Supplementary data 2: List of proteins identified in the second dimension of BN-PAGE. Proteins were in gel reduced, alkylated, digested with trypsin and identified by nLC-ESI-LIT-MS/MS and database search by MASCOT algorithm. Spot numbering corresponds to that indicated in Supplementary data 1. UniProtKB accession numbers of the identified proteins are reported, together with theoretical Mr and pI values, sequence coverage (%), Mascot identification score, identified peptides, and Empai values. At least 2 significant peptides were required for protein identity assignment.

spot	protein name	UniProtKB accession _MOUSE	Theor. Mr (kDa)	Theor. pI	sequence coverage (%)	Mascot score	peptide matches	peptide sequences	Empai
1	Cytochrome c oxidase subunit 6C	COX6C	8.5	10.1	42.1	177	5	3	2.13
1	Up-regulated during skeletal muscle growth protein 5	USMG5	6.4	9.8	43.1	110	2	2	1.65
1	Cytochrome b-c1 complex subunit Rieske, mitochondrial	UCRI	29.6	8.9	14.2	85	2	2	0.26
1	Annexin A2	ANXA2	38.9	7.6	13	166	4	4	0.19
2	ATP synthase subunit e, mitochondrial	ATP5I	8.2	9.3	35.2	179	4	3	2.22
2	ATP synthase subunit f, mitochondrial	ATPK	10.4	10.0	26.1	104	3	2	1.55
2	ATP synthase subunit g, mitochondrial	ATP5L	11.4	9.7	33	164	7	2	1.36
2	Cytochrome b-c1 complex subunit 8	QCR8	9.8	10.3	28	101	2	2	0.94
3	Cytochrome b-c1 complex subunit Rieske, mitochondrial	UCRI	29.6	8.9	19.3	384	11	5	0.99
3	MICOS complex subunit Mic19	MIC19	26.5	8.6	28.2	386	7	7	0.89
3	Cytochrome c1, heme protein, mitochondrial	CY1	35.5	9.2	25.8	332	10	5	0.62
3	ATP synthase F(0) complex subunit B1, mitochondrial	AT5F1	29.0	9.1	10.5	130	3	3	0.42
3	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10	NDUBA	21.3	8.2	17	117	2	2	0.37
3	Superoxide dismutase [Mn], mitochondrial	SODM	24.8	8.8	13.1	109	2	2	0.31
3	MICOS complex subunit Mic27	MIC27	29.4	9.3	10.9	148	2	2	0.26
3	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial	NDUS3	30.3	6.7	9.1	90	2	2	0.25
3	ATP synthase subunit alpha, mitochondrial	ATPA	59.8	9.2	8	190	3	3	0.19
3	Annexin A2	ANXA2	38.9	7.6	5.6	99	2	2	0.19
3	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	5.5	134	2	2	0.15
4	MICOS complex subunit Mic27	MIC27	29.4	9.3	36.2	378	8	8	1.25
4	ATP synthase subunit gamma, mitochondrial	ATPG	33.0	9.1	24.8	379	13	9	0.86
4	Mitochondrial brown fat uncoupling protein 1	UCP1	33.6	9.3	15.3	170	6	4	0.5
4	Cytochrome c1, heme protein, mitochondrial	CY1	35.5	9.2	16.3	150	4	3	0.47
4	ATP synthase subunit alpha, mitochondrial	ATPA	59.8	9.2	13.7	325	6	6	0.41
4	Enoyl-CoA delta isomerase 1, mitochondrial	ECI1	32.5	9.1	15.2	156	3	3	0.37
4	Voltage-dependent anion-selective channel protein 1	VDAC1	32.5	8.6	11.5	183	3	3	0.37
4	Voltage-dependent anion-selective channel protein 2	VDAC2	32.3	7.4	14.2	142	3	3	0.37
4	ADP/ATP translocase 1	ADT1	33.1	9.7	16.8	213	5	5	0.36
4	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	9.1	179	4	3	0.33
4	Carbonic anhydrase 1	CAH1	28.4	6.4	9.2	92	2	2	0.27
4	Malectin	MLEC	32.5	5.7	8.6	132	2	2	0.23
4	Mitochondrial carrier homolog 2	MTCH2	34.1	8.6	12.2	86	2	2	0.22
4	Dehydrogenase/reductase SDR family member 7B	DRS7B	35.3	9.7	8.4	150	2	2	0.21
4	LETM1 domain-containing protein 1	LTMD1	42.1	10.5	8.1	127	3	3	0.18
5	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	40.6	1083	50	16	3.44
5	Cytochrome b-c1 complex subunit 1, mitochondrial	QCR1	53.4	5.8	41.3	852	33	14	1.3
5	Trifunctional enzyme subunit beta, mitochondrial	ECHB	51.6	9.4	26.1	553	11	10	0.82
5	Alpha-enolase	ENOA	47.5	6.4	19.6	331	6	6	0.54
5	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial	NDUS2	53.0	6.5	15.1	372	7	6	0.47
5	ATP synthase subunit beta, mitochondrial	ATPB	56.3	5.2	15.3	316	7	6	0.44
5	Carboxylesterase 1D	CES1D	62.0	6.2	6.9	137	4	3	0.18
5	MICOS complex subunit Mic60	MIC60	84.2	6.2	2.5	109	2	2	0.09
5	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	80.5	6.8	3.6	113	2	2	0.09
6	MICOS complex subunit Mic60	MIC60	84.2	6.2	36.1	1075	34	18	1.46
6	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	80.5	6.8	32.5	998	22	17	1.26
6	Trifunctional enzyme subunit alpha, mitochondrial	ECHA	83.3	9.2	27.8	937	24	16	1.2

6	ATP synthase subunit alpha, mitochondrial	ATPA	59.8	9.2	28.4	639	16	13	0.88
6	ATP synthase subunit beta, mitochondrial	ATPB	56.3	5.2	27.2	588	15	10	0.84
6	Aconitate hydratase, mitochondrial	ACON	86.2	8.1	25.1	789	15	15	0.62
6	Glycerol-3-phosphate dehydrogenase, mitochondrial	GPDM	81.4	6.2	12.1	357	9	7	0.4
6	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	ACADV	71.2	8.9	14.6	391	10	8	0.34
6	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	11.3	224	4	4	0.33
6	Propionyl-CoA carboxylase beta chain, mitochondrial	PCCB	59.0	7.6	9.2	193	4	4	0.26
6	Cytochrome b-c1 complex subunit 1, mitochondrial	QCR1	53.4	5.8	11	178	4	3	0.21
6	Heat shock cognate 71 kDa protein	HSP7C	71.1	5.4	6	153	3	3	0.16
6	Peroxisomal multifunctional enzyme type 2	DHB4	79.9	8.8	5.4	151	3	3	0.14
6	Acyl-CoA dehydrogenase family member 9, mitochondrial	ACAD9	69.2	7.2	4.2	88	2	2	0.1
