

Table S2. Peptide list for all proteins matched to mass spectra from the *T. cruzi* contractile vacuole data set. Included here are all proteins with above a 1% false discovery rate and a total protein probability > 0.95. Data for each protein were collated from TcruziDB.org and GenBank. If annotated descriptions of gene products differ from the specific name used in the text, the annotated protein name is given in parenthesis.

Tc#	Protein Accession	Name	SCORE	Spectra	# of Peptides	% Coverage	Peptide	Peptide Score							
Tc00.1047053510101.140	EAN99374.1	pyruvate phosphate dikinase, putative	2332	384	44	49	CCVSGCGDLVIK +3 Carbamidomethyl (C)	69							
							ELLG GK	38							
							ELTEEYL VLFQR	43							
							FDTDLTAK	48							
							FVYDSYR	48							
							FVYDSYRR	28							
							GDFETILEWCR +Carbamidomethyl (C)	52							
							GDFLGIFR	28							
							GILTAR	15							
							GLAASPGAAVGQIVFDADSAK	130							
							GLIYAGQLK	36							
							DDAGSFLR	49							
							GLPQEVVEQVK	73							
							GLPVTIR	21							
							GTKFDTLTAK	53							
							HYCSLGIYSK +Carbamidomethyl (C)	55							
							IAVQK	18							
							IDAIR	17							
							IDPLQVDHLMHPNIEPGA AK	23							
							KFVYYFGGQK	54							
							LETSPEDLAGMDAAR	97							
							LLCEIR +Carbamidomethyl (C)	20							
							DLKELTEEYL VLFQR	85							
							LLDPPLHEFVPHEDAAQAE LAK	55							
							LQSPDLK	30							
							MGICGEHGGDPTTIGFCHK +2 Carbamidomethyl (C)	28							
							QFTLSGR	29							
							SATGVAFSR	34							
							SFGAEGVGLCR +Carbamidomethyl (C)	75							
							SPSTGENFFFGEYLVNAQGEDVVAGIR	129							
							TAEETLAAAGQR	87							
							TEHMFEGSR	34							
							TKGLPQEVVEQVK	55							
							DPFESIDQEGV GELMR	97							
							TPQQIGQSLSLR	88							
							VDYIVGTMIEVPR	55							
							VGLNYVSCSPFR +Carbamidomethyl (C)	79							
							VIPEIMPLVGK	81							
							VPVATVAAAHAALK	109							
							EDFEEAIGHMK	29							
							EELTFTK	26							
							EGDYITLDGSK	66							
							EGLITK	30							
							EGLITKEEAVLR	16							
							Tc00.1047053506297.190	EAN98352.1	pyruvate phosphate dikinase, putative	2245	382	43	48	CCVSGCGDLVIK +3 Carbamidomethyl (C)	69
														ELLG GK	38

					ELTEEYLVLVQR	43
					FDTDLTAK	48
					FVYDSYR	48
					FVYDSYRR	28
					GDFETILEWCR +Carbamidomethyl (C)	52
					GDFLGIFR	28
					GILTAR	15
					GLAASPGAAVQIVFDADSAK	130
					GLIYAGQLK	36
					DDAGSFLR	49
					GLPQEVVEQVK	73
					GLPVTIR	21
					GTKFDTDLTAK	53
					HYCSLGIYSK +Carbamidomethyl (C)	55
					IAVQK	18
					IDAIR	17
					IDPLQVDHLMHPNIEPAAK	23
					KFVYFYGQK	54
					LETSPEDLAGMDAAR	97
					LLCEIR +Carbamidomethyl (C)	20
					DLKELTEEYLVLVQR	85
					LLDPPLEHFVPHEDAAQELAK	55
					LQSPDLK	30
					MGICGEHGGDPTTIGFCHK +2 Carbamidomethyl (C)	28
					QFTLSGR	29
					SATGVAFSR	34
					SFGAEGVGLCR +Carbamidomethyl (C)	75
					SPSTGENFFFFGEYLVNAQGEDVVAGIR	129
					TAEETLAAAGQR	87
					TEHMFEGSR	34
					TKGLPQEVVEQVK	55
					DPFESIDQEGVGLVLR	91
					TPQQIQQLSLR	88
					VDYIVGTMIEVPR	55
					VGLNYVSCSPFR +Carbamidomethyl (C)	79
					VPVATVAAAHAALK	109
					EDFEEAIGHMK	29
					EELTFTK	26
					EGDYITLDGSK	66
					EGLITK	30
					EGLITKEEAVLR	16
Tc00.1047053507029.30	EAN84370.1	heat shock 70 kDa protein, mitochondrial precursor, putative	1408	80	21	36
					DAAVDLK	46
					QFFGR	22
					QLTEWK	19
					QYSPSQVGAFVLEK	93
					SQTFSTAADNQTQVGIK	98
					STGIDLSNER	58
					TLLAELR	23
					TQNITITASGGLSK	94
					TTPSVVAFK	16
					VIEAVK	42
					VLENTEGFR	66
					DAGTIAGLNVIR	102
					VSNAAVTCPAYFNDAQR +Carbamidomethyl (C)	92
					VVNEPTAAALAYGLDK	108

					ELVEVR	23		
					ETAENFLGR	46		
					FEDSNIQHDIK	52		
					GLVLLDVTPLSLGIETLGGVFTR	97		
					GVNPDEAVALGAATLGGVLR	126		
					KVSNNAVTCPAYFNDAQR +Carbamidomethyl (C)	99		
					QAITNPQSTFFAVK	86		
Tc00.1047053507641.290	EAN97657.1	chaperonin HSP60, mitochondrial precursor	1186	61	17	42	AAVQEGIVPGGGVALLR	95
					KVTSTENIVQVATISANGDEELGR	60		
					LPAHTIVLNAGK	71		
					LVGEEGSGLEDAENFDPAILGTVK	112		
					NVIEQSYGAPK	79		
					TGVQIIR	30		
					TNDLAGDGTTSAVLVASFSESLR	157		
					VELLR	19		
					VLENNDVTVGYDAQR	91		
					AELEDAFVLVSAK	34		
					AIEFK	19		
					ALDSLLGDSSLTADQR	101		
					AVGVILQSVAEQSR	81		
					AVSAVATTLGPK	88		
					DGVITTDQDK	19		
					GLIDGETSDYNR	67		
					GYISPYFVTDK	63		
Tc00.1047053506839.30	EAN90344.1	hypothetical protein, conserved	857	24	15	17	AAFFISPILR	47
					ITFFDLSETSVTSR	105		
					ITPTVEEVEIR	53		
					IVLDK	25		
					LDEVDDDTQFK	48		
					NTHIVSLDLSHNR	22		
					VIAFPNNITSR	59		
					DALYLYEDPSK	51		
					DLVYR	19		
					DNTNLELNLGNCGFQDK +Carbamidomethyl (C)	65		
					DSQVPFTDSACQLLCASLVK +2 Carbamidomethyl (C)	88		
					GVELLAELR	85		
					IDANENIPEVVLK	65		
					IGNFSAQNLTKTLFEK	24		
					INDEAALSLLNTIR	101		
Tc00.1047053506585.40	EAN87966.1	glucose-regulated protein 78, putative	779	52	12	25	DAGTIAGLNVVR	88
					NSLESVAYSLR	83		
					VEVDSLTEGDFSEK	100		
					VQQLIR	29		
					EIAETYLGEK	31		
					FELSGIPPAPR	35		
					GINPDEAVAYGAAVQAAVLTGESEVGGGR	127		
					IINEPTAAAAYGLNK	103		
					ITPSVVAFTETER	94		
					LLSYEVVADKDGKPK	16		
					LQSVTNPIQK	58		
					NQLPQNPHNTIYAIK	15		
Tc00.1047053511215.119	EAN92318.1	69 kDa paraflagellar rod protein, putative	647	27	10	25	AQELLSVVEGGTK	99
					VCGLQLSVR +Carbamidomethyl (C)	65		
					AQLAAIEK	35		
					AQLEHLVELVADK	98		

