

Supplementary Table 4. All mitochondrial genes on the array

Accession number	Gene name	2 wk	6wk	Frog	Tail NF62
CB200932	2,4-dienoyl CoA reductase 1, mitochondrial	NS	NS	1.60	NS
CA985796	3-hydroxyisobutyrate dehydrogenase	NS	0.58	NS	NS
BC059355	3-oxoacid CoA transferase	NS	1.48	3.91	0.23
BC060364	4-aminobutyrate aminotransferase	NS	0.57	0.44	0.24
CA985080	methyltransferase reductase	NS	NS	NS	NS
BU913531	A kinase (PRKA) anchor protein 1	NS	NS	NS	NS
BU906294	acetyl-Coenzyme A acetyltransferase 1	NS	NS	4.63	0.2
BC045119	acetyl-Coenzyme A acyltransferase 2	1.57	1.86	4.28	0.29
BC043756	acyl-CoA synthetase long-chain family member 1	NS	NS	2.38	0.55
AF186471	aconitase 2, mitochondrial	NS	0.53	0.51	NS
BC056845	acyl-Coenzyme A dehydrogenase family	NS	4.08	11.32	0.57
BU906737	acyl-Coenzyme A dehydrogenase family	NS	NS	NS	NS
CB205913	acyl-Coenzyme A dehydrogenase	NS	NS	NS	NS
CD330123	acyl-Coenzyme A dehydrogenase	NS	NS	1.52	NS
BU905838	acyl-Coenzyme A dehydrogenase, long chain	NS	NS	NS	NS
BU903542	acyl-Coenzyme A dehydrogenase, very long chain	NS	NS	NS	NS
CB198477	adenylate kinase 1	NS	NS	3.53	0.28
BC041509	adenylate kinase 2	NS	NS	NS	NS
CD302089	AFG3 ATPase family gene 3-like 2 (yeast)	NS	NS	NS	NS
AJ278065	alanine-glyoxylate aminotransferase	NS	NS	NS	NS
BJ084256	alanine-glyoxylate aminotransferase 2	NS	NS	NS	NS
BC054260	alcohol dehydrogenase IB (class I)	NS	35.87	90.03	NS
BC041319	alcohol dehydrogenase 1C (class I)	NS	4.99	4.03	NS
AB016717	aldehyde dehydrogenase 1 family, member A1	NS	5.16	4.50	1.75
CA983600	aldehyde dehydrogenase 6 family, member A1	NS	NS	NS	NS
BJ628374	alpha-methylacyl-CoA racemase	NS	NS	NS	NS
BC060364	4-aminobutyrate aminotransferase	NS	0.57	0.44	0.24
BC059988	aminolevulinate, delta-, synthase 1	NS	NS	2.65	NS

BG811690	aminolevulinate, delta-, synthase 2	NS	NS	NS	NS
BQ732928	ancient ubiquitous protein 1	NS	NS	NS	NS
BJ088766	APEX nuclease	NS	NS	NS	NS
BJ057663	apoptosis-inducing factor	NS	NS	0.36	NS
U08408	arginase, type II	NS	0.62	1.70	0.59
CD257014	ATP synthase mitochondrial F1	NS	NS	NS	NS
CA974238	ATP synthase mitochondrial F0, subunit c	NS	NS	3.50	0.41
BF232304	ATP synthase mitochondrial F0, subunit c	NS	NS	1.85	0.57
CB199961	ATP synthase mitochondrial F0, subunit e	NS	NS	5.82	NS
BF047364	ATP synthase mitochondrial F0, subunit f	NS	NS	5.85	0.5
AW634424	ATP synthase mitochondrial F0, subunit F6	NS	NS	5.31	0.56
AW200171	ATP synthase mitochondrial F0, subunit g	NS	NS	4.37	NS
BG022685	ATP synthase mitochondrial F0, subunit s	NS	NS	NS	NS
BC054959	ATP synthase mitochondrial F1, alpha subunit	NS	NS	4.82	0.24
AW200073	ATP synthase mitochondrial F1, delta subunit	NS	NS	4.76	0.39
AW199873	ATP synthase, mitochondrial F1, O subunit	NS	NS	2.86	0.29
BF614639	ATPase inhibitory factor 1	NS	NS	6.91	NS
BJ047094	ATPase, Ca ⁺⁺ -sequestering	NS	23.56	63.31	NS
BC060332	ATPase, Na ⁺ /K ⁺ transporting, alpha 2	0.55	2.10	8.30	NS
M37788	ATPase, Na ⁺ /K ⁺ transporting, beta 3	NS	NS	0.22	NS
AW159034	ATP-binding cassette, sub-family A	NS	NS	1.28	NS
BJ641583	ATP-binding cassette, sub-family B	NS	NS	NS	NS
BC046573	ATP-binding cassette, sub-family E	NS	NS	NS	NS
BC046677	ATP-binding cassette, sub-family F	NS	NS	NS	NS
CF342434	AU RNS binding protein	NS	NS	1.37	NS
BC043771	BAF53	NS	0.46	0.22	NS
BC060010	BCL2	NS	1.44	3.33	NS
BU910040	BCL2	NS	NS	1.89	NS
AF288809	BCL2-associated X protein	NS	NS	0.42	0.65
BC045021	BCS1-like (yeast)	NS	NS	NS	NS
BF049428	BH3 interacting domain death agonist	NS	NS	NS	NS

