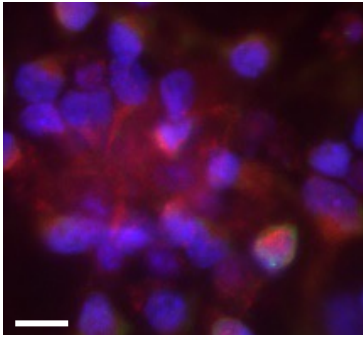
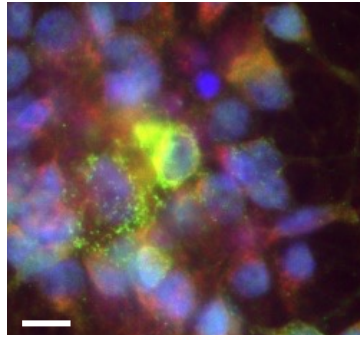


a
pUb

Target AB
Mitochondrial mass
Hoechst 33342
HeLa cells



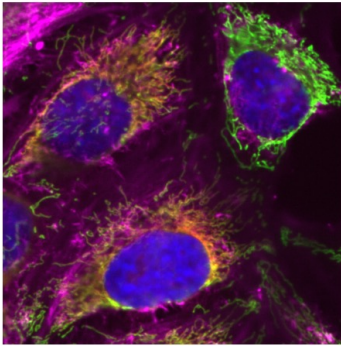
Control



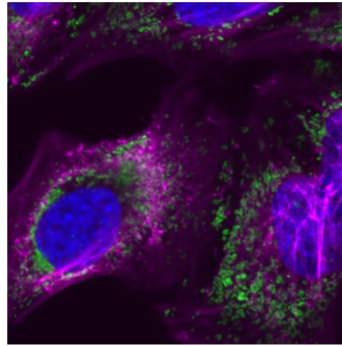
6hr 10uM FCCP

b
HSP60

Target AB
Mitotracker Orange
Phalloidin Alexa 647
Hoechst 33342
HeLa cells



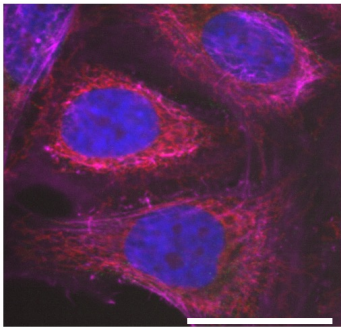
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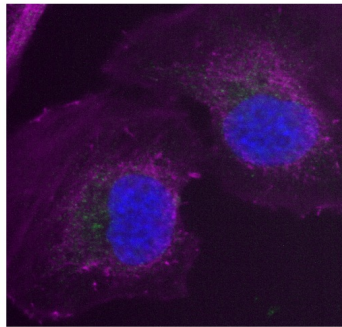
6hr 10uM FCCP

c
Parkin

Target AB
Mitotracker Orange
Phalloidin Alexa 647
Hoechst 33342
HeLa cells



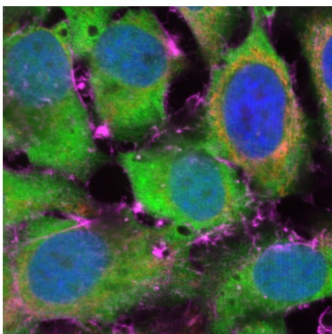
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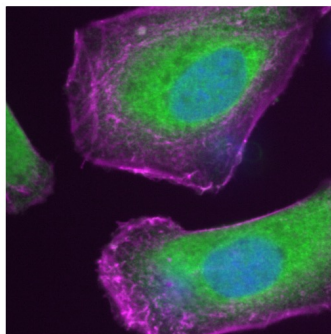
6hr 10uM FCCP

d
DJ1/PARK7

Target AB
Mitotracker Orange
Phalloidin Alexa 647
Hoechst 33342
HeLa cells

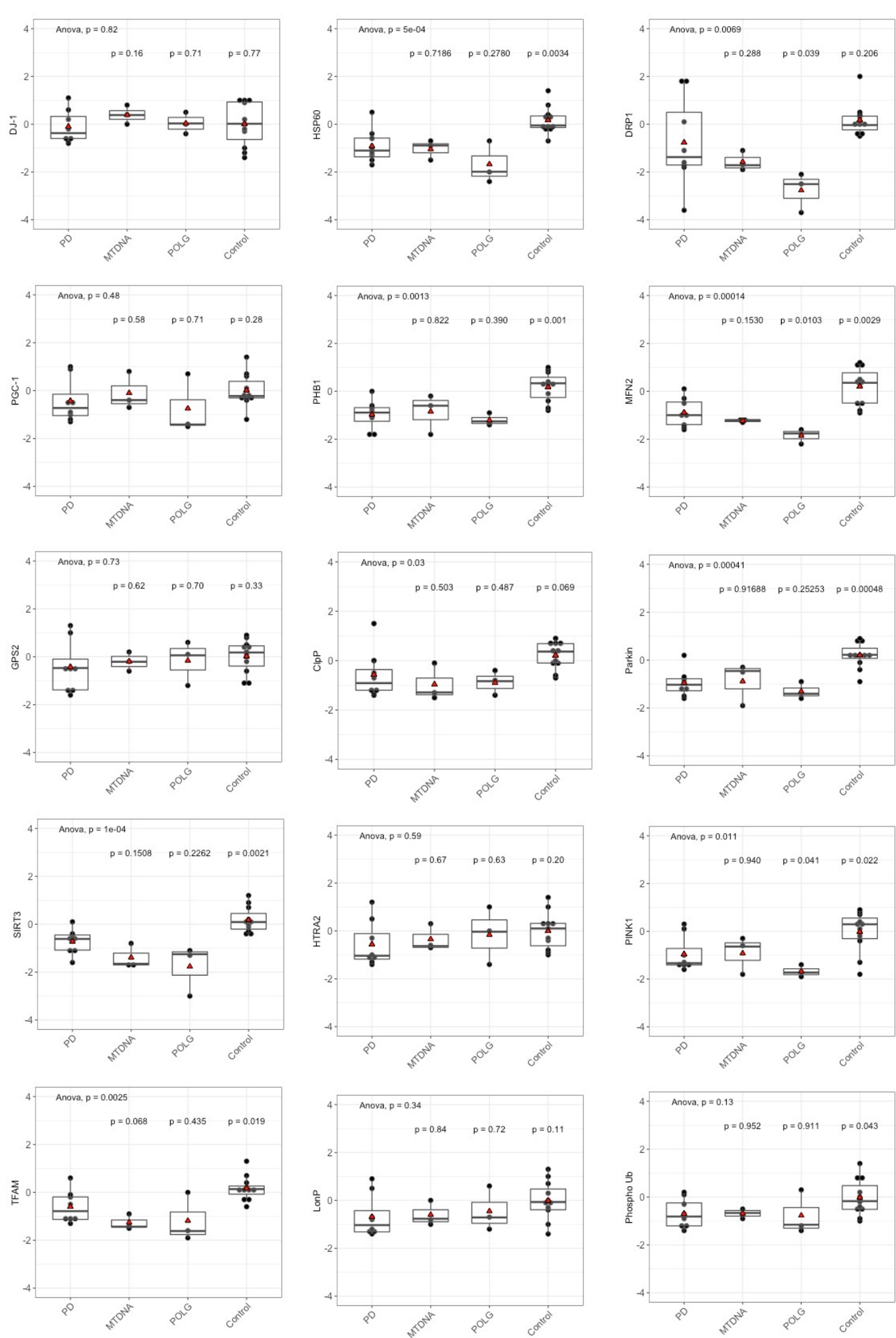


Control

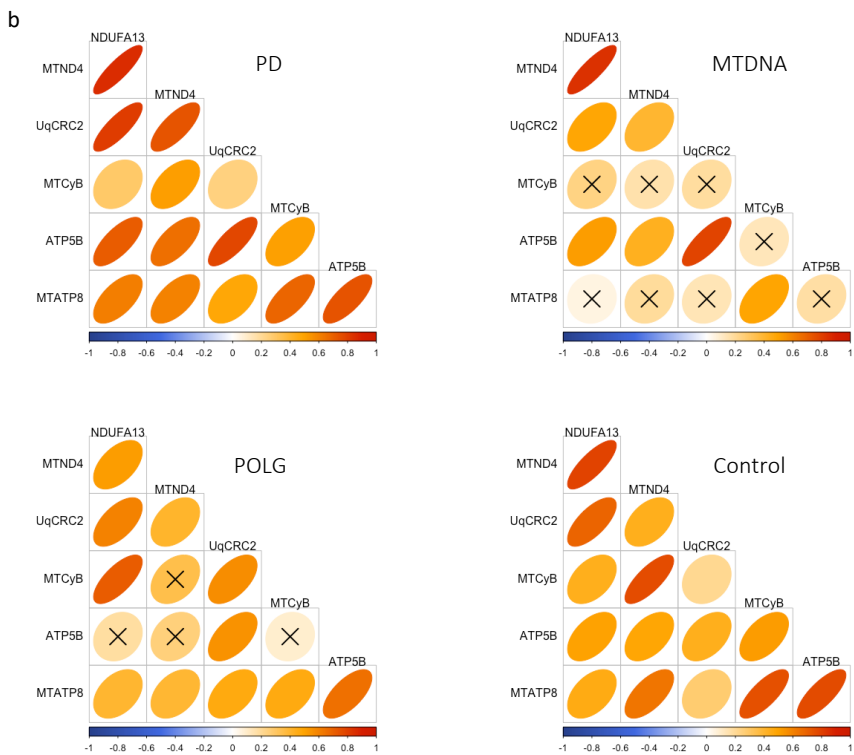
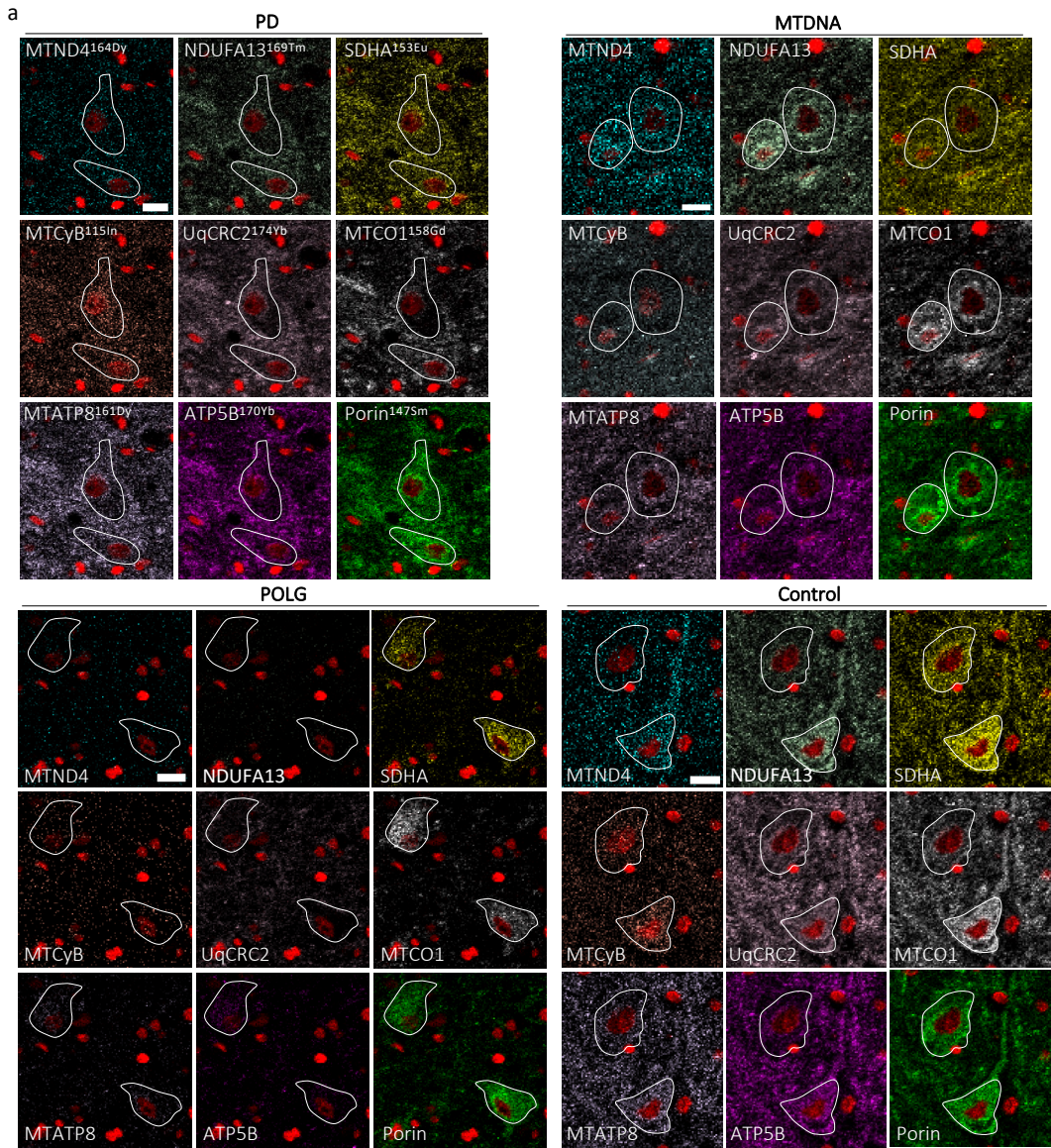


6hr 10uM FCCP

Supplementary fig. 1. Validation of the anti-pUb, anti-Parkin, anti-HSP60 and anti-DJ-1 antibodies using an acute mitochondrial-damaged cells model. Anti-pUb and anti-Parkin antibodies showed an increased signal (green), whilst the other two antibodies showed the opposite in mitochondrial-damaged HeLa cells (formalin-fixed) induced by carbonyl cyanide-p-trifluoromethoxy phenylhydrazone (FCCP, 10 μ m, 6hrs). This supports the binding specificity of these antibody, allowing the detection of changes associated to mitochondrial damage. Scale bar, 10 μ m.