					AQVEEELEMLKDK	30		
					EASGAVGPADQQQPAVPEVTDVTLAAR	55		
					IIGQTEENKPFGR	66		
					KVEYQQFLDVCGQHK +Carbamidomethyl (C)	57		
					TSCLSNEEFIQDLHVSDWSETQK +Carbamidomethyl (C)	49		
					TVSFTGTIDNAIAK	93		
Tc00.1047053506247.220	EAN98485.1	histidine ammonia-lyase, putative	645	31	10	27	ALDMLAIGVHELGNISER	79
							VILDGCSLTPDVLYALGYEK +Carbamidomethyl (C)	85
							ATNSTLNPDIHR	64
							EGLALINGTQFISALGAEAVVR	100
							ELGVEPITLAAK	41
							FESTIIPPHQLEELQLNLR	58
							GATIEISDEAVAR	79
							QTVYGINTGFGK	91
							SGAVWK	22
							SVSPPWEEDR	26
Tc00.1047053510215.10	EAN81600.1	NADH-dependent fumarate reductase, putative	628	42	10	11	AKEVADEVLR	35
							VVAEAVAFSR	82
							FVNELDLR	49
							GVFDPATGPIIEALR	66
							LGGNSLLECVVFR +Carbamidomethyl (C)	65
							LYTSIFDWK	62
							NTLGDYEQLSK	71
							RPIFGLFGAGEVTGGVHGGNR	82
							SGLGGSTDPGLVR	50
							SGLQLGQFIAIR	66
Tc00.1047053508741.229	EAN99221.1	hypothetical protein, conserved	624	42	11	48	ATLEPSTCNVNLASYLFQGHK +Carbamidomethyl (C)	48
							YAYAGYALAVR	65
							YAYAGYALAVRTNKLR	20
							GQGWTGTLGFETACVLFK +Carbamidomethyl (C)	100
							LFVNPMATSDGK	62
							LVDNWTAAVTLDK	85
							NKEWAVVYIAK	37
							NLKPGVLLTHS	39
							NYDLTLGCR +Carbamidomethyl (C)	59
							SLTLYK	25
							SYTTSFATPIPK	84
Tc00.1047053505763.19	EAN82405.1	P-type H ⁺ -ATPase, putative	559	18	8	15	ADVGIAVQGATDAAR	93
							DGAWQQQLDAALLVPGDLVK	97
							FSVTK	19
							GEVDGTVQYTGQNTFFGK	92
							GLTTAEAEELLAK	73
							SVLVLAALAAK	90
							TNEKFSVTK	20
							VDVNDLPDDLGEK	75
Tc00.1047053508737.210	EAN95832.1	hypothetical protein, conserved	556	36	10	43	ATLEPSTCNVNLASYLCQGHK +2 Carbamidomethyl (C)	64
							YAYAGYALAVRTNKLR	20
							GQGWTGTLGFETACVLFK +Carbamidomethyl (C)	100
							LFVNPMATSDGK	62
							LVDNWTAAVTLDK	85
							NKEWAVVYIAK	37
							NLKPGVLLTHS	39
							NYDLTLGCR +Carbamidomethyl (C)	59
							SLTLYK	25
							YAYAGYALAVR	65

Tc00.1047053509445.39	EAN82723.1	glutamate dehydrogenase, putative	536	43	11	28	ALLLK WQPFVNPQPK YQELLTR AVQLFTGGLSDSSYGLCYTEDEVTHVK +Carbamidomethyl (C) FKGSVGPVFTLVDGK GFLCAK +Carbamidomethyl (C) GSVGPVFTLVDGK GYTTDDGTTSVYTAK LGETDIK LNSLR QLASHVFLEQR	25 54 43 103 50 19 63 76 24 24 55
Tc00.1047053506943.50	EAN90286.1	glyceraldehyde 3-phosphate dehydrogenase, putative	518	19	9	36	AAAVNIIPSTTGAAG AVGMVIPSTQGK GILGYTDEELVSADFINDNR IVSWYDNEWGYSHR KVVISAPASGGAK LGV EYVIESTGLFTAK TVDGVSVK VPTPDVSVVDTLFTAAR VVDLVR	80 41 98 21 54 87 20 92 45
Tc00.1047053505843.10	EAN84271.1	glutamate dehydrogenase, putative	508	44	11	46	ANILASDVFK YILFHYTPK YVKDIIDR DIIDR ENTPEFYK ENTPEFYKK GGVTSSSLEVYSGLALLDEEHEK IIVEGANLFISQDAR LALER REFEAIWR TLISDTLSEK	59 55 39 28 36 26 51 96 21 32 65
Tc00.1047053511903.40	EAN96072.1	hypothetical protein, conserved	493	27	9	23	ADKDFSSLLSR HACLGGVYALK +Carbamidomethyl (C) IGFLGLGTESSDNSAGSIIVR INVAAALEKPVNLTR LILNYDVPAR VALKDWCDWTGNDWK +Carbamidomethyl (C) VPQLVELDTK VSNVVGESFR YFEELCSK +Carbamidomethyl (C)	36 52 123 57 59 45 52 45 24
Tc00.1047053503849.60	EAN88381.1	NADH-dependent fumarate reductase, putative	482	21	7	12	FAFCVLNDAAVR +Carbamidomethyl (C) FVNELDLR LGGNSLLECVVFGFR +Carbamidomethyl (C) NTLGDYEQLSK RPIFGLFGAGEVTGGVHGGR SGLGGSTDPGLVR VYGVEVLQDEGVASR	61 49 65 71 82 50 104
Tc00.1047053411235.9	EAN81053.1	alpha tubulin, putative	482	42	6	16	AVFLDLEPTVVDEIR DVNAAVATIK FDGALNVDLTFEQTNLVPYPR LIGQVVSALTASLR RTIQFVDWSPTGFK TIQFVDWSPTGFK	97 60 124 113 17 71
Tc00.1047053509237.130	EAN92788.1	cytoskeleton-associated protein CAP5.5, putative	479	13	7	13	FEPSEGPYFVLP GYGGVNELLGK	79 39

