

Gene ID	Protein description
LmjF25.2010	2,4-dihydroxyhept-2-ene-1,7-dioic acid aldolase, putative
LinJ.35.0050 LdBPK_350050.1 LmjF35.0050	2-oxoisovalerate dehydrogenase beta subunit, mitochondrial precursor, putative
LdBPK_312320.1 LmjF31.2250	3,2-trans-enoyl-CoA isomerase, mitochondrial precursor, putative
LdBPK_290010.1	3,2-trans-enoyl-CoA isomerase, mitochondrial precursor-like protein
LmjF30.3190 LinJ.30.3230	3-hydroxy-3-methylglutaryl-CoA reductase (HMGR)
LmjF23.0690	3-ketoacyl-CoA thiolase, putative
LinJ.25.1850	3-oxo-5-alpha-steroid 4-dehydrogenase, putative
LmjF31.2970	acetyl-CoA carboxylase, putative
LinJ.04.1250	actin (ACT)
LmjF27.0290	acyl carrier protein, putative (ACP)
LmjF07.0460 LdBPK_070150.1	acyl-CoA dehydrogenase, mitochondrial precursor, putative
LinJ.19.0200 LdBPK_190200.1 LmjF19.0210	ADP,ATP carrier protein 1, mitochondrial precursor, putative,ADP/ATP translocase 1, putative (ANC2)
LmjF14.0990 LdBPK_141050.1	ADP/ATP mitochondrial carrier-like protein

LinJ.25.1160 LdBPK_251160.1 LmjF25.1120	aldehyde dehydrogenase, mitochondrial precursor (ALDH2)
LdBPK_364000.1	aminomethyltransferase, mitochondrial precursor, putative
LmjF34.0070 LinJ.34.0070	ascorbate peroxidase (APX)
LinJ.36.2130 LdBPK_362130.1 LdBPK_362140.1 LinJ.22.1040	chaperonin HSP60, mitochondrial precursor
LmjF18.0680 LdBPK_180700.1	citrate synthase, putative
LinJ.30.0760 LmjF30.0730	co-chaperone GrpE, putative
LmjF09.1490 LdBPK_110490.1	cytochrome b5-like protein, putative
LmjF04.1130 LmjF20.0840 LdBPK_030090.1	cytochrome c oxidase assembly factor, putative
LinJ.03.0720 LdBPK_030720.1	cytochrome c oxidase copper chaperone, putative
LinJ.23.0420	cytochrome c oxidase subunit 10, putative
LdBPK_367350.1	cytochrome c oxidase subunit I
LmjF12.0670 LinJ.12.0620	cytochrome c oxidase subunit IV
LmjF26.1710 LinJ.26.1690	cytochrome c oxidase subunit V, putative
LdBPK_212080.1	cytochrome c oxidase subunit VI, putative

LinJ.25.1170	cytochrome c oxidase VII, putative
LmjF31.1570 LinJ.31.1600	cytochrome c oxidase VIII (COX VIII), putative
LmjF16.1310 LdBPK_161390.1	cytochrome c, putative
LinJ.07.0210 LdBPK_070210.1 LmjF07.0060	cytochrome c1, heme protein, mitochondrial precursor, putative
LdBPK_150050.1	cytochrome-b5 reductase, putative
LmjF03.0200	delta-1-pyrroline-5-carboxylate dehydrogenase, putative
LinJ.16.1340	diacylglycerol kinase, putative
LinJ.32.3510 LmjF32.3310	dihydrolipoamide dehydrogenase, putative (GCVL-2)
LinJ.15.1270	E2-like ubiquitin-conjugation enzyme (UFC1)
LmjF25.1770	enoyl-CoA reductase, putative (EnCR)
LinJ.28.0240 LdBPK_280240.1 LmjF28.0240	glycerol-3-phosphate dehydrogenase (FAD-dependent), mitochondrial
LmjF36.3800	glycine synthase, putative (GCVT1)
LinJ.36.4000	glycine synthase, putative (GCVT-2)
LmjF33.2730	guide RNA associated protein, GAP1, putative