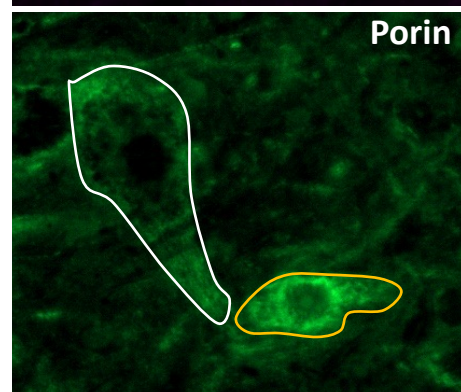
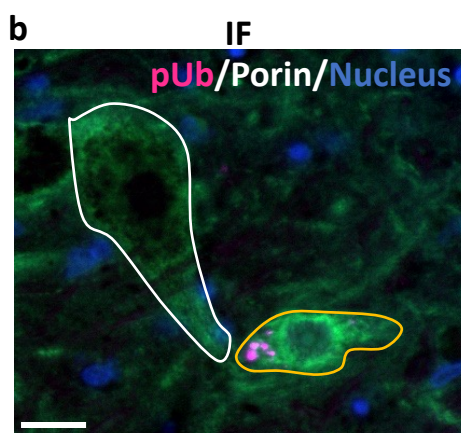
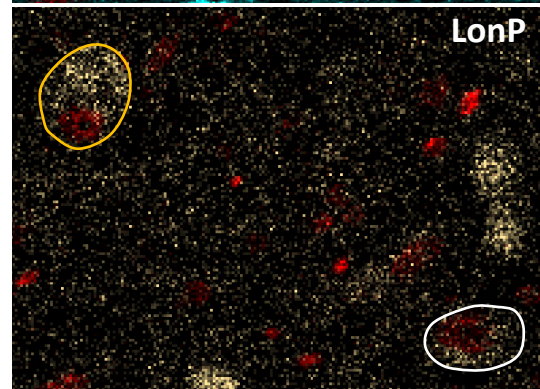
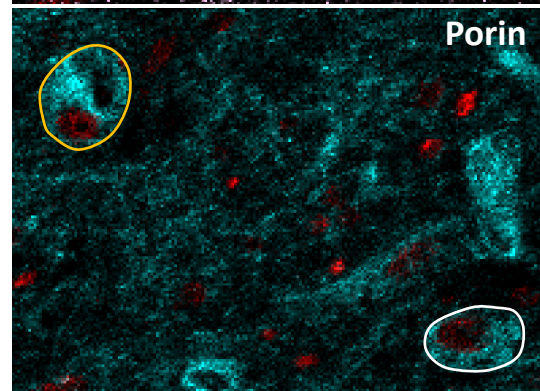
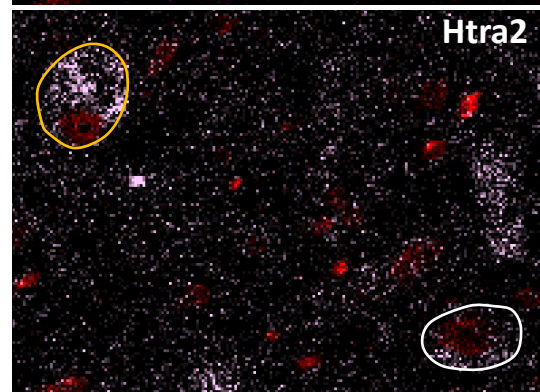
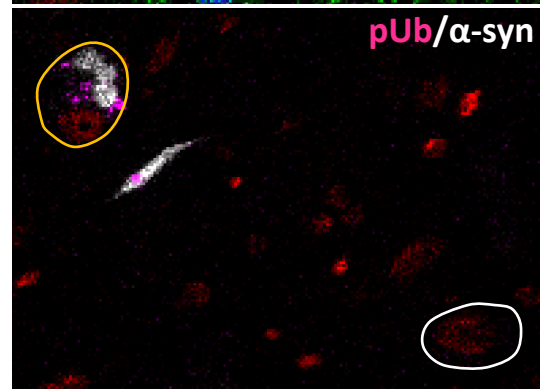
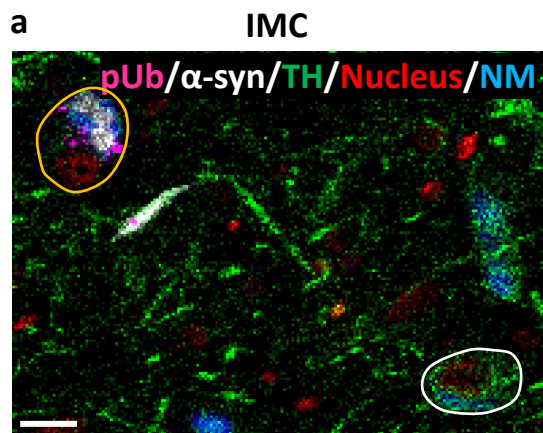


Supplementary fig. 2. Comparison of the mean level of each MQC protein expression between four groups (ANOVA test with Dunnett's post-hoc tests). Each data point represents an individual case; triangles represent the mean and bars show the median and IQR.



Supplementary fig. 3. Single-neuron correlation analysis of nuclear and mtDNA

encoded OxPhos subunits. a. IMC images of OxPhos subunits that were detected simultaneously within the neurons demonstrated in **Fig 2** and from a case with mtDNA point mutation (MTDNA01, male, 52yrs) in the EDTA batch. Scale bar, 20 μ m. **b.** Correlation matrices showing the closeness of association between each OxPhos subunit using single neuron data. Each block represents the correlation coefficient r values of each paired protein; X represents the pairs with no significant correlation (Spearman's correlation, adjusted $p=0.003$).



Supplementary fig. 4. A POLG mutation case with α -Synuclein aggregation. (a)

Example IMC image demonstrating α -Syn positive (yellow frame) and negative (white) dopaminergic (TH-positive) neurons found in the POLG02 (male, 59yrs) case. The α -Syn positive neurons showed pUb aggregates and increased signal of LonP and HTRA2. (b) Such pUb aggregates were also detected using immunofluorescence (IF) in the same case. Scale bar, 20 μ m

Supplementary Table. 1 Information of individual case included in the study. M-Male; F-female; MELAS- Mitochondrial encephalomyopathy, lactic acidosis, and stroke-like episodes; MERRF Myoclonic epilepsy with ragged red fibers -; CPEO- Chronic progressive external ophthalmoplegia;

Case	Sex	Age	PM delay (hours)	Disease duration (years)	Case description	Lewy Pathology	Case reported in Chen et al 2021	Number of neuron analysed (Experiment 1/2)
PD								
PD01	Male	70	48	15	Parkinsonism without dementia	Limbic, Braak stage IV	PD02	23/35
PD02	Male	80	34	10	Parkinsonism developed with visual hallucinations	Neocortical, Braak stage VI	PD04	33/14
PD03	Male	80	88	5	Parkinsonism without dementia	Limbic, Braak stage IV	PD03	53/44
PD04	Male	81	52	10	Parkinsonism developed with visual hallucinations and confusion	Limbic, Braak stage IV	/	75/39
PD05	Male	81	13	12	Parkinsonism without dementia	Neocortical, Braak stage VI	PD05	27/40
PD06	Male	83	105	11	Parkinsonism with mild cognitive impairment	Limbic, Braak stage IV	/	20/11
PD07	Male	84	80	9	Parkinsonism without dementia	Limbic, Braak stage IV	PD08	106/126
PD08	Male	90	18	11	Parkinsonism without dementia	Limbic/Brainstem, Braak stage IV	PD09	28/24
Mitochondrial disease (Disease controls)								
MTDNA01	Male	52	34	unknown	MELAS syndrome, m.3243 A>G mutation	No Lewy pathology	/	81/79
MTDNA02	Male	58	66	18	MERRF syndrome, m.8344 A>G mutation	No Lewy pathology	/	22/17
MTDNA03	Female	76	78	unknown	Mitochondrial disease due to inherited mutation affecting mitochondrial respiratory chain	Neuropathological findings consistent with DLB or PDD	/	14/20

POLG01	Female	23	83	5	Mitochondrial disease presented with neurodegeneration, developed seizures and progressive ataxia. <i>p.Ala467Thr and p.Trp748Ser POLG1 mutation.</i>	No Lewy pathology	POLG02	24/19
POLG02	Male	59	67	37	Mitochondrial disease presented with CPEO, sensorimotor neuropathy; Parkinsonism (age 50 years) and cognitive impairment. <i>p.Gly848Ser and p.Ser1104Cys POLG1 mutation</i>	Brainstem, Braak stage III	POLG03	21/10
POLG03	Male	79	85	23	Mitochondrial disease presented with CPEO and dysphagia. <i>p.Thr251Ile and p.Pro587Leu and p.Ala467Thr POLG1 mutations</i>	Limbic/Brainstem, Braak stage III	POLG04	147/100

Healthy controls

CON01	Female	18	81	/	No Parkinsonism	No Lewy pathology	Con01	83/109
CON02	Male	19	65	/	No Parkinsonism	No Lewy pathology	Con02	126/160
CON03	Male	47	29	/	No Parkinsonism	No Lewy pathology	/	13/42
CON04	Female	54	19	/	No Parkinsonism	No Lewy pathology	/	88/80
CON05	Female	59	34	/	No Parkinsonism	No Lewy pathology	/	110/152
CON06	Female	71	72	/	No Parkinsonism	No Lewy pathology	Con05	90/46
CON07	Female	71	43	/	No Parkinsonism	No Lewy pathology	Con04	97/95
CON08	Male	88	69	/	No Parkinsonism	No Lewy pathology	Con08	108/100
CON09	Male	88	23	/	No Parkinsonism	No Lewy pathology	Con07	48/91
CON10	Male	90	80	/	No Parkinsonism	No Lewy pathology	Con09	44/52
CON11	Female	93	34	/	No Parkinsonism	No Lewy pathology	Con10	35/25

Supplementary Table 2: Statistical output from the Bayesian Estimation Modelling for Fig. 5

mean	median	HDIlo	HDIup	%InROPE	casecode	target	OXPHOS deficiency	Experiment
-0.885444426	-0.885110634	-1.09669002	-0.668620244	0	CON02	NDUFA13	Complex I	Experiment 2
-0.818079595	-0.819453331	-1.189156781	-0.448880276	0.09799804	CON02	MTCO1	Complex I	Experiment 2
-0.344305079	-0.344135919	-0.541143162	-0.150797658	0.9799804	CON02	ATP5B	Complex I	Experiment 2
0.421116554	0.422833739	-0.209098241	1.035499962	8.651826963	CON02	Porin	Complex I	Experiment 2
-0.602315183	-0.602193004	-0.856722049	-0.341710535	0.09399812	CON02	TFAM	Complex I	Experiment 2
-0.230100428	-0.231209127	-0.467603256	0.000786845	11.5197696	CON02	PGC1	Complex I	Experiment 2
-0.14517068	-0.145769462	-0.367334178	0.067206566	30.25439491	CON02	LnP	Complex I	Experiment 2
-0.716866049	-0.713778461	-1.572016835	0.147079456	3.668926621	PD02	Prohibitin	Complex I	Experiment 1
0.073355316	0.073220484	-0.185122663	0.325370037	51.8249635	CON02	Htra2	Complex I	Experiment 2
-0.100076222	-0.105830558	-0.448036716	0.277599345	36.03627927	CON02	GPS2	Complex I	Experiment 2
-0.753356495	-0.750724447	-1.290222076	-0.230774419	0.74798504	PD02	DJ1	Complex I	Experiment 2
-0.011194961	-0.011473049	-0.17988605	0.155706477	78.93942121	CON02	Ser65	Complex I	Experiment 2
-2.089553902	-2.089414178	-2.586045558	-1.592481785	0.01099978	CON04	NDUFA13	Complex I	Experiment 2
-1.738770313	-1.753690985	-3.541471881	0.002346102	0.91398172	CON04	MTCO1	Complex I	Experiment 2
0.245283557	0.2432717	-0.505651342	0.995814627	17.64664707	CON04	ATP5B	Complex I	Experiment 2
0.01199601	0.008515655	-0.895058886	0.941286737	21.08057839	CON04	Porin	Complex I	Experiment 2
0.320308697	0.321787129	-1.090213757	1.784076564	11.29277414	CON04	TFAM	Complex I	Experiment 2
-0.073504471	-0.078674056	-1.568366731	1.489293389	13.11673767	CON04	PGC1	Complex I	Experiment 2
0.176446517	0.171789865	-0.582406672	0.976769018	21.14357713	CON04	LnP	Complex I	Experiment 2
-0.629442826	-0.627243644	-1.282351219	0.026429879	3.783924322	CON11	Prohibitin	Complex IV	Experiment 1
0.107073664	0.105841827	-0.654598971	0.864674705	23.80052399	CON04	Htra2	Complex I	Experiment 2
-0.048282011	-0.05769678	-0.911001686	0.82840394	22.22855543	CON04	GPS2	Complex I	Experiment 2
-0.573774068	-0.572142488	-1.062310116	-0.089140313	2.265954681	CON06	DJ1	Complex I	Experiment 2
-0.297358231	-0.296784441	-0.788941503	0.200677738	12.66174677	CON04	Ser65	Complex I	Experiment 2
-1.457189304	-1.456561525	-1.758757677	-1.16082533	0	CON05	NDUFA13	Complex I	Experiment 2
-0.923302655	-0.921942658	-1.301236622	-0.555178132	0.01099978	CON05	MTCO1	Complex I	Experiment 2

