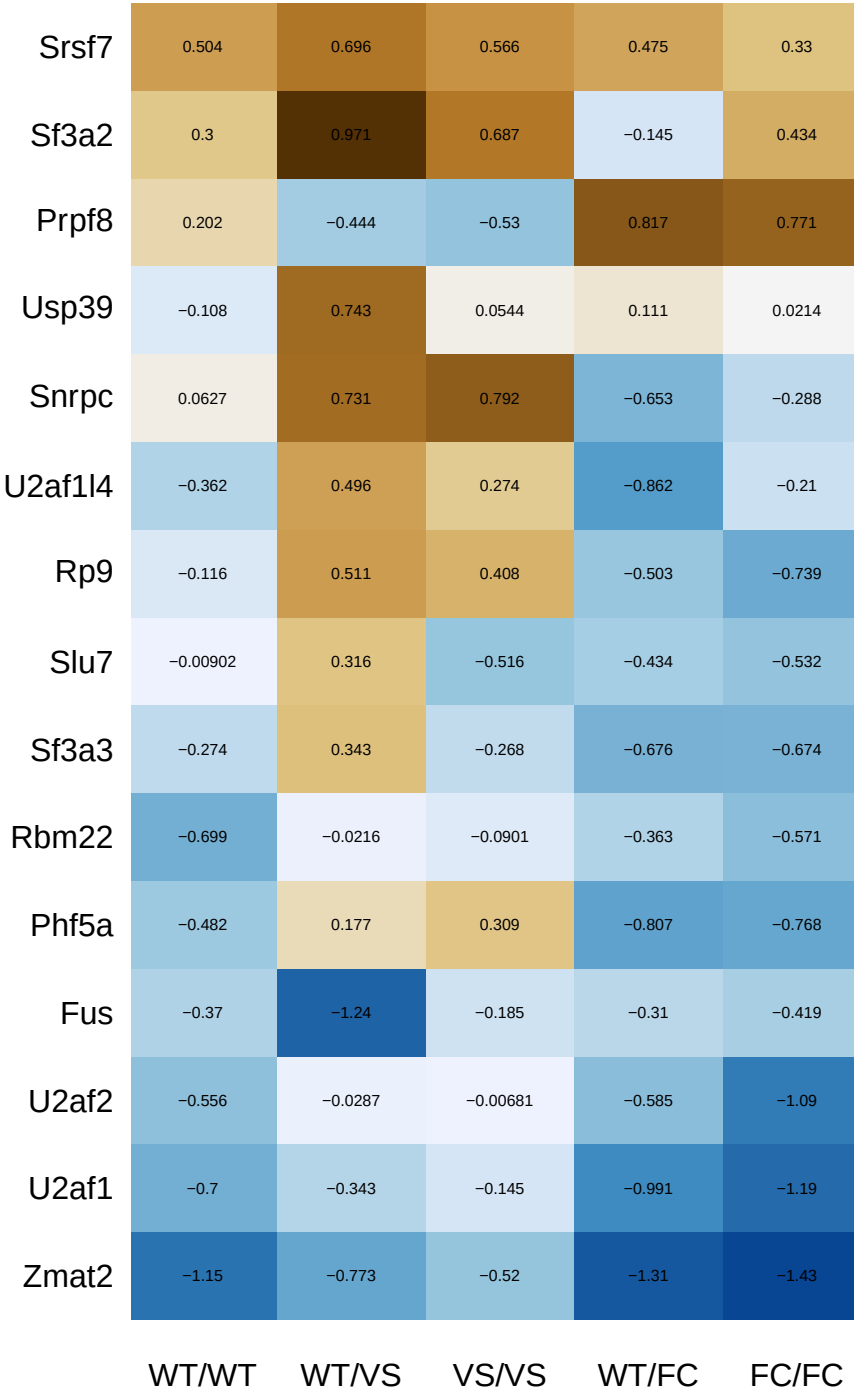
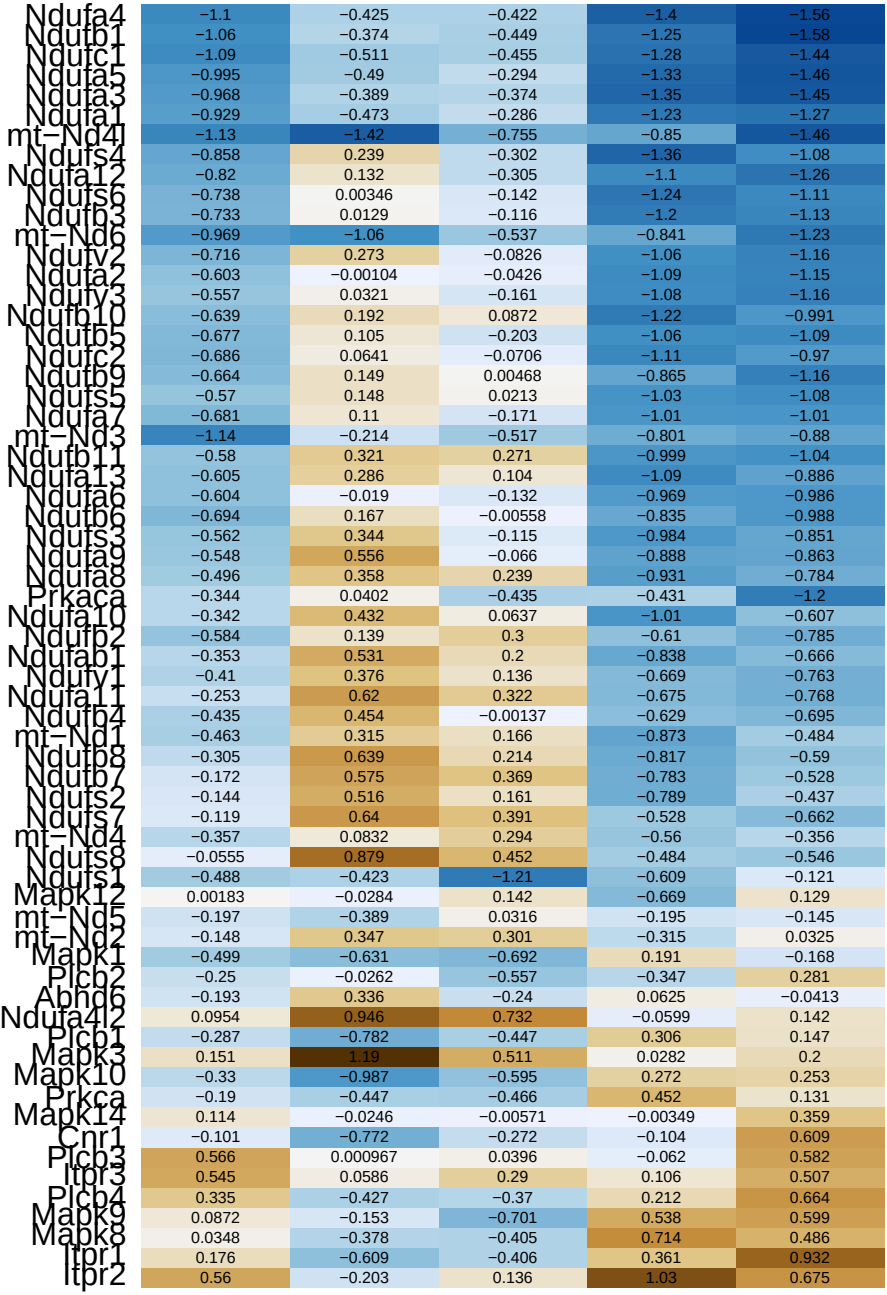
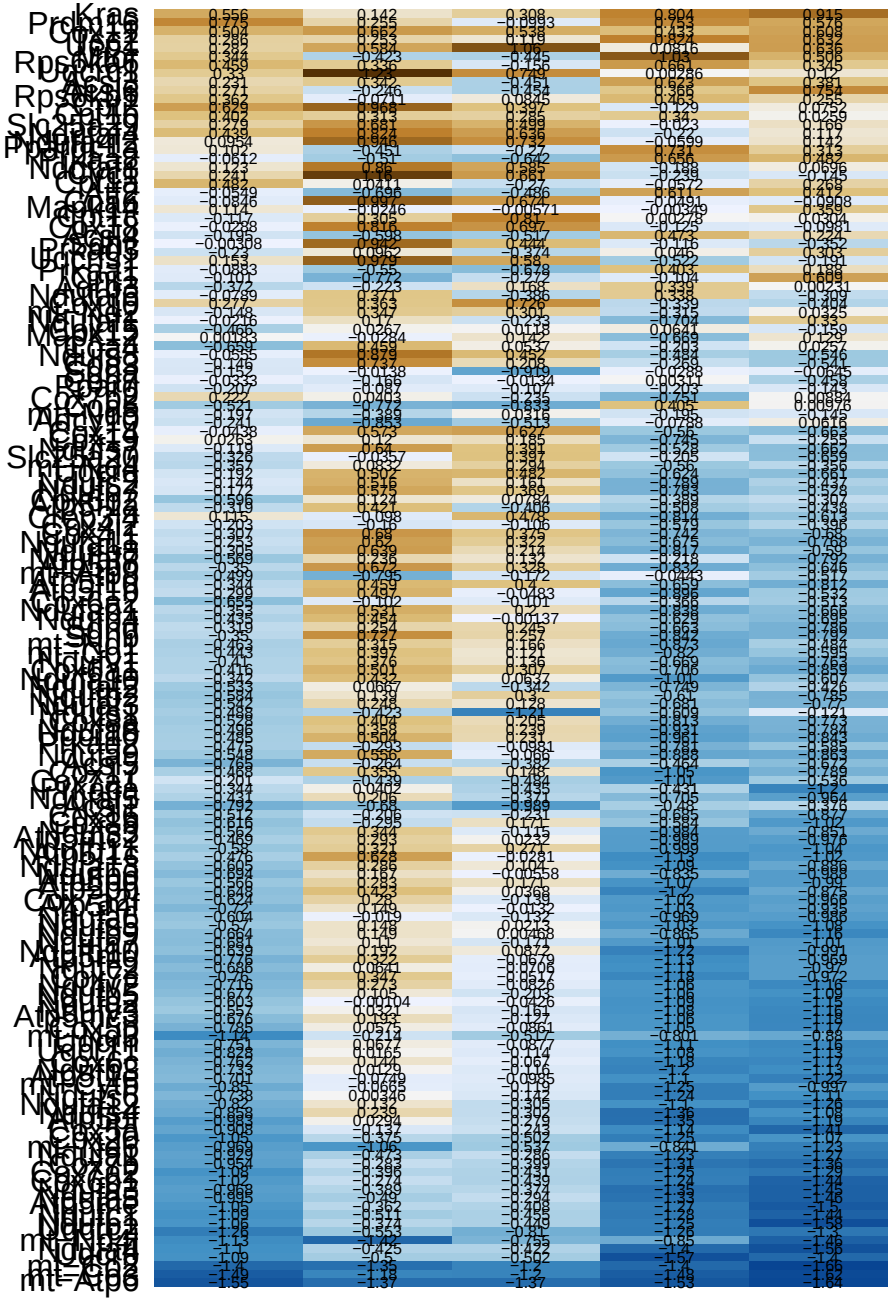
Spliceosome : Metal Binding and Homeostasis



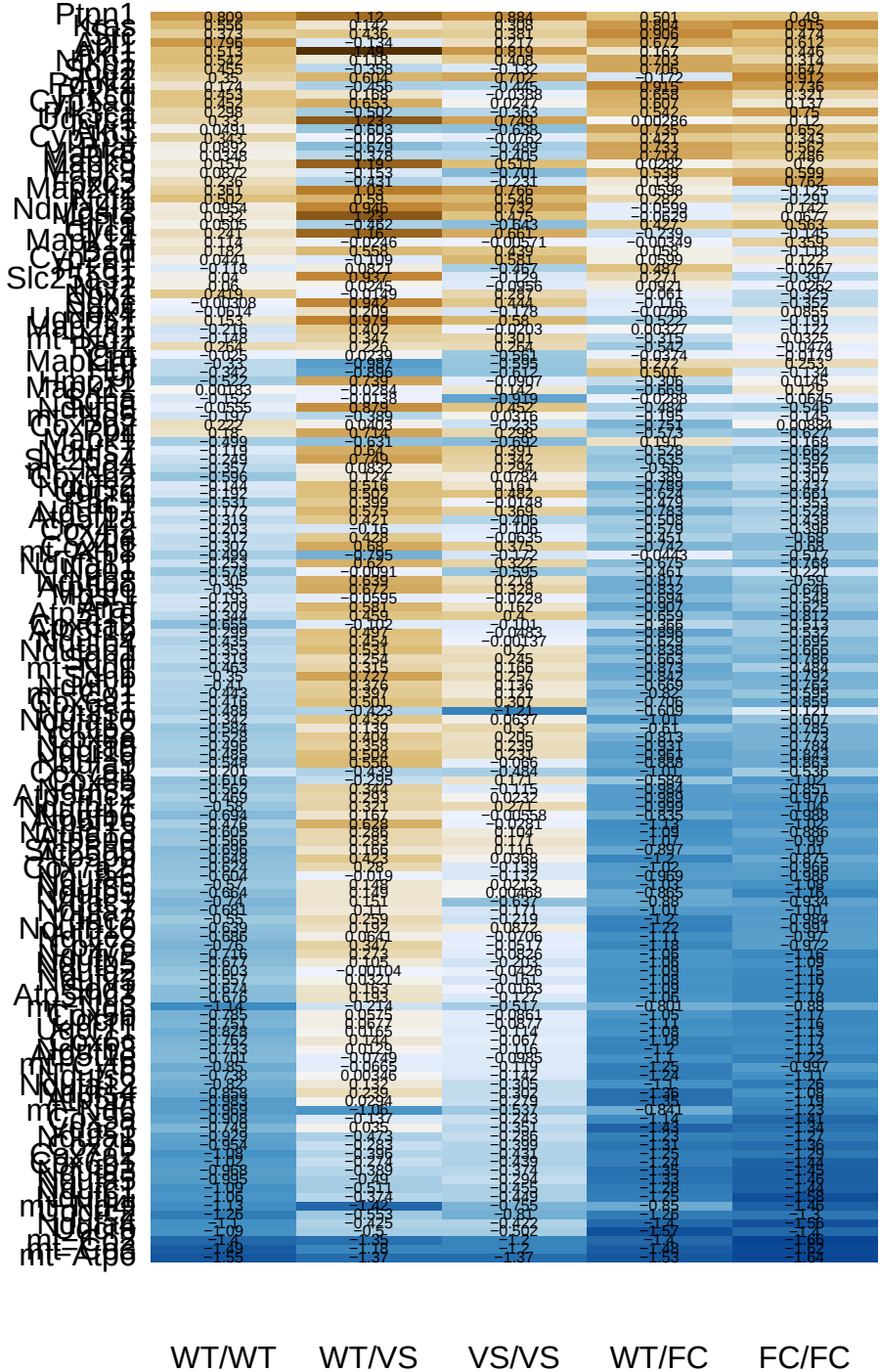
Retrograde endocannabinoid signaling : Mitochondrial Metabolis