BU916064	benzodiazapine receptor associated protein 1	NS	0.64	2.56	0.61
BU903336	branched chain keto acid dehydrogenase E1, alpha	NS	NS	1.33	NS
AW199247	branched chain keto acid dehydrogenase E1, beta	NS	NS	NS	NS
BC056033	calcium-binding transporter	NS	NS	NS	2.02
BC046947	calsequestrin 1 (fast-twitch, skeletal muscle)	0.17	0.39	69.63	0.27
BU910733	carnitine acetyltransferase	NS	NS	NS	1.45
BC048219	carnitine palmitoyltransferase 1A (liver)	NS	NS	0.41	4.28
CD329151	carnitine palmitoyltransferase 1B (muscle)	NS	NS	1.29	0.73
BC045036	carnitine palmitoyltransferase II	NS	NS	NS	NS
AB038171	caspase 8, apoptosis-related cysteine protease	NS	NS	NS	NS
AW200173	ceroid-lipofuscinosis, neuronal 3, juvenile	NS	NS	NS	1.41
BC046571	citrate synthase	NS	NS	3.66	0.55
BC046726	CGI-51 protein	NS	NS	2.76	0.46
CD254125	CGI-69 protein	NS	NS	NS	NS
CF547537	choline dehydrogenase	0.35	0.35	9.18	NS
BG017815	chromosome 3 open reading frame 1	NS	NS	NS	NS
BC059342	chromosome 10 open reading frame 70	NS	0.68	NS	1.36
BF048406	chromosome 14 open reading frame 2	NS	NS	NS	NS
CA983055	chromosome 15 open reading frame 12	NS	NS	1.84	0.39
BC047977	chromosome 20 open reading frame 45	NS	NS	NS	NS
BC046571	citrate synthase	NS	NS	3.66	0.55
AW148132	ClpP caseinolytic protease, ATP-dependent	NS	NS	1.36	NS
BQ728266	ClpX caseinolytic protease X homolog (E. coli)	NS	NS	1.75	NS
BX854994	coenzyme Q3 homolog, methyltransferase (yeast)	NS	NS	2.07	NS
BC045084	complement component 1	NS	NS	NS	NS
BX850323	COX10 homolog	NS	NS	1.28	NS
BX850630	COX15 homolog	NS	NS	NS	NS
BC044015	creatine kinase, mitochondrial 1 (ubiquitous)	NS	1.53	1.44	1.41
CA986836	cyclin M4	NS	NS	1.89	NS
AY049033	cryptochrome 1 (photolyase-like)	NS	NS	NS	NS
BX847508	cytochrome c oxidase assembly protein	0.39	NS	10.53	0.23