6	Mitochondrial proton/calcium exchanger protein	LETM1	83.6	6.2	7	144	4	4	0.09
6	Fatty acid synthase	FAS	275.0	6.1	0.8	96	2	2	0.03
7	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	80.5	6.8	38.1	1129	30	20	1.46
7	MICOS complex subunit Mic60	MIC60	84.2	6.2	34.1	965	29	18	1.36
7	Trifunctional enzyme subunit alpha, mitochondrial	ECHA	83.3	9.2	24.4	757	19	13	1.02
7	ATP synthase subunit beta, mitochondrial	ATPB	56.3	5.2	21.6	438	9	8	0.63
7	Propionyl-CoA carboxylase beta chain, mitochondrial	PCCB	59.0	7.6	22.4	408	9	9	0.59
7	ATP synthase subunit alpha, mitochondrial	ATPA	59.8	9.2	16.1	373	8	7	0.58
7	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	15.5	278	6	5	0.43
7	Aconitate hydratase, mitochondrial	ACON	86.2	8.1	14.9	426	10	8	0.38
7	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	ACADV	71.2	8.9	15.4	367	8	8	0.34
7	Trifunctional enzyme subunit beta, mitochondrial	ECHB	51.6	9.4	6.5	119	3	3	0.22
7	Heat shock cognate 71 kDa protein	HSP7C	71.1	5.4	6	147	3	3	0.16
7	Glycerol-3-phosphate dehydrogenase, mitochondrial	GPDM	81.4	6.2	5.2	128	3	3	0.14
7	Cytochrome b-c1 complex subunit 1, mitochondrial	QCR1	53.4	5.8	8.3	155	3	3	0.14
7	Peroxisomal multifunctional enzyme type 2	DHB4	79.9	8.8	3	100	2	2	0.09
7	Mitochondrial proton/calcium exchanger protein	LETM1	83.6	6.2	3.3	89	2	2	0.09
7	Fatty acid synthase	FAS	275.0	6.1	2.3	215	5	5	0.05
8	MICOS complex subunit Mic27	MIC27	29.4	9.3	20.8	166	4	4	0.59
8	ATP synthase subunit beta, mitochondrial	ATPB	56.3	5.2	11.9	279	7	5	0.53
8	Malate dehydrogenase, mitochondrial	MDHM	36.0	8.9	13.9	180	4	4	0.46
8	ATP synthase subunit O, mitochondrial	ATPO	23.4	10.0	10.8	94	2	2	0.33
8	ATP synthase subunit alpha, mitochondrial	ATPA	59.8	9.2	10.5	212	5	5	0.26
8	Voltage-dependent anion-selective channel protein 1	VDAC1	32.5	8.6	8.4	104	2	2	0.23
8	Voltage-dependent anion-selective channel protein 2	VDAC2	32.3	7.4	7.5	90	2	2	0.23
8	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	6.6	106	2	2	0.15
9	Fatty acid-binding protein, adipocyte	FABP4	14.8	8.5	37.1	213	4	4	1.46
9	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	COX41	19.6	9.3	34.9	244	10	6	1.36
9	Cytochrome b-c1 complex subunit 7	QCR7	13.5	9.1	17.1	85	2	2	0.63
10	ATP synthase subunit beta, mitochondrial	ATPB	56.3	5.2	53.9	1419	82	21	4.52
10	ATP synthase subunit alpha, mitochondrial	ATPA	59.8	9.2	40.1	1234	49	20	1.98
10	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	26.3	563	12	9	1.03
10	Propionyl-CoA carboxylase beta chain, mitochondrial	PCCB	59.0	7.6	27.9	716	12	11	0.79
10	Carboxylesterase 1D	CES1D	62.0	6.2	12.4	352	9	7	0.39
10	Trifunctional enzyme subunit beta, mitochondrial	ECHB	51.6	9.4	8.8	216	5	4	0.3
10	Cytochrome b-c1 complex subunit 1, mitochondrial	QCR1	53.4	5.8	13.8	304	6	4	0.29
10	Caveolae-associated protein 1	CAVN1	43.9	5.4	8.4	143	2	2	0.17
10	Sorting and assembly machinery component 50 homolog	SAM50	52.2	6.3	6	127	2	2	0.14
10	Catalase	CATA	60.0	7.7	6.1	138	2	2	0.12
10	Acyl-CoA dehydrogenase family member 9, mitochondrial	ACAD9	69.2	7.2	3.7	121	2	2	0.1
10	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	80.5	6.8	4	121	2	2	0.09
11	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	COX41	19.6	9.3	28.4	205	7	4	0.99
11	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7	NDUB7	16.5	8.4	18.2	84	2	2	0.5
11	ATP synthase subunit alpha, mitochondrial	ATPA	59.8	9.2	8	187	4	3	0.26
12	Cytochrome c oxidase subunit 2	COX2	26.1	4.6	24.7	193	7	4	1.48
12	ATP synthase F(0) complex subunit B1, mitochondrial	AT5F1	29.0	9.1	27.3	240	5	5	0.42
13	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	NDUS1	80.8	5.5	61.1	1982	74	33	3.27

13	Trifunctional enzyme subunit alpha, mitochondrial	ECHA	83.3	9.2	28.3	933	21	17	1.02
13	MICOS complex subunit Mic60	MIC60	84.2	6.2	33.6	1089	23	19	0.92
13	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial	NDUS2	53.0	6.5	20.3	352	9	7	0.57
13	Aconitate hydratase, mitochondrial	ACON	86.2	8.1	19.2	662	14	12	0.49
13	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	NDUV1	51.5	8.5	20.9	364	7	7	0.39
13	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial	NDUV2	27.6	7.0	8.9	94	2	2	0.28
13	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial	NDUS3	30.3	6.7	9.1	123	2	2	0.25
13	Propionyl-CoA carboxylase alpha chain, mitochondrial	PCCA	80.5	6.8	7.7	245	7	4	0.19
13	ATP synthase subunit alpha, mitochondrial	ATPA	59.8	9.2	9.9	254	4	4	0.19
13	Annexin A2	ANXA2	38.9	7.6	5.6	107	2	2	0.19
13	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	ACADV	71.2	8.9	9.9	240	6	6	0.16
13	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	5.5	95	2	2	0.15
13	Glycerol-3-phosphate dehydrogenase, mitochondrial	GPDM	81.4	6.2	5.2	134	3	3	0.14
13	Trifunctional enzyme subunit beta, mitochondrial	ECHB	51.6	9.4	4.2	83	2	2	0.14
13	ATP synthase subunit beta, mitochondrial	ATPB	56.3	5.2	8.7	131	3	3	0.13
13	Carnitine O-palmitoyltransferase 1, muscle isoform	CPT1B	89.1	8.7	3	80	2	2	0.08