LinJ.22.0520 LmjF22.0650	guide RNA associated protein, GAP2, putative
LmjF30.2480 LdBPK_302480.1	heat shock 70-related protein 1, mitochondrial precursor, putative
LinJ.15.0090 LmjF.15.0090 LmjF15.0090	heat shock protein HslVU, ATPase subunit HslU, putative
LmjF36.3990 LinJ.36.4180	hs1vu complex proteolytic subunit-like, threonine peptidase, Clan T(1), family T1B
LinJ.04.0260	hypothetical protein, conserved
LinJ.08.0340	hypothetical protein, conserved
LinJ.09.1070	hypothetical protein, conserved
LinJ.22.1330	hypothetical protein, conserved
LinJ.23.0870	hypothetical protein, conserved
LmjF.35.0100	hypothetical protein, conserved
LmjF04.0270	hypothetical protein, conserved
LmjF09.1010	hypothetical protein, conserved
LmjF36.0620	hypothetical protein, conserved
LmjF36.3890	hypothetical protein, conserved

LinJ.35.3670 LmjF35.3620	iron-sulfur cluster assembly protein, putative
LinJ.10.0310 LdBPK_100310.1 LmjF10.0290	isocitrate dehydrogenase [NADP], mitochondrial precursor, putative
LinJ.33.2680	isocitrate dehydrogenase, putative
LmjF18.0010	kinetoplast polyadenylation/uridylation factor 1
LmjF32.1140	kinetoplast polyadenylation/uridylation factor 2, putative
LinJ.36.2440 LmjF27.0630 LmjF33.2510 LmjF36.2210	kinetoplast poly(A) polymerase complex 1 subunit, putative, mitochondrial edited mRNA stability factor 1 subunit, putative
LinJ.01.0610	KREL1
LinJ.29.1000 LmjF29.0920	LETM1 and EF-hand domain-containing protein 1, putative
LinJ.35.4790 LmjF35.4720	lipoic acid containing carrier protein, putative (GCVH)
LdBPK_190350.1	lipoic acid synthetase, mitochondrial precursor, putative
LinJ.08.0330 LdBPK_080330.1 LmjF08.0320	mitochondrial associated ribonuclease, putative
LmjF36.2710 LdBPK_341130.1 LdBPK_362850.1	mitochondrial ATP-dependent zinc metallopeptidase, putative
LinJ.36.2850 LinJ.34.1130	mitochondrial ATP-dependent zinc metallopeptidase, putative, metallo- peptidase, Clan MA(E), Family M41
LinJ.02.0640 LinJ.19.1090 LdBPK_020640.1 LdBPK_191090.1	mitochondrial carrier protein, putative

LinJ.29.2890 LinJ.30.1110 LdBPK_292890.1 LdBPK_301110.1	mitochondrial carrier protein-like protein
LinJ.28.2220 LdBPK_282220.1 LmjF28.2080	mitochondrial DEAD box protein, putative
LinJ.08.0830 LdBPK_080830.1 LmjF08.0890	mitochondrial DNA polymerase beta
LmjF08.0900 LdBPK_080840.1	mitochondrial DNA polymerase beta-PAK, putative
LdBPK_130080.1	mitochondrial DNA polymerase I protein B, putative
LmjF14.0920 LdBPK_140980.1	mitochondrial DNA polymerase I protein C, putative
LdBPK_131370.1	mitochondrial DNA polymerase I protein D, putative
LmjF23.0680	mitochondrial DNA primase, putative (PRI1)
LdBPK_151310.1	mitochondrial DNA topoisomerase II
LdBPK_241180.1	mitochondrial DNA-directed RNA polymerase, putative
LinJ.36.0620 LdBPK_360620.1 LmjF36.0570	Mitochondrial elongation factor G, putative (MEFG)
LmjF04.0330 LdBPK_040320.1	mitochondrial exoribonuclease DSS-1, putative
LinJ.09.1190 LdBPK_091190.1	mitochondrial import inner membrane translocase subunit TIM17, putative, inner membrane preprotein translocase Tim17, putative
LmjF36.4450 LdBPK_364670.1	mitochondrial intermediate peptidase, putative