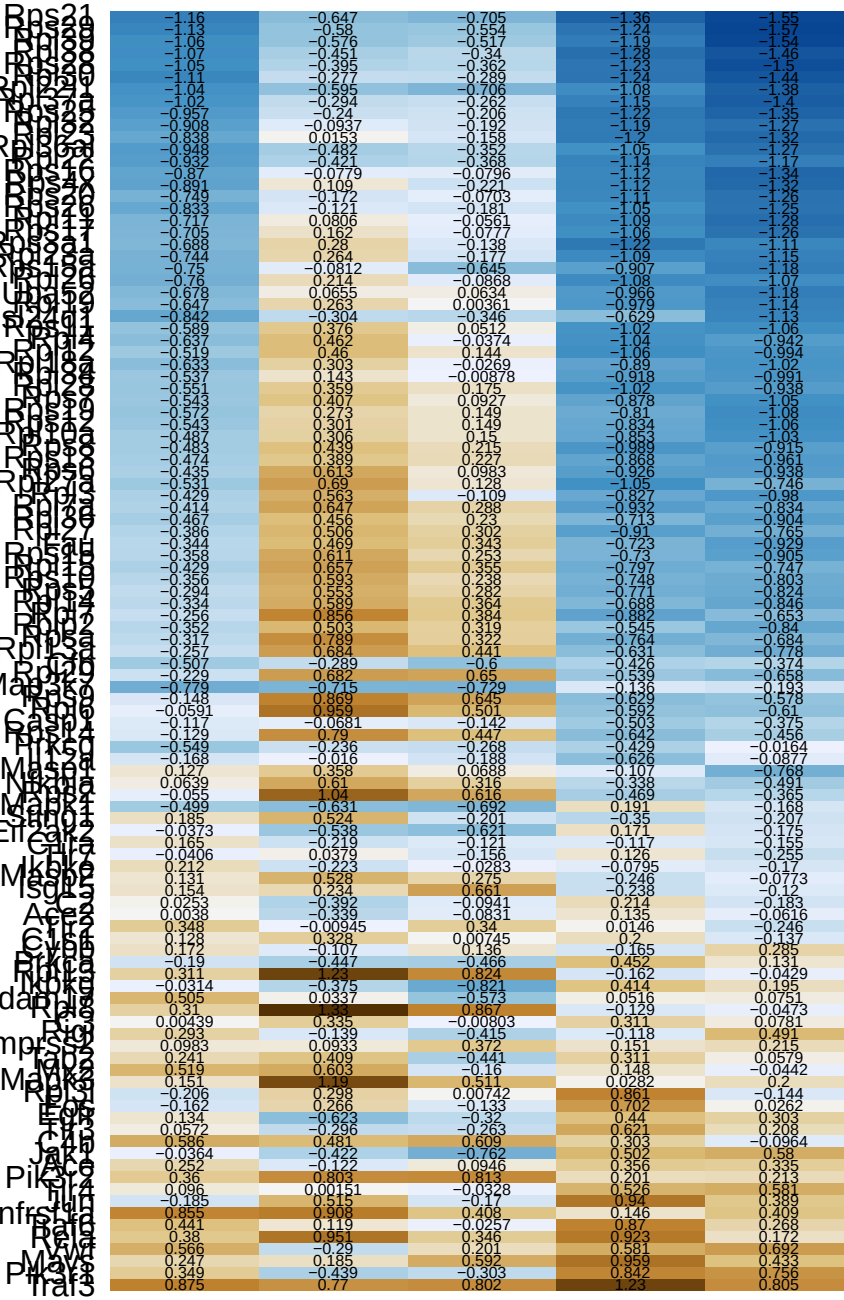
Thermogenesis : Mitochondrial Metabolism



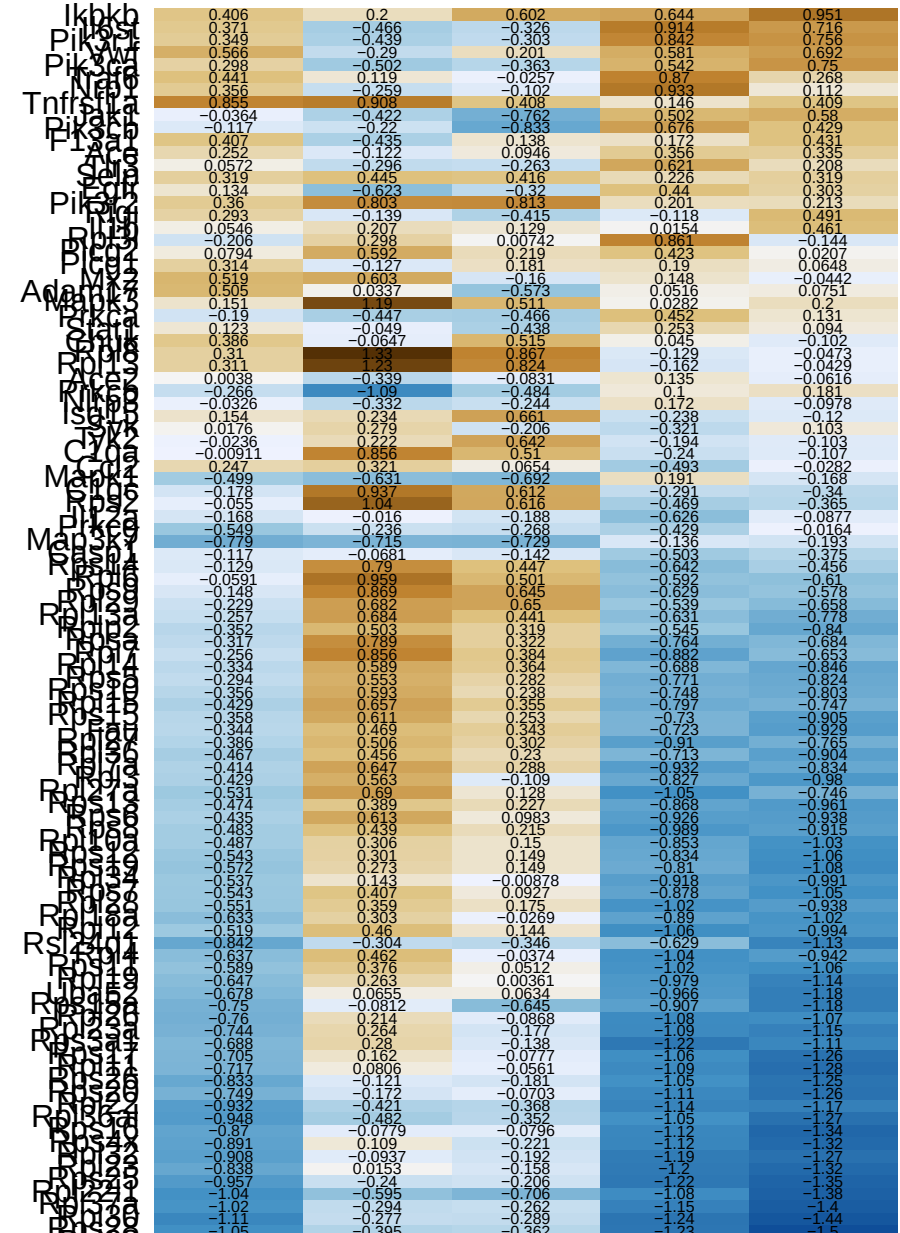
hemical carcinogenesis − reactive oxygen species : Mitochondrial Me



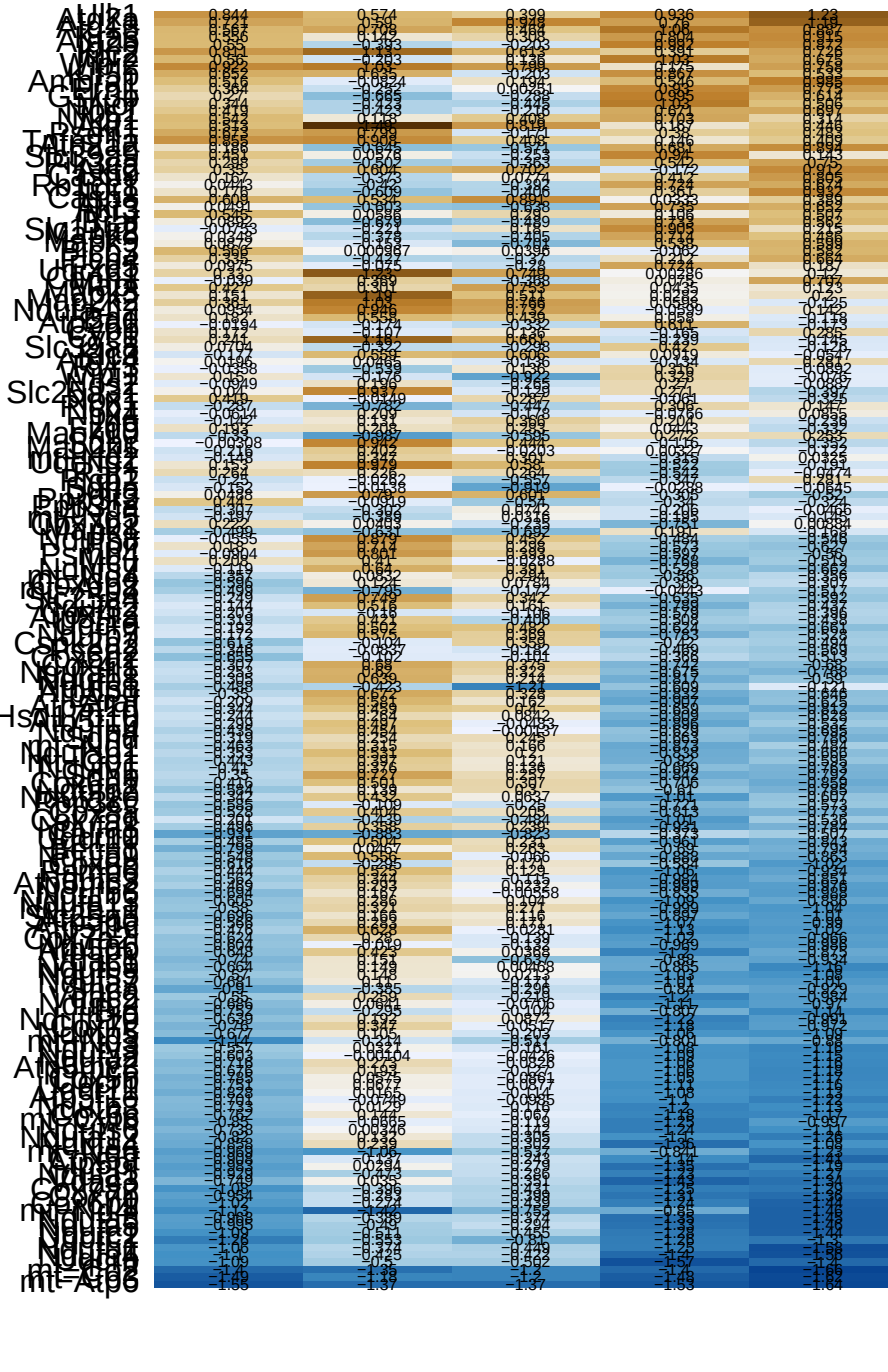
Coronavirus disease − COVID−19 : Proteostasis



