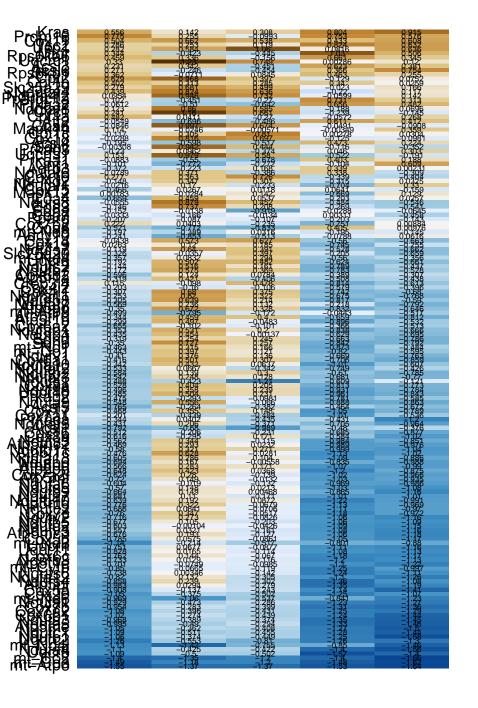
Spliceosome: Metal Binding and Homeostasis

Srsf7	0.504	0.696	0.566	0.475	0.33
Sf3a2	0.3	0.971	0.687	-0.145	0.434
Prpf8	0.202	-0.444	-0.53	0.817	0.771
Usp39	-0.108	0.743	0.0544	0.111	0.0214
Snrpc	0.0627	0.731	0.792	-0.653	-0.288
U2af1I4	-0.362	0.496	0.274	-0.862	-0.21
Rp9	-0.116	0.511	0.408	-0.503	-0.739
Slu7	-0.00902	0.316	-0.516	-0.434	-0.532
Sf3a3	-0.274	0.343	-0.268	-0.676	-0.674
Rbm22	-0.699	-0.0216	-0.0901	-0.363	-0.571
Phf5a	-0.482	0.177	0.309	-0.807	-0.768
Fus	-0.37	-1.24	-0.185	-0.31	-0.419
U2af2	-0.556	-0.0287	-0.00681	-0.585	-1.09
U2af1	-0.7	-0.343	-0.145	-0.991	-1.19
Zmat2	-1.15	-0.773	-0.52	-1.31	-1.43
	WT/WT	WT/VS	VS/VS	WT/FC	FC/FC

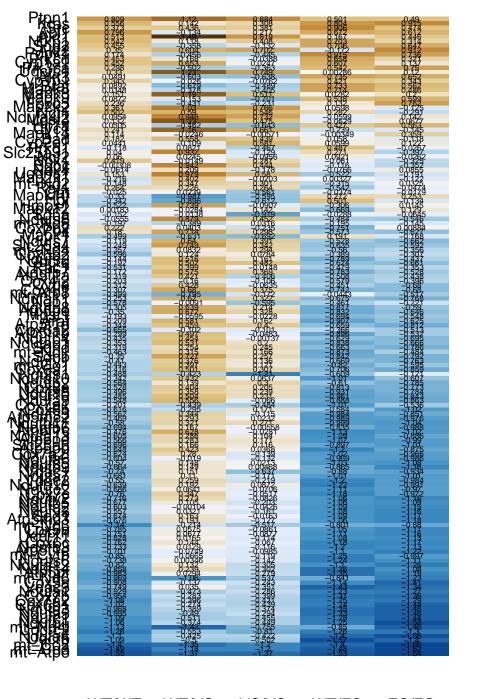
Retrograde endocannabinoid signaling: Mitochondrial Metabolis