13	Fatty acid synthase	FAS	275.0	6.1	2.1	182	5	5	0.03
14	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	NDUS1	80.8	5.5	36.3	1010	23	18	1.35
14	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial	NDUS7	25.0	9.9	10.3	129	3	2	0.5
14	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	NDUV1	51.5	8.5	30.8	579	11	11	0.49
14	Carboxylesterase 1D	CES1D	62.0	6.2	11.9	382	9	7	0.47
14	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial	NDUS2	53.0	6.5	16.8	325	7	6	0.47
14	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 9	NDUB9	22.3	7.7	15.1	103	2	2	0.35
14	ATP synthase subunit alpha, mitochondrial	ATPA	59.8	9.2	11.9	320	5	5	0.33
14	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitoch	NDUAA	40.9	7.6	10.4	143	3	3	0.29
14	Acyl-CoA dehydrogenase family member 9, mitochondrial	ACAD9	69.2	7.2	5.3	153	5	3	0.28
14	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochor	NDUA9	42.6	9.8	16.2	183	4	4	0.27
14	Catalase	CATA	60.0	7.7	10.8	249	5	5	0.26
14	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	6	97	3	2	0.24
14	MICOS complex subunit Mic60	MIC60	84.2	6.2	10.2	303	7	6	0.23
14	Trifunctional enzyme subunit beta, mitochondrial	ECHB	51.6	9.4	9.1	196	4	4	0.22
14	NADH-ubiquinone oxidoreductase chain 5	NU5M	68.8	9.2	5.3	111	3	2	0.16
14	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2	RPN2	69.1	5.5	5.2	147	3	3	0.16
14	Cytochrome b-c1 complex subunit 1, mitochondrial	QCR1	53.4	5.8	4.6	113	2	2	0.14
14	ATP synthase subunit beta, mitochondrial	ATPB	56.3	5.2	4.7	104	2	2	0.13
14	Propionyl-CoA carboxylase beta chain, mitochondrial	PCCB	59.0	7.6	7.2	127	3	3	0.12
14	Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial	AL4A1	62.3	8.5	4.3	121	2	2	0.12
14	Apoptosis-inducing factor 1, mitochondrial	AIFM1	67.0	9.2	3.1	98	2	2	0.11
14	Fatty acid synthase	FAS	275.0	6.1	0.9	101	2	2	0.03
15	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial	NDUS2	53.0	6.5	37.8	706	25	13	1.82
15	Histone H4	H4	11.4	11.4	60.2	256	7	6	1.38
15	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	NDUV1	51.5	8.5	40.9	649	19	14	1.22
15	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	21.4	425	9	7	0.76
15	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10	NDUBA	21.3	8.2	23.9	162	3	3	0.61
15	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	NDUS1	80.8	5.5	20.8	631	11	10	0.47
15	Trifunctional enzyme subunit beta, mitochondrial	ECHB	51.6	9.4	11.8	231	6	5	0.3
15	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochor	NDUA9	42.6	9.8	19.4	260	6	5	0.27
15	Prohibitin	PHB	29.9	5.6	7.4	108	2	2	0.26
15	Alpha-enolase	ENOA	47.5	6.4	15	284	4	4	0.24
15	Cytochrome b-c1 complex subunit 1, mitochondrial	QCR1	53.4	5.8	12.9	228	6	5	0.21
15	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitoch	NDUAA	40.9	7.6	10.1	166	3	3	0.18
15	Actin, cytoplasmic 1	ACTB	42.1	5.3	6.9	85	2	2	0.18
15	NADH-ubiquinone oxidoreductase chain 5	NU5M	68.8	9.2	7.4	159	3	3	0.16
15	Tubulin alpha-1A chain	TBA1A	50.8	4.9	9.5	143	3	3	0.14
15	ATP synthase subunit alpha, mitochondrial	ATPA	59.8	9.2	7.8	176	3	3	0.12
16	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial	NDUS7	25.0	9.9	14.3	167	4	3	0.72
16	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitoch	NDUAA	40.9	7.6	16.3	259	7	5	0.65
16	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 5	NDUA5	13.4	7.8	14.7	106	3	3	0.64

16	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	NDUS1	80.8	5.5	17.5	450	11	10	0.41
16	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochor	NDUA9	42.6	9.8	8.8	147	3	3	0.27
16	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	NDUV1	51.5	8.5	9.7	211	3	3	0.22
16	NADH-ubiquinone oxidoreductase chain 5	NU5M	68.8	9.2	7.4	169	4	3	0.16
16	Trifunctional enzyme subunit beta, mitochondrial	ECHB	51.6	9.4	4.6	83	2	2	0.14
16	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial	NDUS2	53.0	6.5	5	89	2	2	0.14
17	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochor	NDUA9	42.6	9.8	46.9	716	20	13	1.62
17	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial	NDUS7	25.0	9.9	10.7	115	4	2	0.72
17	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitochc	NDUAA	40.9	7.6	23.4	346	9	7	0.65
17	Prohibitin-2	PHB2	33.3	9.8	12.4	134	4	3	0.36
17	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial	NDUS3	30.3	6.7	14.8	123	3	3	0.25
17	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	NDUS1	80.8	5.5	10.6	277	6	6	0.19
17	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	5.5	107	2	2	0.15
18	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10	NDUBA	21.3	8.2	23.9	162	3	3	0.61
18	Fatty acid-binding protein, adipocyte	FABP4	14.8	8.5	18.9	143	2	2	0.57
18	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7	NDUB7	16.5	8.4	35	124	3	3	0.5
18	Prohibitin	PHB	29.9	5.6	15.1	169	3	3	0.41
18	NADH dehydrogenase [ubiquinone] iron-sulfur protein 8, mitochondrial	NDUS8	24.5	5.9	13.7	125	2	2	0.32
18	MICOS complex subunit Mic19	MIC19	26.5	8.6	11.5	112	2	2	0.29