-0.317232948	-0.317289754	-0.463435765	-0.172612958	0.32099358	CON05	ATP5B	Complex I	Experiment 2
-0.134401296	-0.134745291	-0.587562748	0.311993796	29.33341333	CON05	Porin	Complex I	Experiment 2
0.17290759	0.171382644	-0.065792295	0.412793113	25.95448091	CON05	TFAM	Complex I	Experiment 2
-0.208586395	-0.208640374	-0.401743328	-0.01218428	12.42775144	CON05	PGC1	Complex I	Experiment 2
-0.142962077	-0.142930075	-0.384354937	0.093137916	32.80634387	CON05	LnP	Complex I	Experiment 2
-0.602540325	-0.06981289	-6.692031787	6.838613173	12.32375352	POLG02	Prohibitin	Complex IV	Experiment 1
-0.397959429	-0.3979207	-0.656186676	-0.132114604	1.337973241	CON05	Htra2	Complex I	Experiment 2
0.07246519	0.071781475	-0.178554281	0.324857687	50.94798104	CON05	GPS2	Complex I	Experiment 2
-0.403336346	-0.411299767	-1.291046697	0.520939949	10.63078738	PD02	DJ1	Complex IV	Experiment 2
-0.167123287	-0.167868999	-0.416847589	0.076780512	26.96246075	CON05	Ser65	Complex I	Experiment 2
-2.332110882	-2.332608086	-2.772205216	-1.888509477	0	CON06	NDUFA13	Complex I	Experiment 2
-1.673292318	-1.673686686	-2.494892744	-0.853492511	0.03399932	CON06	MTCO1	Complex I	Experiment 2
-0.480995094	-0.481150565	-0.895083151	-0.052763609	3.046939061	CON06	ATP5B	Complex I	Experiment 2
-0.540442888	-0.53715906	-1.774874962	0.6959157	8.785824284	CON06	Porin	Complex I	Experiment 2
-0.080280157	-0.078791746	-0.788914845	0.632187254	22.48955021	CON06	TFAM	Complex I	Experiment 2
-0.985504582	-0.984890088	-1.698170656	-0.299563223	0.59298814	CON06	PGC1	Complex I	Experiment 2
-0.06748552	-0.065303491	-0.671346414	0.512567534	27.33045339	CON06	LnP	Complex I	Experiment 2
-0.489437759	-0.49267376	-1.517860345	0.561354232	8.955820884	PD02	Prohibitin	Complex IV	Experiment 1
-0.228661339	-0.228387171	-1.174345428	0.705649483	15.35569289	CON06	Htra2	Complex I	Experiment 2
-0.505139325	-0.507822797	-1.542075782	0.526795601	9.263814724	CON06	GPS2	Complex I	Experiment 2
-0.37972907	-0.375969396	-1.055721491	0.279266433	11.56076878	CON06	DJ1	Complex IV	Experiment 2
-0.810959528	-0.811296285	-1.384092684	-0.245182015	0.6799864	CON06	Ser65	Complex I	Experiment 2
-1.796495084	-1.796192007	-2.062886643	-1.55018236	0	CON07	NDUFA13	Complex I	Experiment 2
-1.371906492	-1.372201076	-1.756674705	-0.983261678	0	CON07	MTCO1	Complex I	Experiment 2
-0.312213629	-0.312369323	-0.46924773	-0.159326981	0.3749925	CON07	ATP5B	Complex I	Experiment 2
0.987818634	0.987191582	0.614359445	1.364235544	0.00099998	CON07	Porin	Complex I	Experiment 2
0.265934414	0.261241407	0.003396286	0.534988875	10.15379692	CON07	TFAM	Complex I	Experiment 2
0.269773454	0.269609953	0.012923932	0.533266578	9.524809504	CON07	PGC1	Complex I	Experiment 2
0.19747378	0.197155284	0.01245931	0.384338657	14.98170037	CON07	LnP	Complex I	Experiment 2

-0.387206644	-0.391461752	-1.419583377	0.646247321	11.40677186	CON11	Prohibitin	Complex V	Experiment 1
0.396679278	0.39693533	0.150236293	0.642626206	0.93598128	CON07	Htra2	Complex I	Experiment 2
0.304709205	0.304247129	-0.010260794	0.625134661	9.335813284	CON07	GPS2	Complex I	Experiment 2
-0.321362416	-0.3221429	-0.679279253	0.043660823	8.800823984	PD01	DJ1	Complex V	Experiment 2
0.038145863	0.038425004	-0.188820682	0.271409439	58.6298274	CON07	Ser65	Complex I	Experiment 2
-1.47219713	-1.471705212	-1.695831792	-1.244995173	0	CON08	NDUFA13	Complex I	Experiment 2
-0.37269196	-0.373604536	-0.881962613	0.149512709	11.1447771	CON08	MTCO1	Complex I	Experiment 2
0.119258542	0.119421529	-0.042473675	0.27354525	40.08319834	CON08	ATP5B	Complex I	Experiment 2
0.47703058	0.477539892	0.159378218	0.787478297	0.9249815	CON08	Porin	Complex I	Experiment 2
0.114516493	0.114040537	-0.138504422	0.359712465	41.11417772	CON08	TFAM	Complex I	Experiment 2
-0.006376353	-0.006544732	-0.17720552	0.157759427	75.88048239	CON08	PGC1	Complex I	Experiment 2
0.280756435	0.280367753	0.048297257	0.509848456	6.031879362	CON08	LnP	Complex I	Experiment 2
-0.360413166	-0.359328016	-0.859367666	0.118918627	9.743805124	PD01	Prohibitin	Complex V	Experiment 1
0.142958365	0.142578648	-0.020352571	0.30698635	30.03439931	CON08	Htra2	Complex I	Experiment 2
0.058900741	0.059236467	-0.075562642	0.19290706	71.60256795	CON08	GPS2	Complex I	Experiment 2
-0.290798776	-0.287931301	-0.718870353	0.122666485	13.42473151	CON11	DJ1	Complex I	Experiment 2
0.081853504	0.081410623	-0.115851821	0.280945376	53.64692706	CON08	Ser65	Complex I	Experiment 2
-1.652534582	-1.651542454	-2.014110659	-1.30115972	0.00299994	CON09	NDUFA13	Complex I	Experiment 2
0.053544956	0.049889416	-1.088014787	1.179735638	17.59164817	CON09	MTCO1	Complex I	Experiment 2
-0.307602328	-0.307995097	-0.660232719	0.03604131	7.464850703	CON09	ATP5B	Complex I	Experiment 2
0.296985057	0.305099497	-0.415243426	0.985363528	14.07871843	CON09	Porin	Complex I	Experiment 2
0.203306238	0.201167502	-0.255003548	0.673396443	22.41755165	CON09	TFAM	Complex I	Experiment 2
-0.324766407	-0.323053993	-0.887805065	0.234327865	11.8197636	CON09	PGC1	Complex I	Experiment 2
-0.213427557	-0.21228278	-0.765803921	0.329021309	21.13157737	CON09	LnP	Complex I	Experiment 2
-0.27296622	-0.273062118	-0.414188657	-0.134506839	0.75398492	CON05	Prohibitin	Complex V	Experiment 1
-0.175972151	-0.16773343	-0.657573097	0.297810096	26.94846103	CON09	Htra2	Complex I	Experiment 2
0.43776765	0.436003531	-0.443142233	1.301580624	9.498810024	CON09	GPS2	Complex I	Experiment 2
-0.285402548	-0.285033724	-0.470966508	-0.099373946	2.444951101	MTDNA02	DJ1	Complex V	Experiment 2
-0.469996307	-0.473427814	-1.396974665	0.40179928	8.565828683	CON09	Ser65	Complex I	Experiment 2

-2.148781469	-2.148497112	-2.546129733	-1.740636939	0	CON10	NDUFA13	Complex I	Experiment 2
-0.417506144	-0.421131849	-1.656012183	0.785044091	10.29179416	CON10	MTCO1	Complex I	Experiment 2
0.303472126	0.304080406	-0.145223246	0.746138931	11.73076538	CON10	ATP5B	Complex I	Experiment 2
1.113412583	1.114238205	0.489482326	1.746892605	0.21199576	CON10	Porin	Complex I	Experiment 2
0.877066924	0.876692277	0.141806552	1.613421953	1.18597628	CON10	TFAM	Complex I	Experiment 2
0.52252389	0.517302475	0.042140704	1.04908627	2.868942621	CON10	PGC1	Complex I	Experiment 2
1.235593249	1.236066104	0.512080702	1.933346045	0.22799544	CON10	LnP	Complex I	Experiment 2
-0.227221052	-0.227118977	-0.447990421	-0.01254582	11.99276014	CON02	Prohibitin	Complex V	Experiment 1
0.72147064	0.717029016	-0.139924045	1.585510651	3.519929601	CON10	Htra2	Complex I	Experiment 2
0.689068941	0.687495015	0.296318597	1.085013703	0.36399272	CON10	GPS2	Complex I	Experiment 2
-0.276788605	-0.278296892	-0.662182107	0.127263826	13.57972841	POLG01	DJ1	Complex IV	Experiment 2
0.352272549	0.351427882	-0.217603046	0.908013446	11.45377092	CON10	Ser65	Complex I	Experiment 2
-1.365579446	-1.362356652	-2.021476104	-0.760216696	0.07699846	CON11	NDUFA13	Complex I	Experiment 2
-0.527233311	-0.520585085	-2.292830091	1.185600613	8.235835283	CON11	MTCO1	Complex I	Experiment 2
0.383367572	0.375406377	-0.617956684	1.366837779	12.00775984	CON11	ATP5B	Complex I	Experiment 2
0.362971996	0.359969576	-1.11637309	1.822480733	10.54178916	CON11	Porin	Complex I	Experiment 2
0.41395333	0.409947952	-0.523923691	1.365427695	11.02177956	CON11	TFAM	Complex I	Experiment 2
0.62692226	0.602340111	-1.08391488	2.58961652	7.571848563	CON11	PGC1	Complex I	Experiment 2
0.605698536	0.597839449	-0.986732747	2.258899321	7.611847763	CON11	LnP	Complex I	Experiment 2
-0.225104651	-0.225938557	-0.463767347	0.01726603	14.42171157	MTDNA02	Prohibitin	Complex V	Experiment 1
0.901170637	0.881048715	-0.697711391	2.598387481	4.474910502	CON11	Htra2	Complex I	Experiment 2
0.268228198	0.266042731	-1.167633558	1.687840078	11.84876302	CON11	GPS2	Complex I	Experiment 2
-0.259486312	-0.259701008	-0.442725529	-0.077449284	4.439911202	CON05	DJ1	Complex V	Experiment 2
0.041336513	0.038483072	-1.072730441	1.143993871	16.01767965	CON11	Ser65	Complex I	Experiment 2
-2.046413027	-2.045697697	-2.562371605	-1.542526946	0.00399992	MTDNA01	NDUFA13	Complex I	Experiment 2
-1.682922275	-1.688918644	-3.465621934	0.11062237	1.04197916	MTDNA01	MTCO1	Complex I	Experiment 2
0.217327682	0.215206396	-0.520362599	0.931820287	19.47361053	MTDNA01	ATP5B	Complex I	Experiment 2
-0.052015667	-0.056536763	-0.933397649	0.843294578	20.94458111	MTDNA01	Porin	Complex I	Experiment 2
0.270785605	0.270097839	-1.166528649	1.684468299	12.18775624	MTDNA01	TFAM	Complex I	Experiment 2