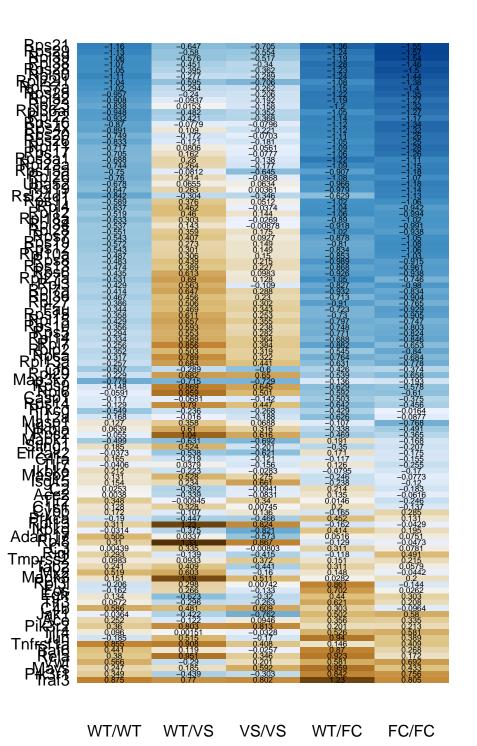
NIdurfo 1	4.4	0.405	0.400	4.4	4.50
Nguia4	-1.1	-0.425 -0.374	-0.422 -0.449	−1.4 −1.25	−1.56 −1.58
Manfol	-1.06 -1.09	-0.511	-0.449 -0.455	-1.28	-1.44
Nantar	-0.995	-0.49	-0.294	-1.33	-1.46
NANtas	-0.968	-0.389	-0.374	-1.35	-1.45
Nantar	-0.929	-0.473	-0.286	-1.23	-1.27
mt-Nd4l	-1.13	-1.42	-0.755	-0.85	-1.46
''ไปเป๋าไร้ฐไ	-0.858	0.239	-0.302	-1.36	-1.08
N'dŭfä't7	-0.82	0.132	-0.305	-1.1	-1.26
1 1 MMiifish	-0.738	0.00346	-0.142	-1.24	-1.11
Ndŭf63	-0.733	0.0129	-0.116	-1.2	-1.13
mt=Nd6	-0.969	-1.06	-0.537	-0.841	-1.23
Ndutv2	-0.716	0.273	-0.0826	-1.06	-1.16
Nduta2	-0.603	-0.00104	-0.0426	-1.09	-1.15
. Ndutv3	-0.557	0.0321	-0.161	-1.08	-1.16
Ndutb.10	-0.639	0.192	0.0872	-1.22	-0.991
Ndutbb	-0.677	0.105	-0.203	-1.06	-1.09
Ndutc2	-0.686	0.0641	-0.0706	-1.11	-0.97
Ndutb9	-0.664	0.149	0.00468	-0.865	-1.16
gatupyj	-0.57	0.148	0.0213	-1.03	-1.08
Mantax	-0.681	0.11	-0.171	-1.01	-1.01
WI-INd?	-1.14	-0.214	-0.517	-0.801	-0.88
Nguto11	-0.58	0.321	0.271	-0.999	-1.04
nggiaia	-0.605	0.286	0.104	-1.09	-0.886
Nduta6	-0.604	-0.019	-0.132	-0.969	-0.986
Ngutbb	-0.694	0.167	-0.00558	-0.835	-0.988
Nduts3 Nduta9	-0.562	0.344	-0.115	-0.984	-0.851
Ndulag	-0.548 -0.496	0.556 0.358	-0.066 0.239	-0.888 -0.931	-0.863 -0.784
Buulao	-0.496 -0.344	0.0402	-0.435	-0.431	-0.764
N2115278	-0.342	0.432	0.0637	-1.01	-0.607
1,14,14,14,18	-0.584	0.139	0.3	-0.61	-0.785
Ndŭfabf	-0.353	0.531	0.2	-0.838	-0.666
MAHANA	-0.41	0.376	0.136	-0.669	-0.763
NIGHT 1	-0.253	0.62	0.322	-0.675	-0.768
'Ndutb4	-0.435	0.454	-0.00137	-0.629	-0.695
ู่ ทำั่ ไม่สำ	-0.463	0.315	0.166	-0.873	-0.484
Nduf68	-0.305	0.639	0.214	-0.817	-0.59
Ndŭfb7	-0.172	0.575	0.369	-0.783	-0.528
Ndüfs2	-0.144	0.516	0.161	-0.789	-0.437
Nďŭfš7	-0.119	0.64	0.391	-0.528	-0.662
mt=Nd4	-0.357	0.0832	0.294	-0.56	-0.356
Ndufs8	-0.0555	0.879	0.452	-0.484	-0.546
"Ndutsa	-0.488	-0.423	-1.21	-0.609	-0.121
wapĸ₁ż	0.00183	-0.0284	0.142	-0.669	0.129
mt-Nd5	-0.197	-0.389	0.0316	-0.195	-0.145
m_{i}	-0.148	0.347	0.301	-0.315	0.0325
inlabki	-0.499	-0.631	-0.692	0.191	-0.168
\r[cbz	-0.25	-0.0262	-0.557	-0.347	0.281
VI WALINIA	-0.193 0.0954	0.336 0.946	-0.24	0.0625	-0.0413 0.142
Ndufa412	-0.287	-0.782	0.732 -0.447	-0.0599 0.306	0.142 0.147
バビスカイ	0.151	1 10	0.511	0.306	0.147
MARKAY	-0.33	-0.987	-0.595	0.0282	0.253
Drk	-0.33 -0.19	-0.447	-0.466	0.452	0.233
Magk 14	0.114	-0.0246	-0.00571	-0.00349	0.359
wakini i	-0.101	-0.772	-0.272	-0.104	0.609
₽\\\\\	0.566	0.000967	0.0396	-0.062	0.582
' 	0.545	0.0586	0.29	0.106	0.507
PľčhŽ	0.335	-0.427	-0.37	0.212	0.664
Mabk9	0.0872	-0.153	-0.701	0.538	0.599
Mapk9 Mapk8	0.0348	-0.378	-0.405	0.714	0.486
ltpr1	0.176	-0.609	-0.406	0.361	0.932
Itbr2	0.56	-0.203	0.136	1.03	0.675
-T =					