Coronavirus disease − COVID−19 : Structural Stabilization

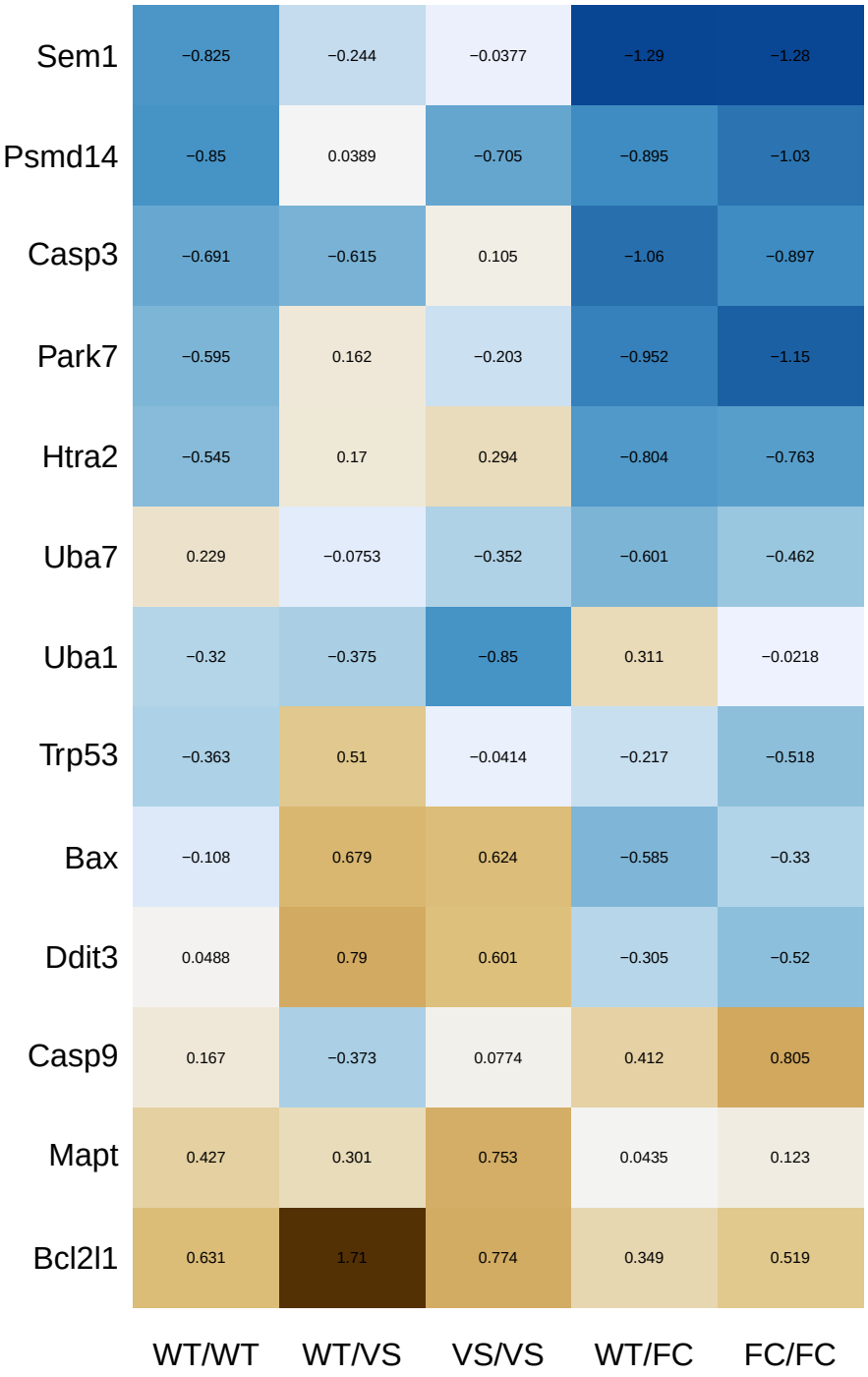


Alzheimer disease : Mitochondrial Metabolism

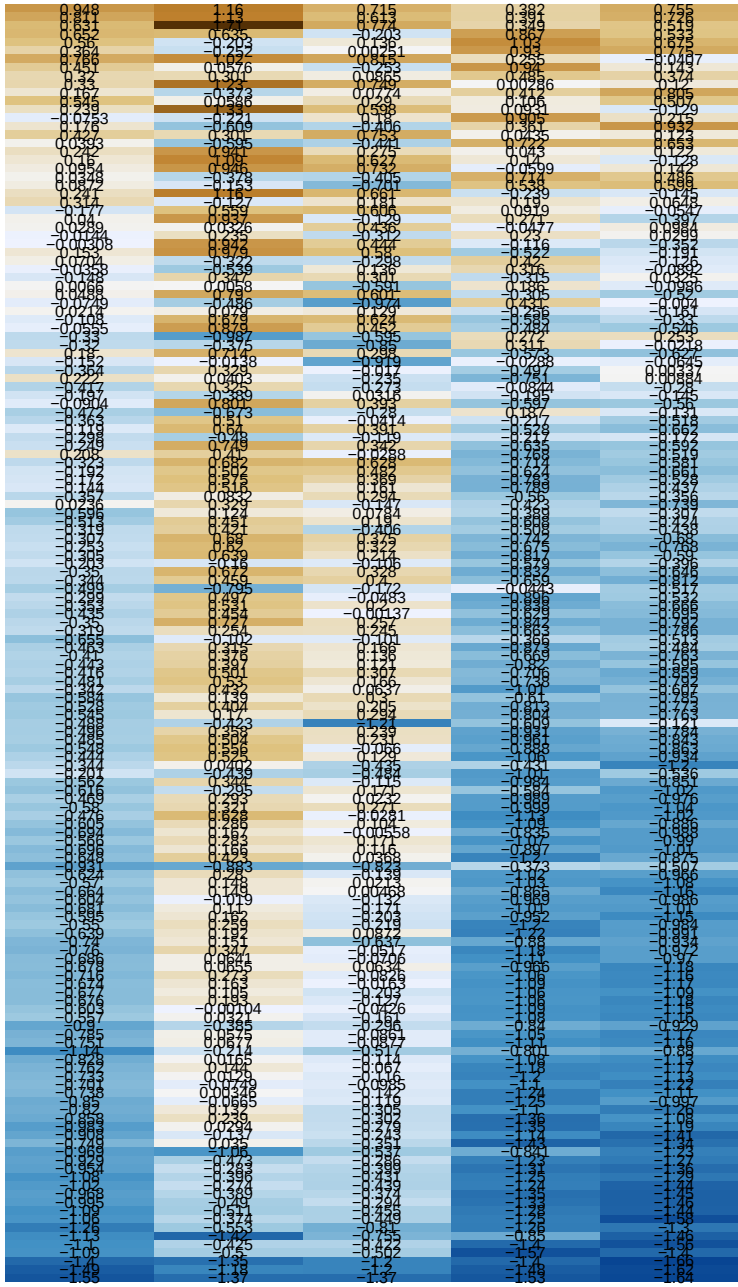


WT/WT WT/VS VS/VS WT/FC FC/FC

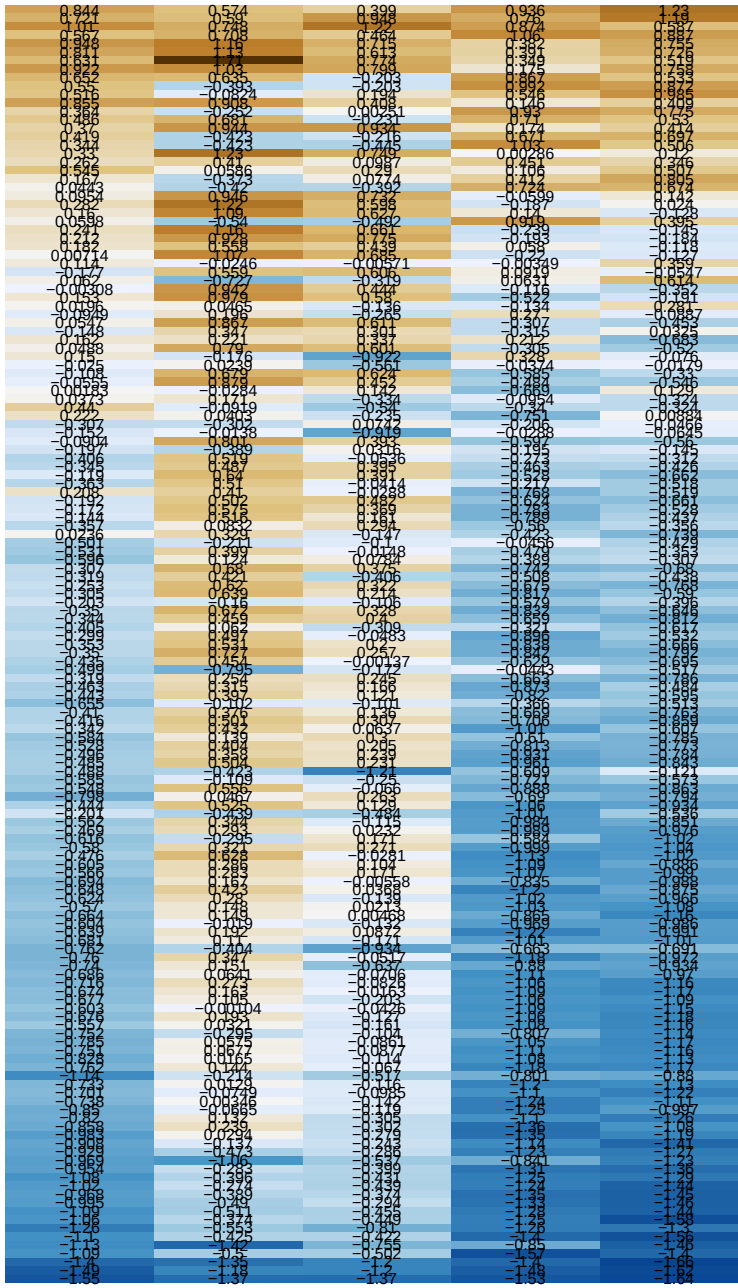
Parkinson disease : DNA Repair



Parkinson disease : Mitochondrial Metabolism

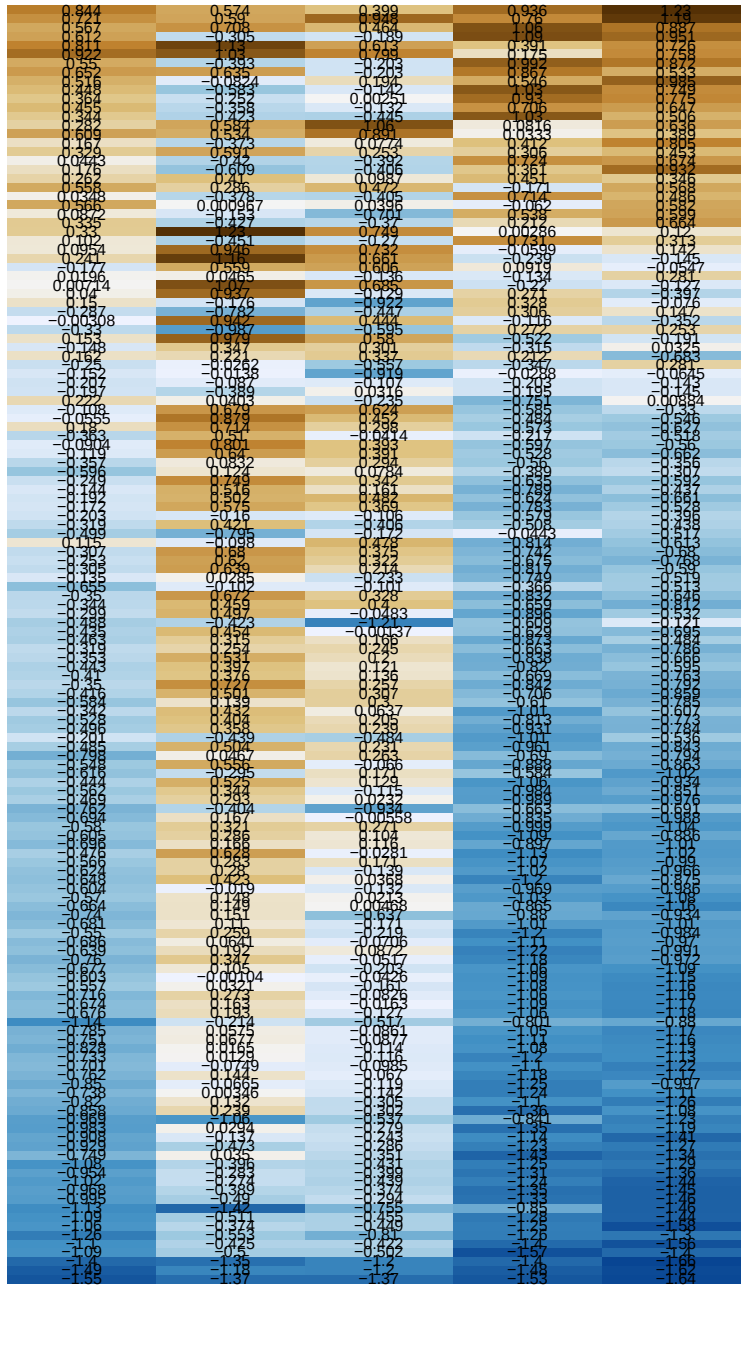


Amyotrophic lateral sclerosis : Mitochondrial Metabolism