-0.222525419	-0.224044312	-1.595564027	1.176383889	12.72274555	MTDNA01	PGC1	Complex I	Experiment 2
0.107098076	0.10406811	-0.657592819	0.89704278	23.45353093	MTDNA01	LnP	Complex I	Experiment 2
-0.190953129	-0.190273387	-0.641296832	0.277316634	23.93252135	CON05	Prohibitin	Complex IV	Experiment 1
0.065198311	0.062324677	-0.674643808	0.84014141	25.23449531	MTDNA01	Htra2	Complex I	Experiment 2
-0.087965634	-0.088955602	-0.949997766	0.808924839	21.34657307	MTDNA01	GPS2	Complex I	Experiment 2
-0.254572236	-0.253216248	-0.461740832	-0.044721133	6.363872723	PD07	DJ1	Complex I	Experiment 2
-0.360596308	-0.36042408	-0.86174834	0.140913753	8.350832983	MTDNA01	Ser65	Complex I	Experiment 2
-1.144691034	-1.152745738	-2.589830936	0.341633802	0.80798384	MTDNA02	NDUFA13	Complex I	Experiment 2
-0.674588974	-0.700760138	-5.446918662	4.228726301	4.760904782	MTDNA02	MTCO1	Complex I	Experiment 2
0.084603962	-0.001520819	-1.043905373	1.069802892	41.3601728	MTDNA02	ATP5B	Complex I	Experiment 2
0.255674174	0.228749801	-11.40072885	12.63802232	6.950860983	MTDNA02	Porin	Complex I	Experiment 2
0.564104742	0.54831706	-0.614290673	1.712433804	3.579928401	MTDNA02	TFAM	Complex I	Experiment 2
0.246757185	0.201400918	-3.063678071	3.309236565	14.46571069	MTDNA02	PGC1	Complex I	Experiment 2
0.975627891	0.396238087	-14.28425454	15.30258749	7.974840503	MTDNA02	LnP	Complex I	Experiment 2
-0.189762159	-0.190200096	-0.50827799	0.13255174	24.29351413	CON05	Prohibitin	Complex I	Experiment 1
0.553150126	0.42776359	-3.745972684	4.758351876	8.071838563	MTDNA02	Htra2	Complex I	Experiment 2
-0.225500752	-0.308149835	-1.801135536	1.182948554	11.98876022	MTDNA02	GPS2	Complex I	Experiment 2
-0.251564019	-0.251686841	-0.392517771	-0.11424168	1.704965901	CON07	DJ1	Complex V	Experiment 2
-0.074759445	0.013663173	-2.197718919	2.349020075	23.44153117	MTDNA02	Ser65	Complex I	Experiment 2
-1.6801449	-1.678266978	-2.436185404	-0.89152037	0.0449991	MTDNA03	NDUFA13	Complex I	Experiment 2
-0.166249483	-0.164363565	-1.442427024	1.077208386	13.53172937	MTDNA03	MTCO1	Complex I	Experiment 2
0.203711746	0.205324176	-0.951071809	1.332775676	14.50070999	MTDNA03	ATP5B	Complex I	Experiment 2
1.160983927	1.165168236	-0.213609874	2.524274037	2.180956381	MTDNA03	Porin	Complex I	Experiment 2
0.273185136	0.273857611	-0.382938021	0.942529445	16.56966861	MTDNA03	TFAM	Complex I	Experiment 2
1.057285997	1.051298921	-0.615266902	2.736378522	3.603927921	MTDNA03	PGC1	Complex I	Experiment 2
0.697172574	0.698890289	-0.408921647	1.777920986	5.405891882	MTDNA03	LnP	Complex I	Experiment 2
-0.164691	-0.159529554	-11.9355533	11.9076716	5.440891182	MTDNA03	Prohibitin	Complex V	Experiment 1
0.110320081	0.11468738	-0.737190045	0.91749839	19.42961141	MTDNA03	Htra2	Complex I	Experiment 2
0.372975281	0.373922207	-1.333851513	2.094181695	9.042819144	MTDNA03	GPS2	Complex I	Experiment 2

-0.224591634	-0.215132026	-1.515406268	1.035922185	13.40773185	PD07	DJ1	Complex V	Experiment 2
-0.356740585	-0.344603938	-1.006005785	0.252217829	14.09671807	MTDNA03	Ser65	Complex I	Experiment 2
-1.233371818	-1.233861681	-1.672195967	-0.785905549	0.00299994	PD01	NDUFA13	Complex I	Experiment 2
-1.142769582	-1.144548375	-1.702583328	-0.581292412	0.08799824	PD01	MTCO1	Complex I	Experiment 2
-0.247498373	-0.247690815	-0.434790742	-0.051044912	6.293874123	PD01	ATP5B	Complex I	Experiment 2
0.289078263	0.290055692	-0.369000638	0.943927306	15.87768245	PD01	Porin	Complex I	Experiment 2
-0.255635482	-0.256621767	-0.662284983	0.145032911	16.90166197	PD01	TFAM	Complex I	Experiment 2
-0.608819374	-0.608963766	-1.028988752	-0.194898184	0.90698186	PD01	PGC1	Complex I	Experiment 2
0.079288644	0.080041541	-0.179575529	0.336606274	48.34903302	PD01	LnP	Complex I	Experiment 2
-0.142572854	-0.143858215	-0.669195575	0.393713877	27.62644747	CON09	Prohibitin	Complex I	Experiment 1
-0.087686969	-0.086962543	-0.341085059	0.164717471	47.4550509	PD01	Htra2	Complex I	Experiment 2
0.081932506	0.080164242	-0.487455629	0.662510586	27.47545049	PD01	GPS2	Complex I	Experiment 2
-0.215257359	-0.215874674	-0.668504329	0.249719184	21.05957881	CON05	DJ1	Complex IV	Experiment 2
-0.174928573	-0.172081231	-0.51061849	0.158329526	27.76644467	PD01	Ser65	Complex I	Experiment 2
-1.545641747	-1.545187568	-2.151174903	-0.94321555	0.0199996	PD02	NDUFA13	Complex I	Experiment 2
-2.088309635	-2.100354065	-3.674793471	-0.508245815	0.38799224	PD02	MTCO1	Complex I	Experiment 2
-0.720069736	-0.716244753	-1.410117744	-0.015288958	1.992960141	PD02	ATP5B	Complex I	Experiment 2
-0.79773917	-0.795145775	-1.833765933	0.206265189	3.844923102	PD02	Porin	Complex I	Experiment 2
-0.39657805	-0.394304634	-1.160785635	0.378640258	10.65678686	PD02	TFAM	Complex I	Experiment 2
-0.336292508	-0.335716151	-1.040183091	0.315263769	12.89774205	PD02	PGC1	Complex I	Experiment 2
-0.716267377	-0.712654253	-1.536188124	0.073607414	3.040939181	PD02	LnP	Complex I	Experiment 2
-0.09329051	-0.082163504	-0.819938016	0.627306133	23.19653607	CON06	Prohibitin	Complex IV	Experiment 1
-0.90021888	-0.891533216	-1.920050945	0.085268944	2.250954981	PD02	Htra2	Complex I	Experiment 2
-0.515930481	-0.518085206	-1.097521685	0.051942834	4.932901342	PD02	GPS2	Complex I	Experiment 2
-0.198086947	-0.197873079	-0.525123112	0.136542063	23.07553849	CON05	DJ1	Complex I	Experiment 2
-0.323458638	-0.322903917	-0.829801989	0.204917017	12.4947501	PD02	Ser65	Complex I	Experiment 2
-1.786738188	-1.788656681	-2.260836734	-1.326340859	0.01799964	PD03	NDUFA13	Complex I	Experiment 2
-0.955426002	-0.957258203	-3.305702212	1.434681067	4.275914482	PD03	MTCO1	Complex I	Experiment 2
-0.189760814	-0.192543218	-0.834966771	0.471846386	21.54856903	PD03	ATP5B	Complex I	Experiment 2

0.922873708	0.920613406	-0.7541283	2.616509579	3.945921082	PD03	Porin	Complex I	Experiment 2
0.396845529	0.397519511	-0.399181808	1.201631511	9.603807924	PD03	TFAM	Complex I	Experiment 2
0.411539955	0.411683672	-0.705118345	1.489208172	10.35179296	PD03	PGC1	Complex I	Experiment 2
0.37395716	0.366316907	-0.433965952	1.227286975	11.16377672	PD03	LnP	Complex I	Experiment 2
-0.060279337	-0.060156913	-0.234128684	0.118304164	63.55772885	CON07	Prohibitin	Complex V	Experiment 1
0.410742473	0.409828956	-0.595436389	1.398653704	10.38279234	PD03	Htra2	Complex I	Experiment 2
0.449295321	0.450108121	-0.53358553	1.376542519	9.180816384	PD03	GPS2	Complex I	Experiment 2
-0.172038365	0.270547578	-16.25853576	13.90013913	9.935801284	MTDNA03	DJ1	Complex V	Experiment 2
0.729989587	0.710320806	-0.304010577	1.803321906	3.654926901	PD03	Ser65	Complex I	Experiment 2
-1.47812916	-1.477446892	-1.8931087	-1.062056708	0	PD05	NDUFA13	Complex I	Experiment 2
-0.976142348	-0.975381988	-1.410181457	-0.558537115	0.01099978	PD05	MTCO1	Complex I	Experiment 2
-0.013359635	-0.012954479	-0.229293173	0.204551796	64.52770945	PD05	ATP5B	Complex I	Experiment 2
-0.181500585	-0.182027554	-0.755405106	0.375863282	22.73554529	PD05	Porin	Complex I	Experiment 2
0.288346581	0.289103712	-0.028921118	0.605399947	10.49979	PD05	TFAM	Complex I	Experiment 2
-0.11128146	-0.111946051	-0.578708356	0.349656767	30.11639767	PD05	PGC1	Complex I	Experiment 2
0.080934735	0.082051443	-0.254741909	0.42830951	39.86720266	PD05	LnP	Complex I	Experiment 2
0.063680881	0.093684927	-2.17409878	2.282632367	12.52674947	PD05	Prohibitin	Complex V	Experiment 1
-0.313988205	-0.312895656	-0.771687404	0.151713018	13.94572109	PD05	Htra2	Complex I	Experiment 2
-0.063753225	-0.064604666	-0.525017383	0.398310578	33.54732905	PD05	GPS2	Complex I	Experiment 2
-0.145419507	-0.145473708	-0.285161373	-0.006476309	25.90648187	CON07	DJ1	Complex I	Experiment 2
-0.235888358	-0.234440962	-0.588596341	0.1241946	19.03161937	PD05	Ser65	Complex I	Experiment 2
-1.402604401	-1.40245392	-1.817463099	-0.979301622	0.00099998	PD08	NDUFA13	Complex I	Experiment 2
-1.75503145	-1.75183253	-2.589199149	-0.949155316	0.01399972	PD08	MTCO1	Complex I	Experiment 2
-0.286494933	-0.287030316	-0.564600834	-0.008323743	7.981840363	PD08	ATP5B	Complex I	Experiment 2
0.263022942	0.264971604	-0.827778378	1.318547907	13.35573289	PD08	Porin	Complex I	Experiment 2
0.139762048	0.140195483	-0.353384152	0.631240544	27.32845343	PD08	TFAM	Complex I	Experiment 2
0.082777599	0.083541028	-0.383494212	0.552596852	31.84536309	PD08	PGC1	Complex I	Experiment 2
0.140154773	0.140117395	-0.184990299	0.462956224	32.93234135	PD08	LnP	Complex I	Experiment 2
0.066146206	0.066667544	-0.288053123	0.414977922	40.83818324	PD05	Prohibitin	Complex IV	Experiment 1

0.251756234	0.253829089	-0.449955258	0.952880484	17.18965621	PD08	Htra2	Complex I	Experiment 2
0.013915506	0.014573979	-0.676851041	0.694591711	23.83852323	PD08	GPS2	Complex I	Experiment 2
-0.114898766	-0.11554452	-0.278912449	0.04964377	41.85216296	CON09	DJ1	Complex IV	Experiment 2
0.082949007	0.083513471	-0.554045563	0.718760109	24.61750765	PD08	Ser65	Complex I	Experiment 2
-1.636513411	-1.63647079	-1.906714876	-1.358243583	0	PD07	NDUFA13	Complex I	Experiment 2
-0.856110211	-0.860778816	-1.30885925	-0.390415465	0.1749965	PD07	MTCO1	Complex I	Experiment 2
-0.15632238	-0.156541045	-0.453239603	0.139564857	30.22539549	PD07	ATP5B	Complex I	Experiment 2
0.632945114	0.633198942	0.185220414	1.071403123	0.95298094	PD07	Porin	Complex I	Experiment 2
0.315856768	0.312947741	-0.216305837	0.847840749	14.31671367	PD07	TFAM	Complex I	Experiment 2
-0.208781547	-0.210093442	-0.561697252	0.145139836	22.00055999	PD07	PGC1	Complex I	Experiment 2
0.152855486	0.151977919	-0.258230298	0.573711702	28.88142237	PD07	LnP	Complex I	Experiment 2
0.079401368	0.084449968	-0.588474671	0.738682414	23.75952481	CON06	Prohibitin	Complex I	Experiment 1
0.051428264	0.047092854	-0.392692891	0.510401783	34.79330413	PD07	Htra2	Complex I	Experiment 2
0.032750348	0.032769156	-0.413461102	0.46612881	35.75828483	PD07	GPS2	Complex I	Experiment 2
-0.114022233	-0.112058237	-0.572457929	0.359805213	33.39533209	CON09	DJ1	Complex I	Experiment 2
-0.068278538	-0.070254873	-0.527754755	0.389552452	32.99534009	PD07	Ser65	Complex I	Experiment 2
-1.313422472	-1.311926573	-1.572347808	-1.054488043	0	POLG03	NDUFA13	Complex I	Experiment 2
-0.302369135	-0.300804318	-0.856264769	0.250047841	15.93368133	POLG03	MTCO1	Complex I	Experiment 2
-0.029272216	-0.029348357	-0.200164019	0.147681028	71.82456351	POLG03	ATP5B	Complex I	Experiment 2
0.776589424	0.776345275	0.38501581	1.172866607	0.0449991	POLG03	Porin	Complex I	Experiment 2
0.523998063	0.523894292	0.127094045	0.916050467	1.644967101	POLG03	TFAM	Complex I	Experiment 2
0.066401951	0.066167206	-0.243669864	0.378397275	43.98312034	POLG03	PGC1	Complex I	Experiment 2
0.289509984	0.289293229	0.058167955	0.517479462	5.086898262	POLG03	LnP	Complex I	Experiment 2
0.097844648	0.421717294	-8.528992805	8.328781113	7.692846143	MTDNA02	Prohibitin	Complex I	Experiment 1
0.296415678	0.296630123	0.017384656	0.575934216	7.825843483	POLG03	Htra2	Complex I	Experiment 2
0.381026642	0.381777073	0.097487994	0.663919024	2.593948121	POLG03	GPS2	Complex I	Experiment 2
-0.1112919	-0.11095149	-0.455418284	0.229244539	36.63526729	PD05	DJ1	Complex I	Experiment 2
-0.027769313	-0.029088502	-0.373497912	0.329866027	42.07215856	POLG03	Ser65	Complex I	Experiment 2
-0.610557911	-0.61048518	-0.771687237	-0.44717216	0	CON02	NDUFA13	Complex IV	Experiment 2