						SDVFAQALSEEYR	78
						TVLLDDFLPTVNEVPCFAR +Carbamidomethyl (C)	62
						VLLDDPSELWVSLQK	74
						VLVVVEDAAEVIRPLQK	49
						YLEAGNIVLLNTPAGK	98
Tc00.1047053507547.90	EAN88964.1	glycosomal phosphoenolpyruvate carboxykinase, putative	468	20	8	19 AIGNLNP	21
						FGAVAENCVLDKR +Carbamidomethyl (C)	46
						HATFYGEQLAEK	80
						IVDTDDVRENVWDGK	21
						NLIGDDEHVWTDK	55
						NLLSPELVQWALK	84
						TGEIDFYDESICK +Carbamidomethyl (C)	76
						VWLLNTGYAGGR	85
Tc00.1047053510943.50	EAN95227.1	delta-1-pyrroline-5-carboxylate dehydrogenase, putative	465	14	7	16 ASGSNDKPGSPLFLTR	53
						DLAGVAFVGSTK	93
						ESVTDCPIVIGGK +Carbamidomethyl (C)	48
						GAFFEQGQK	50
						SSPSTYSVIAGGGYDK	91
						YAAGNYYINDK	54
						YALTSIFAQDR	76
Tc00.1047053509129.10	EAN81235.1	hypothetical protein, conserved	455	30	8	36 DYDLTLGCR : Carbamidomethyl (C8)	49
						GQGWGTGLGFETACVLFK : Carbamidomethyl (C14)	100
						LFVNPMTSDGK	62
						LVDNWTAAVTLDK	85
						NKEWAVVYIAK	37
						NLKPGLLTHS	39
						SLTLYK	25
						SYTTSFVTPIPK	48
Tc00.1047053504087.20	EAN86342.1	hypothetical protein	450	15	8	4 ASTTAGVFLPFR	66
						ELADACPDVGLLVESWK +Carbamidomethyl (C)	40
						LSPLGLCEAEASAR +Carbamidomethyl (C)	90
						RPTFVVYR	47
						SAGLALHPLLLYSESVLIPQR	45
						SITGPVLGADR	28
						SYGFPTSSLIVSSK	49
						VFQSSIAIPWSAGK	85
Tc00.1047053508535.10	EAN85469.1	NADH-dependent fumarate reductase, putative	448	15	8	9 GLEHTVPYTLR	30
						LGGNSLLECVVFR +Carbamidomethyl (C)	65
						SCGGILIER +Carbamidomethyl (C)	43
						SDAESTLTEEEVER	23
						SGLGGSTVPSLVR	48
						SGLYLGGQFIAIR	49
						SLLPEVESELAQVSIK	91
						SVVSNAIIEQGDEYPYSGGSK	99
Tc00.1047053511277.290	EAO00045.1	aconitase, putative	441	10	7	11 IHPLTAANYLASPPLVAYALSGR	68
						LVGEGQTGPFTIYFPTNEK	95
						NCDEFDITSK +Carbamidomethyl (C)	44
						VDIDFNEEPIAK	66
						VVIAESFER	66
						YETLPFSIR	20
						YQENIPLVIIAGK	82
Tc00.1047053506211.160	EAN97607.1	ADP,ATP carrier protein 1, mitochondrial precursor, putative	435	21	8	30 GAGANILR	18
						GIAGAGVLSGVDALKPIYVR	98
						GNLSNVLK	16
						LGFFEEFMVGGVAAGVSK	112

						LLVQNGGEMIK	47
						TEGLYSLWR	49
						TVAAPIER	18
						YFPTQALNFAFK	77
Tc00.1047053509683.10	EAN93482.1	hypothetical protein	432	14	8	4 ASSTAGVLFPLFR	48
						ELADACPDVGVLLVESWK +Carbamidomethyl (C)	40
						LSPLGLCEAEEASAR +Carbamidomethyl (C)	90
						RPTFVVYR	47
						SAGLALHPLLLYSESVLIPQR	45
						SITGPVLGADR	28
						SYGFPTSSLIVSSK	49
						VFQSSAIPWSAGK	85
Tc00.1047053508555.60	EAN87963.1	cytoskeleton-associated protein CAP5.5, putative	418	12	6	10 ATPPEEVLER	50
						FEPSEGPYFVLPR	79
						GYGGVNELLGK	39
						SDVFAQALSEEYR	78
						VLDDPSELWVSLQK	74
						YLEAGNIVLLNTPAGK	98
Tc00.1047053509617.20	EAN87979.1	paraflagellar rod protein 3, putative	418	25	6	12 CTGLVEELVSEGCAAVK +2 Carbamidomethyl (C)	79
						SQLDATQLAQVPTR	96
						TQLAQLEK	39
						VLQDLK	25
						VVSFTQMIDNIAIK	107
						WNLTEAYDLAK	72
Tc00.1047053510149.80	EAN92058.1	ABC transporter, putative	415	11	9	7 DALIDHLSPEHLR	28
						DGALCVRDR	15
						LLDALGLTSQK	36
						LYAGLR	20
						SAQASLSHYGDLLVAGK	56
						TSSSTEGEECVLEGVVGR +Carbamidomethyl (C)	97
						TTAVGILAGEVVPTSGSAYINHLSVLR	44
						VFPTVAEAEK	33
						YIALALTSAQGK	86
Tc00.1047053506337.70	EAN93176.1	2-oxoglutarate dehydrogenase E1 component, putative	397	6	6	9 EQLQPVLDALK	17
						FGADGAESLVVGLR	46
						FLQAVAEDVDTPAYSPAER	122
						KPLILFFSK	51
						LDLASFGFTPDDYNR	78
						YSGELIASGVITPQQQTAK	83
Tc00.1047053509351.10	EAN81376.1	delta-1-pyrroline-5-carboxylate dehydrogenase, putative	396	9	6	29 ASGSNDKPGSPLFLTR	53
						GAFEFQGQK	50
						SSPSTYSVIAGGGCYK +Carbamidomethyl (C)	87
						TEGWVQPTIIESK	76
						YAAGNYYINDK	54
						YALTSIFAQDR	76
Tc00.1047053506491.20	EAN86336.1	myosin heavy chain, putative	391	20	8	2 ALEGENAALAALLAAK	82
						EADNEKLAEELAQR	57
						EAVIEGAEADASK	41
						GSLQEVQGALR	71
						LAEDLAQR	43
						LAEELAQR	48
						LTEELAQR	29
						NDEINRLK	20
Tc00.1047053504153.310	EAN99073.1	heat shock protein, putative	387	18	6	10 ALLYVPQSHTK	66
						EELAENLGTIAGSGSK	96

