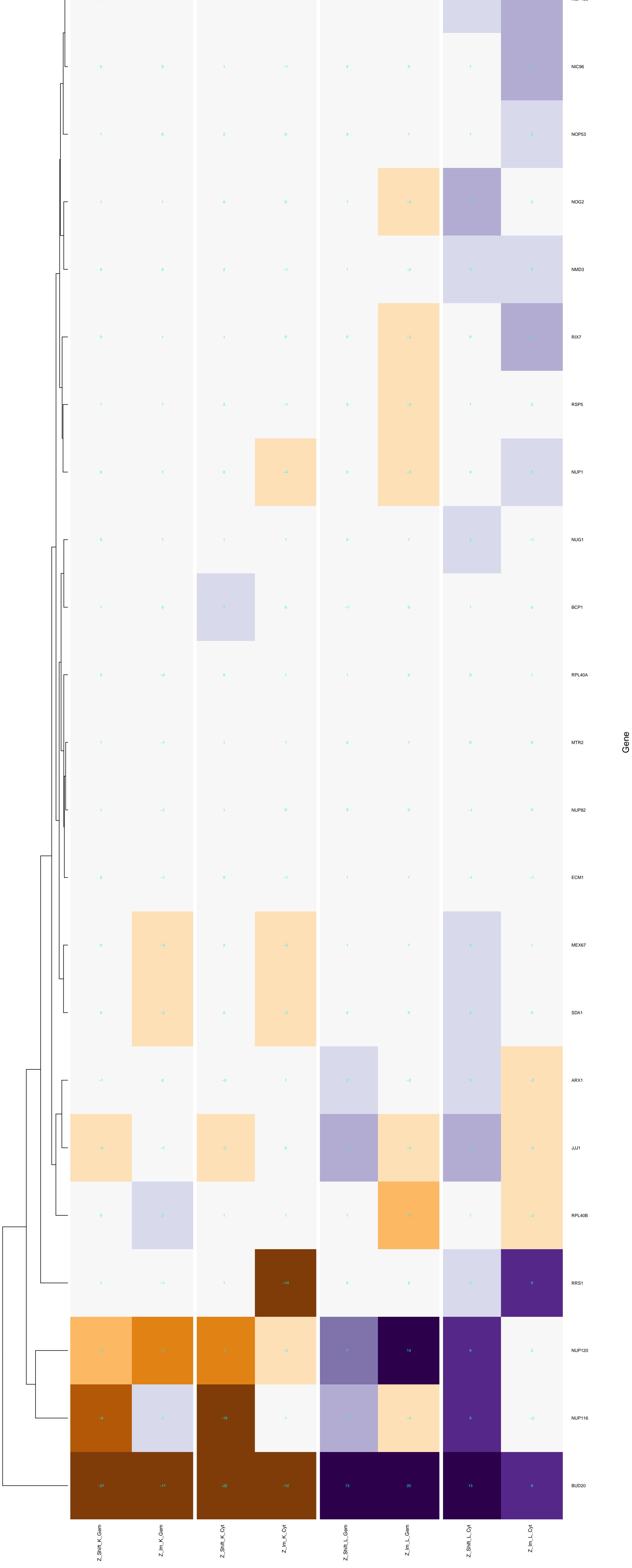


ribosomal subunit export from nucleus





ribosomal large subunit export from nucleus



Color Key



ribosomal small subunit export from nucleus