CA973104	cytochrome c oxidase subunit IV isoform 1	NS	NS	1.63	NS
BU904087	cytochrome c oxidase subunit IV isoform 2	NS	NS	5.34	NS
AW642654	cytochrome c oxidase subunit Vb	NS	NS	1.61	0.39
BU901473	cytochrome c oxidase subunit VIc	NS	NS	2.89	NS
BQ736895	cytochrome c oxidase subunit VIIa	NS	NS	1.32	NS
BF611222	cytochrome c oxidase subunit VIIa	NS	NS	5.65	0.33
CB200109	cytochrome c oxidase subunit VIIb	NS	NS	NS	NS
AW200424	cytochrome c oxidase subunit VIIc	NS	2.59	5.73	0.53
CA787861	cytochrome c, somatic	NS	NS	0.50	2.14
BC045127	cytochrome c-1	NS	NS	3.58	0.28
BC059990	cyt. P450, family 2, subfamily C, polypeptide 18	NS	2.21	2.34	NS
BC045126	cyt. P450, family 2, subfamily C, polypeptide 8	NS	0.30	0.15	NS
BU914112	cyt. P450, family 2, subfamily J, polypeptide 2	NS	1.66	2.30	NS
BJ051368	cyt. P450, family 11, subfamily A, polypeptide 1	NS	NS	NS	NS
CD328173	cyt. P450, family 27, subfamily A, polypeptide 1	NS	NS	NS	NS
BC046696	DEAD (Asp-Glu-Ala-As) box polypeptide 19	NS	NS	0.56	NS
BU911969	DEAD (Asp-Glu-Ala-Asp) box polypeptide 1	NS	NS	1.48	NS
CB983629	DEAD (Asp-Glu-Ala-Asp) box polypeptide 10	NS	NS	1.28	NS
BC054181	DEAD (Asp-Glu-Ala-Asp) box polypeptide 17	NS	NS	NS	NS
BU903342	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18	NS	NS	NS	NS
AF302422	DEAD (Asp-Glu-Ala-Asp) box polypeptide 21	NS	NS	NS	NS
CA790684	DEAD (Asp-Glu-Ala-Asp) box polypeptide 23	NS	NS	0.30	NS
BC043900	DEAD (Asp-Glu-Ala-Asp) box polypeptide 24	NS	0.58	0.38	1.53
BQ736775	DEAD (Asp-Glu-Ala-Asp) box polypeptide 27	NS	NS	NS	NS
BC044972	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3	NS	0.66	0.31	3.68
BX850995	DEAD (Asp-Glu-Ala-Asp) box polypeptide 31	NS	NS	NS	NS
AY298950	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39	NS	0.60	0.38	NS
CB565324	DEAD (Asp-Glu-Ala-Asp) box polypeptide 41	NS	NS	1.30	0.71
BC043977	DEAD (Asp-Glu-Ala-Asp) box polypeptide 42	NS	0.57	0.56	NS
BU908294	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	NS	NS	1.72	NS
BU913273	DEAD (Asp-Glu-Ala-Asp) box polypeptide 47	NS	0.75	0.39	NS

AF020432	DEAD (Asp-Glu-Ala-Asp) box polypeptide 48	NS	0.69	0.45	1.46
BC047981	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5	NS	0.63	0.29	2.25
BJ072880	DEAH (Asp-Glu-Ala-His) box polypeptide 16	NS	0.58	0.39	NS
BF231944	DEAH (Asp-Glu-Ala-His) box polypeptide 32	NS	NS	NS	NS
BU908693	DEAH (Asp-Glu-Ala-His) box polypeptide 33	NS	NS	NS	0.72
CD329926	DEAH (Asp-Glu-Ala-His) box polypeptide 36	NS	NS	NS	NS
BQ735410	DEAH (Asp-Glu-Ala-His) box polypeptide 37	NS	0.75	NS	0.71
CF270695	DEAH (Asp-Glu-Ala-His) box polypeptide 38	NS	0.73	0.45	NS
CA987430	DEAH (Asp-Glu-Ala-His) box polypeptide 8	NS	NS	NS	NS
BQ730824	death associated protein 3	NS	NS	NS	0.64
CA981516	deoxyguanosine kinase	NS	NS	NS	NS
BC045265	diaphorase (NSDH) (cytochrome b-5 reductase)	NS	NS	2.22	NS
BC056016	dihydrolipoamide dehydrogenase (E3)	NS	NS	2.96	0.33
AF430140	dihydrolipoamide S-acetyltransferase (E2)	NS	NS	3.88	0.28
BC045016	dihydrolipoamide S-succinyltransferase (E2)	NS	NS	2.73	0.35
CB560368	dihydroorotate dehydrogenase	NS	NS	NS	NS
BF614590	DnaJ (Hsp40) homolog, subfamily A, member 3	NS	NS	1.83	NS
BQ886013	dodecenoyl-Coenzyme A delta isomerase	NS	NS	1.31	NS
BF611044	dUTP pyrophosphatase	NS	NS	NS	NS
BC044291	dynamamin 1-like	NS	NS	1.78	0.47
CB563541	electron-transfer-flavoprotein, alpha polypeptide	NS	NS	1.34	NS
BC059787	electron-transfer-flavoprotein, beta polypeptide	NS	NS	2.33	0.33
CB563356	electron-transferring-flavoprotein dehydrogenase	NS	NS	1.35	NS
AW199936	endonuclease G	NS	NS	NS	NS
CD327268	enoyl Coenzyme A hydratase, short chain, 1	NS	NS	NS	NS
BX846352	ferredoxin 1	NS	NS	NS	NS
BG555184	ferredoxin reductase	NS	NS	1.32	NS
AF036617	ferrochelataase (protoporphyrin)	1.59	NS	NS	NS
CB560500	FGF (acidic) intracellular binding protein	NS	NS	1.48	NS
AW200147	fracture callus 1 homolog (rat)	NS	NS	1.31	NS
BM191282	fumarate hydratase	NS	NS	NS	0.55