-1.245433205	-1.245199481	-1.421065934	-1.072516444	0	CON02	MTCO1	Complex IV	Experiment 2
-0.250964628	-0.251040262	-0.340736323	-0.161428617	0.06399872	CON02	ATP5B	Complex IV	Experiment 2
0.813365751	0.813464659	0.601897585	1.028910495	0	CON02	Porin	Complex IV	Experiment 2
-0.542171397	-0.542233191	-0.718334926	-0.368990107	0	CON02	TFAM	Complex IV	Experiment 2
-0.008459547	-0.008436182	-0.20867771	0.188972483	67.75064499	CON02	PGC1	Complex IV	Experiment 2
-0.123232673	-0.123290692	-0.220003496	-0.02769142	31.70436591	CON02	LnP	Complex IV	Experiment 2
0.109372195	0.109006609	-0.298070667	0.517385508	32.99634007	PD03	Prohibitin	Complex V	Experiment 1
0.187902522	0.18811863	0.063475656	0.313405726	8.373832523	CON02	Htra2	Complex IV	Experiment 2
0.041304942	0.042413787	-0.15913534	0.240397846	62.97874043	CON02	GPS2	Complex IV	Experiment 2
-0.09889278	-0.098718455	-0.171326256	-0.029463937	51.39697206	CON02	DJ1	Complex IV	Experiment 2
0.01973468	0.019842992	-0.090939341	0.131736485	90.3701926	CON02	Ser65	Complex IV	Experiment 2
-1.418857023	-1.428711249	-3.23627786	0.499931512	0.94198116	CON03	NDUFA13	Complex IV	Experiment 2
-1.78582105	-1.756581916	-2.801348668	-0.632616235	0.18899622	CON03	MTCO1	Complex IV	Experiment 2
0.544653879	0.533570229	-0.916741773	1.981761798	6.625867483	CON03	ATP5B	Complex IV	Experiment 2
0.625836063	0.611435643	-0.394098759	1.599170125	3.919921602	CON03	Porin	Complex IV	Experiment 2
-0.133047455	-0.149358275	-2.147791985	1.961209068	13.32973341	CON03	TFAM	Complex IV	Experiment 2
-0.140692958	0.662681577	-2.02740815	3.241063757	5.636887262	CON03	PGC1	Complex IV	Experiment 2
0.966623244	0.964002185	-0.360886861	2.302440725	1.581968361	CON03	LnP	Complex IV	Experiment 2
0.127840807	0.12767617	-0.225619744	0.481818035	33.67632647	PD05	Prohibitin	Complex I	Experiment 1
0.559933592	0.5553507	-2.441257849	3.508160921	6.785864283	CON03	Htra2	Complex IV	Experiment 2
0.636473173	0.654595633	-1.027082241	2.20649128	5.246895062	CON03	GPS2	Complex IV	Experiment 2
-0.092147045	-0.0917171	-0.230772481	0.046137877	54.35291294	CON07	DJ1	Complex IV	Experiment 2
0.334173419	0.342878108	-2.953898051	3.64817017	7.656846863	CON03	Ser65	Complex IV	Experiment 2
-1.543668872	-1.541355643	-2.11698801	-0.94992378	0.01599968	CON04	NDUFA13	Complex IV	Experiment 2
-2.270757059	-2.26002818	-2.858346396	-1.742806114	0	CON04	MTCO1	Complex IV	Experiment 2
-0.007738892	-0.010133811	-0.368109204	0.351539087	46.44407112	CON04	ATP5B	Complex IV	Experiment 2
0.121714049	0.119256345	-0.557992672	0.785486751	23.87052259	CON04	Porin	Complex IV	Experiment 2
0.107877887	0.099862071	-0.833766818	1.078968676	18.68962621	CON04	TFAM	Complex IV	Experiment 2
-0.581387624	-0.585101559	-1.317946538	0.172884367	5.233895322	CON04	PGC1	Complex IV	Experiment 2

-0.046648532	-0.061307837	-0.538584216	0.524155939	30.97138057	CON04	LnP	Complex IV	Experiment 2
0.136416173	0.136572685	-0.45983075	0.752360388	25.69848603	PD08	Prohibitin	Complex IV	Experiment 1
-0.086846221	-0.096905017	-0.625325908	0.470737504	28.28743425	CON04	Htra2	Complex IV	Experiment 2
-0.248329308	-0.250822593	-0.709309001	0.227706109	17.70564589	CON04	GPS2	Complex IV	Experiment 2
-0.081209359	-0.079913583	-0.386982054	0.220103025	47.3350533	CON04	DJ1	Complex I	Experiment 2
-0.129053093	-0.129985049	-0.801354456	0.511013006	24.09451811	CON04	Ser65	Complex IV	Experiment 2
-1.157820629	-1.154303385	-1.765586664	-0.569337014	0.11299774	CON05	NDUFA13	Complex IV	Experiment 2
-1.339193791	-1.333813676	-1.916467574	-0.789949746	0.03099938	CON05	MTCO1	Complex IV	Experiment 2
-0.274760447	-0.275438365	-0.536042818	-0.013802835	7.305853883	CON05	ATP5B	Complex IV	Experiment 2
0.03784114	0.037575715	-0.639177122	0.721952185	26.16947661	CON05	Porin	Complex IV	Experiment 2
0.163727888	0.162327688	-0.264027752	0.609839188	27.75444491	CON05	TFAM	Complex IV	Experiment 2
-0.177740156	-0.17773429	-0.339708653	-0.01569064	15.26369473	CON05	PGC1	Complex IV	Experiment 2
-0.174711175	-0.174614114	-0.526338627	0.150293668	25.92248155	CON05	LnP	Complex IV	Experiment 2
0.137651326	-0.032766159	-1.502756569	1.421746668	44.87110258	PD07	Prohibitin	Complex V	Experiment 1
-0.343707355	-0.342633132	-0.725347441	0.038099043	7.230855383	CON05	Htra2	Complex IV	Experiment 2
0.162859799	0.163339607	-0.246806149	0.574734336	27.57644847	CON05	GPS2	Complex IV	Experiment 2
-0.077224628	-0.077523963	-0.213395871	0.060027687	63.47473051	CON02	DJ1	Complex I	Experiment 2
-0.192840447	-0.192882273	-0.528743986	0.165966552	23.17253655	CON05	Ser65	Complex IV	Experiment 2
-1.843532959	-1.843862113	-2.600066723	-1.107334016	0.01099978	CON06	NDUFA13	Complex IV	Experiment 2
-2.360329121	-2.360175776	-2.919212602	-1.795110901	0	CON06	MTCO1	Complex IV	Experiment 2
-0.574350982	-0.570523814	-1.013670597	-0.134933176	1.358972821	CON06	ATP5B	Complex IV	Experiment 2
-0.260356342	-0.253555031	-1.696669437	1.186742644	10.98878022	CON06	Porin	Complex IV	Experiment 2
-0.038311983	-0.032727246	-0.882622185	0.779385968	20.73758525	CON06	TFAM	Complex IV	Experiment 2
-0.868603322	-0.865465052	-1.607338284	-0.11092938	1.370972581	CON06	PGC1	Complex IV	Experiment 2
-0.229865275	-0.224588761	-0.8558214	0.403638483	20.00359993	CON06	LnP	Complex IV	Experiment 2
0.150106495	0.150217222	-0.019250937	0.324488285	27.98944021	CON07	Prohibitin	Complex IV	Experiment 1
-0.333287186	-0.331878197	-1.489652453	0.791154114	12.04375912	CON06	Htra2	Complex IV	Experiment 2
-0.414293287	-0.411521356	-1.546187747	0.716699533	10.9347813	CON06	GPS2	Complex IV	Experiment 2
-0.061579179	-0.061754379	-0.297109201	0.177876104	56.13687726	CON04	DJ1	Complex IV	Experiment 2

-0.740773974	-0.739031554	-1.518974071	0.015672663	2.911941761	CON06	Ser65	Complex IV	Experiment 2
-1.30385396	-1.303900497	-1.64700505	-0.955033552	0	CON07	NDUFA13	Complex IV	Experiment 2
-1.723185463	-1.722353942	-2.008809098	-1.430649305	0	CON07	MTCO1	Complex IV	Experiment 2
-0.3317107	-0.331876153	-0.496977608	-0.169214419	0.30799384	CON07	ATP5B	Complex IV	Experiment 2
0.932726479	0.933692175	0.558772639	1.295833038	0.00199996	CON07	Porin	Complex IV	Experiment 2
0.202151515	0.201786955	-0.009207536	0.409144249	16.14267715	CON07	TFAM	Complex IV	Experiment 2
0.203750511	0.203809598	-0.062395828	0.465286717	20.48059039	CON07	PGC1	Complex IV	Experiment 2
0.13663826	0.136205566	-0.046236157	0.311817973	33.88832223	CON07	LnP	Complex IV	Experiment 2
0.150942251	0.151279711	-0.270538023	0.580730452	28.71142577	PD08	Prohibitin	Complex I	Experiment 1
0.244871081	0.245354843	0.022272612	0.461058008	9.455810884	CON07	Htra2	Complex IV	Experiment 2
0.287356975	0.28738792	0.00155574	0.581449345	9.700805984	CON07	GPS2	Complex IV	Experiment 2
-0.06097467	-0.061219411	-0.176310272	0.054902859	74.51250975	POLG03	DJ1	Complex I	Experiment 2
-0.083508581	-0.083463385	-0.315751163	0.149246767	49.60700786	CON07	Ser65	Complex IV	Experiment 2
-0.641357511	-0.641608734	-1.018942847	-0.26986439	0.2749945	CON08	NDUFA13	Complex IV	Experiment 2
-1.733653494	-1.733503347	-2.02090217	-1.442161753	0	CON08	MTCO1	Complex IV	Experiment 2
0.035168852	0.035400358	-0.142057068	0.205756043	70.72358553	CON08	ATP5B	Complex IV	Experiment 2
0.723196031	0.722725217	0.442766652	1.003535052	0	CON08	Porin	Complex IV	Experiment 2
-0.098397408	-0.098743212	-0.383433033	0.182708045	41.9951601	CON08	TFAM	Complex IV	Experiment 2
-0.037573683	-0.037580762	-0.202225678	0.12765526	72.17555649	CON08	PGC1	Complex IV	Experiment 2
0.195525924	0.194887454	-0.003101005	0.393992348	16.95166097	CON08	LnP	Complex IV	Experiment 2
0.173836935	0.17368787	-1.4221554	1.704984306	15.58168837	POLG01	Prohibitin	Complex IV	Experiment 1
0.123686167	0.124047262	-0.017021636	0.263702939	36.79126417	CON08	Htra2	Complex IV	Experiment 2
-0.005658414	-0.005690919	-0.145953486	0.139116989	83.50432991	CON08	GPS2	Complex IV	Experiment 2
-0.060890747	-0.060650444	-0.381916865	0.272680361	44.56110878	PD01	DJ1	Complex I	Experiment 2
0.068388876	0.068308214	-0.152641932	0.288921042	54.31591368	CON08	Ser65	Complex IV	Experiment 2
-0.343752888	-0.345054677	-0.822078911	0.147413733	12.1047579	CON09	NDUFA13	Complex IV	Experiment 2
-1.193342191	-1.192135591	-1.402978359	-0.981773765	0	CON09	MTCO1	Complex IV	Experiment 2
0.084199933	0.083279195	-0.101638672	0.277127369	54.51390972	CON09	ATP5B	Complex IV	Experiment 2
0.424966788	0.424527723	0.101343943	0.73440795	2.074958501	CON09	Porin	Complex IV	Experiment 2