18	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial	NDUV2	27.6	7.0	12.1	134	2	2	0.28
18	MICOS complex subunit Mic27	MIC27	29.4	9.3	9.1	84	2	2	0.26
18	Prohibitin-2	PHB2	33.3	9.8	7.7	134	2	2	0.23
18	Mitochondrial brown fat uncoupling protein 1	UCP1	33.6	9.3	7.8	110	2	2	0.22
18	Cytochrome c1, heme protein, mitochondrial	CY1	35.5	9.2	8.9	94	2	2	0.21
18	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	NDUS1	80.8	5.5	9.8	290	5	5	0.19
18	NADH-ubiquinone oxidoreductase chain 4	NU4M	52.0	9.4	3.9	78	2	2	0.14
18	Plakophilin-1	PKP1	82.3	9.2	3.6	101	2	2	0.09
19	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial	NDUS7	25.0	9.9	14.3	164	5	3	0.97
19	MICOS complex subunit Mic19	MIC19	26.5	8.6	28.6	306	7	6	0.89
19	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial	NDUS3	30.3	6.7	25.1	261	8	5	0.57
19	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10	NDUBA	21.3	8.2	17.6	93	2	2	0.37
20	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial	NDUV2	27.6	7.0	49.6	464	17	9	2.85
20	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10	NDUBA	21.3	8.2	23.9	201	4	3	0.88
20	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial	NDUS7	25.0	9.9	10.3	177	5	2	0.72
20	Cytochrome c oxidase subunit 2	COX2	26.1	4.6	11.5	105	5	2	0.68
20	NADH-ubiquinone oxidoreductase chain 1	NU1M	36.1	6.4	11	163	3	3	0.33
20	MICOS complex subunit Mic19	MIC19	26.5	8.6	10.6	96	2	2	0.29
20	Cytochrome b-c1 complex subunit Rieske, mitochondrial	UCRI	29.6	8.9	15.7	130	3	3	0.12
21	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial	NDUS7	25.0	9.9	14.7	241	12	4	1.25
21	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 8, mitochon	NDUB8	21.9	6.2	34.9	188	7	4	1.16
21	NADH dehydrogenase [ubiquinone] iron-sulfur protein 4, mitochondrial	NDUS4	19.8	10.0	31.4	219	8	5	0.97
21	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 8	NDUA8	20.4	8.8	23.8	175	5	4	0.93
21	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 12	NDUAC	17.1	9.4	29	144	3	3	0.8
21	NADH dehydrogenase [ubiquinone] iron-sulfur protein 8, mitochondrial	NDUS8	24.5	5.9	17	146	4	3	0.51
22	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13	NDUAD	16.8	9.5	34	294	11	6	2.28
22	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11, mitochor	NDUBB	17.5	5.1	38.4	198	8	4	1.59
22	Fatty acid-binding protein, adipocyte	FABP4	14.8	8.5	39.4	259	6	4	1.46
22	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 6	NDUA6	15.3	10.1	26.7	206	9	3	1.38
22	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	NDUA2	11.0	10.0	23.2	136	2	2	0.81
22	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7	NDUA7	12.6	10.2	30.1	122	3	3	0.68
22	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4	NDUB4	15.1	9.9	37.2	108	4	3	0.55
22	Fatty acid-binding protein, heart	FABPH	14.8	6.1	16.5	77	3	2	0.25
22	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 6	NDUB6	15.5	9.8	19.5	88	3	2	0.24
23	Cytochrome c oxidase subunit 5A, mitochondrial	COX5A	16.3	6.1	16.4	115	3	2	0.85
23	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13	NDUAD	16.8	9.5	31.9	177	4	4	0.81
23	NADH dehydrogenase [ubiquinone] iron-sulfur protein 6, mitochondrial	NDUS6	13.2	8.9	32.8	115	3	3	0.65
23	Fatty acid-binding protein, adipocyte	FABP4	14.8	8.5	20.5	99	2	2	0.57
24	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2	NDUA2	11.0	10.0	24.2	177	4	3	1.44

25	Histone H4	H4	11.4	11.4	40.8	184	5	4	2.18
25	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	NDUS1	80.8	5.5	43.3	1470	32	23	1.91
25	MICOS complex subunit Mic60	MIC60	84.2	6.2	16.2	556	10	9	0.45
25	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	18.1	297	7	6	0.33
25	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	NDUV1	51.5	8.5	17.5	346	7	7	0.31
25	Prohibitin	PHB	29.9	5.6	9.9	114	2	2	0.26
25	Trifunctional enzyme subunit alpha, mitochondrial	ECHA	83.3	9.2	7.7	232	5	4	0.18
25	Cytochrome b-c1 complex subunit 1, mitochondrial	QCR1	53.4	5.8	9.6	122	3	3	0.14
25	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial	NDUS2	53.0	6.5	4.3	82	2	2	0.14
25	Tubulin alpha-1A chain	TBA1A	50.8	4.9	7.3	86	2	2	0.14
25	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	ACADV	71.2	8.9	5.2	141	2	2	0.1
26	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	37.3	942	34	16	3.76
26	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	NDUV1	51.5	8.5	19.2	403	10	9	0.7
26	Cytochrome b-c1 complex subunit 1, mitochondrial	QCR1	53.4	5.8	21.9	355	13	8	0.67
26	NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, mitochondrial	NDUS2	53.0	6.5	19.2	395	11	7	0.57
26	Prohibitin	PHB	29.9	5.6	12.1	169	4	3	0.41
26	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	NDUS1	80.8	5.5	12.7	376	8	8	0.24
26	Prohibitin-2	PHB2	33.3	9.8	7.7	82	2	2	0.23
26	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitoch	NDUAA	40.9	7.6	9.9	132	3	3	0.18
26	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochor	NDUA9	42.6	9.8	5.3	79	2	2	0.17
26	Trifunctional enzyme subunit beta, mitochondrial	ECHB	51.6	9.4	8.4	176	4	4	0.14