						FIQEYGPFLK	59
						GAVDSESIPLNVS	72
						SDIDYPLVSLEEYR	68
						YNFHFNPK	26
Tc00.1047053511909.40	EAN87573.1	succinate dehydrogenase flavoprotein, putative	386	8	6	13 AFGGQSIHFGGK	52
						AITLEVLAGR	21
						LGANSLLDIVVFGK	93
						NLLTNALLTITGAAVR	96
						SKYTILATGGYGR	21
						SPVWNSNLIEALELR	103
Tc00.1047053507089.270	EAN96941.1	dihydropolyl dehydrogenase, putative	385	13	7	21 CAPTLEDVDTNALVGALAK +Carbamidomethyl (C)	53
						GEGSFETAHSIR	65
						GLTGGVEYLFK	43
						GTLGGTCLNVGCIPSK +2 Carbamidomethyl (C)	68
						RPFTGGLGLDK	51
						TIIATGSEPTLPFLPFDEK	77
						VVLSSTGALALPR	28
Tc00.1047053511289.70	EAN90413.1	ADP,ATP carrier protein 1, mitochondrial precursor, putative	362	19	8	29 GAGANILR	18
						GNLSNVLR	16
						LDRPYTGVTDVCFVHTMK +Carbamidomethyl (C)	25
						LGFFEEFMVGGVAAGVSK	112
						LLVQNQGEMIK	47
						TEGLYSLWR	49
						TVAAPIER	18
						YFPTQALNFAFK	77
Tc00.1047053509551.30	EAN92689.1	mitochondrial phosphate transporter, putative	361	13	7	23 DLYANLAGEQAAK	32
						GIFSGFK	34
						SGFPFK	17
						STLGLGTSGGTGK	73
						STLGLGTSGGTGKK	29
						VQTSPSGTFPTAFGAALAAMR	135
						VVLSSEDGCGSK +Carbamidomethyl (C)	41
Tc00.1047053509999.90	EAN93060.1	carnitine/choline acetyltransferase, putative	359	12	5	13 APLPVNTNPAILK	55
						LDTFLAGSAVTLQNALVEANK	125
						NAGETQPSVAASIVYGIK	84
						TSILPLKPADTVK	27
						WVGDLVLSIESK	68
Tc00.1047053510837.20	EAN82710.1	glutamamyl carboxypeptidase, putative	349	31	6	21 AEFEDAIEVITPR	48
						ANLWATLPGDGGVTK	64
						DETPSFEGSEEPITK	81
						GGIILSGHTDVVPVVGQK	33
						LVAFDTTSR	51
						NSNLELIHYCK +Carbamidomethyl (C)	72
Tc00.1047053507689.30	EAN85497.1	glutamamyl carboxypeptidase, putative	348	31	6	21 AEFEDAIEVITPR	48
						ANLWATLPGDGGVTK	64
						DETPSFEGSEEPFTK	80
						GGIILSGHTDVVPVVGQK	33
						LVAFDTTSR	51
						NSNLELIHYCK +Carbamidomethyl (C)	72
Tc00.1047053508153.340	EAO00202.1	6-phospho-1-fructokinase, putative	343	6	5	12 EITVGLQDDVR	48
						ELEAISLVR	73
						SHAAPLNEVTQEDLK	80
						TIDNLSFSHR	66
						YGGTILGSSR	76
Tc00.1047053509499.14	EAN84888.1	tryparedoxin peroxidase, putative	342	10	6	26 DYGVLIIEEQGISLR	80

						GLFIIDDK	46
						HITVNDLPVGR	56
						IQDISLNDYK	68
						TATVR	15
						VVQAFQYVDK	77
Tc00.1047053503899.119	EAN90957.1	trypanothione/tryparedoxin dependent peroxidase 2, putative	323	14	6	31 ATIPGLFGTK	46
						FSPGASVEDIEK	52
						FSPGASVEDIEKK	66
						GGYETATLYNK	67
						GHPLLIYNVASR	63
						KLLPLLGGAR	29
Tc00.1047053509961.70	EAN90957.1	dispersed gene family protein 1 (DGF-1, pseudogene), putative	323	10	8	3 ASLYVVGWR	19
						DGDCFAPLTTAVSDCK +2 Carbamidomethyl (C)	68
						ESPSDAFAYAYPR	46
						EVSYDGVFPEK	28
						HCVLVGDVQLR +Carbamidomethyl (C)	34
						SAGIIGK	23
						VVASEGAVLR	37
						YGPALVDGVR	68
Tc00.1047053509585.10	EAN84848.1	dynein heavy chain, putative	321	6	5	2 AKPLVEEALAALDTLTK	92
						DGILSMIFR	36
						EAGVQVAALQEVLQR	77
						LGFTYDNER	27
						YDALLFEVIGR	89
Tc00.1047053508209.120	EAN91214.1	10 kDa heat shock protein, putative	317	11	5	53 AGVLIPEQVAGK	58
						DWTPTVK	23
						TAAK	34
						VNDTVLLPEFGGSSVK	88
						VNEGTVVAVAAATK	114
Tc00.1047053510679.40	EAN85276.1	hypothetical protein	299	30	4	13 FADANEENVPAQVNR	82
						HIDASLLSR	32
						IEVPLAEPPLYLWCR +Carbamidomethyl (C)	95
						SNSEEPDILFVPTLER	90
Tc00.1047053508209.100	EAN91212.1	10 kDa heat shock protein, putative	292	14	4	50 AGVLIPEQVAGK	58
						DWTPTVK	23
						VDDTVLLPEFGGSSVK	96
						VNEGTVVAVAAATK	114
Tc00.1047053507187.9	EAN82246.1	dispersed gene family protein 1 (DGF-1), putative	271	6	5	4 DGDCFAPLTTAVSDCK +2 Carbamidomethyl (C)	68
						ESPSDAFAYAYPR	46
						EVSYDGVFPEK	28
						GASCLPFGVPDTPVPLPER +Carbamidomethyl (C)	61
						YGPALVDGVR	68
Tc00.1047053508827.40	EAN92888.1	acyl-CoA dehydrogenase, putative	268	5	3	6 ELFESLLEEASK	80
						ISTLYEGTTGIQSLDFIGR	121
						SDVNKELFESLLEEASK	67
Tc00.1047053506249.70	EAN84815.1	ABC transporter, putative	267	6	4	9 FGSTSGIQFQELFR	75
						GSVAQFDAVEQNK	18
						ILCGLTGALPSR +Carbamidomethyl (C)	47
						ILLDEPTSGLDSVTSVK	127
Tc00.1047053506445.60	EAN91964.1	mitochondrial DNA topoisomerase II, putative	250	6	4	4 DNKVIDTNR	16
						IDIVNATDDSLAK	89
						LLDSVFDQSQEVWR	87
						LVPWAVGYQGEVR	58
Tc00.1047053508741.170	EAN99198.1	hypothetical protein, conserved	245	6	3	10 GTLTACNAGLALER : Carbamidomethyl (C6)	77
						LIGDVANPLVPGDGATAIFGPQK	109