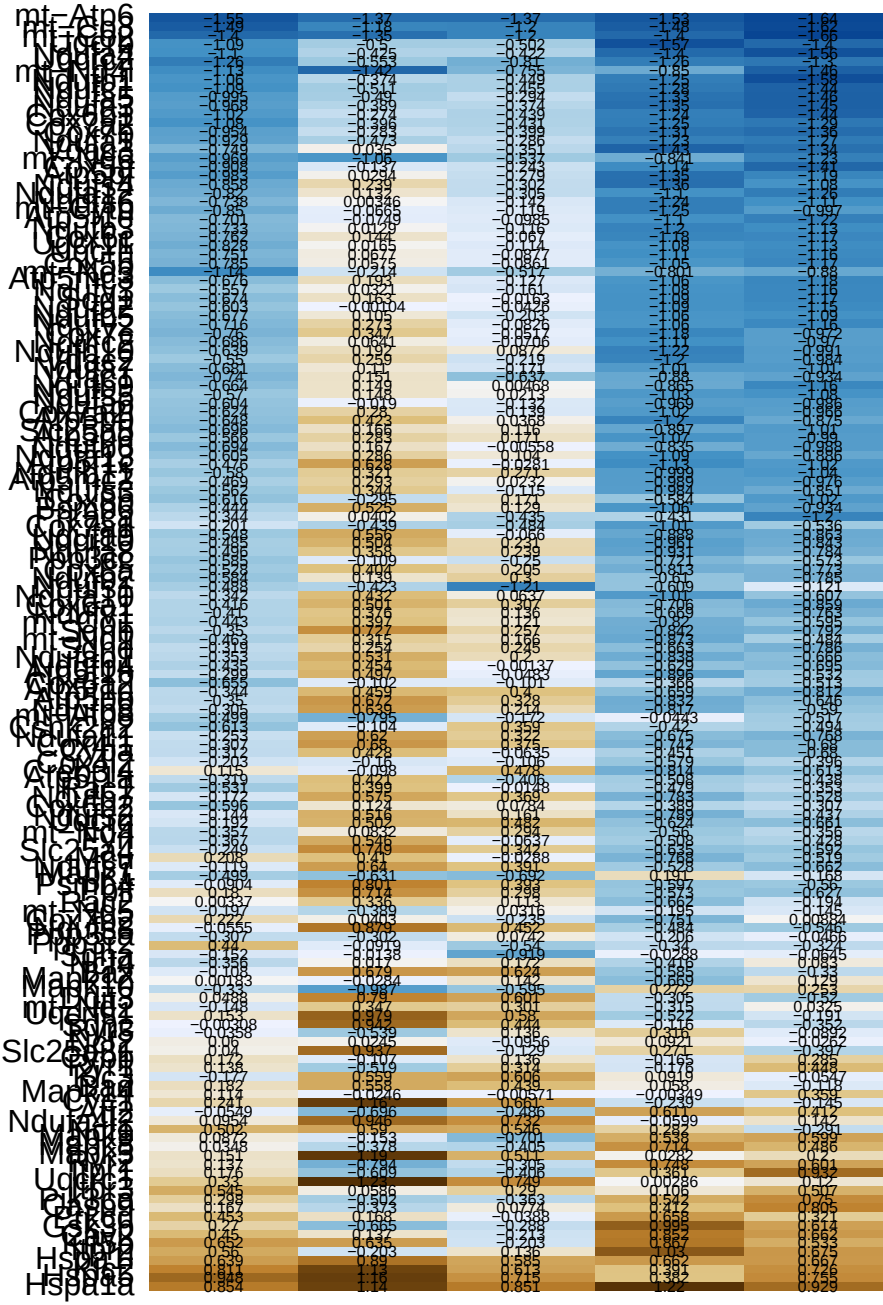


WT/WT WT/VS VS/VS WT/FC FC/FC

Huntington disease : Mitochondrial Metabolism

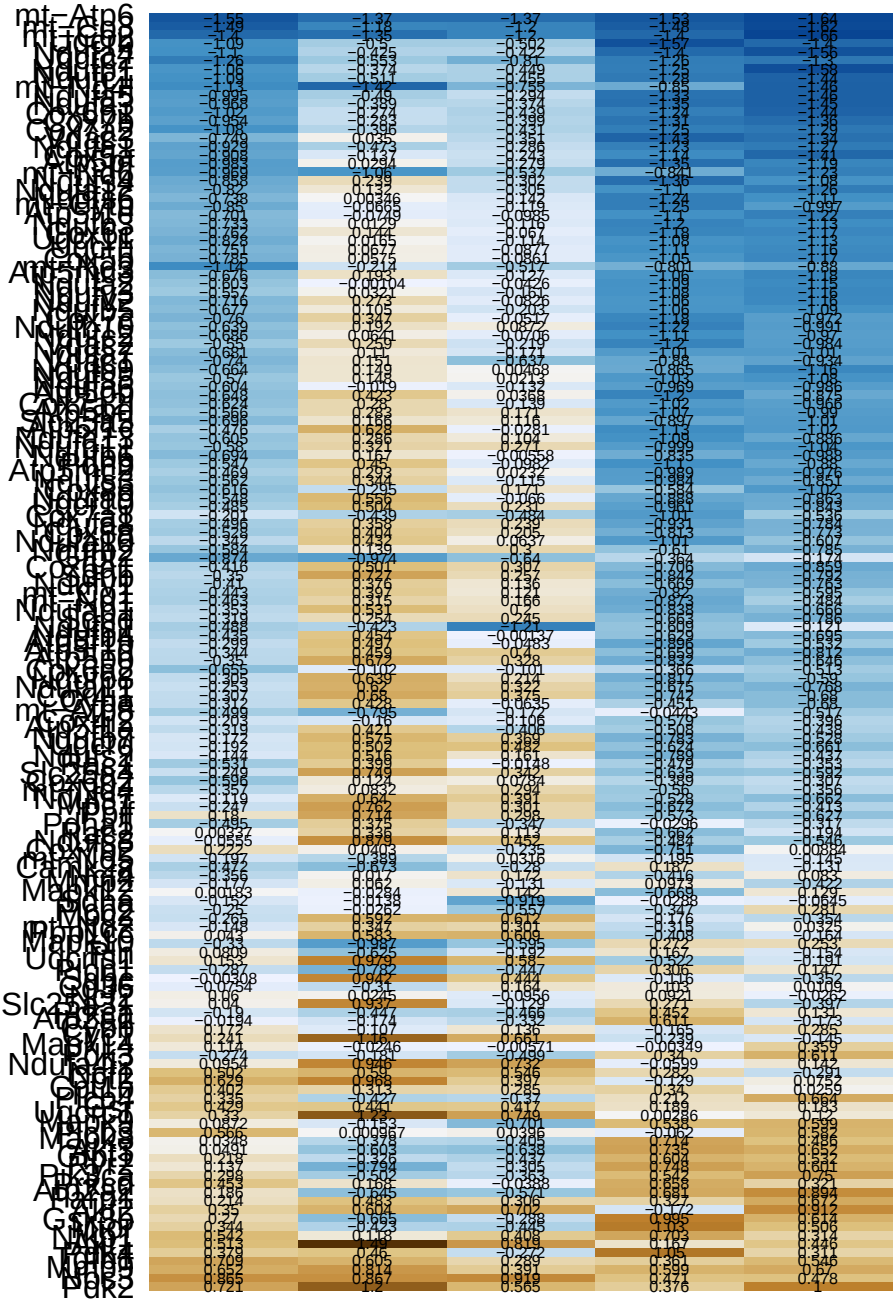


Prion disease : Mitochondrial Metabolism

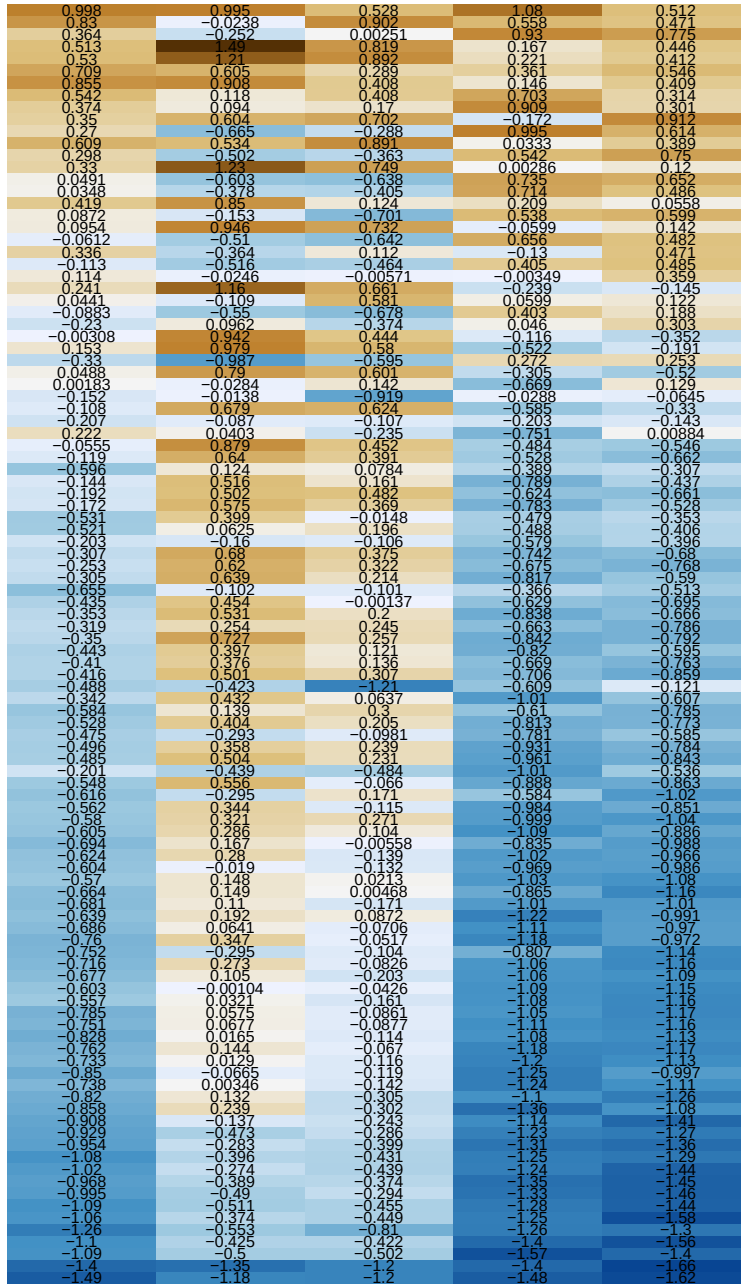


WT/WT WT/VS VS/VS WT/FC FC/FC

Diabetic cardiomyopathy : Mitochondrial Metabolism

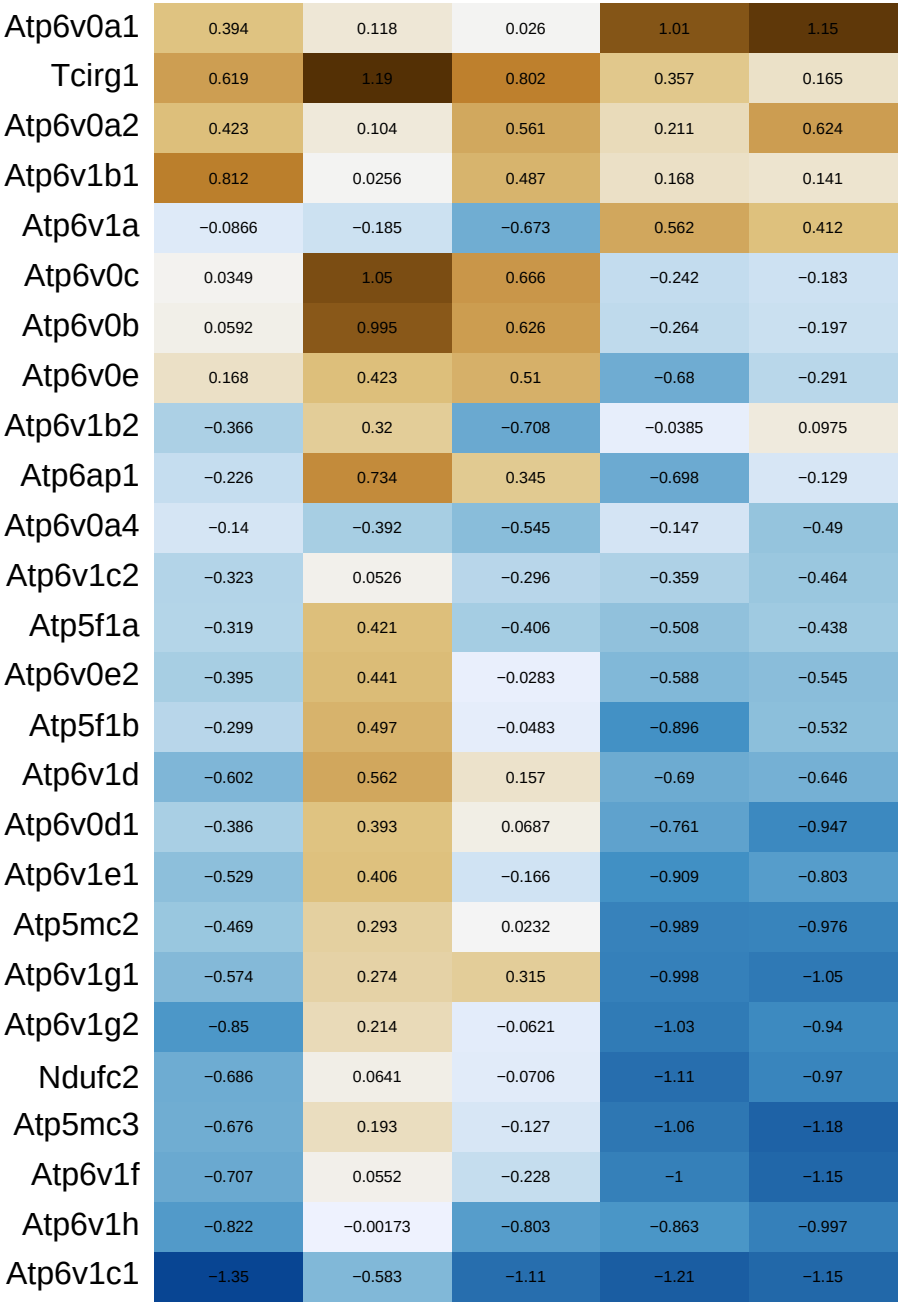


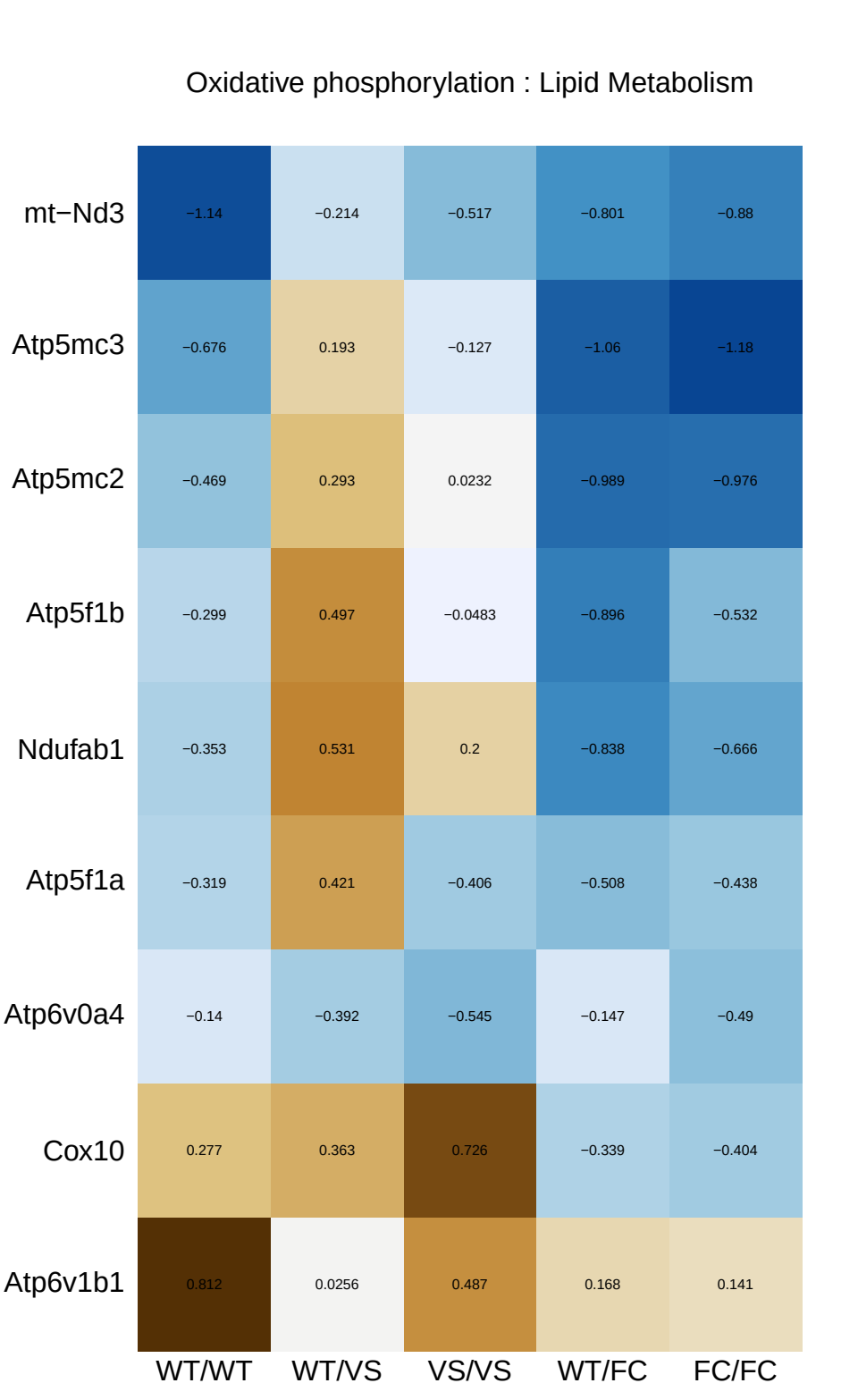
Non−alcoholic fatty liver disease : Mitochondrial Metabolism