27	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	21.4	345	9	7	0.76
27	Prohibitin	PHB	29.9	5.6	16.2	207	4	4	0.58
27	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitoch	NDUAA	40.9	7.6	15.2	220	6	5	0.4
27	Prohibitin-2	PHB2	33.3	9.8	10.4	165	3	3	0.36
27	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial	NDUS3	30.3	6.7	9.1	104	2	2	0.25
27	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	NDUS1	80.8	5.5	8.3	282	5	5	0.24
27	Trifunctional enzyme subunit beta, mitochondrial	ECHB	51.6	9.4	6.7	146	3	3	0.14
27	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial	NDUV1	51.5	8.5	5	86	2	2	0.14
27	Cytochrome b-c1 complex subunit 1, mitochondrial	QCR1	53.4	5.8	4.6	116	2	2	0.14
27	NADH-ubiquinone oxidoreductase chain 5	NU5M	68.8	9.2	5.3	110	3	2	0.11
28	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochor	NDUA9	42.6	9.8	15.4	296	7	5	0.62
28	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	14.8	307	7	5	0.53
28	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 10, mitoch	NDUAA	40.9	7.6	20.8	275	6	6	0.52
28	Prohibitin-2	PHB2	33.3	9.8	21.1	302	6	6	0.5
28	Prohibitin	PHB	29.9	5.6	18.8	187	4	4	0.41
28	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10	NDUBA	21.3	8.2	13.1	91	2	2	0.37
28	Cytochrome c1, heme protein, mitochondrial	CY1	35.5	9.2	9.8	81	2	2	0.21
28	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	NDUS1	80.8	5.5	5.9	191	3	3	0.14
29	Prohibitin-2	PHB2	33.3	9.8	44.5	606	25	12	2.41
29	Prohibitin	PHB	29.9	5.6	27.9	339	7	6	0.98
29	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochor	NDUA9	42.6	9.8	16.4	201	6	5	0.38
29	Voltage-dependent anion-selective channel protein 1	VDAC1	32.5	8.6	7.8	98	2	2	0.23
29	Cytochrome c1, heme protein, mitochondrial	CY1	35.5	9.2	12.3	82	2	2	0.21
30	Prohibitin	PHB	29.9	5.6	34.2	451	8	7	1.22
30	Cytochrome c1, heme protein, mitochondrial	CY1	35.5	9.2	24.9	259	6	5	0.78
30	Prohibitin-2	PHB2	33.3	9.8	17.7	307	6	5	0.67
30	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial	NDUS7	25.0	9.9	10.3	138	3	2	0.5
30	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial	NDUS3	30.3	6.7	14.8	152	3	3	0.4
30	MICOS complex subunit Mic19	MIC19	26.5	8.6	14.1	164	3	3	0.29
30	Mitochondrial brown fat uncoupling protein 1	UCP1	33.6	9.3	12.4	127	3	3	0.22
30	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	9.1	147	3	3	0.15
30	NADH-ubiquinone oxidoreductase 75 kDa subunit, mitochondrial	NDUS1	80.8	5.5	5.4	82	2	2	0.09
31	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial	NDUS3	30.3	6.7	19	253	6	4	0.57
31	Cytochrome b-c1 complex subunit Rieske, mitochondrial	UCRI	29.6	8.9	12.8	114	3	2	0.41
31	MICOS complex subunit Mic19	MIC19	26.5	8.6	11.5	123	2	2	0.29
31	Prohibitin	PHB	29.9	5.6	7.7	112	2	2	0.26
31	Prohibitin-2	PHB2	33.3	9.8	7	122	2	2	0.23

32	Cytochrome c oxidase subunit 2	COX2	26.1	4.6	14.5	179	4	3	0.68
32	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial	NDUV2	27.6	7.0	27	204	4	4	0.63
32	NADH-ubiquinone oxidoreductase chain 1	NU1M	36.1	6.4	5	95	2	2	0.21
33	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial	NDUS7	25.0	9.9	10.7	150	4	3	0.31
34	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 13	NDUAD	16.8	9.5	52.1	416	18	9	12.07
34	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 6	NDUA6	15.3	10.1	47.3	358	9	6	3.57
34	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 11, mitochon	NDUBB	17.5	5.1	42.4	295	14	5	2.79
34	Fatty acid-binding protein, adipocyte	FABP4	14.8	8.5	40.2	235	6	4	2.08
34	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 4	NDUB4	15.1	9.9	41.1	229	6	5	2
34	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	COX41	19.6	9.3	26	249	6	5	1.36
34	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 7	NDUA7	12.6	10.2	31	147	4	3	1.18
34	NADH dehydrogenase [ubiquinone] iron-sulfur protein 5	NDUS5	12.9	9.1	42.5	210	4	4	1.16
34	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 6	NDUB6	15.5	9.8	21.9	106	6	2	0.9
34	Cytochrome b-c1 complex subunit 7	QCR7	13.5	9.1	25.2	113	3	3	0.63
34	NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 7	NDUB7	16.5	8.4	32.8	128	3	3	0.5
34	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial	NDUS3	30.3	6.7	9.1	117	2	2	0.25
35	Cytochrome c oxidase subunit 7A1, mitochondrial	CX7A1	9.1	9.8	28.8	78	3	2	1.03
36	Cytochrome c oxidase subunit 6C	COX6C	8.5	10.1	43.4	209	7	4	5.7
36	Cytochrome b-c1 complex subunit 9	QCR9	7.4	9.2	37.5	126	3	2	1.35
36	Cytochrome c oxidase subunit 7A1, mitochondrial	CX7A1	9.1	9.8	28.8	92	2	2	1.03
36	Cytochrome b-c1 complex subunit Rieske, mitochondrial	UCRI	29.6	8.9	14.2	122	2	2	0.26
37	Cytochrome b-c1 complex subunit 8	QCR8	9.8	10.3	29.3	197	8	4	2.77
38	Cytochrome b-c1 complex subunit 7	QCR7	13.5	9.1	46.8	387	28	9	2.39
38	Cytochrome c oxidase subunit 5A, mitochondrial	COX5A	16.3	6.1	23.3	229	6	5	1.26
38	Fatty acid-binding protein, adipocyte	FABP4	14.8	8.5	20.5	104	2	2	0.57
38	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	11.5	181	3	3	0.24