Tc00.1047053509463.30	EAN85395.1	3-ketoacyl-CoA thiolase, putative	244	7	4	14	LLGDVVVICGR : Carbamidomethyl (C9) GSPLFIDKK IPVNTGGGLLAFGHVPVATGVK SIDDFTFPCLFAK +Carbamidomethyl (C) SLAAASGNLYEDPPDATR	58 36 42 55 111
Tc00.1047053510797.30	EAN85334.1	hypothetical protein, conserved	243	8	4	8	EGGVELEPAQELPTDAFTLLR LLELYDQR LVLICDYDEFTR +Carbamidomethyl (C) SIAADSPLNIALLEPEQVR	78 35 60 70
Tc00.1047053508177.10	EAN91138.1	hypothetical protein, conserved	239	5	4	7	FFVTGGNDR LALESVIGFGGR LVFAVNDAAHKR TGEVNSLSISTDGR	26 73 55 85
Tc00.1047053511441.10	EAN83138.1	calpain cysteine peptidase, putative	237	19	6	5	AFLDQKPEGVPLR EIAALEESMNAR EIAALEESMNARAQELAR ICELYPEGIRDVPVPEK +Carbamidomethyl (C) QLLEK SWYPLLEK	53 72 41 22 26 23
Tc00.1047053504949.30	EAN82006.1	succinate dehydrogenase, putative	234	17	5	32	EQFLGPAVLLQSYR FLNPAYASK NAAPKPETVFTAK PSAPLTGEVAR VPPPLDATIIKE	76 53 26 26 53
Tc00.1047053511531.50	EAN86006.1	glucosamine-6-phosphate isomerase, putative	231	4	4	19	AIAVAR IVISQDSDAVADYVASYIVDR SLNDETIASNAR TNFFDFVDIPEENR	21 116 46 48
Tc00.1047053506563.40	EAN94839.1	beta tubulin, putative	230	13	4	10	FPGQLNSDLR INVYFDEATGGR LAVNLVFPFR NSSYFIEWIPNNIK	46 67 50 67
Tc00.1047053507927.20	EAN87685.1	mitochondrial oligo_U binding protein TBRGG1, putative	227	5	5	9	AAPHLFVPEEPSLQLIQR AIDTVGFHTDEQVGEILES VAGYR CAALAEALAEQK +Carbamidomethyl (C) EFLEEFLGTVK SDETTWQELTNAVLSK	45 28 16 45 93
Tc00.1047053507009.10	EAN90052.1	Gim5A protein, putative	226	11	4	20	ALLPEDAEKK GVLNSGLTR LSLLLNALSSK NAGCDSLAEISLGNLSK +Carbamidomethyl (C)	40 20 60 106
Tc00.1047053509701.10	EAN81265.1	trifunctional enzyme alpha subunit, mitochondrial precursor-like protein, putative	226	11	3	7	AGAVNVVIPAEDR GGLLQYADHR LLASDGSVGLPECLLGVLPGAGGTVR +Carbamidomethyl (C)	65 50 111
Tc00.1047053510395.10	EAN81916.1	ATP synthase, alpha chain, mitochondrial precursor, putative	216	10	3	15	SPVNYNLLTGFK TSIAVSTIINQVR VDTGAPNIVSR	71 68 77
Tc00.1047053508737.100	EAN95823.1	ATP-dependent Clp protease subunit, heat shock protein 78, putative	214	7	5	9	ADSFLLTHDSVTASDIAQVIAR FQSVLVTPEPTVEETISVLR IAERQDEYDALEAR LVQSVLLNR TAIVEGLAQR	17 72 20 54 51
Tc00.1047053510003.20	EAN87164.1	hypothetical protein, conserved	211	18	5	3	GLQDAEALLR RPEELAVIR RPEELAVIRIEGDK	73 61 40

						VLVYQLAQK	20
						VLVYQLAQKYFPK	17
Tc00.1047053509777.130	EAN92382.1	hypothetical protein, conserved	210	6	3	7 DELYLPVR	27
						LSAFNDPCDAAADYPPK +Carbamidomethyl (C)	110
						SALFFTFPLGGYPER	73
Tc00.1047053509215.40	EAN86719.1	cyclophilin, putative	206	23	5	22 FPDEFAGR	63
						GVEVIEK	29
						HVVFQITK	41
						LPFYINPK	36
						QPILITDCGEVK +Carbamidomethyl (C)	37
Tc00.1047053511575.130	EAN91522.1	folate/pteridine transporter, putative	205	4	3	6 ASAAPAAAFVFLTSFTK	91
						ESLSAQEPVLK	52
						ICDNIDVDGR +Carbamidomethyl (C)	62
Tc00.1047053510773.20	EAN91609.1	vacuolar-type proton translocating pyrophosphatase 1, putative	204	12	3	4 AADVGADLVGK	65
						EITDALDAAAGNTTAAIGK	113
						NVYVISR	26
Tc00.1047053506577.120	EAN95037.1	sterol C-24 reductase, putative	197	5	4	9 AFPQLPWGHENPR	62
						GELFVDGWYR	29
						ISPEESYNLVVER	83
						LVPYK	23
Tc00.1047053508707.310	EAN98870.1	hypothetical protein, conserved	197	7	5	7 CVLEKPIEPSTPEIHDLK +Carbamidomethyl (C)	21
						NDWVAGEPK	41
						NVLTEGIPVR	34
						VLDLSINEIGGTVDFLSK	79
						YVPTLEDVGGK	22
Tc00.1047053508815.179	EAN93755.1	dynein heavy chain, putative	194	5	4	2 TMTQLSKTFK	19
						VNVVAVGPTGTGK	52
						YLEPIFSEEDIALQLPR	92
						YLPAGEIYEFINEDFR	31
Tc00.1047053508503.20	EAN86560.1	cytochrome c oxidase subunit V, putative	191	4	3	17 DADVLR	30
						GAASLLESYLR	74
						GADIPDHVFQTPAVIER	87
Tc00.1047053506275.20	EAN88322.1	hslvu complex proteolytic subunit-like, putative	188	7	4	20 AAVELAK	22
						ALIDVDGYDAEK	71
						KGDTVVLIGDR	30
						VGEFFPQLTR	66
Tc00.1047053509799.140	EAN92352.1	hypothetical protein, conserved	187	6	4	7 GQNNPLILNLR	43
						IIVAANELEIPAVQR	61
						TIAAK	34
						TVLSATLKPK	49
Tc00.1047053511389.150	EAN92450.1	thiolase protein-like protein, putative	182	5	4	12 GLAALPAFFK	48
						LGTAAVSGLLR	31
						LVAPATLSYGLAR	75
						NGETVEFVKDEYIQSDIEK	28
Tc00.1047053506223.80	EAN91087.1	ATP-dependent zinc metallopeptidase, putative	180	5	3	6 AYALELAER	21
						EAAPCVVFIDEIDAIGSR +Carbamidomethyl (C)	76
						TINQLLAELDGLSSK	83
Tc00.1047053508241.130	EAN91484.1	hypothetical protein, conserved	173	7	5	5 EIVELVSK	20
						ELSPGLAAFLR	62
						ILSKK	15
						KEELLHLPLDSIIR	17
						TPSEVLPGAGLLALK	59
Tc00.1047053506563.79	EAN88765.1	calpain-like cysteine peptidase (pseudogene), putative	167	11	3	20 GDEIVK	32
						GFDEGNLLFR	74
						VTFGEDCDIK +Carbamidomethyl (C)	61

