

**S1 Table.** List of 65 proteins identified by immunoblot and mass spectrometry (MS), then shortlisted by *in silico* algorithms. NCBI GenBank accession numbers are given for v1 IDs. Mass is given in kDa.

v1 ID	Score	Mass	v1 gene product	SignalP	Exosomes	v2 ID	v2 gene product
LdBPK_283000.1	5140	71509	heat-shock protein hsp70, putative	no	yes	LdBPK_280035200	heat-shock protein hsp70, putative
LdBPK_360210.1	3987	94942	elongation factor 2	no	yes	LdBPK_360006900	elongation factor 2
LdBPK_261550.1	2463	77764	thimet oligopeptidase, putative	no	yes	LdBPK_260020900	thimet oligopeptidase, putative
LdBPK_361420.1	2039	87562	Transitional endoplasmic reticulum ATPase, putative	no	yes	LdBPK_360019900	Transitional endoplasmic reticulum ATPase, putative
LdBPK_141240.1	1917	46634	enolase	no	yes	LdBPK_140018000	enolase
LdBPK_171390.1	1388	81273	translation initiation factor, putative	no	yes	LdBPK_170021100	translation initiation factor, putative
LdBPK_050960.1	1360	76269	dipeptidyl-peptidase III, putative	no	yes	LdBPK_050014700	metallo-peptidase, Clan M-, Family M49
LdBPK_271230.1	1326	78777	arginyl-tRNA synthetase, putative	no	yes	LdBPK_270018800	arginyl-tRNA synthetase, putative
LdBPK_354780.1	1306	79464	hypothetical protein, conserved	yes	no	LdBPK_350053100	Hsp70 protein, putative
LdBPK_120255.1	898	88757	unspecified product	no	yes	LdBPK_120007600	cysteinyI-tRNA synthetase, putative
LdBPK_161510.1	895	69373	paraflagellar rod protein 2C	no	yes	LdBPK_160020100	paraflagellar rod protein 1D, putative
LdBPK_210890.1	794	84741	methionyl-tRNA synthetase, putative	no	yes	LdBPK_210013900	methionyl-tRNA synthetase
LdBPK_090820.1	763	83734	oligopeptidase b	no	yes	LdBPK_090013400	oligopeptidase b
LdBPK_181350.1	715	92595	heat shock protein, putative	no	yes	LdBPK_180018900	heat shock protein 110, putative
LdBPK_365870.1	712	126694	isoleucyl-tRNA synthetase, putative	no	yes	LdBPK_360066500	isoleucyl-tRNA synthetase, putative

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v1 ID	Score	Mass	v1 gene product	SignalP	Exosomes	v2 ID	v2 gene product
LdBPK_180670.1	644	77642	hypothetical protein, conserved	no	yes	LdBPK_180011800	HEAT repeats, putative
LdBPK_362140.1	592	59647	chaperonin HSP60, mitochondrial precursor	no	yes	LdBPK_360027400	chaperonin HSP60, mitochondrial precursor
LdBPK_261220.1	585	70850	heat shock protein 70-related protein	no	yes	LdBPK_260017500	heat-shock protein hsp70, putative
LdBPK_281850.1	578	108378	proteasome regulatory non-ATP-ase subunit 2, putative	no	yes	LdBPK_280023700	proteasome regulatory non-ATP-ase subunit 2, putative
LdBPK_290790.1	537	86902	lipophosphoglycan biosynthetic protein, putative	yes	no	LdBPK_290012400	heat shock protein 90, putative
LdBPK_281310.1	498	71957	glucose-regulated protein 78, putative	yes	no	LdBPK_280017700	heat-shock protein hsp70, putative
LdBPK_321000.1	475	102138	hypothetical protein, conserved	no	yes	LdBPK_320015100	Staphylococcal nuclease homologue/Tudor domain containing protein, putative
LdBPK_291330.1	458	80059	hypothetical protein, unknown function	no	yes	LdBPK_290018200	Hsp70 protein/TPR repeat/Tetratricopeptide repeat, putative
LdBPK_366960.1	439	60979	2,3-bisphosphoglycerate independent	no	yes	LdBPK_360079000	2,3-bisphosphoglycerate independent
LdBPK_091020.1	420	51622	phosphoglycerate mutase elongation factor-1 gamma	no	yes	LdBPK_090015600	phosphoglycerate mutase elongation factor-1 gamma

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v1 ID	Score	Mass	v1 gene product	SignalP	Exosomes	v2 ID	v2 gene product
LdBPK_210880.1	403	251023	hypothetical protein, conserved	no	yes	LdBPK_210013800	CCR4-NOT transcription complex subunit 1 TTP binding domain/CCR4-NOT transcription complex subunit 1 CAF1-binding domain/Domain of unknown function (DUF3819)/CCR4-Not complex component, Not1, putative
LdBPK_010790.1	398	45356	eukaryotic initiation factor 4a, putative	no	yes	LdBPK_010012800	eukaryotic initiation factor 4a, putative
LdBPK_362130.1	396	60859	chaperonin HSP60, mitochondrial precursor	no	yes	LdBPK_360027300	chaperonin HSP60, mitochondrial precursor
LdBPK_081020.1	386	62770	stress-induced protein sti1	no	yes	LdBPK_080016400	stress-induced protein sti1
LdBPK_353150.1	375	100128	ATP-dependent RNA helicase, putative	no	yes	LdBPK_350036600	ATP-dependent RNA helicase, putative
LdBPK_211330.1	373	60225	T-complex protein 1, delta subunit, putative	no	yes	LdBPK_210018500	T-complex protein 1, delta subunit, putative
LdBPK_353900.1	342	62296	T-complex protein 1, eta subunit, putative	no	yes	LdBPK_350044300	T-complex protein 1, eta subunit, putative
LdBPK_130090.1	332	57615	carboxypeptidase, putative	no	yes	LdBPK_130005800	carboxypeptidase, putative
LdBPK_242150.1	306	72575	transketolase	no	yes	LdBPK_240027000	transketolase
LdBPK_110640.1	300	36477	aminopeptidase, putative	no	yes	LdBPK_110011900	aminopeptidase, putative
LdBPK_353280.1	287	45068	cystathione gamma lyase, putative	no	yes	LdBPK_350038000	cystathione gamma lyase, putative
LdBPK_332670.1	252	57440	carboxypeptidase, putative	no	yes	LdBPK_330034900	carboxypeptidase, putative
LdBPK_364030.1	252	70980	glycyl tRNA synthetase, putative	no	yes	LdBPK_360047600	glycyl tRNA synthetase, putative