39	Cytochrome b-c1 complex subunit 7	QCR7	13.5	9.1	45.9	314	12	6	2.39
39	Fatty acid-binding protein, adipocyte	FABP4	14.8	8.5	42.4	330	11	5	2.08
39	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	COX41	19.6	9.3	41.4	379	20	7	1.8
40	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	COX41	19.6	9.3	37.3	293	7	6	1.36
40	Peptidyl-prolyl cis-trans isomerase A	PPIA	18.1	7.7	22	132	3	3	0.74
40	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	13.7	195	4	4	0.33
41	Cytochrome c oxidase subunit 2	COX2	26.1	4.6	27.8	273	21	5	1.82
41	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	COX41	19.6	9.3	36.1	277	7	5	1.8
41	Fatty acid-binding protein, adipocyte	FABP4	14.8	8.5	20.5	118	2	2	0.57
41	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	19.2	325	11	6	0.43
41	ATP synthase F(0) complex subunit B1, mitochondrial	AT5F1	29.0	9.1	10.2	126	4	3	0.42
41	Superoxide dismutase [Mn], mitochondrial	SODM	24.8	8.8	13.1	104	3	2	0.31
41	Cytochrome b-c1 complex subunit Rieske, mitochondrial	UCRI	29.6	8.9	16.1	136	3	3	0.26
41	Cytochrome b-c1 complex subunit 1, mitochondrial	QCR1	53.4	5.8	4.6	76	3	2	0.07
42	Cytochrome b-c1 complex subunit Rieske, mitochondrial	UCRI	29.6	8.9	36.5	563	27	10	1.8
42	Cytochrome c1, heme protein, mitochondrial	CY1	35.5	9.2	43.1	517	18	9	1.61
42	Cytochrome c oxidase subunit 2	COX2	26.1	4.6	20.3	178	8	3	0.91
42	Cytochrome c oxidase subunit 5A, mitochondrial	COX5A	16.3	6.1	16.4	146	3	2	0.85
42	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	8.8	163	3	3	0.24
42	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial	SDHB	32.6	9.0	7.1	94	2	2	0.23
42	Triosephosphate isomerase	TPIS	32.7	5.6	7.7	74	2	2	0.23
43	Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial	ECH1	36.4	7.6	19.9	323	9	5	1.12
43	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	26	571	12	8	1.03
43	Cytochrome c1, heme protein, mitochondrial	CY1	35.5	9.2	28	307	12	6	0.96
43	Electron transfer flavoprotein subunit alpha, mitochondrial	ETFA	35.3	8.6	24	286	6	6	0.78
43	Malate dehydrogenase, mitochondrial	MDHM	36.0	8.9	21	277	7	6	0.6
43	Voltage-dependent anion-selective channel protein 1	VDAC1	32.5	8.6	19.3	286	5	5	0.52
43	Cytochrome c oxidase subunit 2	COX2	26.1	4.6	11.5	88	3	2	0.48
43	Voltage-dependent anion-selective channel protein 3	VDAC3	31.1	9.0	12.4	132	3	3	0.39
43	L-lactate dehydrogenase A chain	LDHA	36.8	7.6	10.8	140	4	3	0.32
43	Voltage-dependent anion-selective channel protein 2	VDAC2	32.3	7.4	12.9	178	4	4	0.23
43	Cytochrome b-c1 complex subunit 1, mitochondrial	QCR1	53.4	5.8	13.1	260	5	5	0.21

44	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	44.2	1112	31	18	3.13
44	Cytochrome b-c1 complex subunit 1, mitochondrial	QCR1	53.4	5.8	42.3	777	22	14	1.46
44	Trifunctional enzyme subunit beta, mitochondrial	ECHB	51.6	9.4	9.1	215	4	4	0.3
45	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	27.6	530	11	10	1.03
45	Carboxylesterase 1D	CES1D	62.0	6.2	27.1	378	11	9	0.56
45	Cytochrome b-c1 complex subunit 1, mitochondrial	QCR1	53.4	5.8	21.5	361	13	7	0.47
45	Cytochrome c1, heme protein, mitochondrial	CY1	35.5	9.2	16	179	4	3	0.47
45	Catalase	CATA	60.0	7.7	13.7	242	6	5	0.26
45	ATP synthase subunit alpha, mitochondrial	ATPA	59.8	9.2	8.9	184	4	4	0.19
45	UTP--glucose-1-phosphate uridylyltransferase	UGPA	57.1	7.2	6.9	148	2	2	0.13
45	Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial	AL4A1	62.3	8.5	4.1	82	2	2	0.12
46	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	34.9	750	20	12	1.9
46	ATP synthase subunit beta, mitochondrial	ATPB	56.3	5.2	35.2	764	23	13	1.65
46	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	ACADV	71.2	8.9	37.5	991	30	19	1.27
46	ATP synthase subunit alpha, mitochondrial	ATPA	59.8	9.2	21.9	633	10	9	0.78
46	Catalase	CATA	60.0	7.7	21.4	459	10	9	0.41
46	Cytochrome b-c1 complex subunit 1, mitochondrial	QCR1	53.4	5.8	19.2	330	8	6	0.38
46	Apoptosis-inducing factor 1, mitochondrial	AIFM1	67.0	9.2	12.4	286	9	6	0.36
46	Carboxylesterase 1D	CES1D	62.0	6.2	11.9	288	7	6	0.32
46	Acyl-CoA dehydrogenase family member 9, mitochondrial	ACAD9	69.2	7.2	8.6	256	5	5	0.28
46	Trifunctional enzyme subunit beta, mitochondrial	ECHB	51.6	9.4	6.9	164	3	3	0.22
46	MICOS complex subunit Mic60	MIC60	84.2	6.2	6.9	232	4	4	0.13
46	60 kDa heat shock protein, mitochondrial	CH60	61.1	5.9	5.9	86	2	2	0.12
46	Pyruvate kinase PKM	KPYM	58.4	7.2	3.8	101	2	2	0.12
46	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1	RPN1	68.7	6.0	3.9	108	2	2	0.11
46	Carnitine O-palmitoyltransferase 2, mitochondrial	CPT2	74.5	8.6	5.2	149	4	4	0.1
46	Electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial	ETFD	68.9	7.3	3.7	104	2	2	0.1
46	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	SDHA	73.6	7.1	3.3	120	2	2	0.1
46	ATP-binding cassette sub-family B member 8, mitochondrial	ABCB8	78.7	9.3	4.7	124	3	3	0.09
46	Serotransferrin	TRFE	78.8	6.9	4.3	162	3	3	0.09
46	Trifunctional enzyme subunit alpha, mitochondrial	ECHA	83.3	9.2	3.5	138	2	2	0.09