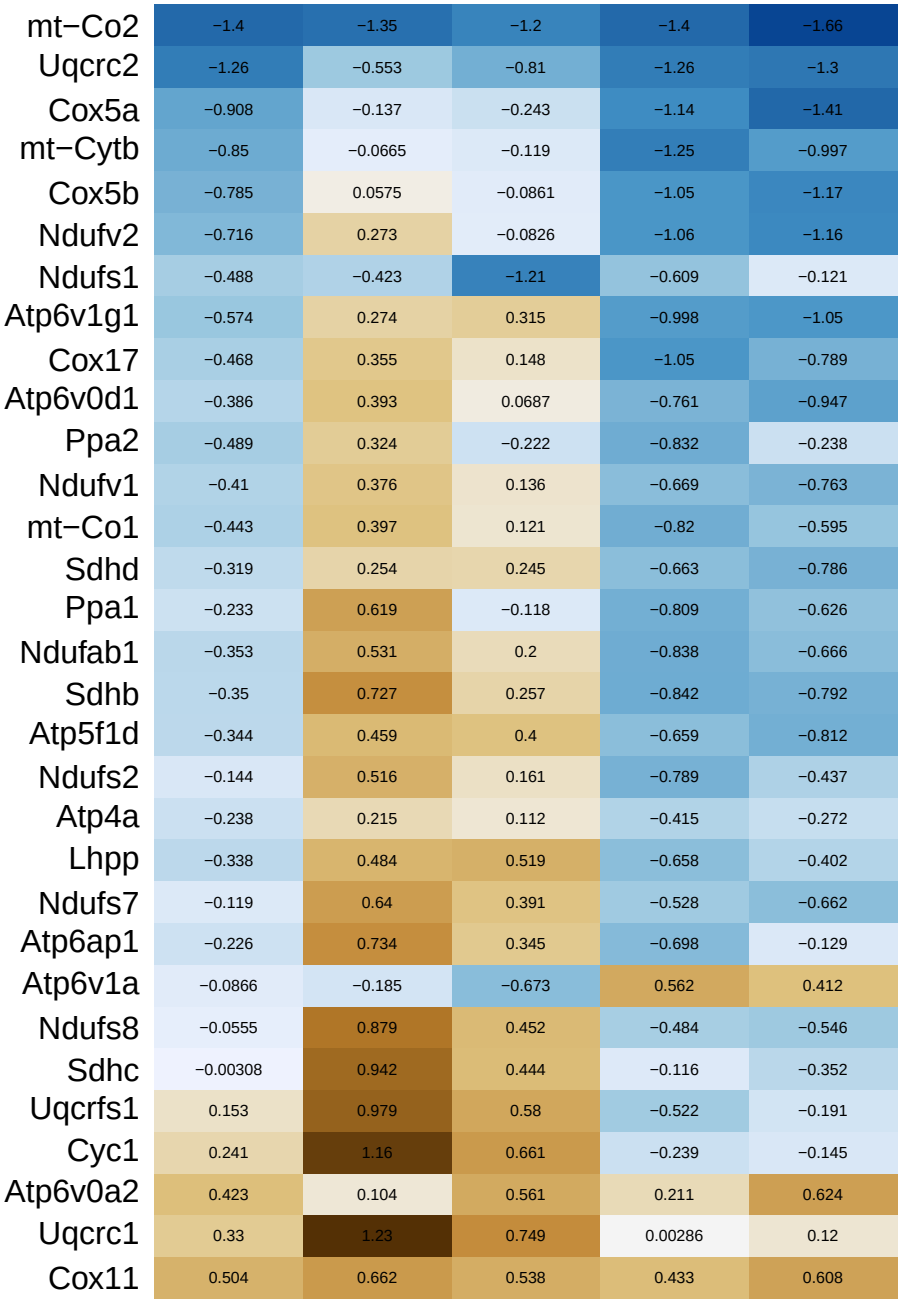
WT/WT WT/VS VS/VS WT/FC FC/FC

Oxidative phosphorylation : Endolysosome

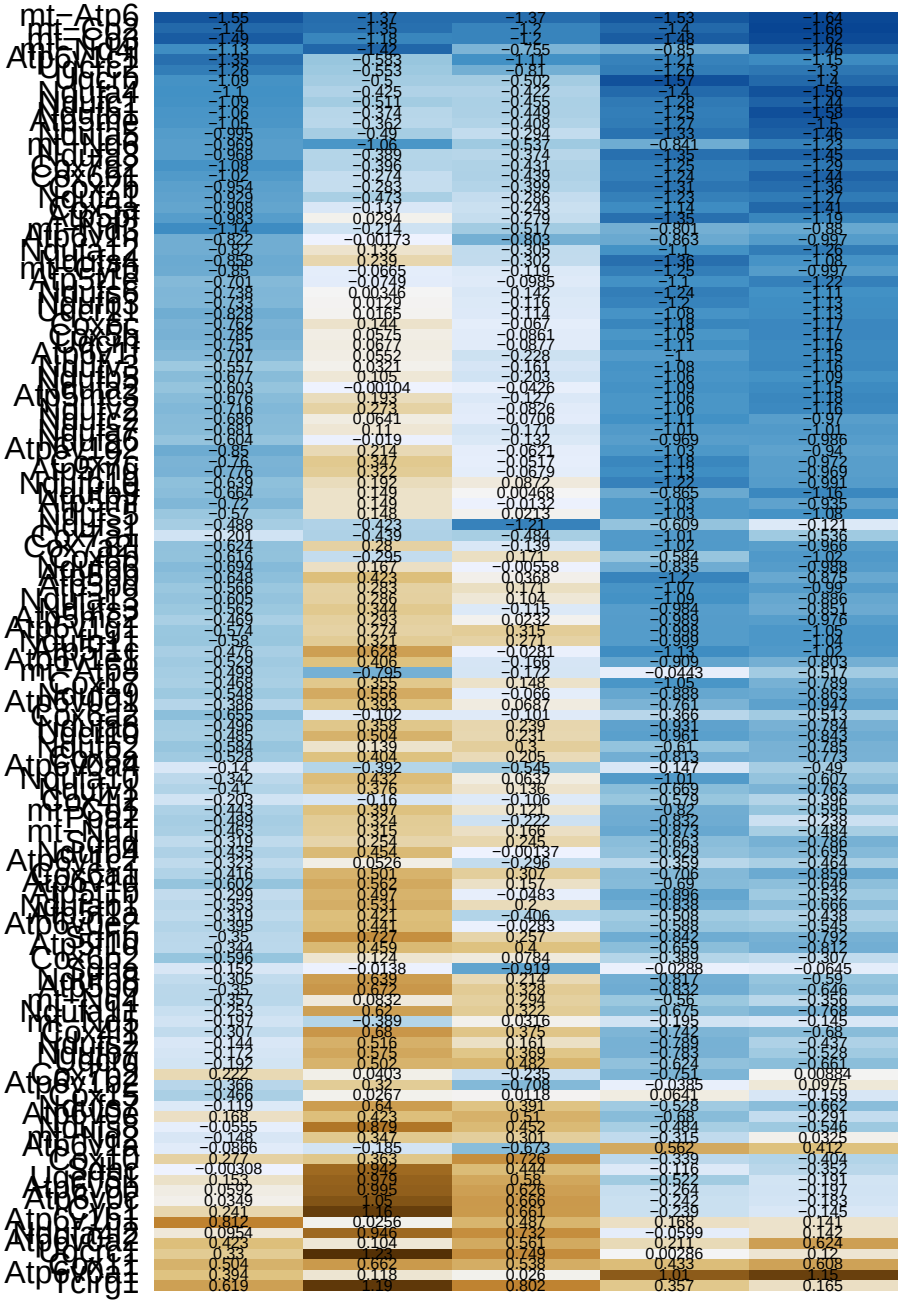



Oxidative phosphorylation : Lipid Metabolism
mt−Nd3
Atp5mc3
Atp5mc2
Atp5f1b
Ndufab1
Atp5f1a
Atp6v0a4
Cox10
Atp6v1b1
−1.14
−0.214
−0.517
−0.801
−0.88
−0.676
0.193
−0.127
−1.06
−1.18
−0.469
0.293
0.0232
−0.989
−0.976
−0.299
0.497
−0.0483
−0.896
−0.532
−0.353
0.531
0.2
−0.838
−0.666
−0.319
0.421
−0.406
−0.508
−0.438
−0.14
−0.392
−0.545
−0.147
−0.49
0.277
0.363
0.726
−0.339
−0.404
0.812
0.0256
0.487
0.168
0.141
WT/WT
WT/VS
VS/VS
WT/FC
FC/FC

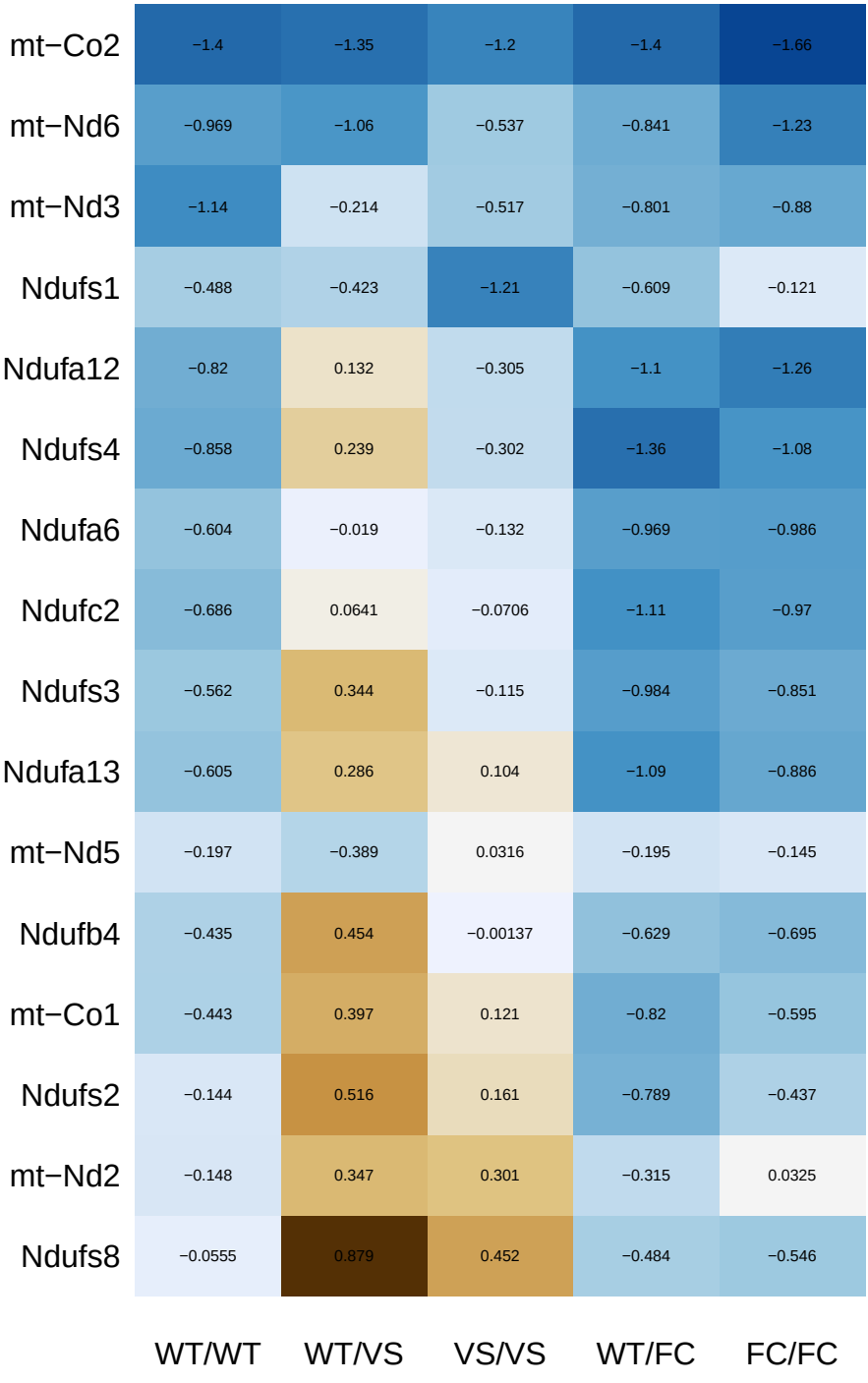
Oxidative phosphorylation : Metal Binding and Homeostasis