0.270959721	0.268973927	-0.036290628	0.586285695	12.72074559	CON09	TFAM	Complex IV	Experiment 2
0.212471279	0.212264344	-0.124210515	0.535878842	21.61856763	CON09	PGC1	Complex IV	Experiment 2
0.341993803	0.342212667	0.038658368	0.638550353	5.261894762	CON09	LnP	Complex IV	Experiment 2
0.177036692	0.177057267	-0.169919789	0.535060637	25.77248455	CON02	Prohibitin	Complex I	Experiment 1
0.118351546	0.115322637	-0.149374404	0.388161358	40.35219296	CON09	Htra2	Complex IV	Experiment 2
0.318410122	0.318116907	0.017420675	0.620480578	7.021859563	CON09	GPS2	Complex IV	Experiment 2
-0.058367695	-0.059376157	-0.233151816	0.114424185	65.10569789	POLG03	DJ1	Complex IV	Experiment 2
-0.028912855	-0.031462623	-0.645257443	0.58350894	25.93448131	CON09	Ser65	Complex IV	Experiment 2
-1.857290115	-1.859887237	-3.412086986	-0.249041769	0.39699206	CON10	NDUFA13	Complex IV	Experiment 2
-1.573590034	-1.576412591	-2.017237766	-1.115970872	0.05199896	CON10	MTCO1	Complex IV	Experiment 2
0.221472791	0.239950066	-0.972736001	1.403058544	15.88768225	CON10	ATP5B	Complex IV	Experiment 2
1.263275392	1.26585851	-0.181454075	2.742768292	1.00897982	CON10	Porin	Complex IV	Experiment 2
0.558335441	0.567432069	-0.691241141	1.789586613	5.636887262	CON10	TFAM	Complex IV	Experiment 2
0.275648364	0.280046947	-0.39670245	0.947534005	13.61672767	CON10	PGC1	Complex IV	Experiment 2
1.335546435	1.337596911	-0.965899988	3.490637594	1.677966441	CON10	LnP	Complex IV	Experiment 2
0.194361338	0.193662132	-0.141531184	0.528465695	23.58652827	POLG03	Prohibitin	Complex IV	Experiment 1
0.899390055	0.875226976	-1.79319472	3.455993512	4.425911482	CON10	Htra2	Complex IV	Experiment 2
0.552877083	0.562036078	-0.84793982	1.906425132	6.030879382	CON10	GPS2	Complex IV	Experiment 2
-0.057206712	-0.056471469	-0.405932085	0.265911782	48.69802604	MTDNA01	DJ1	Complex I	Experiment 2
0.26182266	0.25249099	-0.953762768	1.448889076	15.44069119	CON10	Ser65	Complex IV	Experiment 2
-0.856394605	-0.856481381	-1.535151188	-0.192603236	1.07197856	CON11	NDUFA13	Complex IV	Experiment 2
-1.513452593	-1.507883456	-2.136134304	-0.908941591	0.00099998	CON11	MTCO1	Complex IV	Experiment 2
-0.662198665	-0.661395716	-1.086628844	-0.240156037	0.50398992	CON11	ATP5B	Complex IV	Experiment 2
-0.838904412	-0.838790735	-1.643585744	-0.07333851	2.009959801	CON11	Porin	Complex IV	Experiment 2
-0.348835111	-0.343404719	-0.920139107	0.214096046	12.89474211	CON11	TFAM	Complex IV	Experiment 2
-0.736512479	-0.733241518	-1.592245062	0.11306187	3.898922022	CON11	PGC1	Complex IV	Experiment 2
-0.790914562	-0.791359669	-1.600433312	0.017011067	2.874942501	CON11	LnP	Complex IV	Experiment 2
0.208501909	0.201553536	-0.303057158	0.700689892	22.75354493	CON04	Prohibitin	Complex IV	Experiment 1
-0.551848435	-0.551070242	-1.438823109	0.3125317	8.046839063	CON11	Htra2	Complex IV	Experiment 2

-0.498668408	-0.497241116	-1.328850885	0.354553335	9.184816304	CON11	GPS2	Complex IV	Experiment 2
-0.05078714	-0.051288651	-0.359734427	0.256635518	46.69306614	PD01	DJ1	Complex IV	Experiment 2
-0.4003461	-0.402588643	-1.373074901	0.562047555	11.5297694	CON11	Ser65	Complex IV	Experiment 2
-1.452898581	-1.450479133	-1.961048449	-0.942025123	0.00899982	MTDNA01	NDUFA13	Complex IV	Experiment 2
-2.290294522	-2.278685204	-2.873215233	-1.750951499	0.00399992	MTDNA01	MTCO1	Complex IV	Experiment 2
-0.013248276	-0.015218743	-0.340182625	0.323258474	49.03901922	MTDNA01	ATP5B	Complex IV	Experiment 2
0.202785571	0.201207659	-0.424607554	0.81700548	21.18857623	MTDNA01	Porin	Complex IV	Experiment 2
0.309445435	0.306713542	-0.610447515	1.248388687	14.24871503	MTDNA01	TFAM	Complex IV	Experiment 2
-0.522007989	-0.524728392	-1.232156007	0.190450894	6.497870043	MTDNA01	PGC1	Complex IV	Experiment 2
0.019490894	0.009084563	-0.512825368	0.573515243	32.59334813	MTDNA01	LnP	Complex IV	Experiment 2
0.230272557	0.230869107	-0.060221294	0.515413866	16.31967361	PD01	Prohibitin	Complex I	Experiment 1
-0.06609368	-0.075052746	-0.5735531	0.4806084	31.05937881	MTDNA01	Htra2	Complex IV	Experiment 2
-0.088094978	-0.089760546	-0.582193136	0.416744485	31.38837223	MTDNA01	GPS2	Complex IV	Experiment 2
-0.025624435	-0.021939338	-0.147274027	0.087704367	88.77922442	CON08	DJ1	Complex I	Experiment 2
-0.119881743	-0.121658979	-0.838822658	0.626716572	22.11855763	MTDNA01	Ser65	Complex IV	Experiment 2
-0.931669482	-0.931122157	-1.436920645	-0.443459247	0.12799744	PD01	NDUFA13	Complex IV	Experiment 2
-1.34349272	-1.34344835	-1.680492637	-1.00171329	0.00099998	PD01	MTCO1	Complex IV	Experiment 2
-0.137085368	-0.137462718	-0.357528242	0.078186085	34.46431071	PD01	ATP5B	Complex IV	Experiment 2
0.582432693	0.58220385	0.085742704	1.092686337	2.428951421	PD01	Porin	Complex IV	Experiment 2
0.210490399	0.210629284	-0.180889335	0.610091836	22.10255795	PD01	TFAM	Complex IV	Experiment 2
-0.282527313	-0.283061958	-0.782054392	0.208040162	16.23367533	PD01	PGC1	Complex IV	Experiment 2
0.136561086	0.136788891	-0.091254587	0.361356994	34.82530349	PD01	LnP	Complex IV	Experiment 2
0.234500912	0.226371372	-0.189202951	0.681407956	19.86960261	MTDNA01	Prohibitin	Complex IV	Experiment 1
0.050971971	0.05185239	-0.200461435	0.302589353	53.62292754	PD01	Htra2	Complex IV	Experiment 2
0.450507244	0.449667254	-0.005201122	0.906090942	5.346893062	PD01	GPS2	Complex IV	Experiment 2
-0.021384063	-0.021821575	-0.304164834	0.269601954	54.8049039	MTDNA01	DJ1	Complex IV	Experiment 2
-0.021137991	-0.02032882	-0.373113397	0.340624993	44.80310394	PD01	Ser65	Complex IV	Experiment 2
-1.10747032	-1.127549658	-2.322024762	0.128969528	2.026959461	PD02	NDUFA13	Complex IV	Experiment 2
-2.693160959	-2.690347293	-3.716667531	-1.646850834	0.0149997	PD02	MTCO1	Complex IV	Experiment 2

-0.575401214	-0.577451383	-1.391366082	0.262190313	5.378892422	PD02	ATP5B	Complex IV	Experiment 2
-0.599485867	-0.59907884	-1.730248403	0.543034816	7.428851423	PD02	Porin	Complex IV	Experiment 2
-0.251972282	-0.249881185	-1.05438836	0.564117585	16.98966021	PD02	TFAM	Complex IV	Experiment 2
-0.462414948	-0.461277031	-1.068674686	0.115126767	6.150876982	PD02	PGC1	Complex IV	Experiment 2
-0.548950343	-0.55160625	-1.491746862	0.395134267	7.094858103	PD02	LnP	Complex IV	Experiment 2
0.251903485	0.251537258	0.038481893	0.465189334	7.860842783	CON08	Prohibitin	Complex I	Experiment 1
-0.77016526	-0.763997926	-1.891041818	0.300030236	4.227915442	PD02	Htra2	Complex IV	Experiment 2
-0.094965052	-0.096647069	-0.841474178	0.630833333	22.85254295	PD02	GPS2	Complex IV	Experiment 2
-0.010317565	-0.011134434	-0.170438435	0.154497656	78.08543829	PD07	DJ1	Complex IV	Experiment 2
-0.220136817	-0.221338647	-0.811534763	0.394945797	19.98260035	PD02	Ser65	Complex IV	Experiment 2
-1.656079068	-1.360263388	-6.696733241	4.044964684	1.782964341	PD03	NDUFA13	Complex IV	Experiment 2
-1.680524488	-2.128454734	-8.29792247	3.805032458	0.7149857	PD03	MTCO1	Complex IV	Experiment 2
-0.402495134	-0.453624858	-1.181169434	0.330827087	2.269954601	PD03	ATP5B	Complex IV	Experiment 2
0.89229943	1.616363855	-13.15238543	14.90173085	1.744965101	PD03	Porin	Complex IV	Experiment 2
0.304536369	0.207274264	-4.877052716	5.2817092	11.0397792	PD03	TFAM	Complex IV	Experiment 2
0.594659748	0.506853132	-5.227000482	6.641844904	6.391872163	PD03	PGC1	Complex IV	Experiment 2
0.239313502	0.160691519	-1.864205615	2.22657424	20.90758185	PD03	LnP	Complex IV	Experiment 2
0.255771315	0.256016075	-0.170135293	0.680912963	17.49965001	PD07	Prohibitin	Complex I	Experiment 1
0.320962763	0.425697166	-6.833854045	7.582679093	6.774864503	PD03	Htra2	Complex IV	Experiment 2
0.776589206	0.835646801	-9.982016752	11.841626	3.790924182	PD03	GPS2	Complex IV	Experiment 2
0.000451953	0.002768828	-0.116682232	0.108168623	92.58214836	CON08	DJ1	Complex IV	Experiment 2
0.282170158	0.266751099	-2.203974309	2.674009259	12.98774025	PD03	Ser65	Complex IV	Experiment 2
-1.050378389	-1.052004513	-1.577475045	-0.528154974	0.05599888	PD05	NDUFA13	Complex IV	Experiment 2
-1.105296145	-1.105495347	-1.479199203	-0.709591312	0.00099998	PD05	MTCO1	Complex IV	Experiment 2
0.002366196	0.002875208	-0.205244238	0.203862257	67.42065159	PD05	ATP5B	Complex IV	Experiment 2
-0.053352545	-0.05419133	-0.626640554	0.524223686	27.42145157	PD05	Porin	Complex IV	Experiment 2
0.267953287	0.268138196	-0.080936961	0.595244698	13.68372633	PD05	TFAM	Complex IV	Experiment 2
-0.16035615	-0.162583562	-0.65073582	0.318515406	25.82848343	PD05	PGC1	Complex IV	Experiment 2
-0.015633625	-0.01478221	-0.361855822	0.317675703	44.7901042	PD05	LnP	Complex IV	Experiment 2

0.266115941	0.265804518	0.092843901	0.438339242	2.906941861	CON07	Prohibitin	Complex I	Experiment 1
-0.347116073	-0.347295427	-0.813988824	0.108242381	11.10377792	PD05	Htra2	Complex IV	Experiment 2
-0.18330778	-0.189655467	-0.630348092	0.308793452	23.40553189	PD05	GPS2	Complex IV	Experiment 2
0.01041544	0.011445158	-0.345761169	0.359670012	43.10713786	PD05	DJ1	Complex IV	Experiment 2
-0.188354948	-0.18672739	-0.547736087	0.180847419	25.68148637	PD05	Ser65	Complex IV	Experiment 2
-1.007919385	-1.008593003	-1.351525024	-0.667147045	0.00199996	PD07	NDUFA13	Complex IV	Experiment 2
-1.317322541	-1.316766656	-1.502599641	-1.13506381	0	PD07	MTCO1	Complex IV	Experiment 2
-0.01167425	-0.012438322	-0.245256116	0.22402153	61.05777884	PD07	ATP5B	Complex IV	Experiment 2
0.652347038	0.652194352	0.331647124	0.973100425	0.08199836	PD07	Porin	Complex IV	Experiment 2
0.53213325	0.530581631	0.231013103	0.828939733	0.29399412	PD07	TFAM	Complex IV	Experiment 2
-0.0346826	-0.035131297	-0.413267993	0.353696429	39.4202116	PD07	PGC1	Complex IV	Experiment 2
0.498700023	0.498799094	0.209141604	0.779290547	0.39199216	PD07	LnP	Complex IV	Experiment 2
0.270222712	0.273092623	-0.358274655	0.895040145	16.00967981	MTDNA01	Prohibitin	Complex I	Experiment 1
0.292511851	0.290504779	-0.017788776	0.609130952	10.2247955	PD07	Htra2	Complex IV	Experiment 2
0.221662889	0.222230386	-0.136732783	0.580487116	20.62958741	PD07	GPS2	Complex IV	Experiment 2
0.072979166	0.100441559	-4.681922272	4.824271159	13.32273355	POLG02	DJ1	Complex IV	Experiment 2
-0.018063842	-0.017806961	-0.354085134	0.322768628	44.71310574	PD07	Ser65	Complex IV	Experiment 2
-1.438530516	-1.43742994	-1.928466276	-0.966976303	0.01199976	PD08	NDUFA13	Complex IV	Experiment 2
-1.909344886	-1.900064979	-3.004002001	-0.843963721	0.11299774	PD08	MTCO1	Complex IV	Experiment 2
-0.302334078	-0.302719157	-0.72882823	0.115090133	10.62078758	PD08	ATP5B	Complex IV	Experiment 2
0.281192399	0.280744277	-1.260269126	1.801906595	10.85778284	PD08	Porin	Complex IV	Experiment 2
0.294294163	0.296655449	-0.305171584	0.917838457	14.75170497	PD08	TFAM	Complex IV	Experiment 2
0.171986702	0.17219567	-0.433848393	0.786221686	23.06153877	PD08	PGC1	Complex IV	Experiment 2
0.066096199	0.0686257	-0.359526696	0.494033648	37.60624788	PD08	LnP	Complex IV	Experiment 2
0.281530255	0.281809016	0.012258459	0.550834637	8.698826023	PD01	Prohibitin	Complex IV	Experiment 1
0.174002843	0.176698522	-0.737745575	1.122621649	17.42065159	PD08	Htra2	Complex IV	Experiment 2
0.136598899	0.135045944	-0.658048965	0.909299173	20.91058179	PD08	GPS2	Complex IV	Experiment 2
0.117211707	0.117218394	-0.582661251	0.836613359	23.49853003	PD08	DJ1	Complex IV	Experiment 2
0.05762141	0.055884616	-0.768115748	0.890232477	21.53256935	PD08	Ser65	Complex IV	Experiment 2