X91241	GA binding protein transcription factor	NS	NS	NS	NS
CA792603	gamma-SNSP-associated factor 1	NS	NS	NS	NS
X93494	glucokinase (hexokinase 4)	NS	NS	NS	4.35
BC045269	glutamic-oxaloacetic transaminase 1, soluble	NS	NS	10.44	0.15
BC057752	glutaminyl-tRNS synthetase	NS	NS	NS	0.6
CA984722	glutaredoxin 2	NS	NS	1.27	NS
BX852732	glutaryl-Coenzyme A dehydrogenase	NS	NS	NS	0.65
CD327647	glutathione peroxidase 4	NS	1.51	2.12	NS
CD328025	glutathione reductase	NS	1.49	1.56	2.95
BC054290	glutathione S-transferase subunit 13 homolog	NS	NS	2.24	0.43
CF282829	glutathione transferase zeta 1	NS	NS	NS	NS
BG016726	glycerol-3-phosphate dehydrogenase 2	NS	NS	1.67	NS
BC056091	glycerol kinase	NS	NS	0.48	NS
BC047258	glycine C-acetyltransferase	NS	NS	NS	0.2
CA790387	glycine cleavage system protein H	NS	NS	NS	NS
BC042245	glycine dehydrogenase	NS	1.94	NS	10.15
BX847396	growth factor, augmenter of liver regeneration	NS	0.62	NS	NS
CA973271	GrpE-like 1, mitochondrial (E. coli)	NS	NS	NS	NS
BC041192	heat shock 60kDa protein 1 (chaperonin)	NS	NS	0.43	NS
BC045130	heat shock 70kDa protein 9B (mortalin-2)	NS	NS	NS	NS
BQ730744	hepatocellularcarcinoma-associated antigen	NS	NS	NS	0.45
AF288471	hexokinase 1	NS	NS	2.45	0.68
BJ077643	hexokinase 2	NS	NS	NS	NS
BC045005	holocytochrome c synthase	NS	0.68	2.45	0.43
BC043800	HS1 binding protein	NS	NS	NS	NS
CA982774	hydroxyacyl-Coenzyme A dehydrogenase, type II	NS	NS	2.50	0.19
BX845168	hydroxyacyl-Coenzyme A dehydrogenase	NS	NS	NS	NS
CA982303	hypothetical protein LOC114971	NS	NS	3.34	0.41
BC059996	hypothetical protein MGC10940	NS	NS	2.69	0.39
BC041326	inner membrane protein, mitochondrial (mitofilin)	NS	NS	2.65	NS
BC046379	isocitrate dehydrogenase 2 (NSDP+)	NS	NS	4.49	0.32

BU913373	isocitrate dehydrogenase 3 (NSD+) alpha	NS	NS	2.14	0.30
CD326544	isocitrate dehydrogenase 3 (NSD+) beta	NS	NS	1.34	NS
CB560638	isovaleryl Coenzyme A dehydrogenase	NS	NS	1.58	NS
BG017947	kinesin family member 1B	NS	2.35	4.46	NS
BU912905	lactamase, beta	NS	0.62	0.54	NS
BC054257	lactate dehydrogenase B	NS	NS	2.65	0.24
CB755986	lactate dehydrogenase D	NS	NS	NS	NS
BG811792	lamin B2	NS	NS	NS	0.67
BJ051530	leucine zipper transmembrane protein 1	NS	NS	1.43	NS
BQ384499	leucyl-tRNS synthetase 2, mitochondrial	NS	NS	NS	NS
BU912960	ortholog of acyl-Coenzyme A thioesterase 2	NS	NS	NS	NS
BQ734373	lipoic acid synthetase	NS	NS	NS	NS
AW634109	low molecular mass ubiquinone-binding protein	NS	NS	4.55	0.21
BC047965	lysyl-tRNS synthetase	NS	NS	NS	0.52
CB197736	malate dehydrogenase 1, NSD (soluble)	NS	NS	NS	NS
CB564949	malate dehydrogenase 2, NSD (mitochondrial)	NS	NS	NS	2.06
AY225508	malic enzyme 2, NSD(+)-dependent	NS	NS	NS	NS
CA972298	mercaptopyruvate sulfurtransferase	NS	NS	NS	NS
CB592873	mature T-cell proliferation 1	NS	NS	2.08	0.67
CA793260	metaxin 2	NS	NS	NS	NS
BJ063128	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	NS	NS	1.49	0.31
BX843287	methylene tetrahydrofolate dehydrogenase	NS	NS	NS	0.49
BE576457	methylmalonyl Coenzyme A mutase	NS	NS	1.42	NS
CB942903	microsomal glutathione S-transferase 1	NS	1.70	NS	2.26
BJ071086	mitochondria-associated protein	NS	NS	1.74	0.38
BC043834	mitochondrial Ca ²⁺ -dependent solute carrier	NS	NS	NS	0.98
AB046536	mitochondrial carrier homolog 2 (C. elegans)	NS	NS	NS	NS
BE669338	mitochondrial elongation factor G1	NS	NS	NS	NS
BU911836	mitochondrial elongation factor G2	NS	NS	NS	NS
BJ068351	mitochondrial folate transporter/carrier	NS	NS	NS	NS
BG017618	mitochondrial inner membrane	NS	NS	5.26	0.35