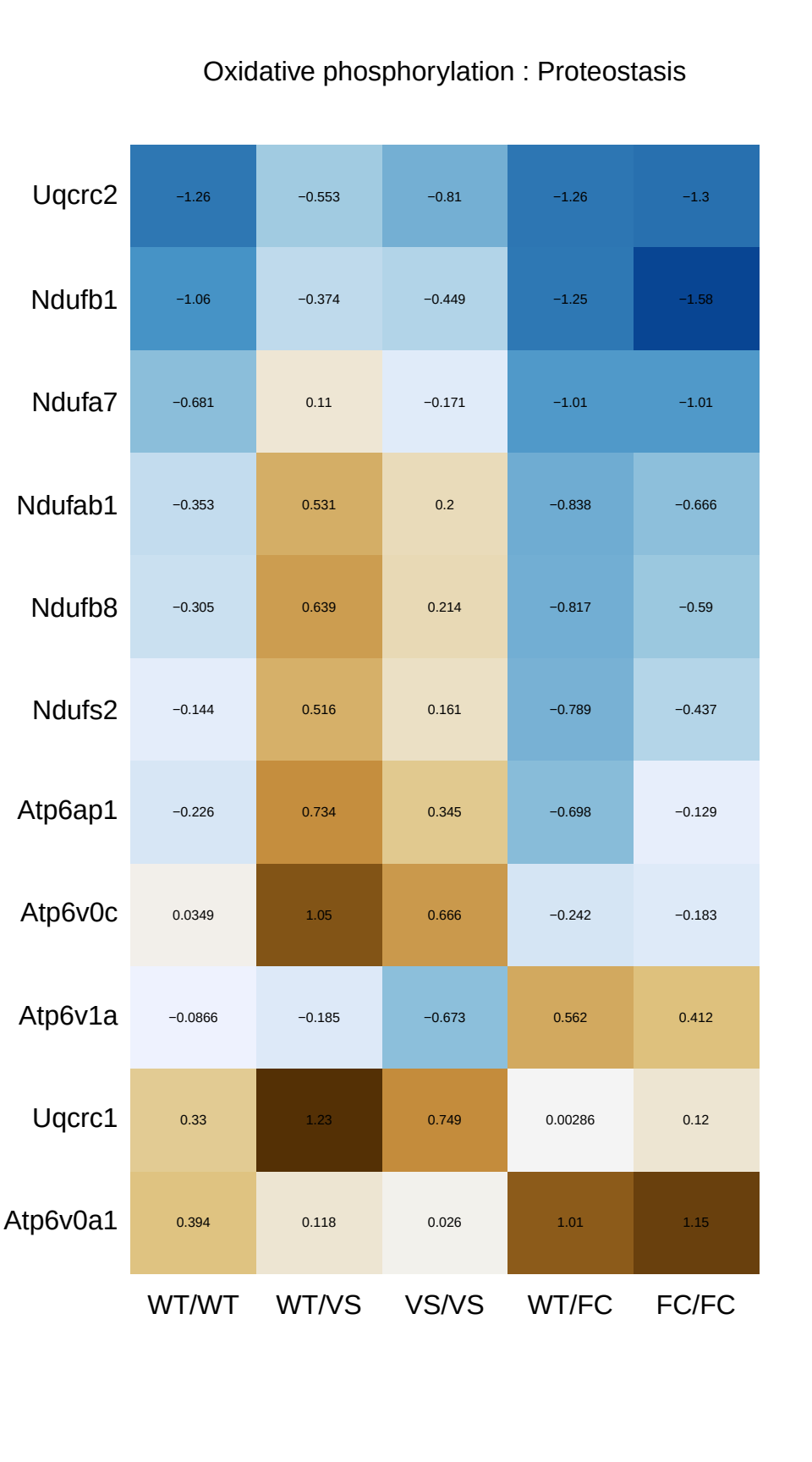


Oxidative phosphorylation : Mitochondrial Metabolism

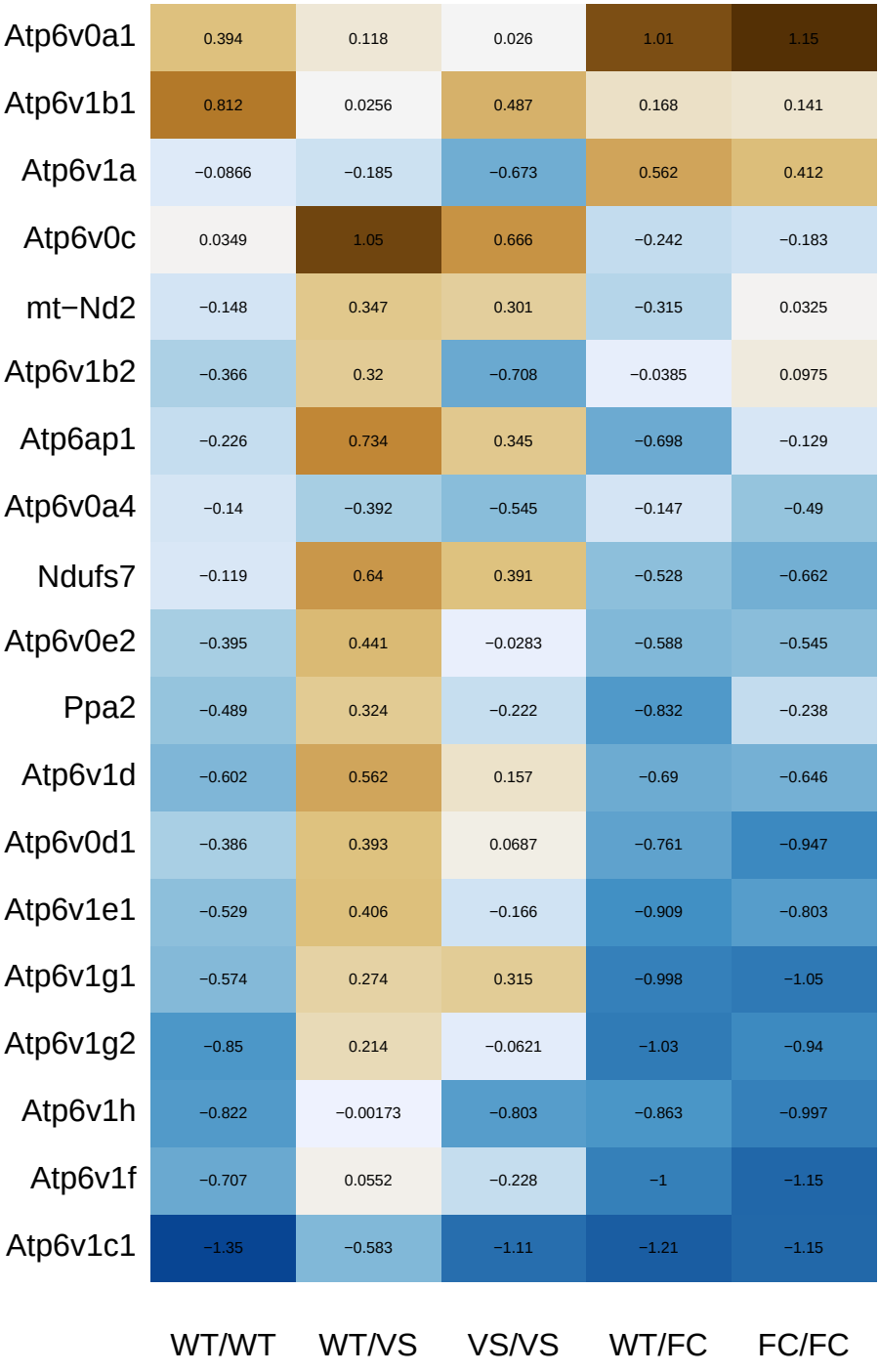


Oxidative phosphorylation : Oxidative Stress

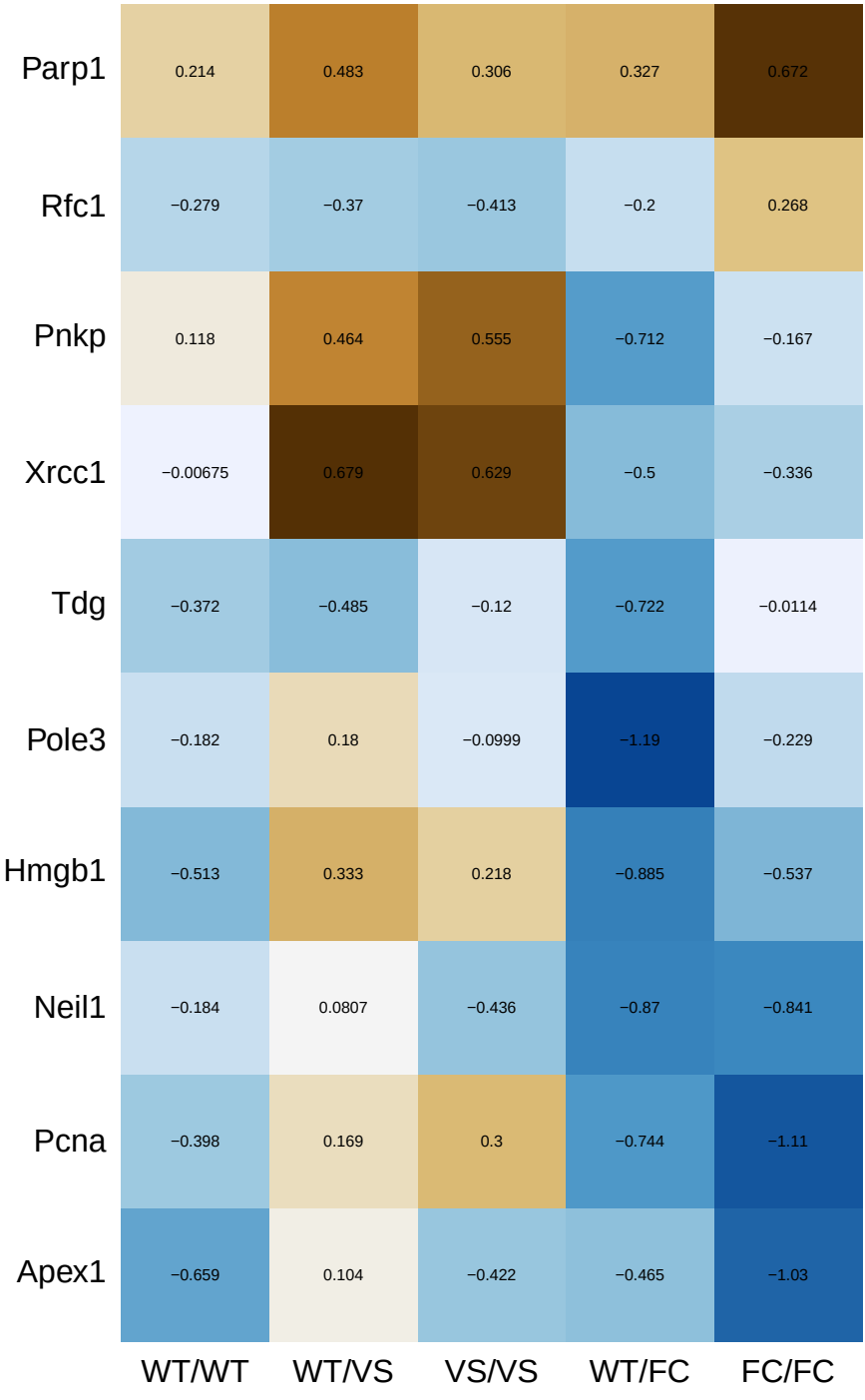



Oxidative phosphorylation : Proteostasis
Uqcrc2
Ndufb1
Ndufa7
Ndufab1
Ndufb8
Ndufs2
Atp6ap1
Atp6v0c
Atp6v1a
Uqcrc1
Atp6v0a1
−1.26 −0.553 −0.81 −1.26 −1.3
−1.06 −0.374 −0.449 −1.25 −1.58
−0.681 0.11 −0.171 −1.01 −1.01
−0.353 0.531 0.2 −0.838 −0.666
−0.305 0.639 0.214 −0.817 −0.59
−0.144 0.516 0.161 −0.789 −0.437
−0.226 0.734 0.345 −0.698 −0.129
0.0349 1.05 0.666 −0.242 −0.183
−0.0866 −0.185 −0.673 0.562 0.412
0.33 1.23 0.749 0.00286 0.12
0.394 0.118 0.026 1.01 1.15
WT/WT
WT/VS
VS/VS
WT/FC
FC/FC