Tc00.1047053509911.74	EAN91357.1	hypothetical protein, conserved	163	5	3	17 ADQQLQLLDK GEYTIPTADILR QCYVNVPAK +Carbamidomethyl (C)	70 52 41
Tc00.1047053511277.170	EAO00034.1	ATP-dependent zinc metallopeptidase, putative	163	3	2	8 ELADLTPGVSPATIATIVNEAALQSGIR SSAPAIVFIDEIDAIGSR	52 111
Tc00.1047053508231.40	EAN96755.1	hypothetical protein, conserved	161	11	3	11 FGQAIINCR +Carbamidomethyl (C) LVSLYSQNEETS SVAGLSR	67 78 16
Tc00.1047053507941.150	EAN90974.1	histone H4, putative	160	8	3	31 ILYGYA ISGVYDEV TVTAVDVVNALR	32 54 75
Tc00.1047053506563.170	EAN96755.1	calpain-like cysteine peptidase (pseudogene), putative	159	8	4	27 TAANEQEFR TAANEQEFRL VDDPEVGKEDDVGK VTGWTVDALR	58 63 22 16
Tc00.1047053508981.39	EAN84570.1	trifunctional enzyme alpha subunit, mitochondrial precursor-like protein	159	3	2	5 ACVAIIASAK +Carbamidomethyl (C) LLASDGSVGLPECLLVLPAGAGTVR +Carbamidomethyl (C)	48 111
Tc00.1047053506989.190	EAN96800.1	lipophosphoglycan biosynthetic protein, putative	157	5	3	5 AELEEHLGSLGTSGTKR HIYFLTGDVSK LGILEDANNR	41 49 67
Tc00.1047053511217.90	EAN96478.1	hypothetical protein, conserved	152	6	4	3 ENWVSLIQR GLPFITPLYTR IPPFGTIGIGER SVAEPIGTVEQVR	41 27 46 38
Tc00.1047053507501.10	EAN84826.1	retrotransposon hot spot (RHS) protein, putative	151	4	3	3 DILLILGSR DILLILGSRGVLASK GYIYDVAK	63 37 51
Tc00.1047053510533.210	EAN95652.1	hypothetical protein, conserved (pseudogene)	148	18	4	2 GLQEVSEQAEDLQR LEAKNTDKTK NLEELHK QLEELRAENEELR	88 20 15 25
Tc00.1047053506147.80	EAN95743.1	hypothetical protein, conserved	146	2	2	17 ALDEEIK VAFGAANDVVGEEGLNEASVR	21 125
Tc00.1047053506551.10	EAN81429.1	hypothetical protein, conserved	145	3	2	4 LLYGEWYTR TGEQFVEVLATGPQK	59 86
Tc00.1047053508999.250	EAN93121.1	calpain-like cysteine peptidase (pseudogene), putative	142	6	3	26 FVGDVTFESK NTGTWAFNNSR YYRRLIPPSAATF	60 63 19
Tc00.1047053511211.160	EAN95886.1	heat shock protein 70 (HSP70), putative	140	5	3	8 IINEPTAAAIYGLDK SINPDEAVYGAAVQAFILTGK TTPSYVAFTDTER	22 53 65
Tc00.1047053504147.70	EAN97979.1	hypothetical protein, conserved	139	4	3	24 EANIEQGVAFK VLTGELHFK YVAEEAVNANWKPADVKK	74 30 35
Tc00.1047053507093.260	EAN98703.1	ABC transporter, putative	136	6	2	3 LACIGYAGER +Carbamidomethyl (C) LSNVSFAYPTR	67 69
Tc00.1047053505945.20	EAN87195.1	ribonuclease mar1, putative	135	19	2	12 LPPDAHVFSK VANSANCVFVANR +Carbamidomethyl (C)	44 91
Tc00.1047053509203.40	EAN88868.1	glycosomal membrane protein, putative	132	4	3	11 ALAALDAVECR +Carbamidomethyl (C) SALINLTK SVFAK	80 29 23
Tc00.1047053503837.10	EAN84707.1	hypothetical protein, conserved	131	3	2	4 TGTEICEGAVADGNLDR +Carbamidomethyl (C) VQLVDDLFR	112 19
Tc00.1047053507711.200	EAN98015.1	hypothetical protein, conserved	131	3	3	2 CPLFVSGVDPR +Carbamidomethyl (C) ELFCVLSIPR +Carbamidomethyl (C)	30 40

Tc00.1047053510353.30	EAN83974.1	paraflagellar rod component Par4, putative	128	3	2	VPVWTFITGGK	61
						5 EEVLQLETK	41
						ISLEGELQNTLVELEANQK	87
Tc00.1047053508723.70	EAN91302.1	hypothetical protein, conserved	127	4	3	2 ILYDPVAYALIAVAK	59
						LLGEGVFPEK	35
						LYFFENEASLIR	33
Tc00.1047053511003.190	EAN94197.1	hypothetical protein, conserved	126	6	3	11 GGVPIIFPQFGNR	38
						GPLPAHG FAR	31
						SAISLLDQAR	57
Tc00.1047053457251.10	EAN81369.1	3-oxo-5-alpha-steroid 4-dehydrogenase, putative	124	8	3	11 DLGPQVGYR	43
						ELESFVHK	27
						LFISLFAAHFVK	54
Tc00.1047053509797.40	EAN86703.1	isoleucyl-tRNA synthetase, putative	120	2	2	2 SVSGGGPLENFDEELNFSK	87
						YEPLFPYFK	33
Tc00.1047053506755.20	EAN96891.1	paraflagellar rod component, putative	118	2	2	7 DNLSALKPHQPPDLAR	46
						GVSGVINALNATQDAGEQLFQSVEK	72
Tc00.1047053508647.200	EAN96402.1	triosephosphate isomerase, putative	118	2	2	8 FQIAAQNATR	68
						LGADIAAQLR	50
Tc00.1047053506839.70	EAN90346.1	NADH dehydrogenase, putative	116	4	2	4 IQPALATLPNR	35
						LPLPTLAAVASR	81
Tc00.1047053506201.170	EAN91538.1	hypothetical protein, conserved	115	4	3	4 ELEEALVALSAEK	38
						LADELEQK	48
						LAELEQK	29
Tc00.1047053506977.60	EAN90032.1	hypothetical protein, conserved	112	1	1	15 TNHGTAAFNEGETAGPQ	112
Tc00.1047053507711.60	EAN98001.1	hypothetical protein, conserved	111	1	1	2 NIANEAFLENDLIR	111
Tc00.1047053509051.20	EAN84309.1	amastin, putative	111	3	2	13 ACNSPNYDWR +Carbamidomethyl (C)	55
						LSPGTCYTLWGTR +Carbamidomethyl (C)	56
Tc00.1047053503769.40	EAN84925.1	cytochrome c oxidase VII, putative	109	7	3	15 ARVPNLSAFSLKWIYSAK	17
						DAVDTV R	41
						VPNLSAFSLK	51
Tc00.1047053503793.10	EAN81565.1	2-oxoglutarate dehydrogenase subunit, putative	106	1	1	5 LEQLSPFPWEQVADVLEK	106
Tc00.1047053504069.80	EAN89661.1	ATP synthase F1 subunit gamma protein, putative	106	1	1	5 LVAVEGQLTNISTLK	106
Tc00.1047053509053.70	EAN91460.1	p22 protein precursor, putative	106	5	2	8 LALDDSEVGNR	87
						QWLYKGPK	19
Tc00.1047053503887.40	EAN85439.1	hypothetical protein, conserved	105	2	2	11 EKLEAAGVETDAQ	72
						LDAAGVETDA	33
Tc00.1047053508275.9	EAN82251.1	dynein heavy chain, putative	103	4	2	1 LQAEAEGIAAR	31
						VLTPIALLTNP K	72
Tc00.1047053504089.50	EAN90808.1	flagellar radial spoke component, putative	102	4	2	5 LLPDVT PQQLAGR	44
						WPGAVAF AAEGGK	58
Tc00.1047053508045.70	EAN92392.1	hypothetical protein, conserved	102	2	2	4 AAWSK	15
						LPLECILEVDSL R +Carbamidomethyl (C)	87
Tc00.1047053509233.180	EAN95983.1	ATPase beta subunit, putative	102	2	1	3 LADQAAEDTILTTGIK	102
Tc00.1047053509965.394	EAN98408.1	amastin, putative	98	3	2	15 GFETLAGR	26
						GYLDGGK	27
						LSCVTAWGVK : Carbamidomethyl (C3)	45
Tc00.1047053507047.150	EAN94531.1	hypothetical protein, conserved	97	3	3	7 EAYGQNWEEFLQLR	61
						LNRILSVDCER	15
						YYTWGPAQLK	21
Tc00.1047053509679.9	EAN81004.1	leucyl-tRNA synthetase, putative	97	3	2	10 AVGEGALPQEYTLVK	61
						LLCLEAAAQER +Carbamidomethyl (C)	36
Tc00.1047053506355.10	EAN92970.1	hexose transporter, putative	97	3	2	4 QSPIEVATPGNR	50
						WVYSDEECK +Carbamidomethyl (C)	47
Tc00.1047053506657.40	EAN87278.1	ADP/ATP translocase, putative	97	3	2	6 MTLTSTSVR	33
						QDGITAFWAGLR	64