CA983147	mitochondrial intermediate peptidase	NS	NS	1.32	NS
BU914057	mitochondrial ribosomal protein L11	NS	NS	NS	NS
CB564293	mitochondrial ribosomal protein L12	NS	NS	NS	NS
BE189856	mitochondrial ribosomal protein L13	NS	NS	1.78	0.4
CA987817	mitochondrial ribosomal protein L15	NS	0.71	1.67	NS
BF231755	mitochondrial ribosomal protein L16	NS	NS	NS	NS
BC056073	mitochondrial ribosomal protein L18	NS	NS	NS	NS
BX847608	mitochondrial ribosomal protein L19	NS	NS	NS	NS
CF547623	mitochondrial ribosomal protein L2	NS	NS	NS	0.62
BF232199	mitochondrial ribosomal protein L21	NS	NS	NS	NS
CA974358	mitochondrial ribosomal protein L23	NS	NS	NS	NS
CD254126	mitochondrial ribosomal protein L24	NS	NS	1.44	NS
AW200559	mitochondrial ribosomal protein L27	NS	NS	NS	NS
CD362208	mitochondrial ribosomal protein L28	NS	NS	NS	NS
BJ633986	mitochondrial ribosomal protein L3	NS	NS	NS	NS
BF025307	mitochondrial ribosomal protein L30	NS	NS	1.35	NS
AW633046	mitochondrial ribosomal protein L33	NS	NS	1.36	NS
AW638425	mitochondrial ribosomal protein L34	NS	NS	1.83	0.54
BU910452	mitochondrial ribosomal protein L36	NS	NS	NS	NS
BE507247	mitochondrial ribosomal protein L38	NS	0.54	NS	NS
BX855294	mitochondrial ribosomal protein L39	NS	NS	NS	0.49
CD328019	mitochondrial ribosomal protein L4	NS	NS	NS	0.44
BE491189	mitochondrial ribosomal protein L41	NS	NS	1.75	NS
AW199995	mitochondrial ribosomal protein L42	NS	NS	NS	NS
CA982235	mitochondrial ribosomal protein L43	NS	NS	1.42	NS
BC054195	mitochondrial ribosomal protein L44	NS	NS	NS	1.67
BC043883	mitochondrial ribosomal protein L45	NS	NS	NS	NS
AW765260	mitochondrial ribosomal protein L46	NS	NS	NS	NS
BQ733050	mitochondrial ribosomal protein L47	NS	NS	1.31	NS
BU914939	mitochondrial ribosomal protein L48	NS	NS	NS	NS
AW635120	mitochondrial ribosomal protein L49	NS	NS	NS	NS