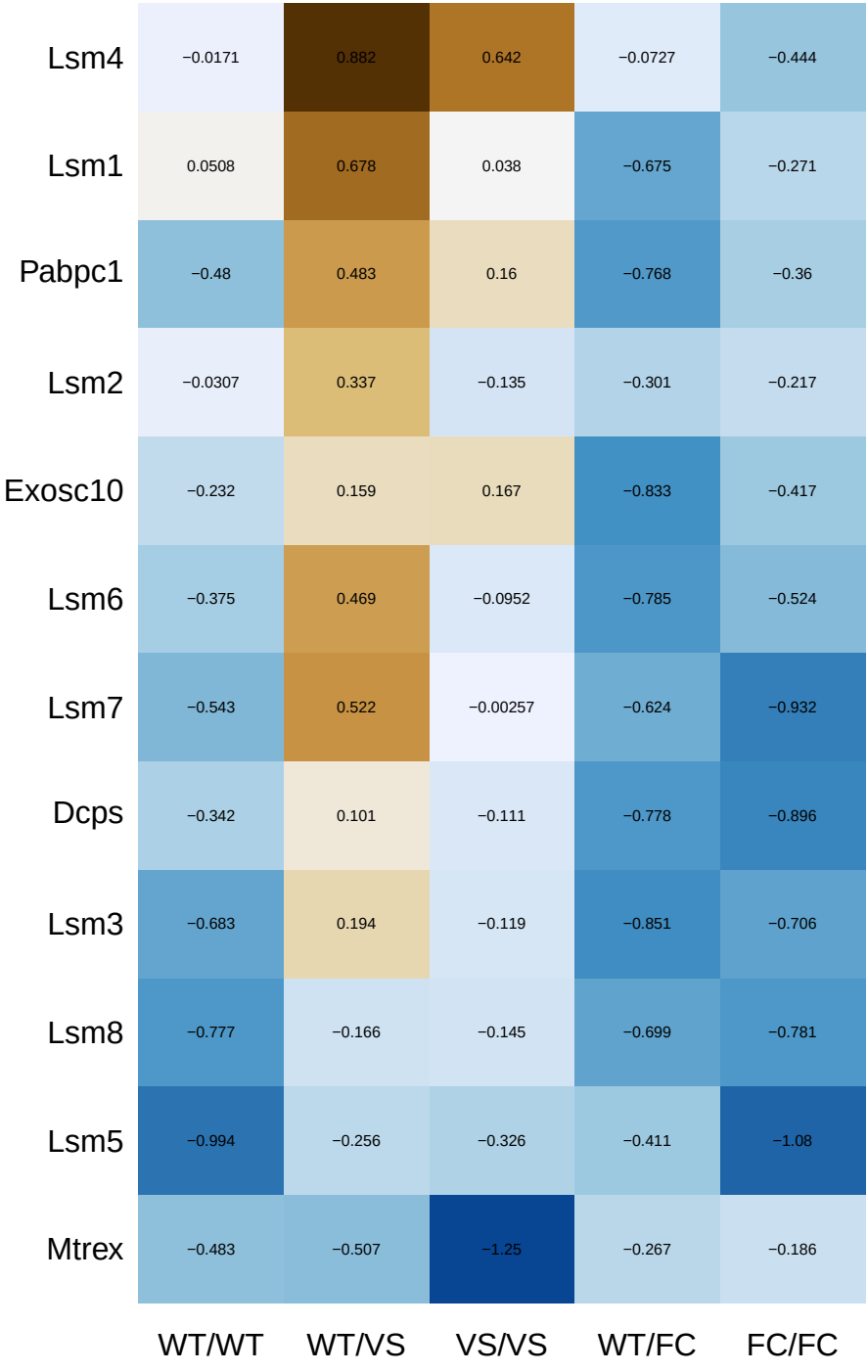
Oxidative phosphorylation : Synapse



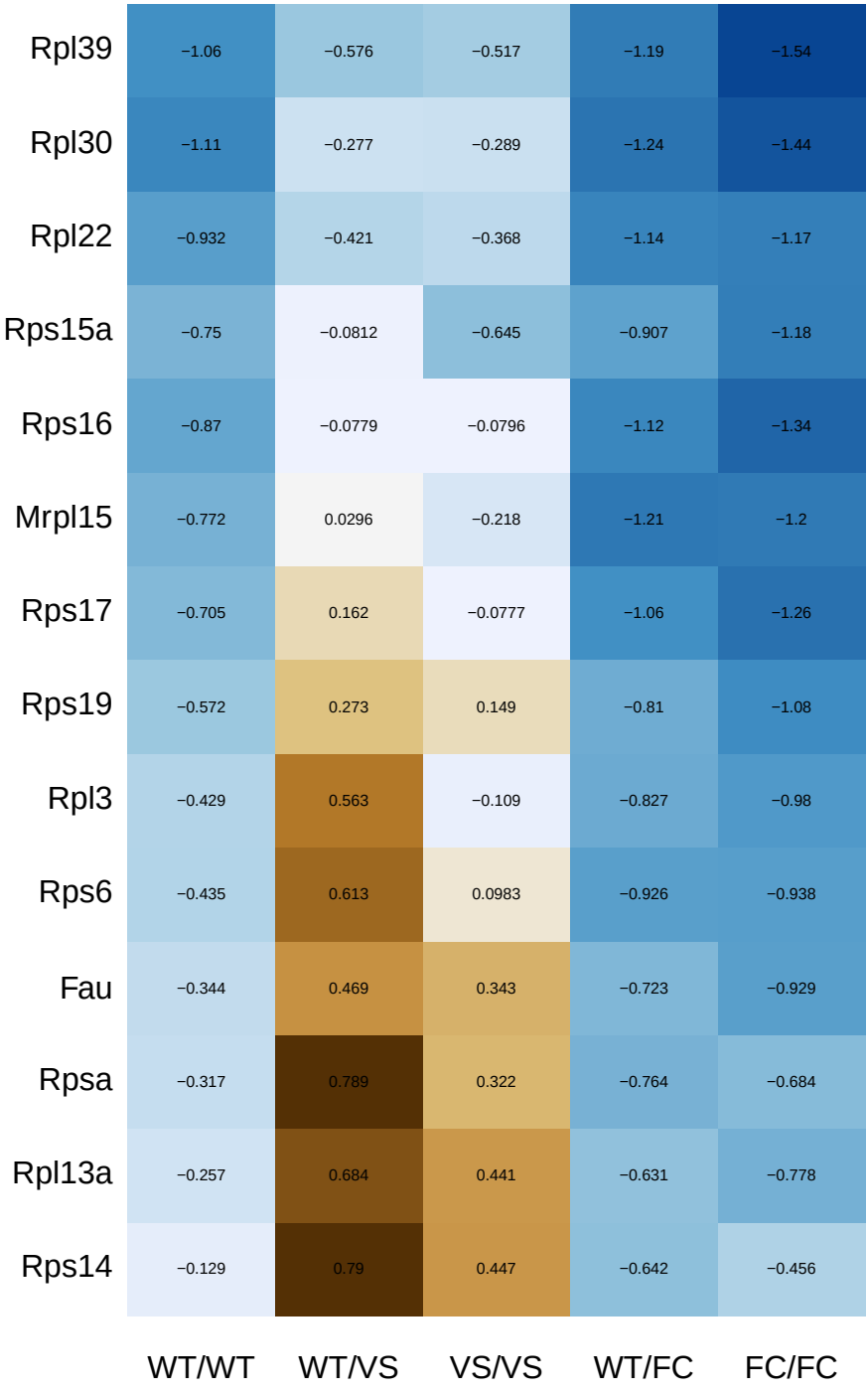
Base excision repair : Epigenetic



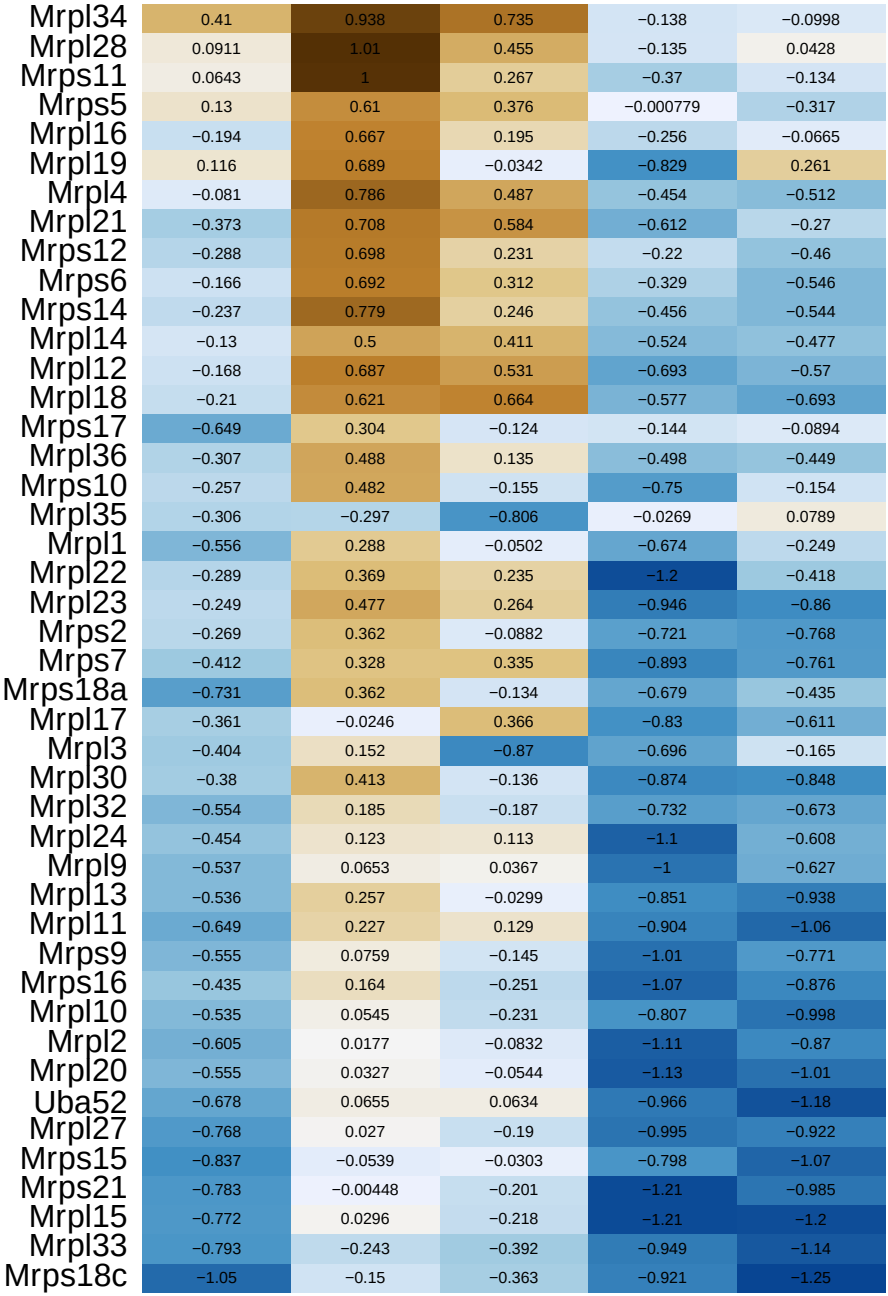
RNA degradation : RNA Spliceosome



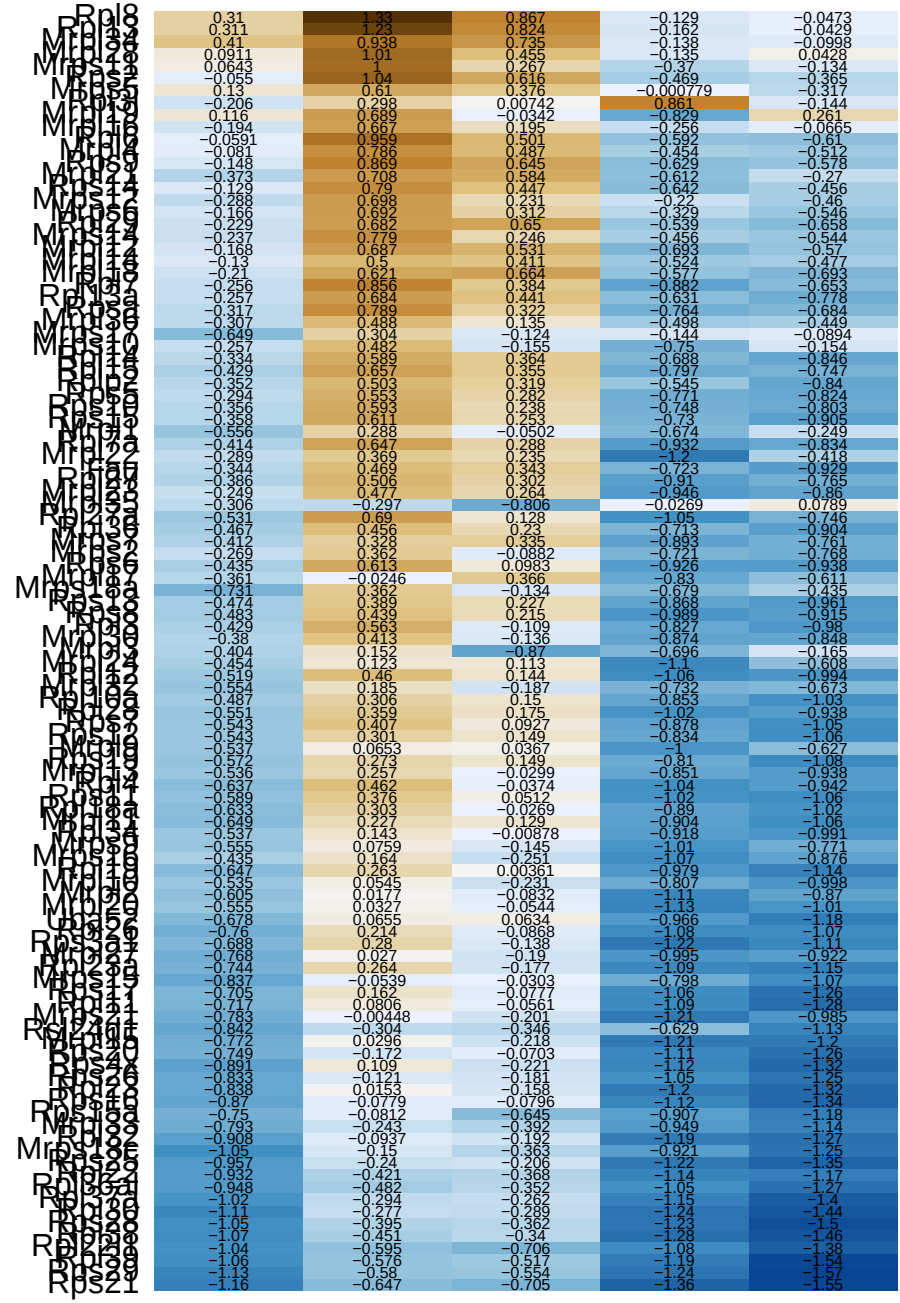
Ribosome : Immune Response



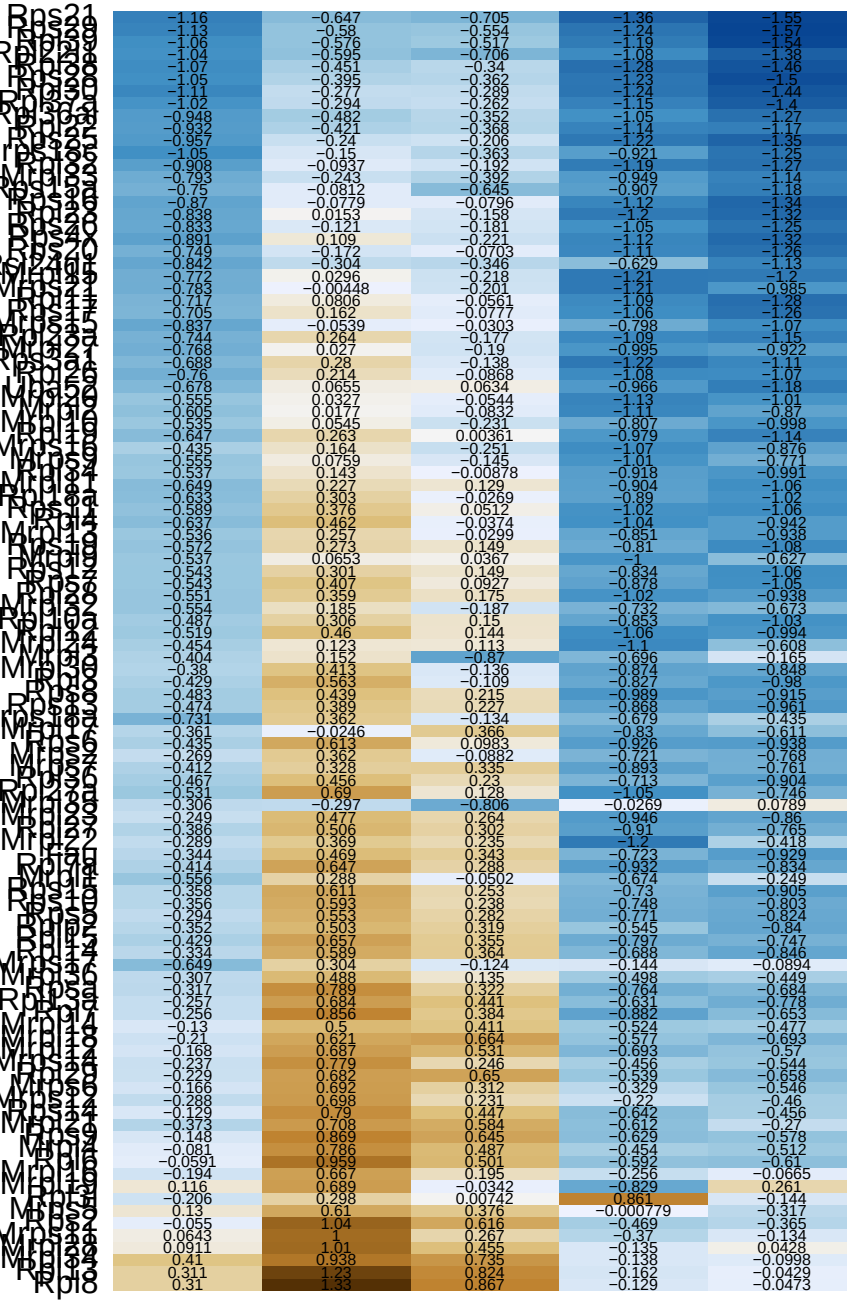