47	Cytochrome b-c1 complex subunit 2, mitochondrial	QCR2	48.3	9.3	34.9	616	21	12	1.51
47	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	ACADV	71.2	8.9	22	552	13	10	0.7
47	Trifunctional enzyme subunit alpha, mitochondrial	ECHA	83.3	9.2	21	624	18	12	0.58
47	Cytochrome b-c1 complex subunit 1, mitochondrial	QCR1	53.4	5.8	18.1	310	6	5	0.47
47	Glycerol-3-phosphate dehydrogenase, mitochondrial	GPDM	81.4	6.2	17.5	393	10	9	0.4
47	Platelet glycoprotein 4	CD36	53.2	8.6	14	226	5	5	0.29
47	Mitochondrial brown fat uncoupling protein 1	UCP1	33.6	9.3	8.8	107	2	2	0.22
47	Mitochondrial proton/calcium exchanger protein	LETM1	83.6	6.2	6.5	151	5	3	0.18
47	Peroxisomal multifunctional enzyme type 2	DHB4	79.9	8.8	6	180	4	4	0.14
47	Stress-70 protein, mitochondrial	GRP75	73.7	5.8	4	98	2	2	0.1
48	Cytochrome c oxidase subunit 6C	COX6C	8.5	10.1	43.4	246	16	5	8.8
48	Cytochrome c oxidase subunit 7A2, mitochondrial	CX7A2	9.3	10.3	27.7	141	5	2	1.83
48	Cytochrome c oxidase subunit NDUFA4	NDUA4	9.3	9.5	36.6	138	3	3	1.83
48	Cytochrome c oxidase subunit 7A1, mitochondrial	CX7A1	9.1	9.8	28.8	119	3	2	1.03
48	Succinate dehydrogenase [ubiquinone] cytochrome b small subunit, mitochc	DHSD	17.3	9.3	11.3	133	4	3	0.78
48	Transmembrane protein 14C	TM14C	11.6	9.7	24.6	108	2	2	0.76
49	Cytochrome c oxidase subunit NDUFA4	NDUA4	9.3	9.5	36.6	151	4	3	1.83
50	Cytochrome c oxidase subunit 5A, mitochondrial	COX5A	16.3	6.1	28.1	172	3	3	0.85
51	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	COX41	19.6	9.3	40.2	298	20	6	1.8
51	Cytochrome c oxidase subunit 5B, mitochondrial	COX5B	14.1	8.7	33.6	133	9	3	1.02
51	Hemoglobin subunit beta-1	HBB1	15.9	7.1	23.8	158	3	3	0.87
51	Cytochrome c oxidase subunit 5A, mitochondrial	COX5A	16.3	6.1	17.1	165	3	3	0.85
51	Cytochrome c oxidase subunit 2	COX2	26.1	4.6	11.5	109	3	2	0.48
52	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	COX41	19.6	9.3	47.3	403	20	9	2.95
52	Cytochrome c oxidase subunit 5A, mitochondrial	COX5A	16.3	6.1	17.1	176	4	3	1.26
52	Hemoglobin subunit alpha	HBA	15.1	8.0	14.8	100	2	2	0.55
52	Cytochrome c oxidase subunit 2	COX2	26.1	4.6	15.9	162	5	3	0.48

53	Cytochrome c oxidase subunit 2	COX2	26.1	4.6	27.8	320	18	5	1.82
53	Cytochrome c oxidase subunit NDUFA4	NDUA4	9.3	9.5	26.8	121	2	2	1
53	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	COX41	19.6	9.3	43.2	273	7	6	0.67
53	39S ribosomal protein L12, mitochondrial	RM12	21.8	9.3	18.4	194	4	4	0.59
53	Cytochrome c oxidase subunit 5A, mitochondrial	COX5A	16.3	6.1	21.2	113	2	2	0.5
53	Aquaporin-1	AQP1	29.0	7.0	5.9	86	2	2	0.26
54	Electron transfer flavoprotein subunit beta	ETFB	27.8	8.2	43.1	519	13	10	2.38
54	Cytochrome c oxidase subunit 2	COX2	26.1	4.6	24.7	240	9	4	1.48
54	Enoyl-CoA delta isomerase 1, mitochondrial	ECI1	32.5	9.1	41.2	532	9	9	1.31
54	ADP/ATP translocase 1	ADT1	33.1	9.7	26.2	390	8	8	1.05
54	Cytochrome c oxidase subunit 5B, mitochondrial	COX5B	14.1	8.7	14.8	80	5	2	1.02
54	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	COX41	19.6	9.3	17.8	160	4	3	0.99
54	Cytochrome c oxidase subunit 6B1	CX6B1	10.3	9.0	38.4	133	3	3	0.88
54	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial	SDHB	32.6	9.0	14.9	213	7	4	0.87
54	ADP/ATP translocase 2	ADT2	33.1	9.7	23.5	292	7	7	0.85
54	Mitochondrial brown fat uncoupling protein 1	UCP1	33.6	9.3	30.6	381	8	7	0.84
54	Enoyl-CoA hydratase, mitochondrial	ECHM	31.9	8.8	15.2	178	5	3	0.53
54	Estradiol 17-beta-dehydrogenase 8	DHB8	26.8	6.1	14.3	160	3	3	0.46
54	B-cell receptor-associated protein 31	BAP31	28.0	8.7	17.1	155	4	4	0.44
54	NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial	NDUS3	30.3	6.7	14.1	182	3	3	0.4
54	Mitochondrial carnitine/acylcarnitine carrier protein	MCAT	33.3	9.2	13.3	128	3	3	0.36
54	Mitochondrial 2-oxoglutarate/malate carrier protein	M2OM	34.3	10.0	9.6	155	3	3	0.35
54	Very-long-chain enoyl-CoA reductase	TECR	36.5	9.6	9.1	118	3	3	0.32
54	Mitochondrial import inner membrane translocase subunit Tim29	TIM29	29.7	6.3	12	137	3	3	0.26
54	Dehydrogenase/reductase SDR family member 4	DHRS4	30.1	9.5	9.7	135	2	2	0.25
54	Triosephosphate isomerase	TPIS	32.7	5.6	9	112	2	2	0.23
54	Monoglyceride lipase	MGLL	33.7	6.7	10.6	150	3	3	0.22
54	Tricarboxylate transport protein, mitochondrial	TXTP	34.3	9.9	11.3	119	3	3	0.22
54	Methylglutaconyl-CoA hydratase, mitochondrial	AUHM	33.7	9.6	7.3	90	2	2	0.22
54	Dehydrogenase/reductase SDR family member 7B	DRS7B	35.3	9.7	9	166	2	2	0.21
54	Phosphate carrier protein, mitochondrial	MPCP	40.1	9.4	10.1	134	3	3	0.19
54	Cathepsin D	CATD	45.4	6.7	10	137	3	3	0.16
54	Trifunctional enzyme subunit beta, mitochondrial	ECHB	51.6	9.4	4.4	95	2	2	0.14
55	Electron transfer flavoprotein subunit alpha, mitochondrial	ETFA	35.3	8.6	57.4	893	19	14	3.25
55	Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial	ECH1	36.4	7.6	33	613	14	9	2.08
55	Cytochrome c oxidase subunit 2	COX2	26.1	4.6	23.3	219	9	4	1.48
55	Malate dehydrogenase, mitochondrial	MDHM	36.0	8.9	35.8	546	11	10	1.34