CB199839	mitochondrial ribosomal protein L51	NS	NS	1.52	NS
CB206130	mitochondrial ribosomal protein L53	NS	NS	NS	NS
BC057214	mitochondrial ribosomal protein L55	NS	0.69	1.97	NS
CA971767	mitochondrial ribosomal protein L9	NS	NS	NS	NS
CA973955	mitochondrial ribosomal protein S11	NS	NS	1.30	NS
BC054176	mitochondrial ribosomal protein S12	NS	0.70	0.53	NS
BX852636	mitochondrial ribosomal protein S15	NS	NS	1.99	0.59
CA972373	mitochondrial ribosomal protein S18A	NS	NS	NS	0.48
CD361615	mitochondrial ribosomal protein S18B	NS	NS	NS	NS
BG017586	mitochondrial ribosomal protein S18C	NS	NS	NS	NS
CA982629	mitochondrial ribosomal protein S2	NS	NS	NS	NS
BX845410	mitochondrial ribosomal protein S21	NS	NS	2.04	0.52
CD301940	mitochondrial ribosomal protein S22	NS	0.70	0.58	NS
BG038466	mitochondrial ribosomal protein S23	NS	NS	NS	NS
BX844293	mitochondrial ribosomal protein S24	NS	NS	NS	0.55
BQ736891	mitochondrial ribosomal protein S25	NS	NS	NS	NS
CA984964	mitochondrial ribosomal protein S26	NS	NS	1.36	NS
AF317657	mitochondrial ribosomal protein S30	NS	NS	NS	0.54
BQ736407	mitochondrial ribosomal protein S31	NS	NS	1.45	0.51
AW200124	mitochondrial ribosomal protein S33	NS	NS	1.34	NS
BC046672	mitochondrial ribosomal protein S34	NS	1.45	1.70	0.59
BU900323	mitochondrial ribosomal protein S35	NS	NS	NS	NS
BX849854	mitochondrial ribosomal protein S5	NS	NS	NS	0.63
BU909298	mitochondrial ribosomal protein S7	NS	0.72	NS	NS
CA982088	mitochondrial ribosomal protein S9	NS	NS	NS	0.48
BJ634092	mitochondrial translational release factor 1	NS	NS	NS	NS
CD257058	mitofusin 1	NS	NS	1.29	NS
AF411518	mitotic phosphoprotein 44	NS	NS	NS	1.4
CD325780	NSDH dehydrogenase 1 subcomplex, 10, 42kDa	NS	NS	NS	NS
CB593190	NSDH dehydrogenase 1 subcomplex, 11, 14.7kDa	NS	NS	2.13	0.63
BF072406	NSDH dehydrogenase 1, 3, 9kDa	NS	NS	NS	NS

CB592997	NSDH dehydrogenase 1, 4, 9kDa	NS	NS	NS	NS
BX848879	NSDH dehydrogenase 1, 7, 14.5kDa	NS	NS	3.96	NS
BE491088	NSDH dehydrogenase 1, 8, 19kDa	NS	NS	2.25	NS
BC054183	NSDH dehydrogenase 1, 9, 39kDa	NS	NS	4.11	0.49
CB592100	NSDH dehydrogenase 1, 1, 8kDa	NS	NS	5.87	0.27
AW636101	NSDH dehydrogenase 1 beta, 1, 7kDa	NS	NS	2.94	NS
BG017514	NSDH dehydrogenase 1 beta, 2, 8kDa	NS	NS	NS	NS
BX848343	NSDH dehydrogenase 1 beta, 4, 15kDa	NS	NS	3.18	0.47
BQ731027	NSDH dehydrogenase 1 beta, 5, 16kDa	NS	NS	4.19	0.34
CA790567	NSDH dehydrogenase 1 beta, 7, 18kDa	NS	NS	NS	NS
BJ046642	NSDH dehydrogenase 1 beta, 8, 19kDa	NS	NS	NS	NS
BG264283	NSDH dehydrogenase 1, 1, 6kDa	NS	NS	2.38	NS
AW200445	NSDH dehydrogenase 1, 2, 14.5kDa	NS	NS	4.64	0.47
BC049394	NSDH dehydrogenase Fe-S protein 1, 75kDa	NS	NS	4.90	0.39
CD330070	NSDH dehydrogenase Fe-S protein 2, 49kDa	NS	NS	1.50	NS
BG162895	NSDH dehydrogenase Fe-S protein 4, 18kDa	NS	NS	70.84	4.35
BC056098	NSDH dehydrogenase Fe-S protein 5, 15kDa	NS	NS	4.16	NS
AW147428	NSDH dehydrogenase Fe-S protein 6, 13kDa	NS	NS	3.73	0.4
CB756825	NSDH dehydrogenase Fe-S protein 7, 20kDa	NS	NS	2.09	0.47
BQ728220	NSDH dehydrogenase Fe-S protein 8, 23kDa	NS	NS	2.66	0.42
BC041320	NSDH dehydrogenase flavoprotein 1, 51kDa	NS	NS	2.52	0.34
BX847160	NSDH dehydrogenase flavoprotein 2, 24kDa	NS	NS	NS	NS
BU912967	neighbor of COX4	NS	NS	NS	NS
BU911678	NFS1 nitrogen fixation 1 (<i>S. cerevisiae</i>)	NS	NS	NS	NS
BX850790	nipsnap homolog 1 (<i>C. elegans</i>)	NS	NS	1.38	NS
BC054995	nitrogen fixation cluster-like	NS	1.68	2.31	NS
CA982524	non-metastatic cells 4	NS	NS	NS	NS
X70700	nuclear receptor subfamily 4, group A, member 1	1.92	NS	NS	NS
BG020592	nuclear respiratory factor 1	NS	NS	NS	NS
CA794167	nucleoporin 50kDa	NS	NS	NS	NS
BC045249	ornithine aminotransferase (gyrate atrophy)	NS	NS	2.47	0.15