Ribosome : Mitochondrial Metabolism



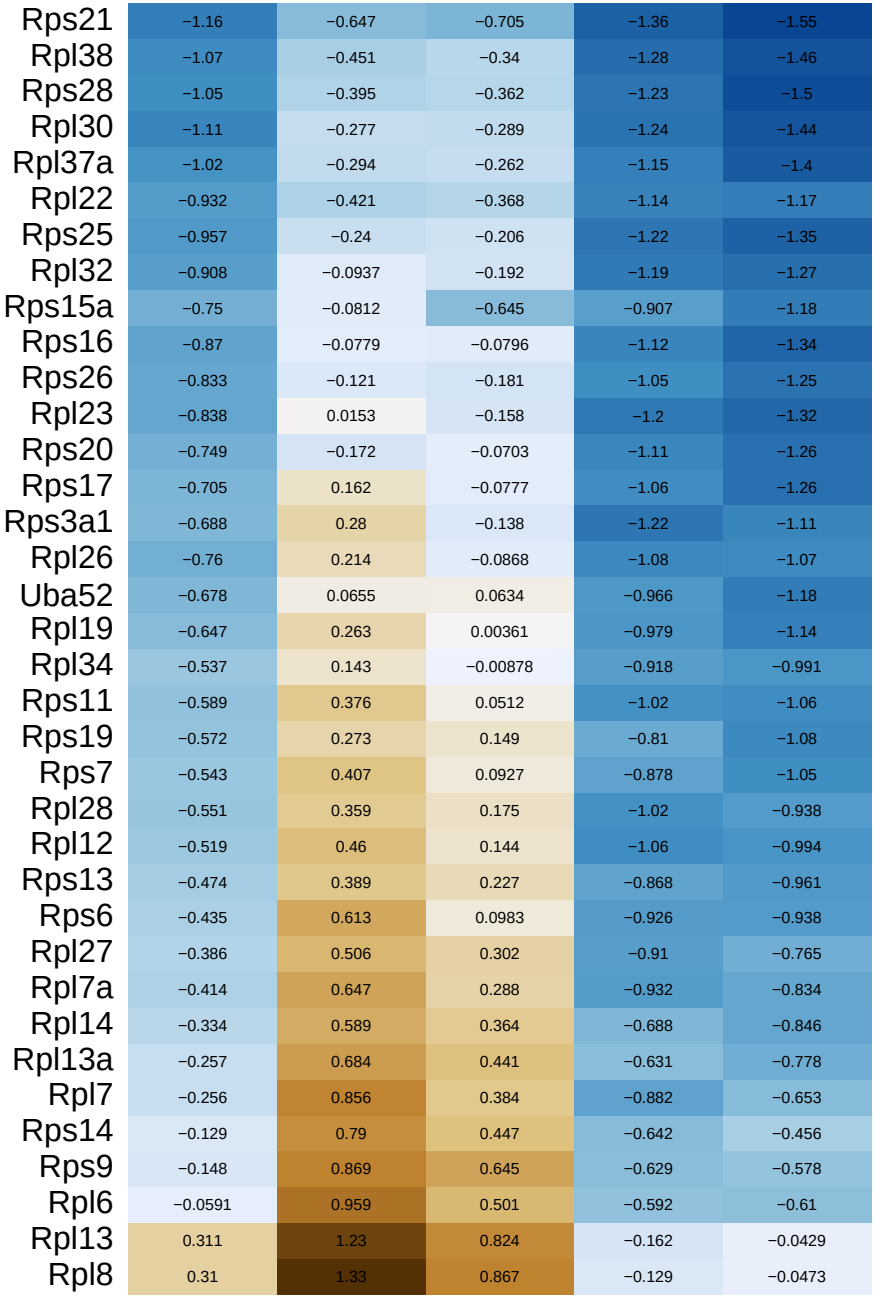
Ribosome : Proteostasis



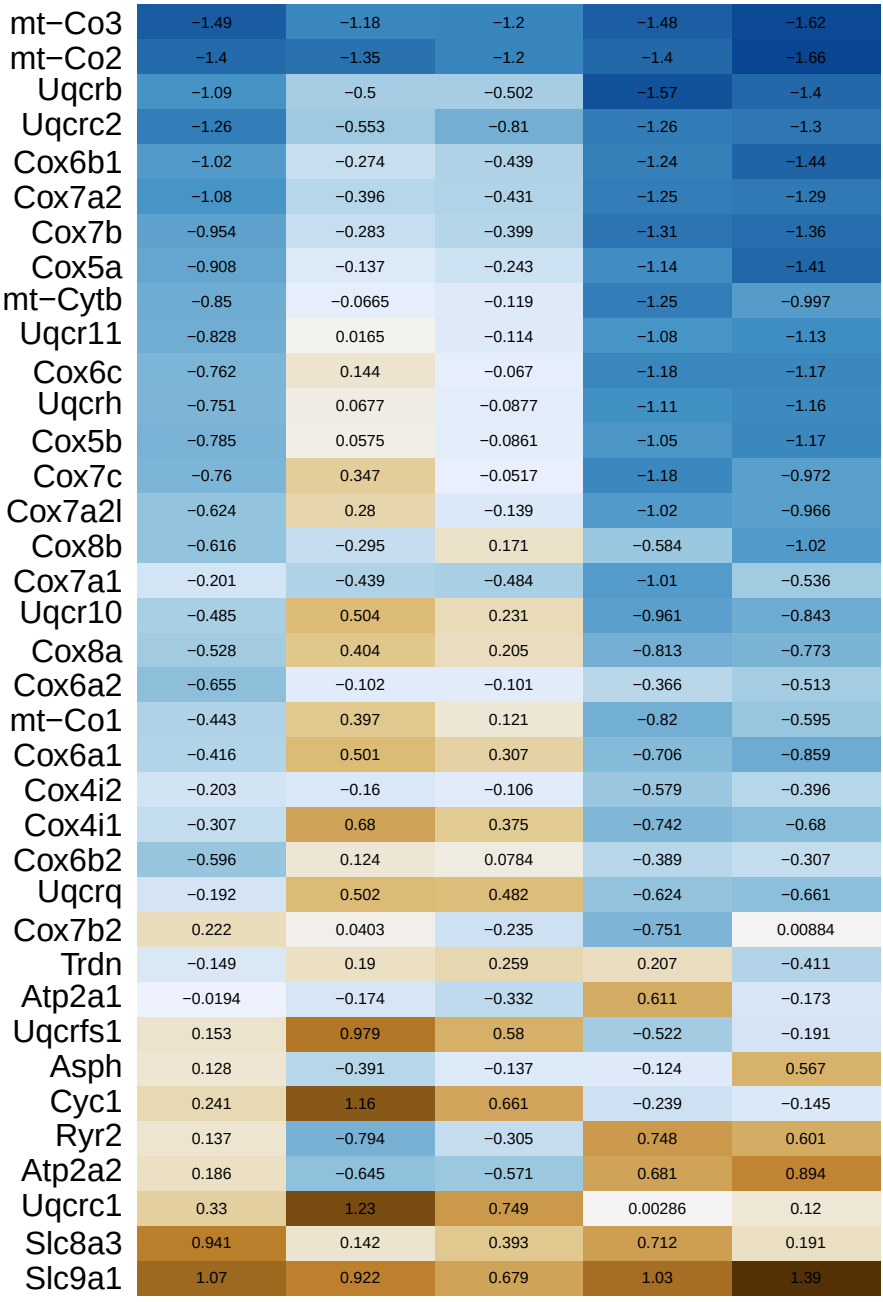
Ribosome : Structural Stabilization



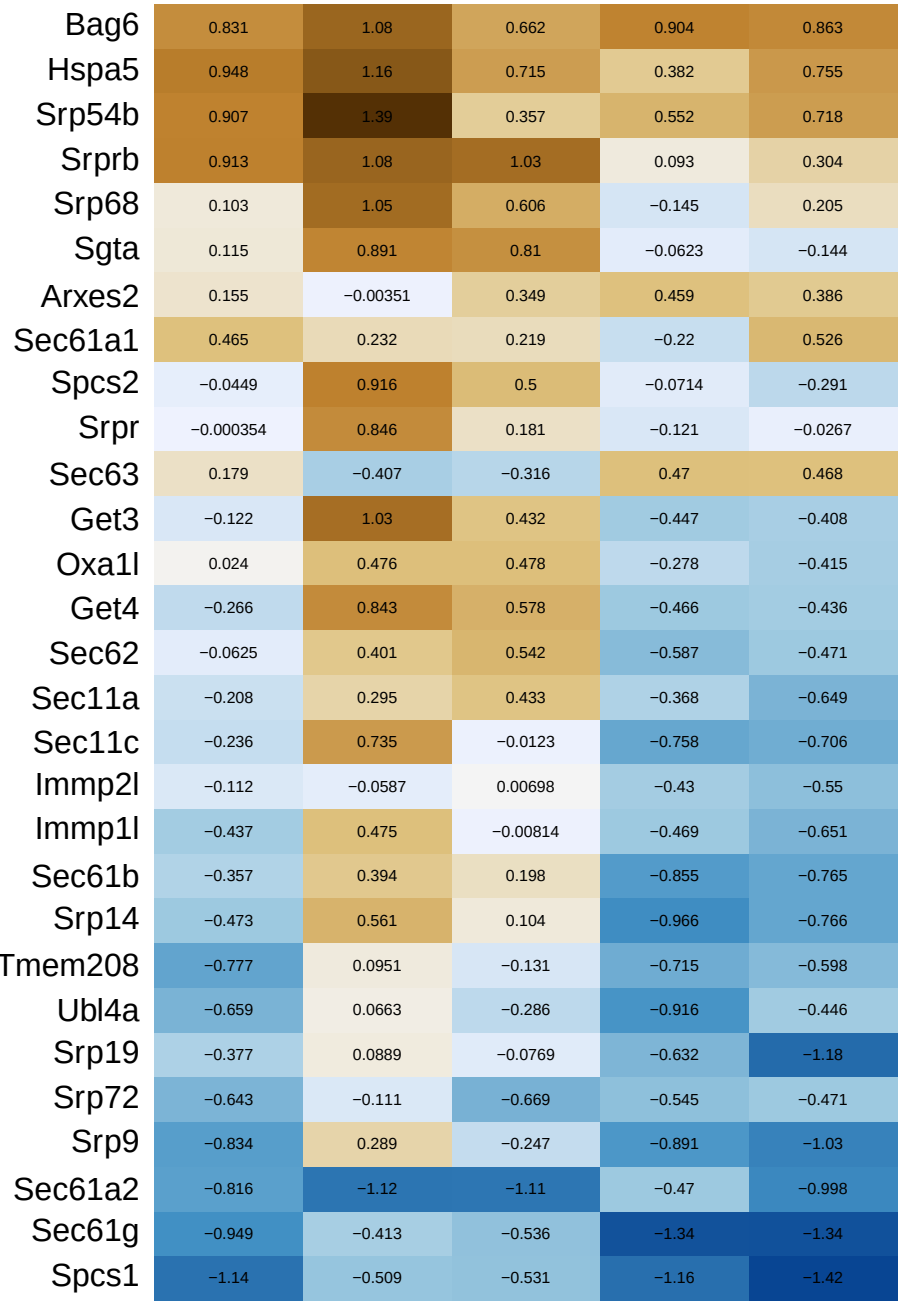
Ribosome : Synapse



Cardiac muscle contraction : Mitochondrial Metabolism



Protein export : Proteostasis



Proteasome : Proteostasis