-0.12831791	-0.121164562	-1.374101039	1.10692797	20.67058659	POLG01	NDUFA13	Complex IV	Experiment 2
-2.954799581	-2.947148412	-4.753007126	-1.195467316	0.1249975	POLG01	MTCO1	Complex IV	Experiment 2
-0.409752317	-0.411993527	-2.356115133	1.472011727	9.528809424	POLG01	ATP5B	Complex IV	Experiment 2
-0.687643041	-0.694023515	-3.1613098	1.59828058	5.769884602	POLG01	Porin	Complex IV	Experiment 2
-0.609320577	-0.617296875	-1.733518334	0.496295607	4.305913882	POLG01	TFAM	Complex IV	Experiment 2
0.037720468	-0.075148015	-1.464159318	1.335649907	19.81760365	POLG01	PGC1	Complex IV	Experiment 2
0.142836382	0.138430431	-1.540922182	1.961168989	14.83570329	POLG01	LnP	Complex IV	Experiment 2
0.283829564	0.283641666	0.078978302	0.487753133	3.832923342	CON08	Prohibitin	Complex IV	Experiment 1
-0.129574613	-0.116408299	-1.084419046	0.828290994	22.41255175	POLG01	Htra2	Complex IV	Experiment 2
-1.98812153	-1.98710231	-4.839857532	0.974682012	0.91098178	POLG01	GPS2	Complex IV	Experiment 2
0.127138181	0.130117462	-0.315900469	0.546098346	30.13539729	CON11	DJ1	Complex IV	Experiment 2
-0.068529304	-0.070140338	-1.289713021	1.046571258	21.48057039	POLG01	Ser65	Complex IV	Experiment 2
-0.491556603	0.001639298	-7.648500386	7.276554793	9.573808524	POLG02	NDUFA13	Complex IV	Experiment 2
-1.413607677	-1.498112685	-5.0896988	1.846622558	0.7699846	POLG02	MTCO1	Complex IV	Experiment 2
-0.364540042	-0.307018232	-3.395636364	2.396468249	11.49877002	POLG02	ATP5B	Complex IV	Experiment 2
0.547133092	0.638792284	-5.091759174	6.240288959	5.342893142	POLG02	Porin	Complex IV	Experiment 2
0.009827773	0.019589154	-0.783054092	0.80774476	45.27309454	POLG02	TFAM	Complex IV	Experiment 2
0.055746533	0.01648664	-1.810210496	1.963515268	22.95154097	POLG02	PGC1	Complex IV	Experiment 2
0.271627748	-0.037985606	-7.591662642	7.394148046	12.3097538	POLG02	LnP	Complex IV	Experiment 2
0.299546696	0.299171327	-0.332149538	0.939127983	14.35771285	CON04	Prohibitin	Complex I	Experiment 1
0.254164942	0.17493648	-5.903834149	6.043024217	8.865822684	POLG02	Htra2	Complex IV	Experiment 2
0.423923525	0.497702833	-2.847796453	3.465602039	7.763844723	POLG02	GPS2	Complex IV	Experiment 2
0.140263335	0.14035515	0.023874759	0.253503392	23.69552609	CON02	DJ1	Complex V	Experiment 2
0.199801901	-0.016561937	-6.028639319	6.054295718	10.98778024	POLG02	Ser65	Complex IV	Experiment 2
-0.493780136	-0.497005926	-0.812885507	-0.178553026	1.1749765	POLG03	NDUFA13	Complex IV	Experiment 2
-2.131829273	-2.132027842	-2.418635939	-1.84290351	0	POLG03	MTCO1	Complex IV	Experiment 2
-0.266080753	-0.266722602	-0.600244501	0.075766742	13.01573969	POLG03	ATP5B	Complex IV	Experiment 2
0.746033752	0.746551987	0.068417343	1.413786805	2.020959581	POLG03	Porin	Complex IV	Experiment 2
-0.103683071	-0.105569684	-0.895004034	0.694466279	20.44259115	POLG03	TFAM	Complex IV	Experiment 2

-0.146524453	-0.150813451	-0.661029339	0.379772695	25.76648467	POLG03	PGC1	Complex IV	Experiment 2
0.219326109	0.219352111	-0.220925294	0.66653921	21.01057979	POLG03	LnP	Complex IV	Experiment 2
0.320220223	0.239359871	-3.614735129	4.182893998	14.50170997	PD03	Prohibitin	Complex IV	Experiment 1
-0.177967086	-0.178502651	-0.569409265	0.214055984	26.22847543	POLG03	Htra2	Complex IV	Experiment 2
0.487979635	0.488002852	-0.094517226	1.063329693	5.960880782	POLG03	GPS2	Complex IV	Experiment 2
0.169404208	0.169482386	-0.312587546	0.654637353	25.46649067	PD08	DJ1	Complex I	Experiment 2
0.300610929	0.292454008	-0.037732396	0.632636654	8.032839343	POLG03	Ser65	Complex IV	Experiment 2
-1.041707949	-1.041453407	-1.263270308	-0.819156269	0	CON02	NDUFA13	Complex V	Experiment 2
-1.409830596	-1.408753333	-1.811431838	-1.012180434	0	CON02	MTCO1	Complex V	Experiment 2
-0.607403603	-0.607351096	-0.706504215	-0.507891351	0	CON02	ATP5B	Complex V	Experiment 2
0.173351232	0.173525196	-0.23006521	0.581909589	26.73246535	CON02	Porin	Complex V	Experiment 2
-0.722807403	-0.721616217	-1.020779834	-0.427008123	0.00199996	CON02	TFAM	Complex V	Experiment 2
-0.373277179	-0.37352741	-0.676851632	-0.066247646	3.702925941	CON02	PGC1	Complex V	Experiment 2
-0.300272225	-0.300123473	-0.474642487	-0.129144543	1.20897582	CON02	LnP	Complex V	Experiment 2
0.37597982	0.375701059	0.191823069	0.574159324	0.24799504	POLG03	Prohibitin	Complex I	Experiment 1
-0.132956269	-0.13283091	-0.332836315	0.070920371	35.90228195	CON02	Htra2	Complex V	Experiment 2
0.07354134	0.075352454	-0.237428818	0.390551575	42.35915282	CON02	GPS2	Complex V	Experiment 2
0.172134751	0.059522031	-2.281037169	2.359065261	27.93944121	MTDNA02	DJ1	Complex I	Experiment 2
-0.199354256	-0.199585125	-0.399142906	0.001550642	15.23869523	CON02	Ser65	Complex V	Experiment 2
-0.659938233	-0.660189889	-0.852913856	-0.466458964	0	CON05	NDUFA13	Complex V	Experiment 2
-0.583055453	-0.582952366	-0.727559076	-0.436989857	0	CON05	MTCO1	Complex V	Experiment 2
-0.441448283	-0.441361884	-0.50541394	-0.378331423	0	CON05	ATP5B	Complex V	Experiment 2
0.009996267	0.009800862	-0.196785907	0.219914836	65.21769565	CON05	Porin	Complex V	Experiment 2
-0.128724848	-0.128762826	-0.233030979	-0.022567213	29.41841163	CON05	TFAM	Complex V	Experiment 2
-0.0633077	-0.063441795	-0.204861771	0.078127508	68.45963081	CON05	PGC1	Complex V	Experiment 2
-0.255864812	-0.255680603	-0.367492042	-0.147028648	0.26799464	CON05	LnP	Complex V	Experiment 2
0.415953644	0.415938135	0.252138802	0.585304826	0.01399972	CON02	Prohibitin	Complex IV	Experiment 1
-0.254446176	-0.25436996	-0.403225915	-0.101042176	2.238955221	CON05	Htra2	Complex V	Experiment 2
0.07937142	0.079127218	-0.04959542	0.208762728	61.9647607	CON05	GPS2	Complex V	Experiment 2

0.194850494	0.184399061	-0.280647009	0.62154268	20.80858383	CON10	DJ1	Complex IV	Experiment 2
-0.169005514	-0.169239	-0.312243788	-0.025630933	17.41765165	CON05	Ser65	Complex V	Experiment 2
-1.089997386	-1.089627411	-1.494865376	-0.676702303	0.00199996	CON07	NDUFA13	Complex V	Experiment 2
-1.099837072	-1.101184584	-1.49358595	-0.705566418	0	CON07	MTCO1	Complex V	Experiment 2
-0.618888425	-0.619139577	-0.729188795	-0.50895967	0	CON07	ATP5B	Complex V	Experiment 2
1.135604822	1.136616	0.757779597	1.492875289	0	CON07	Porin	Complex V	Experiment 2
-0.012077765	-0.010749013	-0.239763053	0.217130549	61.14077718	CON07	TFAM	Complex V	Experiment 2
0.292192736	0.291912961	0.016793643	0.557098851	7.726845463	CON07	PGC1	Complex V	Experiment 2
-0.070038744	-0.069238637	-0.243051063	0.103410664	60.8347833	CON07	LnP	Complex V	Experiment 2
0.425450258	0.425607707	0.170960436	0.688885055	0.77298454	CON09	Prohibitin	Complex IV	Experiment 1
0.30563821	0.30735783	0.071244623	0.523789498	3.949921002	CON07	Htra2	Complex V	Experiment 2
0.192453388	0.192446855	-0.103408174	0.491450457	24.46651067	CON07	GPS2	Complex V	Experiment 2
0.220998287	0.220816326	0.030022132	0.423751631	9.191816164	CON10	DJ1	Complex I	Experiment 2
-0.095077216	-0.095043085	-0.326793501	0.136654641	46.850063	CON07	Ser65	Complex V	Experiment 2
-0.372374167	-0.371894239	-1.262830614	0.509375458	12.3897522	CON11	NDUFA13	Complex V	Experiment 2
-0.919632882	-0.920441017	-1.630191604	-0.197660886	0.92298154	CON11	MTCO1	Complex V	Experiment 2
-0.639376823	-0.638482477	-1.002938251	-0.291595172	0.23899522	CON11	ATP5B	Complex V	Experiment 2
-0.579240024	-0.580171734	-1.392667665	0.246520088	6.206875862	CON11	Porin	Complex V	Experiment 2
-0.36675092	-0.371763283	-1.09744139	0.360508314	10.49879002	CON11	TFAM	Complex V	Experiment 2
-0.315470391	-0.310660683	-1.130132272	0.463785308	14.71070579	CON11	PGC1	Complex V	Experiment 2
-0.382367246	-0.391765211	-1.774104457	1.027123955	10.16679666	CON11	LnP	Complex V	Experiment 2
0.441150605	0.426403573	-0.63625435	1.516222408	9.967800644	PD03	Prohibitin	Complex I	Experiment 1
-0.441469177	-0.444036729	-1.685160641	0.868660695	9.936801264	CON11	Htra2	Complex V	Experiment 2
-0.681098264	-0.679506446	-1.336629475	-0.046128745	2.511949761	CON11	GPS2	Complex V	Experiment 2
0.255000182	0.254041184	-0.142062412	0.675173133	14.18571629	PD03	DJ1	Complex I	Experiment 2
-0.888306799	-0.888628112	-1.762078968	0.0076746	2.092958141	CON11	Ser65	Complex V	Experiment 2
-0.911928082	-0.800846539	-7.191297718	5.909200802	4.323913522	MTDNA03	NDUFA13	Complex V	Experiment 2
-1.214261536	-1.217459189	-8.080563916	5.432838453	2.162956741	MTDNA03	MTCO1	Complex V	Experiment 2
-1.232781466	-1.228563238	-4.074188534	1.659303328	0.94798104	MTDNA03	ATP5B	Complex V	Experiment 2