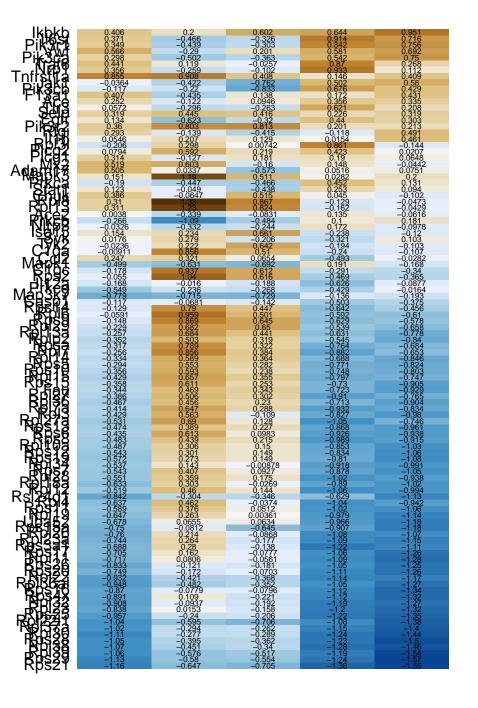
Thermogenesis: Mitochondrial Metabolism

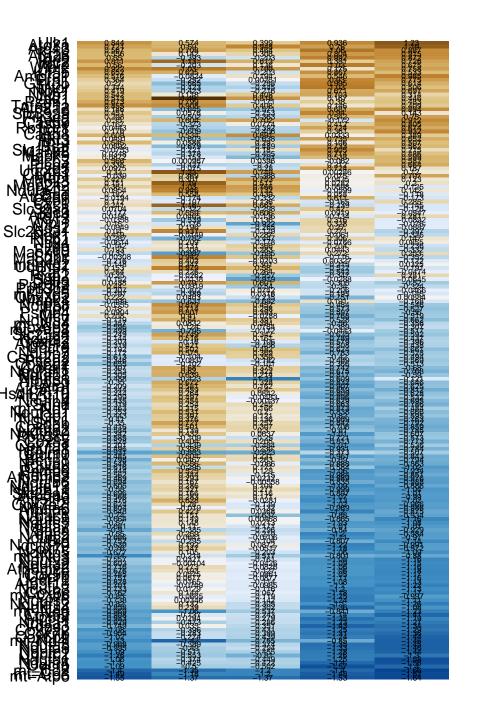


nemical carcinogenesis – reactive oxygen species : Mitochondrial Me



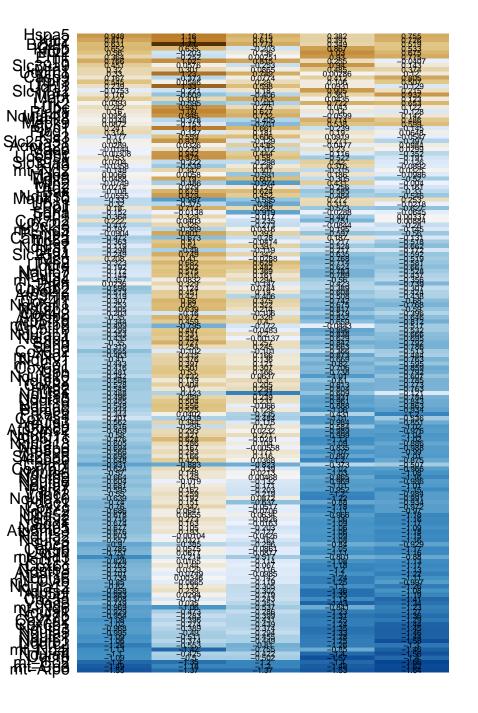


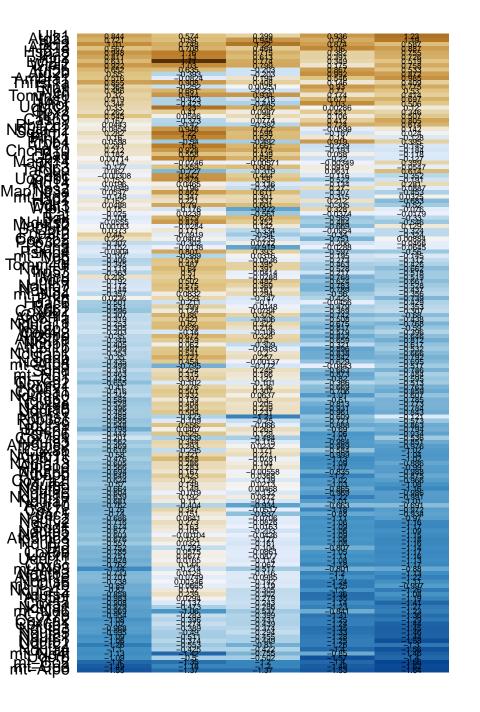


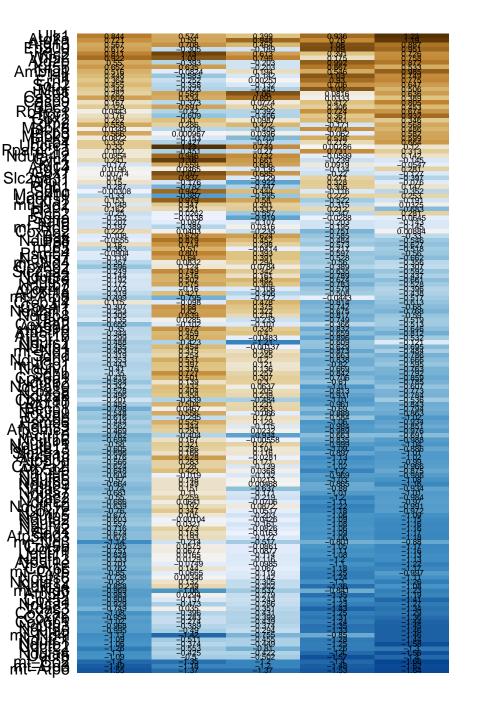


Parkinson disease : DNA Repair

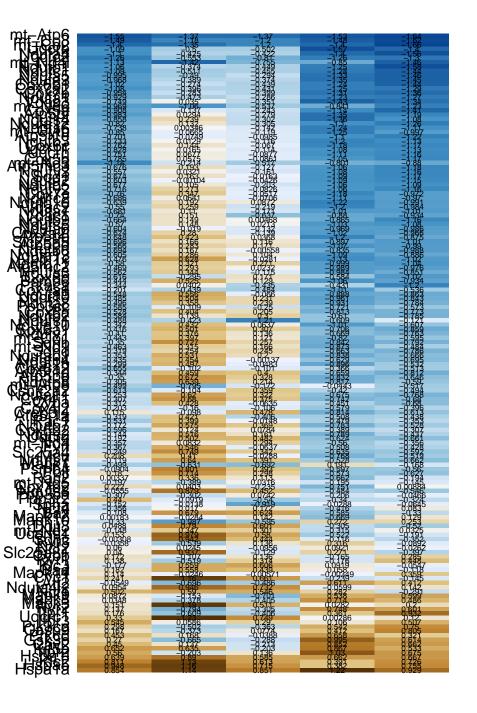
Sem1	-0.825	-0.244	-0.0377	-1.29	-1.28
Psmd14	-0.85	0.0389	-0.705	-0.895	-1.03
Casp3	-0.691	-0.615	0.105	-1.06	-0.897
Park7	-0.595	0.162	-0.203	-0.952	-1.15
Htra2	-0.545	0.17	0.294	-0.804	-0.763
Uba7	0.229	-0.0753	-0.352	-0.601	-0.462
Uba1	-0.32	-0.375	-0.85	0.311	-0.0218
Trp53	-0.363	0.51	-0.0414	-0.217	-0.518
Bax	-0.108	0.679	0.624	-0.585	-0.33
Ddit3	0.0488	0.79	0.601	-0.305	-0.52
Casp9	0.167	-0.373	0.0774	0.412	0.805
Mapt	0.427	0.301	0.753	0.0435	0.123
Bcl2l1	0.631	1.71	0.774	0.349	0.519
	WT/WT	WT/VS	VS/VS	WT/FC	FC/FC