Tc00.1047053503893.30	EAN93234.1	hypothetical protein, conserved	95	26	3	15 FQTSDSWTIEK QTVLQTLTSR SIYTY	34 40 21
Tc00.1047053511809.130	EAN91806.1	40S ribosomal protein S15, putative	95	1	1	11 GLEIDPLLALSEEEFK	95
Tc00.104705350973.170	EAN96827.1	transitional endoplasmic reticulum ATPase, putative	95	3	2	3 AAAPCVLFFDELDLSVAR +Carbamidomethyl (C) VAIIK	73 22
Tc00.1047053506587.70	EAN88974.1	hypothetical protein, conserved	95	6	2	9 EGFVTCDVR : Carbamidomethyl (C6) SGSYELSDLLGLK	34 62
Tc00.1047053511733.90	EAN88212.1	hypothetical protein, conserved	93	1	1	15 IPTGVSTSSSPSKDPVK	93
Tc00.1047053507053.180	EAN95853.1	hypothetical protein, conserved	92	2	2	4 DAGATIPQVIASFSSR SGTVHLLNAANGEIER	70 22
Tc00.1047053508547.160	EAN95112.1	hypothetical protein, conserved	92	4	3	5 DLESLSHDTQNTTEEHIK EALSSIEQTLR SCEESLWR +Carbamidomethyl (C)	27 50 15
Tc00.1047053509109.30	EAN94820.1	hypothetical protein, conserved	92	4	2	3 HSQLQLLAR YPLLAVPVVQELLR	19 73
Tc00.1047053503413.4	EAN83891.1	hypothetical protein, conserved	89	1	1	2 ALESSDPAGGEAPWQNSVR	89
Tc00.1047053511773.110	EAN89238.1	retrotransposon hot spot (RHS) protein, putative	89	2	1	2 YSAASSIVDILDGFSDR	89
Tc00.1047053508173.264	EAN96436.1	hypothetical protein, conserved	89	3	2	6 FLIFADAVSR VFPNHGFTSR	53 36
Tc00.1047053510855.10	EAN83377.1	peptide methionine sulfoxide reductase, putative	89	1	1	7 AFGDAQVVTSLK	89
Tc00.1047053506025.14	EAN86477.1	ribosomal protein S29, putative	88	4	2	31 ENAANIGFSK KYEINVCV +Carbamidomethyl (C)	48 40
Tc00.1047053510529.30	EAN84533.1	hypothetical protein, conserved	88	5	2	2 VANLQQLEQALK VVPGVDEDELLR	31 57
Tc00.1047053445777.10	EAN80690.1	retrotransposon hot spot (RHS) protein, putative	87	5	2	10 GYIYDVAK MGAVNDALLGIKPNDAEK	51 36
Tc00.1047053503815.10	EAN82998.1	alkyl-dihydroxyacetone phosphate synthase, putative	87	1	1	2 LQQPFINQTFLEELR	87
Tc00.1047053508719.30	EAN87059.1	hypothetical protein, conserved	87	5	3	13 AQKKAK HVPSSFLK SVGLTAALSPK	20 17 50
Tc00.1047053511151.90	EAN90136.1	glycerol-3-phosphate dehydrogenase, putative	87	2	1	2 TVLNAGGPFSEEVQK	87
Tc00.1047053506219.40	EAN82739.1	hypothetical protein, conserved	85	6	2	8 ILPESLVANK TAGHINHALLNSCLR +Carbamidomethyl (C)	46 39
Tc00.1047053511029.20	EAN81680.1	kinetoplast DNA-associated protein, putative	85	4	2	9 LSALK VSPYSIFLQELAR	23 62
Tc00.1047053509153.120	EAN93479.1	acyl-CoA dehydrogenase, putative	85	3	2	10 AFDFTRPPVAIGAVAVAQR GIVFEDVVIPEANVLGKPGDGFK	51 34
Tc00.1047053504103.20	EAN90017.1	hypothetical protein, conserved	80	1	1	1 ATAAQVAAVISFGR	80
Tc00.1047053509317.80	EAN87341.1	hypothetical protein, conserved	80	3	1	9 NWDYSQVNEGIWK	80
Tc00.1047053506893.100	EAN85988.1	hypothetical protein, conserved	80	1	1	5 TLIVLEGIDGVGK	80
Tc00.1047053509793.50	EAN85214.1	hypothetical protein, conserved	78	2	2	9 AQKKAK SVGLTAALSPR	20 58
Tc00.1047053506583.60	EAN84717.1	mitochondrial elongation factor G, putative	78	2	1	2 NATQELWETLLPK	78
Tc00.1047053506503.140	EAN95091.1	extracellular receptor, putative	75	2	2	4 ACSVLLGPGR +Carbamidomethyl (C) QDELFLLSREAVNVLAFLQGSFQPLVK	60 15
Tc00.1047053503571.19	EAN83327.1	hypothetical protein, conserved	74	1	1	1 LTDEQLVEVR	74
Tc00.1047053504125.50	EAN91369.1	mitochondrial carrier protein, putative	74	6	1	5 ALNNTGSATGVQK	74
Tc00.1047053511071.130	EAN92157.1	basal body component, putative	74	1	1	0.9 LSEVCEALEQER : Carbamidomethyl (C5)	74
Tc00.1047053506519.130	EAN91257.1	inosine-5'-monophosphate dehydrogenase, putative	74	3	1	2 IGVGPGSICTTR +Carbamidomethyl (C)	74
Tc00.1047053503959.10	EAN87033.1	hypothetical protein, conserved	73	1	1	3 LLVLDLPLVAPAFIAK	73
Tc00.1047053506445.110	EAN91969.1	nucleobase transporter, putative	71	1	1	2 ASLPQDYSGIR	71
Tc00.1047053511635.10	EAN83533.1	histone H2B, putative	71	4	1	12 IVNSFVNDLIFER	71
Tc00.1047053503999.30	EAN91585.1	hypothetical protein, conserved	70	4	2	2 LDELAATAK SSATIEEILRK	55 15