55	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	COX41	19.6	9.3	36.7	270	5	5	0.99
55	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial	ODPB	39.3	6.4	25.6	371	12	7	0.84
55	Voltage-dependent anion-selective channel protein 1	VDAC1	32.5	8.6	28	400	9	7	0.69
55	3-hydroxyisobutyrate dehydrogenase, mitochondrial	3HIDH	35.8	8.4	20.3	244	6	5	0.61
55	Enoyl-CoA delta isomerase 1, mitochondrial	ECI1	32.5	9.1	12.5	171	4	3	0.52
55	Required for meiotic nuclear division protein 1 homolog	RMND1	52.3	8.1	12.9	306	8	5	0.48
55	Voltage-dependent anion-selective channel protein 2	VDAC2	32.3	7.4	21.4	254	4	4	0.37
55	ADP/ATP translocase 1	ADT1	33.1	9.7	10.7	139	3	3	0.36
55	Mitochondrial brown fat uncoupling protein 1	UCP1	33.6	9.3	13.7	180	4	4	0.35
55	Monoglyceride lipase	MGLL	33.7	6.7	11.6	126	3	3	0.35
55	L-lactate dehydrogenase A chain	LDHA	36.8	7.6	10.8	155	4	3	0.32
55	Succinate--CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial	SUCA	36.5	9.5	15.9	177	3	3	0.32
55	Citrate lyase subunit beta-like protein, mitochondrial	CLYBL	37.9	8.8	18.9	213	7	5	0.31
55	Trifunctional enzyme subunit beta, mitochondrial	ECHB	51.6	9.4	8.4	252	4	4	0.3
55	LETM1 domain-containing protein 1	LTMD1	42.1	10.5	15	174	4	4	0.28
55	Aquaporin-1	AQP1	29.0	7.0	10	144	3	2	0.26
55	Voltage-dependent anion-selective channel protein 3	VDAC3	31.1	9.0	12	157	4	3	0.24
55	Citrate synthase, mitochondrial	CISY	52.0	8.7	7.8	141	3	3	0.22
55	NADH-cytochrome b5 reductase 3	NB5R3	34.3	8.6	8	98	2	2	0.22
55	Glyceraldehyde-3-phosphate dehydrogenase	G3P	36.1	8.4	9.3	105	2	2	0.21
55	Mitochondrial glutamate carrier 1	GHC1	35.1	9.3	8.7	104	2	2	0.21

55	Glycerol-3-phosphate dehydrogenase [NAD(+)], cytoplasmic	GPDA	38.2	6.8	10.3	102	3	3	0.2
55	L-lactate dehydrogenase B chain	LDHB	36.8	5.7	8.1	80	2	2	0.2
55	Annexin A2	ANXA2	38.9	7.6	11.5	121	3	3	0.19
55	Trifunctional enzyme subunit alpha, mitochondrial	ECHA	83.3	9.2	7.1	226	5	4	0.18
55	Enoyl-[acyl-carrier-protein] reductase, mitochondrial	MECR	40.5	9.2	8.8	124	2	2	0.18
55	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial	SDHA	73.6	7.1	7.5	160	4	4	0.15
55	Mitochondrial proton/calcium exchanger protein	LETM1	83.6	6.2	6.2	176	3	3	0.13
55	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	ACADV	71.2	8.9	5.6	119	3	3	0.1
56	Trifunctional enzyme subunit beta, mitochondrial	ECHB	51.6	9.4	21.1	423	13	8	0.59
56	Basigin	BASI	42.9	5.6	5.9	92	2	2	0.17
56	Citrate synthase, mitochondrial	CISY	52.0	8.7	5.8	74	2	2	0.14
56	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial	ACADV	71.2	8.9	4.1	101	2	2	0.1
57	Transmembrane protein 14C	TM14C	11.6	9.7	24.6	129	4	2	1.33
57	Succinate dehydrogenase [ubiquinone] cytochrome b small subunit, mitochc	DHSD	17.3	9.3	5	81	3	2	0.47
58	Mitochondrial pyruvate carrier 2	MPC2	14.3	10.6	60.6	362	15	8	7.02
58	CDGSH iron-sulfur domain-containing protein 1	CISD1	12.3	9.2	20.4	104	3	2	1.24
58	Hemoglobin subunit beta-1	HBB1	15.9	7.1	24.5	164	4	2	0.87
58	Mitochondrial pyruvate carrier 1	MPC1	12.6	9.7	20.2	125	2	2	0.68
58	Beta-2-microglobulin	B2MG	13.9	8.6	16	98	2	2	0.61
58	Microsomal glutathione S-transferase 1	MGST1	17.6	9.7	16.1	126	2	2	0.46
58	Succinate dehydrogenase cytochrome b560 subunit, mitochondrial	C560	18.6	10.0	14.8	93	2	2	0.43
58	ADP/ATP translocase 2	ADT2	33.1	9.7	6.7	99	2	2	0.23
59	Microsomal glutathione S-transferase 1	MGST1	17.6	9.7	16.1	112	5	2	1.58
59	Fatty acid-binding protein, adipocyte	FABP4	14.8	8.5	46.2	265	6	5	1.46
59	Cytochrome c, somatic	CYC	11.7	9.6	24.8	196	3	3	1.31
59	Vesicle-associated membrane protein 2	VAMP2	12.7	7.9	28.4	122	3	2	0.68
59	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial	COX41	19.6	9.3	18.9	140	4	3	0.67
59	Fatty acid-binding protein, heart	FABPH	14.8	6.1	21.8	160	4	3	0.57
59	Mitochondrial brown fat uncoupling protein 1	UCP1	33.6	9.3	27	345	6	6	0.5
59	Non-specific lipid-transfer protein	NLTP	59.7	7.2	3.8	72	2	2	0.12
60	Hemoglobin subunit beta-1	HBB1	15.9	7.1	61.9	480	14	7	4.29
60	Mitochondrial pyruvate carrier 2	MPC2	14.3	10.6	39.4	266	8	6	3.01
60	Hemoglobin subunit beta-2	HBB2	16.0	7.9	57.8	396	10	7	2.49
60	Hemoglobin subunit alpha	HBA	15.1	8.0	43	253	6	5	1.41
60	Fatty acid-binding protein, heart	FABPH	14.8	6.1	21.8	161	3	3	0.96
60	ATP synthase subunit beta, mitochondrial	ATPB	56.3	5.2	24.8	539	13	9	0.84
60	Mitochondrial import inner membrane translocase subunit Tim8 A	TIM8A	11.3	5.1	22.7	86	2	2	0.79
60	Cytochrome c, somatic	CYC	11.7	9.6	30.5	146	3	2	0.75
60	CDGSH iron-sulfur domain-containing protein 1	CISD1	12.3	9.2	20.4	96	3	2	0.71
60	Cytochrome c oxidase protein 20 homolog	COX20	13.4	9.2	22.2	113	2	2	0.64
60	ATP synthase subunit alpha, mitochondrial	ATPA	59.8	9.2	21.7	443	9	8	0.49
60	Non-specific lipid-transfer protein	NLTP	59.7	7.2	5.3	153	3	3	0.19
60	Hydroxysteroid dehydrogenase-like protein 2	HSDL2	54.5	6.3	4.5	123	2	2	0.13
61	Mitochondrial pyruvate carrier 1	MPC1	12.6	9.7	58.7	284	8	6	3.76
61	Transmembrane protein 14C	TM14C	11.6	9.7	24.6	124	3	2	1.33