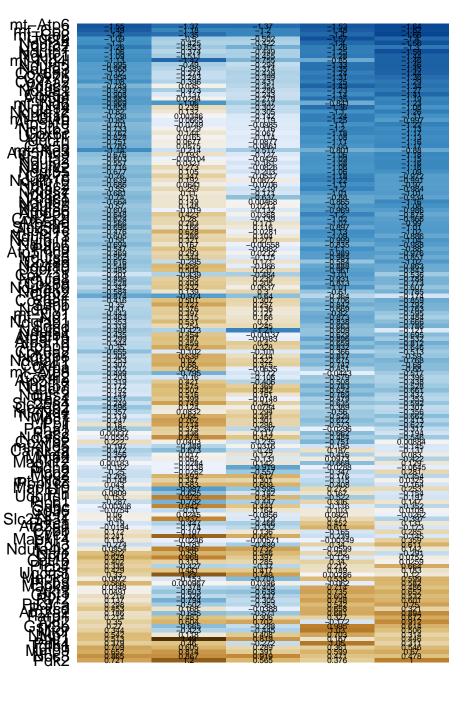


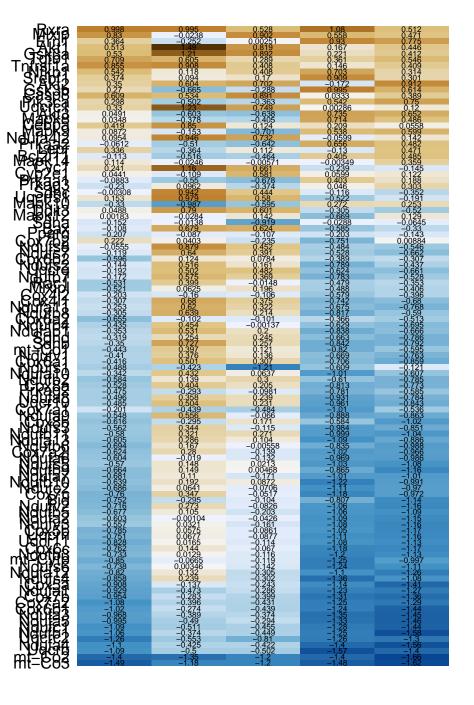




Prion disease: Mitochondrial Metabolism







Oxidative phosphorylation : Endolysosome

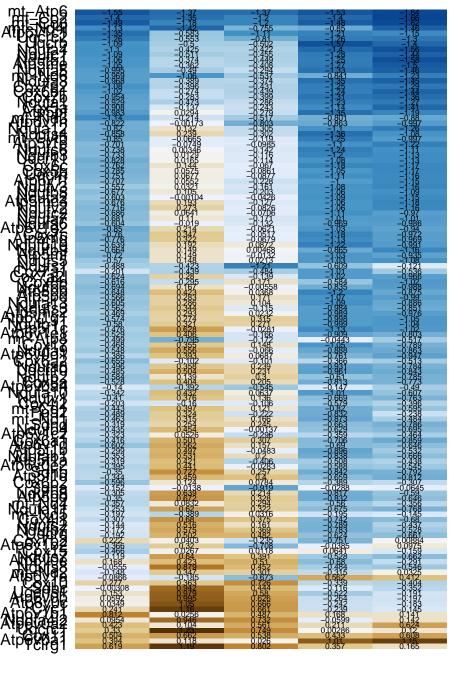
Atp6v0a1	0.394	0.118	0.026	1.01	1.15
Tcirg1	0.619	1.19	0.802	0.357	0.165
Atp6v0a2	0.423	0.104	0.561	0.211	0.624
Atp6v1b1	0.812	0.0256	0.487	0.168	0.141
Atp6v1a	-0.0866	-0.185	-0.673	0.562	0.412
Atp6v0c	0.0349	1.05	0.666	-0.242	-0.183
Atp6v0b	0.0592	0.995	0.626	-0.264	-0.197
Atp6v0e	0.168	0.423	0.51	-0.68	-0.291
Atp6v1b2	-0.366	0.32	-0.708	-0.0385	0.0975
Atp6ap1	-0.226	0.734	0.345	-0.698	-0.129
Atp6v0a4	-0.14	-0.392	-0.545	-0.147	-0.49
Atp6v1c2	-0.323	0.0526	-0.296	-0.359	-0.464
Atp5f1a	-0.319	0.421	-0.406	-0.508	-0.438
Atp6v0e2	-0.395	0.441	-0.0283	-0.588	-0.545
Atp5f1b	-0.299	0.497	-0.0483	-0.896	-0.532
Atp6v1d	-0.602	0.562	0.157	-0.69	-0.646
Atp6v0d1	-0.386	0.393	0.0687	-0.761	-0.947
Atp6v1e1	-0.529	0.406	-0.166	-0.909	-0.803
Atp5mc2	-0.469	0.293	0.0232	-0.989	-0.976
Atp6v1g1	-0.574	0.274	0.315	-0.998	-1.05
Atp6v1g2	-0.85	0.214	-0.0621	-1.03	-0.94
Ndufc2	-0.686	0.0641	-0.0706	-1.11	-0.97
Atp5mc3	-0.676	0.193	-0.127	-1.06	-1.18
Atp6v1f	-0.707	0.0552	-0.228	-1	-1.15
Atp6v1h	-0.822	-0.00173	-0.803	-0.863	-0.997
Atp6v1c1	-1.35	-0.583	-1.11	-1.21	-1.15

Oxidative phosphorylation : Lipid Metabolism

mt–Nd3	-1.14	-0.214	-0.517	-0.801	-0.88
Atp5mc3	-0.676	0.193	-0.127	-1.06	-1.18
Atp5mc2	-0.469	0.293	0.0232	-0.989	-0.976
Atp5f1b	-0.299	0.497	-0.0483	-0.896	-0.532
Ndufab1	-0.353	0.531	0.2	-0.838	-0.666
Atp5f1a	-0.319	0.421	-0.406	-0.508	-0.438
Atp6v0a4	-0.14	-0.392	-0.545	-0.147	-0.49
Cox10	0.277	0.363	0.726	-0.339	-0.404
Atp6v1b1	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