0.272866444	0.014987619	-17.73513235	16.96184872	5.345893082	MTDNA03	Porin	Complex V	Experiment 2
0.077744112	0.344639458	-2.88599922	3.712400418	9.926801464	MTDNA03	TFAM	Complex V	Experiment 2
1.629102081	1.642480967	-11.14145224	14.81576601	2.038959221	MTDNA03	PGC1	Complex V	Experiment 2
2.874564907	0.060093631	-32.58364144	36.20328542	5.450890982	MTDNA03	LnP	Complex V	Experiment 2
0.507051084	0.507159292	0.210494759	0.804942722	0.43899122	PD07	Prohibitin	Complex IV	Experiment 1
-0.235346507	-0.237940702	-0.771721231	0.329753779	19.15561689	MTDNA03	Htra2	Complex V	Experiment 2
1.61780845	0.519819771	-17.69043593	20.74742112	3.798924022	MTDNA03	GPS2	Complex V	Experiment 2
0.266116881	0.265727301	-0.106366748	0.640224165	14.75470491	CON11	DJ1	Complex V	Experiment 2
0.11950483	0.13377535	-1.59103436	1.654278399	24.59250815	MTDNA03	Ser65	Complex V	Experiment 2
-0.968982906	-0.968091526	-1.323344246	-0.610325213	0.00199996	MTDNA02	NDUFA13	Complex V	Experiment 2
-0.537017489	-0.536945053	-0.770095361	-0.297552066	0.03199936	MTDNA02	MTCO1	Complex V	Experiment 2
-0.505797316	-0.505937217	-0.602727539	-0.407668319	0	MTDNA02	ATP5B	Complex V	Experiment 2
0.162756033	0.16330779	-0.195659124	0.527164862	28.70642587	MTDNA02	Porin	Complex V	Experiment 2
-0.62542664	-0.625430546	-0.980599212	-0.264778616	0.22799544	MTDNA02	TFAM	Complex V	Experiment 2
-0.692227397	-0.691108995	-1.079193477	-0.316599347	0.14599708	MTDNA02	PGC1	Complex V	Experiment 2
-0.299757136	-0.300080364	-0.540788664	-0.072292816	4.639907202	MTDNA02	LnP	Complex V	Experiment 2
0.533522029	0.526196444	-0.679974309	1.717074679	8.510829783	CON11	Prohibitin	Complex I	Experiment 1
-0.360706782	-0.360370213	-0.63647942	-0.096149253	2.799944001	MTDNA02	Htra2	Complex V	Experiment 2
-0.360774293	-0.36137168	-0.814709493	0.098508412	10.18879622	MTDNA02	GPS2	Complex V	Experiment 2
0.305851666	0.30572884	0.087021091	0.531823142	3.348933021	PD03	DJ1	Complex V	Experiment 2
-0.370596055	-0.371250002	-0.627424831	-0.122522681	1.851962961	MTDNA02	Ser65	Complex V	Experiment 2
-0.647730301	-0.646086312	-1.189652769	-0.095682754	1.788964221	PD01	NDUFA13	Complex V	Experiment 2
-0.711259731	-0.710018979	-1.280106189	-0.166346619	1.328973421	PD01	MTCO1	Complex V	Experiment 2
-0.52075917	-0.520069011	-0.665517975	-0.371099604	0.00199996	PD01	ATP5B	Complex V	Experiment 2
-0.266963692	-0.266090795	-0.924320556	0.381790568	17.05265895	PD01	Porin	Complex V	Experiment 2
-0.284742608	-0.28476422	-0.571748516	-0.000118589	8.869822604	PD01	TFAM	Complex V	Experiment 2
-0.409298649	-0.408576841	-0.976663555	0.155584042	9.031819364	PD01	PGC1	Complex V	Experiment 2
-0.274742075	-0.274586306	-0.624015722	0.065597682	12.25375492	PD01	LnP	Complex V	Experiment 2
0.733382193	0.738578572	-0.458239011	1.909995243	5.205895882	MTDNA03	Prohibitin	Complex I	Experiment 1

-0.540591401	-0.540449012	-0.996425689	-0.099158425	2.045959081	PD01	Htra2	Complex V	Experiment 2
-0.214696898	-0.213720907	-1.064604957	0.596581381	17.71964561	PD01	GPS2	Complex V	Experiment 2
0.341715968	0.334231163	-1.819797805	2.434242729	10.0797984	CON03	DJ1	Complex IV	Experiment 2
-0.793914075	-0.790873649	-1.482448979	-0.118876916	1.432971341	PD01	Ser65	Complex V	Experiment 2
-0.466662257	-0.467365412	-1.022053609	0.107133679	7.354852903	PD03	NDUFA13	Complex V	Experiment 2
-0.58304973	-0.582725348	-1.169783528	-0.022218636	3.729925401	PD03	MTCO1	Complex V	Experiment 2
-0.450959624	-0.450922296	-0.636249671	-0.264421467	0.03099938	PD03	ATP5B	Complex V	Experiment 2
1.507234373	1.508678586	0.838241627	2.152475357	0.00299994	PD03	Porin	Complex V	Experiment 2
0.073823605	0.074157835	-0.258644463	0.420235896	40.78918422	PD03	TFAM	Complex V	Experiment 2
0.662875082	0.662865115	0.302798228	1.023094887	0.16899662	PD03	PGC1	Complex V	Experiment 2
0.234415531	0.234718538	-0.116951128	0.592188741	19.07361853	PD03	LnP	Complex V	Experiment 2
0.737453334	0.735025833	-0.021789787	1.526649219	1.588968221	CON03	Prohibitin	Complex IV	Experiment 1
0.365665919	0.366444043	-0.104591599	0.822101785	10.20179596	PD03	Htra2	Complex V	Experiment 2
0.435829292	0.435835178	-0.08142443	0.948110781	7.632847343	PD03	GPS2	Complex V	Experiment 2
0.452806377	0.452776803	-0.241599251	1.143736467	9.043819124	MTDNA03	DJ1	Complex I	Experiment 2
-0.053233779	-0.060712615	-0.576094437	0.484399882	28.70942581	PD03	Ser65	Complex V	Experiment 2
-0.046678015	-0.047471271	-2.286868775	1.998396794	12.72474551	PD05	NDUFA13	Complex V	Experiment 2
-0.29193746	-0.28777371	-1.274052231	0.681737089	14.52770945	PD05	MTCO1	Complex V	Experiment 2
-0.499691791	-0.49239124	-1.081269967	0.121936612	2.833943321	PD05	ATP5B	Complex V	Experiment 2
1.271030218	1.263057832	-3.2796385	5.886401378	3.121937561	PD05	Porin	Complex V	Experiment 2
-0.129007669	-0.128973438	-1.559158064	1.349538001	18.06263875	PD05	TFAM	Complex V	Experiment 2
0.756602805	0.72256341	-4.14547605	5.337934153	4.769904602	PD05	PGC1	Complex V	Experiment 2
0.211659561	0.186027496	-2.118849727	2.563372302	11.33077338	PD05	LnP	Complex V	Experiment 2
0.978834632	1.087661943	-0.605449936	2.894764815	1.573968521	CON10	Prohibitin	Complex IV	Experiment 1
0.736733259	0.585847819	-3.917058457	5.070986171	5.372892542	PD05	Htra2	Complex V	Experiment 2
1.07254144	1.047258435	-2.906857853	5.212217541	3.883922322	PD05	GPS2	Complex V	Experiment 2
0.523161882	0.531068334	-2.53805167	3.42223908	6.839863203	PD05	DJ1	Complex V	Experiment 2
0.031894335	0.002093827	-1.924903363	2.055197249	13.36573269	PD05	Ser65	Complex V	Experiment 2
-1.085654765	-0.944883267	-6.28372399	3.844366619	2.704945901	PD07	NDUFA13	Complex V	Experiment 2

-0.574544649	-0.715005337	-6.5377001	4.991011889	4.638907222	PD07	MTCO1	Complex V	Experiment 2
-0.696238332	-0.707681916	-1.291427344	-0.123868285	0.60698786	PD07	ATP5B	Complex V	Experiment 2
0.761085957	0.548313317	-6.688515433	7.562977516	5.874882502	PD07	Porin	Complex V	Experiment 2
0.052234231	-0.182706611	-5.231097901	5.040198798	12.24675506	PD07	TFAM	Complex V	Experiment 2
-0.662461662	-0.606598014	-2.140742284	1.004401825	2.878942421	PD07	PGC1	Complex V	Experiment 2
-0.088501105	-0.097938993	-0.989535217	0.824566786	35.70428591	PD07	LnP	Complex V	Experiment 2
0.98888026	0.989821966	0.477818593	1.492856841	0.17799644	CON10	Prohibitin	Complex I	Experiment 1
-0.175555413	-0.177649831	-1.108845689	0.851088099	21.32957341	PD07	Htra2	Complex V	Experiment 2
0.293571095	-0.148931895	-3.644813588	2.951423818	18.96662067	PD07	GPS2	Complex V	Experiment 2
0.60656095	0.13613453	-4.290359835	5.615982036	16.31067379	PD03	DJ1	Complex IV	Experiment 2
0.005679612	-0.036949734	-5.192060345	5.52340748	10.67178656	PD07	Ser65	Complex V	Experiment 2

Supplementary Table 3: Statistical output from the Bayesian Estimation Modelling for Fig. 6c

mean	HDI%	95% HDI lower	95% HDI upper	%InROPE	casecode	target	Experiment
1.210475	95	0.871404	1.55111	0.001	PD03	ClpP	Experiment 1
-0.03388	95	-2.52902	2.389476	27.34045	PD03	DJ1	Experiment 2
0.315652	95	-0.4711	1.047823	13.25273	PD03	DRP1	Experiment 1
0.411976	95	-8.31308	8.299317	7.973841	PD03	GPS2	Experiment 2
0.808881	95	0.476645	1.123116	0.045999	PD03	HSP60	Experiment 1
0.431185	95	-7.8943	9.067214	4.786904	PD03	HTRA2	Experiment 2
1.087761	95	-6.41463	7.960885	4.091918	PD03	LonP	Experiment 2
0.428266	95	-0.21562	1.066081	8.437831	PD03	MFN2	Experiment 1
0.61926	95	0.24765	0.971759	0.450991	PD03	Parkin	Experiment 1
0.042157	95	-2.51065	2.576012	20.38459	PD03	PGC1	Experiment 2
0.590649	95	0.087575	1.098405	2.040959	PD03	PHB1	Experiment 1
0.32801	95	-0.09118	0.76605	9.957801	PD03	PINK1	Experiment 1
0.461954	95	-0.48271	1.377999	9.456811	PD03	Porin	Experiment 1
0.455123	95	-12.8823	14.51715	4.209916	PD03	Porin	Experiment 2
9.014166	95	-59.8399	75.7353	0.437991	PD03	Ser65	Experiment 2
0.459229	95	-0.18853	1.070461	7.225855	PD03	SIRT3	Experiment 1
0.350801	95	0.003538	0.708899	6.167877	PD03	TFAM	Experiment 1
0.171959	95	-0.5356	1.06786	16.67567	PD04	ClpP	Experiment 1
0.136955	95	-0.84709	1.290411	18.90062	PD04	DJ1	Experiment 2
0.413299	95	-1.19549	2.054447	9.52081	PD04	DRP1	Experiment 1
0.536256	95	-4.19827	5.168804	6.413872	PD04	GPS2	Experiment 2
0.288111	95	-0.10665	0.680324	7.892842	PD04	HSP60	Experiment 1
2.644446	95	-11.4058	16.10194	2.604948	PD04	HTRA2	Experiment 2
7.085238	95	-17.6698	24.14261	2.848943	PD04	LonP	Experiment 2

0.135166	95	-0.65265	0.898225	28.32943	PD04	MFN2	Experiment 1
0.11839	95	-0.40787	0.631124	33.91932	PD04	Parkin	Experiment 1
-10.9094	95	-86.751	70.74802	6.611868	PD04	PGC1	Experiment 2
0.292638	95	-0.87972	1.442841	14.18472	PD04	PHB1	Experiment 1
-0.14349	95	-0.80071	0.478103	27.47645	PD04	PINK1	Experiment 1
0.275268	95	-0.05329	0.608973	10.89778	PD04	Porin	Experiment 1
-0.28001	95	-7.41483	8.406404	7.720846	PD04	Porin	Experiment 2
0.720292	95	-20.4911	24.57578	2.226955	PD04	Ser65	Experiment 2
0.156723	95	-0.24215	0.549926	24.55051	PD04	SIRT3	Experiment 1
0.043181	95	-0.56502	0.708505	38.61923	PD04	TFAM	Experiment 1
1.025896	95	-0.13959	2.230064	1.786964	PD07	ClpP	Experiment 1
0.067535	95	-0.11818	0.261297	60.83778	PD07	DJ1	Experiment 2
0.17348	95	-1.09447	1.387959	15.71269	PD07	DRP1	Experiment 1
0.083246	95	-0.36547	0.550233	33.77432	PD07	GPS2	Experiment 2
0.498706	95	-0.48459	1.46381	7.404852	PD07	HSP60	Experiment 1
0.10561	95	-0.40594	0.612745	29.09142	PD07	HTRA2	Experiment 2
0.225606	95	-0.17764	0.637286	19.7656	PD07	LonP	Experiment 2
0.09217	95	-0.50296	0.724673	32.32135	PD07	MFN2	Experiment 1
0.227544	95	-0.29896	0.787216	19.12062	PD07	Parkin	Experiment 1
-0.43047	95	-0.97715	0.095379	7.137857	PD07	PGC1	Experiment 2
0.251578	95	-0.1623	0.721281	14.39271	PD07	PHB1	Experiment 1
0.11246	95	-0.75719	0.940807	22.91954	PD07	PINK1	Experiment 1
0.139267	95	-1.03441	1.257936	16.99466	PD07	Porin	Experiment 1
0.209417	95	-0.59278	0.990848	18.20864	PD07	Porin	Experiment 2
0.031221	95	-0.34285	0.398541	43.13614	PD07	Ser65	Experiment 2
0.252902	95	-0.2558	0.775521	15.91368	PD07	SIRT3	Experiment 1
0.279029	95	-0.55917	1.168885	16.06468	PD07	TFAM	Experiment 1