LmjF34.0160 LdBPK_340170.1	mitochondrial malate dehydrogenase (mMDH)
LmjF30.0780 LdBPK_300830.1	mitochondrial oligo_U binding protein TBRGG1, putative
LmjF35.4430 LdBPK_354490.1	mitochondrial phosphate transporter, putative
LmjF13.0870 LmjF21.0340 LmjF33.2610 LinJ.33.0760	mitochondrial processing peptidase alpha subunit, putative
LdBPK_351390.1 LdBPK_010670.1 LmjF25.1280	mitochondrial processing peptidase, beta subunit, putative, metallo-peptidase, Clan ME, Family M16
LinJ.14.1560	mitochondrial pyruvate carrier protein 2, putative
LmjF25.1540 LmjF25.1740 LmjF26.1140 LmjF21.0620	mitochondrial RNA binding complex 1 subunit, putative
LinJ.27.0980 LdBPK_270980.1	mitochondrial RNA binding protein 1,gBP21, MRP1
LmjF24.0830	mitochondrial RNA binding protein 1,mitochondrial edited mRNA stability factor 1,Mitochondrial poly(A) polymerase 1
LmjF09.1120	mitochondrial RNA binding protein 2
LinJ.09.1180 LdBPK_091180.1	mitochondrial RNA binding protein 2,MRP2, gBP25
LinJ.33.1320 LdBPK_230930.1 LmjF33.1250	mitochondrial RNA binding protein, putative
LdBPK_010610.1	mitochondrial RNA editing ligase 1
LinJ.21.2020 LdBPK_212020.1 LmjF21.1660	mitochondrial structure specific endonuclease I (SSE-1), putative

LdBPK_240730.1	mitochondrial translocase subunit, putative
LmjF05.0310	monothiol glutaredoxin, putative
LmjF36.0700	MP18 RNA editing complex protein, putative
LinJ.08.1080 LmjF08.1170	MRB1-associated protein, putative,guide RNA binding protein, putative
LinJ.32.3370 LmjF.32.3170	NADH dehydrogenase subunit NI8M, putative
LinJ.36.3680	NADH-ubiquinone oxidoreductase complex I subunit, putative
Lmj.05.0980 LdBPK_050980.1 LdBPK_170320.1 LdBPK_120720.1	NADH-ubiquinone oxidoreductase, mitochondrial, putative
LinJ.32.2590 LmjF32.2440	NUDIX hydrolase, putative,mitochondrial RNA binding complex 1 subunit, putative
LinJ.30.1030 LmjF30.0970	p22 protein precursor, putative
LmjF28.0980	P27 protein, putative (P27)
LmjF04.0820	peptide deformylase, putative (EMBL:AY353252) (metalloprotease-like protein)
LmjF34.4530	phosphatidylinositol 3-kinase (tor2), putative (TOR2)
LmjF19.1620	potassium voltage-gated channel, putative
LmjF26.1610 LdBPK_261590.1	proline oxidase, mitochondrial precursor-like protein

LmjF34.1250	PTP1-interacting protein, 39 kDa, putative
LmjF26.0030	pyridoxal phosphate containing glycine decarboxylase, putative (GCVP)
LmjF15.0280 LdBPK_150330.1 LinJ.15.0320	ribonucleoprotein p18, mitochondrial precursor, putative
LmjF34.3230	RNA editing associated helicase 2, putative (REH2)
LmjF28.2370	serine hydroxymethyltransferase (SHMT-L) (SHMT-L)
LmjF11.0100	seryl-tRNA synthetase, putative
LinJ.36.3100 LmjF36.2950	succinyl-CoA ligase [GDP-forming] beta-chain, putative
LinJ.33.2470 LdBPK_332470.1 LmjF33.2340	succinyl-coA:3-ketoacid-coenzyme A transferase, mitochondrial precursor, putative
LinJ.29.1940 LmjF29.1820	Tob55, putative
LinJ.24.1570 LmjF24.1500	translationally controlled tumor protein (TCTP), putative
LmjF26.1550 LdBPK_261530.1	trifunctional enzyme alpha subunit, mitochondrial precursor-like protein
LmjF29.1150	tryparedoxin (TXN2)
LinJ.31.2650	ubiquinol-cytochrome-c reductase-like protein
LmjF16.1065	ubiquitin fold modifier protein, putative (UFM1)

LinJ.02.0430 LmjF02.0460	voltage-dependent anion-selective channel, putative
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Paape et al. 2010	Nirujogi et al. 2013
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