mt-Co2	-1.4	-1.35	-1.2	-1.4	-1.66
Uqcrc2	-1.26	-0.553	-0.81	-1.26	-1.3
Cox5a	-0.908	-0.137	-0.243	-1.14	-1.41
mt-Cytb	-0.85	-0.0665	-0.119	-1.25	-0.997
Cox5b	-0.785	0.0575	-0.0861	-1.05	-1.17
Ndufv2	-0.716	0.273	-0.0826	-1.06	-1.16
Ndufs1	-0.488	-0.423	-1.21	-0.609	-0.121
Atp6v1g1	-0.574	0.274	0.315	-0.998	-1.05
Cox17	-0.468	0.355	0.148	-1.05	-0.789
Atp6v0d1	-0.386	0.393	0.0687	-0.761	-0.947
Ppa2	-0.489	0.324	-0.222	-0.832	-0.238
Ndufv1	-0.41	0.376	0.136	-0.669	-0.763
mt-Co1	-0.443	0.397	0.121	-0.82	-0.595
Sdhd	-0.319	0.254	0.245	-0.663	-0.786
Ppa1	-0.233	0.619	-0.118	-0.809	-0.626
Ndufab1	-0.353	0.531	0.2	-0.838	-0.666
Sdhb	-0.35	0.727	0.257	-0.842	-0.792
Atp5f1d	-0.344	0.459	0.4	-0.659	-0.812
Ndufs2	-0.144	0.516	0.161	-0.789	-0.437
Atp4a	-0.238	0.215	0.112	-0.415	-0.272
Lhpp	-0.338	0.484	0.519	-0.658	-0.402
Ndufs7	-0.119	0.64	0.391	-0.528	-0.662
Atp6ap1	-0.226	0.734	0.345	-0.698	-0.129
Atp6v1a	-0.0866	-0.185	-0.673	0.562	0.412
Ndufs8	-0.0555	0.879	0.452	-0.484	-0.546
Sdhc	-0.00308	0.942	0.444	-0.116	-0.352
Uqcrfs1	0.153	0.979	0.58	-0.522	-0.191
Cyc1	0.241	1.16	0.661	-0.239	-0.145
Atp6v0a2	0.423	0.104	0.561	0.211	0.624
Uqcrc1	0.33	1.23	0.749	0.00286	0.12
Cox11	0.504	0.662	0.538	0.433	0.608



Oxidative phosphorylation : Oxidative Stress

mt-Co2	-1.4	-1.35	-1.2	-1.4	-1.66
mt-Nd6	-0.969	-1.06	-0.537	-0.841	-1.23
mt-Nd3	-1.14	-0.214	-0.517	-0.801	-0.88
Ndufs1	-0.488	-0.423	-1.21	-0.609	-0.121
Ndufa12	-0.82	0.132	-0.305	-1.1	-1.26
Ndufs4	-0.858	0.239	-0.302	-1.36	-1.08
Ndufa6	-0.604	-0.019	-0.132	-0.969	-0.986
Ndufc2	-0.686	0.0641	-0.0706	-1.11	-0.97
Ndufs3	-0.562	0.344	-0.115	-0.984	-0.851
Ndufa13	-0.605	0.286	0.104	-1.09	-0.886
mt-Nd5	-0.197	-0.389	0.0316	-0.195	-0.145
Ndufb4	-0.435	0.454	-0.00137	-0.629	-0.695
mt-Co1	-0.443	0.397	0.121	-0.82	-0.595
Ndufs2	-0.144	0.516	0.161	-0.789	-0.437
mt-Nd2	-0.148	0.347	0.301	-0.315	0.0325
Ndufs8	-0.0555	0.879	0.452	-0.484	-0.546
	WT/WT	WT/VS	VS/VS	WT/FC	FC/FC

Oxidative phosphorylation : Proteostasis

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

Oxidative phosphorylation : Synapse

Atp6v0a1	0.394	0.118	0.026	1.01	1.15
Atp6v1b1	0.812	0.0256	0.487	0.168	0.141
Atp6v1a	-0.0866	-0.185	-0.673	0.562	0.412
Atp6v0c	0.0349	1.05	0.666	-0.242	-0.183
mt-Nd2	-0.148	0.347	0.301	-0.315	0.0325
Atp6v1b2	-0.366	0.32	-0.708	-0.0385	0.0975
Atp6ap1	-0.226	0.734	0.345	-0.698	-0.129
Atp6v0a4	-0.14	-0.392	-0.545	-0.147	-0.49
Ndufs7	-0.119	0.64	0.391	-0.528	-0.662
Atp6v0e2	-0.395	0.441	-0.0283	-0.588	-0.545
Ppa2	-0.489	0.324	-0.222	-0.832	-0.238
Atp6v1d	-0.602	0.562	0.157	-0.69	-0.646
Atp6v0d1	-0.386	0.393	0.0687	-0.761	-0.947
Atp6v1e1	-0.529	0.406	-0.166	-0.909	-0.803
Atp6v1g1	-0.574	0.274	0.315	-0.998	-1.05
Atp6v1g2	-0.85	0.214	-0.0621	-1.03	-0.94
Atp6v1h	-0.822	-0.00173	-0.803	-0.863	-0.997
Atp6v1f	-0.707	0.0552	-0.228	-1	-1.15
Atp6v1c1	-1.35	-0.583	-1.11	-1.21	-1.15
	WT/WT	WT/VS	VS/VS	WT/FC	FC/FC

Base excision repair : Epigenetic

Parp1	0.214	0.483	0.306	0.327	0.672
Rfc1	-0.279	-0.37	-0.413	-0.2	0.268
Pnkp	0.118	0.464	0.555	-0.712	-0.167
Xrcc1	-0.00675	0.679	0.629	-0.5	-0.336
Tdg	-0.372	-0.485	-0.12	-0.722	-0.0114
Pole3	-0.182	0.18	-0.0999	-1.19	-0.229
Hmgb1	-0.513	0.333	0.218	-0.885	-0.537
Neil1	-0.184	0.0807	-0.436	-0.87	-0.841
Pcna	-0.398	0.169	0.3	-0.744	-1.11
Apex1	-0.659	0.104	-0.422	-0.465	-1.03
	WT/WT	WT/VS	VS/VS	WT/FC	FC/FC