AF134842	ornithine carbamoyltransferase	NS	NS	NS	NS
BJ049708	peptidase (mitochondrial processing) beta	NS	NS	NS	NS
BU903448	peptidylprolyl isomerase F (cyclophilin F)	NS	NS	NS	NS
CA980988	peroxiredoxin 3	NS	NS	7.23	NS
BU901799	peroxiredoxin 5	NS	NS	1.44	NS
BJ052494	peroxisome proliferative activated receptor, gamma	NS	NS	1.42	NS
BX851179	phenylalanine-tRNS synthetase 1 (mitochondrial)	NS	NS	NS	NS
CA790765	phosphatidylethanolamine N-methyltransferase	NS	NS	0.40	NS
BC044042	phosphoenolpyruvate carboxykinase 2	NS	1.55	1.39	3.16
U49509	polymerase (DNS directed), gamma	NS	NS	NS	NS
AF124606	polymerase (DNS directed), gamma 2	NS	NS	1.42	0.29
AF200705	polymerase (RNS) mitochondrial (DNS directed)	NS	0.47	0.44	NS
BQ734970	programmed cell death 8	NS	NS	NS	NS
CA982783	progressive external ophthalmoplegia 1	NS	0.55	0.46	NS
BC059998	proline dehydrogenase (oxidase) 2	NS	NS	1.53	NS
BC046371	propionyl Coenzyme A carboxylase, beta	NS	0.70	1.87	0.52
BX842761	protease, serine, 15	NS	0.62	NS	NS
CB943549	protease, serine, 25	NS	NS	NS	0.52
AJ413218	protein kinase, cAMP-dependent, catalytic, alpha	NS	NS	2.23	0.33
BC042272	protein phosphatase 2, alpha	NS	NS	0.54	NS
Z50852	protein phosphatase 2, beta	NS	NS	NS	NS
BC046723	protein phosphatase 2, regulatory subunit A, alpha	NS	NS	NS	NS
BC043624	protein phosphatase 2, regulatory subunit A, beta	NS	0.63	0.28	2.21
CA788657	protoporphyrinogen oxidase	NS	NS	NS	NS
BU913808	pyrroline-5-carboxylate synthetase	NS	NS	NS	NS
BC059308	pyruvate carboxylase	NS	NS	NS	NS
BU912197	pyruvate dehydrogenase (lipoamide) alpha 1	NS	0.74	NS	NS
U39669	pyruvate dehydrogenase (lipoamide) beta	NS	NS	5.35	0.38
BI443644	pyruvate dehydrogenase complex, component X	NS	NS	NS	NS
CD301701	pyruvate dehydrogenase kinase, isoenzyme 1	NS	NS	1.38	NS
BC059972	pyruvate dehydrogenase kinase, isoenzyme 2	NS	NS	5.95	0.42