Tc00.1047053510155.70	EAN98261.1	heat shock protein 70 (HSP70), putative	70	2	2	2	NDIETLILHYK VTVRILGGKMK	52 18
Tc00.1047053433273.10	EAN80780.1	dynein heavy chain, putative	69	1	1	3	SLLDTWGILR	69
Tc00.1047053504153.250	EAN99067.1	hypothetical protein, conserved	69	2	1	3	STVNAIESVVEK	69
Tc00.1047053508153.1100	EAO00253.1	MP99, putative	66	2	1	1	AELIEQVPVFTR	66
Tc00.1047053503843.40	EAN84765.1	chaperone DnaJ protein, putative	65	1	1	2	LFLAALPQAIFFR	65
Tc00.1047053506679.100	EAN98186.1	40S ribosomal protein S18, putative	64	1	1	8	AGTLTAEELER	64
Tc00.1047053506983.39	EAN85448.1	calpain-like cysteine peptidase, putative	64	5	2	17	DNGNGLLFR LNFEANPVAK	18 46
Tc00.1047053509045.20	EAN81815.1	co-chaperone GrpE, putative	63	2	2	7	EVLVYR VSTEEIESNK	20 43
Tc00.1047053508719.40	EAN87060.1	kinetoplast DNA-associated protein, putative	62	1	1	10	NNPALSGLPISER	62
Tc00.1047053510089.210	EAN94958.1	hypothetical protein, conserved	62	1	1	6	ALGEYFQR	62
Tc00.1047053504147.120	EAN97983.1	60S ribosomal protein L22, putative	61	1	1	8	YFNIQDQEEA	61
Tc00.1047053506375.90	EAN90829.1	hypothetical protein, conserved	61	2	2	13	EVTLYPIVNFAPHYFR QNPPGLVCTIR +Carbamidomethyl (C)	40 21
Tc00.1047053507777.20	EAN84069.1	hypothetical protein, conserved	60	8	1	11	ALKAEAPVEK	60
Tc00.1047053506401.70	EAN99410.1	vacuolar protein sorting protein 18, putative	60	5	3	2	AVEIR HMLWKRLATATAK TYWLKYASILMRFPCR +Carbamidomethyl (C)	27 16 17
Tc00.1047053508153.270	EAO00223.1	heat shock protein 20, putative	60	3	1	8	LSPLEEGSVK	60
Tc00.1047053504037.30	EAN82434.1	60S ribosomal protein L12, putative	59	1	1	9	AVGGVEPATASLAPK	59
Tc00.1047053507713.30	EAN82629.1	heat shock protein 85, putative	59	1	1	2	GVDSEDLPLNISR	59
Tc00.1047053503903.60	EAN85769.1	hypothetical protein, conserved	58	1	1	9	NDVDITDPK	58
Tc00.1047053510119.20	EAN84978.1	elongation factor 1-alpha (EF-1-alpha), putative	58	16	1	2	IGGIGTPVGR	58
Tc00.1047053506933.60	EAN90161.1	mitochondrial RNA binding protein, putative	57	3	1	6	GFGFIEDTDDK	57
Tc00.1047053508413.68	EAN87014.1	kinetoplastid membrane protein KMP-11	57	3	1	10	FAELLEQQK	57
Tc00.1047053509561.20	EAN90705.1	flagellum-adhesion glycoprotein, putative	57	1	1	2	QQLVIQDFISR	57
Tc00.1047053407477.50	EAN83385.1	cytochrome c oxidase VIII (COX VIII), putative	57	8	1	7	GSDVWAADGK	57
Tc00.1047053504427.64	EAN97645.1	hypothetical protein, conserved	56	3	1	12	LQENYDAGVER	56
Tc00.1047053506295.70	EAN91006.1	hypothetical protein, conserved	56	4	1	8	RLEYETVESK	56
Tc00.1047053508719.60	EAN87062.1	kinetoplast DNA-associated protein, putative	55	3	1	9	NNPALSGLPVAK	55
Tc00.1047053511529.160	EAN93883.1	enoyl-CoA hydratase/isomerase family protein, putative	55	1	1	3	LLWEDFTNTR	55
Tc00.1047053506963.14	EAN89730.1	40S ribosomal protein S27, putative	55	1	1	15	GFFDSDLSYPTVR	55
Tc00.1047053508153.130	EAO00193.1	enoyl-CoA hydratase, mitochondrial precursor, putative	55	1	1	4	GAVVTLLNRPK	55
Tc00.1047053508699.130	EAN90805.1	cation transporter, putative	55	2	1	5	LSPFLVFLGK	55
Tc00.1047053506195.110	EAN97253.1	malate dehydrogenase, putative	55	1	1	4	LFQVTTLDLVR	55
Tc00.1047053503449.14	EAN83027.1	hypothetical protein, conserved	53	1	1	5	LLELYPSGK	53
Tc00.1047053504153.160	EAN99058.1	carboxypeptidase, putative	52	1	1	3	AWELNLLPEEFVER	52
Tc00.1047053506579.10	EAN89676.1	ABC transporter, putative	52	2	1	1	QDEFLESQLK	52
Tc00.1047053507715.34	EAN90878.1	hypothetical protein, conserved	52	1	1	6	YLASGEYFR	52
Tc00.1047053511751.200	EAN96655.1	epsilon-adaptin, putative	52	4	3	2	FLSARKANLR KKLTVR QIGEHRLSR	17 20 15
Tc00.1047053504105.130	EAN97848.1	calcium channel protein, putative	51	4	3	2	ALTGGRTPQELEDKNR DDNAMYEEALLFDR LPGLYQPAIDEK	15 18 18
Tc00.1047053507711.300	EAN98025.1	hypothetical protein, conserved	50	1	1	10	TPNFGLQVPER	50
Tc00.1047053511071.190	EAN92161.1	hypothetical protein, conserved	49	1	1	8	FFEDVPDAWSNEK	49
Tc00.1047053504069.50	EAN89658.1	peroxin 14, putative	48	1	1	3	VSSAVQFLHDSR	48
Tc00.1047053504163.60	EAN87520.1	hypothetical protein, conserved	48	1	1	6	LTAEQQLDQIR	48
Tc00.1047053506163.50	EAN88337.1	hypothetical protein, conserved	48	1	1	3	QGLGSEVAEVK	48
Tc00.1047053455721.9	EAN81337.1	cytochrome c oxidase subunit 10, putative	47	2	1	9	INNNPTVQQFR	47
Tc00.1047053506949.50	EAN87335.1	cytochrome c, putative	46	1	1	10	HSGTVEGFAYSK	46
Tc00.1047053506779.120	EAN93692.1	hypothetical protein, conserved	46	3	1	5	GGFTSPSFLR	46