RNA degradation : RNA Spliceosome

Lsm4	-0.0171	0.882	0.642	-0.0727	-0.444
Lsm1	0.0508	0.678	0.038	-0.675	-0.271
Pabpc1	-0.48	0.483	0.16	-0.768	-0.36
Lsm2	-0.0307	0.337	-0.135	-0.301	-0.217
Exosc10	-0.232	0.159	0.167	-0.833	-0.417
Lsm6	-0.375	0.469	-0.0952	-0.785	-0.524
Lsm7	-0.543	0.522	-0.00257	-0.624	-0.932
Dcps	-0.342	0.101	-0.111	-0.778	-0.896
Lsm3	-0.683	0.194	-0.119	-0.851	-0.706
Lsm8	-0.777	-0.166	-0.145	-0.699	-0.781
Lsm5	-0.994	-0.256	-0.326	-0.411	-1.08
Mtrex	-0.483	-0.507	-1.25	-0.267	-0.186
	WT/WT	WT/VS	VS/VS	WT/FC	FC/FC

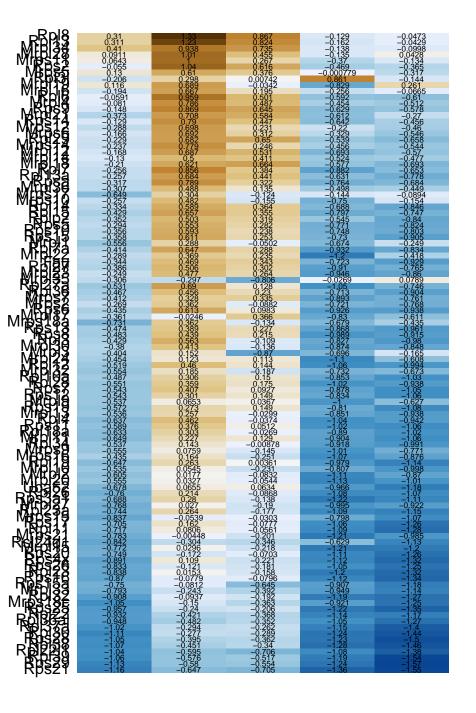
Ribosome : Immune Response

Rpl39	-1.06	-0.576	-0.517	-1.19	-1.54
Rpl30	-1.11	-0.277	-0.289	-1.24	-1.44
Rpl22	-0.932	-0.421	-0.368	-1.14	-1.17
Rps15a	-0.75	-0.0812	-0.645	-0.907	-1.18
Rps16	-0.87	-0.0779	-0.0796	-1.12	-1.34
Mrpl15	-0.772	0.0296	-0.218	-1.21	-1.2
Rps17	-0.705	0.162	-0.0777	-1.06	-1.26
Rps19	-0.572	0.273	0.149	-0.81	-1.08
Rpl3	-0.429	0.563	-0.109	-0.827	-0.98
Rps6	-0.435	0.613	0.0983	-0.926	-0.938
Fau	-0.344	0.469	0.343	-0.723	-0.929
Rpsa	-0.317	0.789	0.322	-0.764	-0.684
Rpl13a	-0.257	0.684	0.441	-0.631	-0.778
Rps14	-0.129	0.79	0.447	-0.642	-0.456
	WT/WT	WT/VS	VS/VS	WT/FC	FC/FC

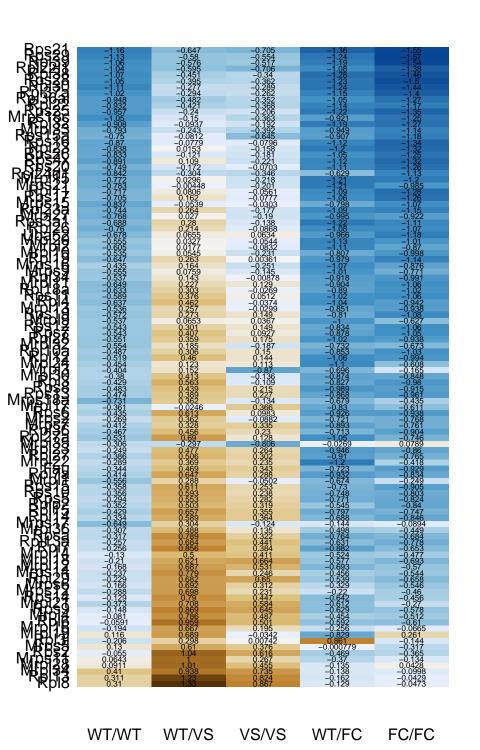
Ribosome: Mitochondrial Metabolism

Mrpl34	0.41	0.938	0.735	-0.138	-0.0998
Mrpl28	0.0911	1.01	0.455	-0.135	0.0428
Mrps11	0.0643	1	0.267	-0.37	-0.134
Mrps5	0.13	0.61	0.376	-0.000779	-0.317
Mrpl16	-0.194	0.667	0.195	-0.256	-0.0665
Mrpl19	0.116	0.689	-0.0342	-0.829	0.261
Mrpl4	-0.081	0.786	0.487	-0.454	-0.512
Mrpl21	-0.373	0.708	0.584	-0.612	-0.27
Mrps12	-0.288	0.698	0.231	-0.22	-0.46
Mrps6	-0.166	0.692	0.312	-0.329	-0.546
Mrps14	-0.237	0.779	0.246	-0.456	-0.544
Mrpl14	-0.13	0.5	0.411	-0.524	-0.477
Mrpl12	-0.168	0.687	0.531	-0.693	-0.57
Mrpl18	-0.21	0.621	0.664	-0.577	-0.693
Mrps17	-0.649	0.304	-0.124	-0.144	-0.0894
Mrpl36	-0.307	0.488	0.135	-0.498	-0.449
Mrps10	-0.257	0.482	-0.155	-0.75	-0.154
Mrpl35	-0.306	-0.297	-0.806	-0.0269	0.0789
Mrpl1	-0.556	0.288	-0.0502	-0.674	-0.249
Mrpl22	-0.289	0.369	0.235	-1.2	-0.418
Mrpl23	-0.249	0.477	0.264	-0.946	-0.86
Mrps2	-0.269	0.362	-0.0882	-0.721	-0.768
Mrps7	-0.412	0.328	0.335	-0.893	-0.761
Mrps18a	-0.731	0.362	-0.134	-0.679	-0.435
Mrpl17	-0.361	-0.0246	0.366	-0.83	-0.611
Mrpl3	-0.404	0.152	-0.87	-0.696	-0.165
Mrpl30	-0.38	0.413	-0.136	-0.874	-0.848
Mrpl32	-0.554	0.185	-0.187	-0.732	-0.673
Mrpl24	-0.454	0.123	0.113	-1.1	-0.608
Mrpl9	-0.537	0.0653	0.0367	-1	-0.627
Mrpl13	-0.536	0.257	-0.0299	-0.851	-0.938
Mrpl11	-0.649	0.227	0.129	-0.904	-1.06
Mrps9	-0.555	0.0759	-0.145	-1.01	-0.771
Mrps16	-0.435	0.164	-0.251	-1.07	-0.876
Mrpl10	-0.535	0.0545	-0.231	-0.807	-0.998
Mrpl2	-0.605	0.0177	-0.0832	-1.11	-0.87
Mrpl20	-0.555	0.0327	-0.0544	-1.13	-1.01
<u>Uba52</u>	-0.678	0.0655	0.0634	-0.966	-1.18
Mrpl27	-0.768	0.027	-0.19	-0.995	-0.922
Mrps15	-0.837	-0.0539	-0.0303	-0.798	-1.07
Mrps21	-0.783	-0.00448	-0.201	-1.21	-0.985
Mrpl15	-0.772	0.0296	-0.218	-1.21	-1.2
Mrpl33	-0.793	-0.243	-0.392	-0.949	-1.14
Mrps18c	-1.05	-0.15	-0.363	-0.921	-1.25