BJ072373	sarcosine dehydrogenase	NS	1.35	NS	NS
BX846035	SCO cytochrome oxidase deficient homolog 2	NS	NS	NS	NS
BX846343	Septin4	NS	NS	21.59	0.23
BU903870	serine hydroxymethyltransferase 2 (mitochondrial)	NS	NS	NS	NS
BC044027	sideroflexin 1	NS	1.61	1.39	NS
BQ731316	sideroflexin 2	NS	NS	NS	NS
BU906836	small fragment nuclease	NS	NS	0.57	1.61
BC043827	solute carrier family (SCF) 25, member 20	NS	NS	2.10	0.37
BX855266	SCF 25, member 12	NS	1.54	16.97	0.32
AW147976	SCF 25, member 14	NS	NS	1.54	NS
BC063272	SCF 25, member 22	NS	0.67	0.20	2.71
BC043821	SCF 25, mitochondrial carrier 5	NS	NS	NS	NS
CB984281	SCF 25; adenine nucleotide translocator 6	0.68	NS	5.90	0.24
BC041303	SCF 25; citrate transporter 1	NS	1.47	NS	2.04
CD325149	SCF 25; dicarboxylate transporter 10	NS	NS	NS	NS
CD361287	SCF 25; oxoglutarate carrier 11	NS	NS	1.57	0.59
CA788199	SCF 25; Graves disease autoantigen 16	NS	NS	NS	NS
AJ289240	SCF 25; peroxisomal membrane protein 17	NS	NS	NS	2.21
BC041746	SCF 27 (fatty acid transporter), member 2	NS	NS	NS	1.60
BC041739	SCF 25, member 13 (citrin)	NS	NS	0.51	NS
BQ731606	spastic paraplegia 7	NS	NS	NS	NS
CA971268	START domain containing 3	NS	NS	NS	NS
AF220437	steroidogenic acute regulatory protein	NS	NS	NS	NS
CA973597	sterol carrier protein 2	NS	NS	NS	1.83
BC060446	succinate dehydrogenase complex, subunit A	NS	NS	2.63	0.34
BC043859	succinate dehydrogenase complex, subunit B	NS	NS	3.40	0.55
BG515438	succinate dehydrogenase complex, subunit C	NS	NS	2.02	NS
CB209584	succinate-CoA ligase, ADP-forming, beta subunit	NS	NS	NS	NS
CB984324	succinate-CoA ligase, GDP-forming, alpha subunit	NS	NS	NS	NS
BC054152	sulfide quinone reductase-like (yeast)	NS	1.59	3.61	NS
BJ055826	superkiller viralicidic activity 2-like (<i>S. cerevisiae</i>)	NS	NS	NS	NS

AY362041	superoxide dismutase 2, mitochondrial	NS	NS	5.91	0.51
BC048022	testis specific, 10	NS	NS	NS	NS
BC043794	thioredoxin 2	NS	NS	1.35	0.36
BC056010	transcription factor B1, mitochondrial	S	NS	NS	2.13
BJ068643	transcription termination factor, mitochondrial	NS	NS	2.09	NS
BX853789	translocase of inner mit. membrane 10	NS	NS	NS	NS
CB592622	translocase of inner mit. membrane 13	NS	NS	NS	NS
CF289735	translocase of inner mit. membrane 17 homolog A	NS	NS	2.44	NS
CB196995	translocase of inner mit. membrane 8 homolog B	NS	NS	2.64	NS
BU915468	translocase of outer mit. membrane 20 homolog	NS	NS	NS	NS
BU899392	translocase of outer mit. membrane 22 homolog	NS	NS	NS	NS
CA972814	translocase of inner mit. membrane 23 homolog	NS	NS	NS	NS
BC044706	translocase of outer mit. membrane 40 homolog	NS	NS	NS	NS
CA971415	translocase of inner mit. membrane 44 homolog	NS	NS	NS	NS
BE026643	translocase of outer mit..l membrane 7 homolog	NS	NS	1.91	NS
BC059994	translocase of outer mit. membrane 70 homolog A	NS	NS	NS	NS
AF466151	tRNS nucleotidyl transferase, CCA-adding, 1	NS	NS	NS	NS
BJ085185	tryptophanyl tRNS synthetase 2 (mitochondrial)	NS	NS	1.30	NS
CD301429	tyrosine aminotransferase	NS	6.38	2.59	NS
AW767623	ubiquinol-cytochrome c reductase (6.4kD) subunit	NS	NS	8.05	0.51
CB198532	ubiquinol-cytochrome c reductase binding protein	NS	NS	5.62	0.35
CB201180	ubiquinol-cytochrome c reductase complex (7.2 kD)	NS	NS	NS	NS
BC049288	ubiquinol-cytochrome c reductase core protein I	NS	NS	4.75	0.35
BC042931	ubiquinol-cytochrome c reductase core protein II	NS	NS	5.09	0.32
BG019287	ubiquinol-cytochrome c reductase hinge protein	NS	NS	3.53	0.51
BU901419	ubiquinol-cytochrome c reductase	NS	NS	NS	NS
BC045131	N-acetylgalactosaminyltransferase (GalNSc-T)	NS	4.55	2.23	1.49
BC044682	uncoupling protein 2 (mitochondrial, proton carrier)	NS	NS	0.50	2.53
CA980825	uracil-DNS glycosylase	NS	NS	NS	NS
BC046577	voltage-dependent anion channel 1	NS	NS	4.70	0.17
S74063	v-raf-1 murine leukemia viral oncogene homolog 1	NS	NS	1.56	0.7

Summary of 400 mitochondrial genes