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v1 ID	Score	Mass	v1 gene product	SignalP	Exosomes	v2 ID	v2 gene product
LdBPK_367240.1	251	58671	chaperonin, putative	no	yes	LdBPK_360081800	T-complex protein 1, theta subunit, putative
LdBPK_071020.1	223	42353	splicing factor ptrl1-like protein	no	yes	LdBPK_070014900	splicing factor ptrl1-like protein
LdBPK_231460.1	223	60848	T-complex protein 1, gamma subunit, putative	no	yes	LdBPK_230020700	T-complex protein 1, gamma subunit, putative
LdBPK_120490.1	206	67253	glucose-6-phosphate isomerase	no	yes	LdBPK_120010600	glucose-6-phosphate isomerase
LdBPK_050350.1	206	53530	trypanothione reductase	no	yes	LdBPK_050008500	trypanothione reductase
LdBPK_342440.1	195	53848	ATP-dependent DNA helicase, putative	no	yes	LdBPK_340031800	ruvB-like DNA helicase, putative
LdBPK_351420.1	194	90515	threonyl-tRNA synthetase, putative	no	yes	LdBPK_350019300	threonyl-tRNA synthetase, putative
LdBPK_367280.1	187	52781	protein disulfide isomerase	yes	no	LdBPK_360082200	protein disulfide isomerase 2
LdBPK_312210.1	184	31778	prostaglandin f2-alpha synthase/D-arabinose dehydrogenase	no	yes	LdBPK_310030900	prostaglandin f2-alpha synthase/D-arabinose dehydrogenase
LdBPK_332700.1	176	56614	aminopeptidase, putative	no	yes	LdBPK_330035200	metallo-peptidase, Clan MF, Family M17
LdBPK_091070.1	173	67608	hypothetical protein, conserved	yes	no	LdBPK_090016500	Present in the outer mitochondrial membrane proteome 10
LdBPK_190150.1	164	43016	aminopeptidase, putative	no	yes	LdBPK_190007200	metallo-peptidase, Clan MG, Family M24
LdBPK_353390.1	156	52423	6-phosphogluconate dehydrogenase, decarboxylating, putative	no	yes	LdBPK_350039100	6-phosphogluconate dehydrogenase, decarboxylating, putative
LdBPK_342410.1	151	22663	hypothetical protein, conserved	no	yes	LdBPK_340031500	Alba, putative

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v1 ID	Score	Mass	v1 gene product	SignalP	Exosomes	v2 ID	v2 gene product
LdBPK_020340.1	149	59366	proteasome regulatory non-ATPase subunit 6, putative	no	yes	LdBPK_020009000	proteasome regulatory non-ATPase subunit 6, putative
LdBPK_352400.1	138	54431	aminopeptidase P, putative	no	yes	LdBPK_350029100	aminopeptidase P, putative
LdBPK_250780.1	130	45740	protein phosphatase, putative	no	yes	LdBPK_250013200	protein phosphatase, putative
LdBPK_321910.1	127	21742	iron superoxide dismutase, putative	no	yes	LdBPK_320024000	iron superoxide dismutase, putative
LdBPK_250940.1	113	19147	cyclophilin a	no	yes	LdBPK_250014800	cyclophilin type peptidyl-prolyl cis-trans isomerase
LdBPK_111160.1	113	83433	eukaryotic release factor 3, putative	no	yes	LdBPK_110017600	eukaryotic release factor 3, putative
LdBPK_251790.1	109	38482	pyruvate dehydrogenase E1 beta subunit, putative	yes	no	LdBPK_250023600	pyruvate dehydrogenase E1 beta subunit, putative
LdBPK_282970.1	108	34864	activated protein kinase c receptor (LACK)	no	yes	LdBPK_280034700	receptor for activated C kinase 1
LdBPK_323110.1	103	16728	nucleoside diphosphate kinase b	no	yes	LdBPK_320036600	nucleoside diphosphate kinase b
LdBPK_030500.1	612	99373	hypothetical protein, conserved	no	yes	LdBPK_030010000	RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain), putative
LdBPK_141540.1	115	82868	hypothetical protein, conserved	no	no	LdBPK_140021000	C2 domain containing protein, putative
LdBPK_311930.1	110	14958	ubiquitin-fusion protein	no	no	LdBPK_360044200	polyubiquitin, putative
LdBPK_332400.1	702	33423	hypothetical protein, conserved	no	no	LdBPK_330032100	hypothetical protein, conserved