Ribosome : Proteostasis



Ribosome: Structural Stabilization



Ribosome : Synapse

Rps21	-1.16	-0.647	-0.705	-1.36	-1.55
Rpl38	-1.07	-0.451	-0.34	-1.28	-1.46
Rps28	-1.05	-0.395	-0.362	-1.23	-1.5
Rpl30	-1.11	-0.277	-0.289	-1.24	-1.44
Rpl37a	-1.02	-0.294	-0.262	-1.15	-1.4
Rpl22	-0.932	-0.421	-0.368	-1.14	-1.17
Rps25	-0.957	-0.24	-0.206	-1.22	-1.35
Rpl32	-0.908	-0.0937	-0.192	-1.19	-1.27
Rps15a	-0.75	-0.0812	-0.645	-0.907	-1.18
Rps16	-0.87	-0.0779	-0.0796	-1.12	-1.34
Rps26	-0.833	-0.121	-0.181	-1.05	-1.25
Rpl23	-0.838	0.0153	-0.158	-1.2	-1.32
Rps20	-0.749	-0.172	-0.0703	-1.11	-1.26
Rps17	-0.705	0.162	-0.0777	-1.06	-1.26
Rps3a1	-0.688	0.28	-0.138	-1.22	-1.11
Rpl26	-0.76	0.214	-0.0868	-1.08	-1.07
Uba52	-0.678	0.0655	0.0634	-0.966	-1.18
Rpl19	-0.647	0.263	0.00361	-0.979	-1.14
Rpl34	-0.537	0.143	-0.00878	-0.918	-0.991
Rps11	-0.589	0.376	0.0512	-1.02	-1.06
Rps19	-0.572	0.273	0.149	-0.81	-1.08
Rps7	-0.543	0.407	0.0927	-0.878	-1.05
Rpl28	-0.551	0.359	0.175	-1.02	-0.938
Rpl12	-0.519	0.46	0.144	-1.06	-0.994
Rps13	-0.474	0.389	0.227	-0.868	-0.961
Rps6	-0.435	0.613	0.0983	-0.926	-0.938
Rpl27	-0.386	0.506	0.302	-0.91	-0.765
Rpl7a	-0.414	0.647	0.288	-0.932	-0.834
Rpl14	-0.334	0.589	0.364	-0.688	-0.846
Rpl13a	-0.257	0.684	0.441	-0.631	-0.778
Rpl7	-0.256	0.856	0.384	-0.882	-0.653
Rps14	-0.129	0.79	0.447	-0.642	-0.456
Rps9	-0.148	0.869	0.645	-0.629	-0.578
Rpl6	-0.0591	0.959	0.501	-0.592	-0.61
Rpl13	0.311	1.23	0.824	-0.162	-0.0429
Rpl8	0.31	1.33	0.867	-0.129	-0.0473

Cardiac muscle contraction: Mitochondrial Metabolism

mt-Co3	-1.49	-1.18	-1.2	-1.48	-1.62
mt-Co2	-1.4	-1.35	-1.2	-1.4	-1.66
Uqcrb	-1.09	-0.5	-0.502	-1.57	-1.4
Uqcrc2	-1.26	-0.553	-0.81	-1.26	-1.3
Cox6b1	-1.02	-0.274	-0.439	-1.24	-1.44
Cox7a2	-1.08	-0.396	-0.431	-1.25	-1.29
Cox7b	-0.954	-0.283	-0.399	-1.31	-1.36
Cox5a	-0.908	-0.137	-0.243	-1.14	-1.41
mt-Cytb	-0.85	-0.0665	-0.119	-1.25	-0.997
Uqcr11	-0.828	0.0165	-0.114	-1.08	-1.13
Cox6c	-0.762	0.144	-0.067	-1.18	-1.17
Uqcrh	-0.751	0.0677	-0.0877	-1.11	-1.16
Cox5b	-0.785	0.0575	-0.0861	-1.05	-1.17
Cox7c	-0.76	0.347	-0.0517	-1.18	-0.972
Cox7a2l	-0.624	0.28	-0.139	-1.02	-0.966
Cox8b	-0.616	-0.295	0.171	-0.584	-1.02
Cox7a1	-0.201	-0.439	-0.484	-1.01	-0.536
Uqcr10	-0.485	0.504	0.231	-0.961	-0.843
Cox8a	-0.528	0.404	0.205	-0.813	-0.773
Cox6a2	-0.655	-0.102	-0.101	-0.366	-0.513
mt-Co1	-0.443	0.397	0.121	-0.82	-0.595
Cox6a1	-0.416	0.501	0.307	-0.706	-0.859
Cox4i2	-0.203	-0.16	-0.106	-0.579	-0.396
Cox4i1	-0.307	0.68	0.375	-0.742	-0.68
Cox6b2	-0.596	0.124	0.0784	-0.389	-0.307
Uqcrq	-0.192	0.502	0.482	-0.624	-0.661
Cox7b2	0.222	0.0403	-0.235	-0.751	0.00884
Trdn	-0.149	0.19	0.259	0.207	-0.411
Atp2a1	-0.0194	-0.174	-0.332	0.611	-0.173
Uqcrfs1	0.153	0.979	0.58	-0.522	-0.191
Asph	0.128	-0.391	-0.137	-0.124	0.567
Cyc1	0.241	1.16	0.661	-0.239	-0.145
Ryr2	0.137	-0.794	-0.305	0.748	0.601
Atp2a2	0.186	-0.645	-0.571	0.681	0.894
Uqcrc1	0.33	1.23	0.749	0.00286	0.12
Slc8a3	0.941	0.142	0.393	0.712	0.191
Slc9a1	1.07	0.922	0.679	1.03	1.39

Protein export : Proteostasis

Bag6	0.831	1.08	0.662	0.904	0.863
Hspa5	0.948	1.16	0.715	0.382	0.755
Srp54b	0.907	1.39	0.357	0.552	0.718
Srprb	0.913	1.08	1.03	0.093	0.304
Srp68	0.103	1.05	0.606	-0.145	0.205
Sgta	0.115	0.891	0.81	-0.0623	-0.144
Arxes2	0.155	-0.00351	0.349	0.459	0.386
Sec61a1	0.465	0.232	0.219	-0.22	0.526
Spcs2	-0.0449	0.916	0.5	-0.0714	-0.291
Srpr	-0.000354	0.846	0.181	-0.121	-0.0267
Sec63	0.179	-0.407	-0.316	0.47	0.468
Get3	-0.122	1.03	0.432	-0.447	-0.408
Oxa1l	0.024	0.476	0.478	-0.278	-0.415
Get4	-0.266	0.843	0.578	-0.466	-0.436
Sec62	-0.0625	0.401	0.542	-0.587	-0.471
Sec11a	-0.208	0.295	0.433	-0.368	-0.649
Sec11c	-0.236	0.735	-0.0123	-0.758	-0.706
lmmp2l	-0.112	-0.0587	0.00698	-0.43	-0.55
lmmp1l	-0.437	0.475	-0.00814	-0.469	-0.651
Sec61b	-0.357	0.394	0.198	-0.855	-0.765
Srp14	-0.473	0.561	0.104	-0.966	-0.766
Tmem208	-0.777	0.0951	-0.131	-0.715	-0.598
Ubl4a	-0.659	0.0663	-0.286	-0.916	-0.446
Srp19	-0.377	0.0889	-0.0769	-0.632	-1.18
Srp72	-0.643	-0.111	-0.669	-0.545	-0.471
Srp9	-0.834	0.289	-0.247	-0.891	-1.03
Sec61a2	-0.816	-1.12	-1.11	-0.47	-0.998
Sec61g	-0.949	-0.413	-0.536	-1.34	-1.34
Spcs1	-1.14	-0.509	-0.531	-1.16	-1.42

Proteasome: Proteostasis

Psma6	-1.25	-0.489	-0.969	-1.42	-1.53
Psmd1	-0.873	-0.353	-0.882	-1.51	-1.16
Psma3	-0.924	-0.0733	-0.455	-1.28	-1.24
Sem1	-0.825	-0.244	-0.0377	-1.29	-1.28
Psmb7	-0.663	-0.0178	-0.254	-1.35	-1.29
Psma4	-0.815	0.00128	-0.22	-1.19	-1.25
Psmd14	-0.85	0.0389	-0.705	-0.895	-1.03
Psma5	-0.733	0.0706	-0.287	-0.941	-1.2
Psmc2	-0.801	0.142	-0.196	-0.967	-1.15
Psmc6	-0.816	0.156	-0.681	-1.1	-0.617
Psmd7	-0.912	-0.0776	-0.213	-0.665	-1.02
Pomp	-0.467	0.0185	0.0785	-1.23	-1.14
Psmb9	-0.63	-0.306	-0.476	-0.967	-0.444
Psmd12	-0.839	0.123	-0.223	-0.759	-0.948
Psma2	-0.448	0.466	0.0199	-1.22	-1.01
Psmd8	-0.718	0.496	0.096	-1.03	-0.746
Psmd11	-0.501	-0.352	-0.615	-0.147	-0.366
Psmb6	-0.444	0.525	0.129	-1.06	-0.934
Psmc3	-0.427	0.523	0.0874	-0.704	-0.991
Psmc4	-0.48	0.537	0.15	-0.816	-0.833
Psmb1	-0.455	0.628	0.163	-0.862	-0.882
Psmd13	-0.342	0.603	0.201	-0.858	-0.968
Psma7	-0.394	0.614	0.0964	-0.982	-0.677
Psmd6	-0.219	0.739	-0.101	-0.802	-0.942
Psmb2	-0.269	0.554	0.0363	-0.871	-0.774
Psmb3	-0.339	0.59	0.254	-0.753	-0.838
Psme1	-0.353	0.697	-0.122	-0.247	-0.917
Psmb5	-0.171	0.476	0.229	-0.678	-0.77
Psmb10	-0.167	0.454	0.192	-0.623	-0.695
Psme2b	-0.296	0.494	0.181	-0.596	-0.618
Psma1	-0.23	0.836	0.202	-0.764	-0.52
Psmd9	-0.227	0.577	0.293	-0.839	-0.266
Psmb8	0.126	0.398	0.206	-0.462	-0.493
Psmb4	-0.0904	0.801	0.393	-0.597	-0.56
Psme3	0.155	0.5	-0.29	-0.144	-0.369
Psmc5	-0.0519	0.876	0.312	-0.653	-0.474
Psma8	-0.18	0.222	0.152	-0.446	0.214
Psmd2	0.0894	0.608	-0.283	-0.239	-0.204
Psmc1	-0.0479	0.871	0.411	-0.686	-0.446
Psmf1	-0.142	0.513	0.371	-0.381	0.0936
Psmd4	-0.0215	1.03	0.553	-0.582	-0.318
_Psme4	0.216	0.0248	0.0659	0.216	0.0596
Psmb11	0.178	0.915	0.182	-0.209	0.142
Psmd3	0.226	1.19	0.587	-0.105	-0.00612