

Table S2. Exclusive orthologous groups of *Leishmania* species.

<i>Specie</i>	<i>DEG</i>	<i>Orthologous group</i>	<i>Product Description</i>	<i>Gene ID</i>	<i>Log Fold Change</i>	<i>P Value</i>	<i>Chrom.</i>
		OG6_100026	multidrug resistance protein, copy 1-like protein	LmxM.30.1290	1,10001E+14	6,71189E-15	30
				LmxM.23.0250	9,97426E+13	1,8341E-16	23
		OG6_100119	histone H3	LmxM.10.0870	1,75336E+14	4,98643E-29	10
		OG6_100120	histone H4	LmxM.25.2450	1,05221E+14	5,25258E-07	25
				LmxM.34.1310	1,20574E+14	6,91212E-15	34
				LmxM.36.0020	1,25335E+14	7,36336E-17	20
				LmxM.06.0010	9,27731E+14	4,94832E-18	6
				LmxM.30.3180	1,20649E+14	7,06791E-25	30
		OG6_100194	NADH:flavin oxidoreductase/NADH oxidase, putative	LmxM.12.1130	1,13662E+14	2,88453E-11	12
		OG6_100199	cyclin 6, putative	LmxM.31.3320	1,13286E+14	0,009334338	31
				LmxM.25.1470	2,78861E+14	9,08697E-39	25
		OG6_100205	malic enzyme	LmxM.24.0761	8,14775E+14	0,000149948	24
		OG6_100222	serine/threonine protein phosphatase pp1(5.9), putative	LmxM.30.2630	1,18958E+14	3,26986E-06	30
		OG6_100259	hypothetical protein, conserved	LmxM.34.3580	1,55634E+14	5,78197E-31	34
		OG6_100311	2-oxoglutarate dehydrogenase subunit, putative	LmxM.27.0880	1,15334E+14	8,90124E-31	27
		OG6_100325	60S ribosomal protein L11 (L5, L16)	LmxM.04.0470	7,084E+14	0,009149303	4
		OG6_100327	centromere/microtubule binding protein cbf5, putative	LmxM.21.1760	7,7722E+14	2,14867E-05	21
		OG6_100371	Na/H antiporter-like protein	LmxM.23.0830	1,20269E+14	1,87835E-36	23
		OG6_100393	chaperonin HSP60, mitochondrial precursor	LmxM.36.2030	1,04373E+13	1,04259E-13	20
		OG6_100431	short chain dehydrogenase, putative	LmxM.33.0010	1,7022E+14	2,48302E-68	33
		OG6_100444	ubiquitin-activating enzyme E1, putative	LmxM.23.0550	1,07603E+14	6,35585E-27	23
		OG6_100448	ribonucleoside-diphosphate reductase large chain, putative	LmxM.28.0890	1,92432E+14	1,9078E-103	28
		OG6_100479	coronin, putative	LmxM.23.1165	9,53888E+14	0,000408496	23
		OG6_100483	DNA repair protein RAD51, putative	LmxM.28.0550	1,207E+14	7,82546E-14	28
		OG6_100486	Haemolysin-III related, putative	LmxM.36.5500	9,7277E+14	1,15184E-05	20
		OG6_100492	Kinesin-13 1, putative	LmxM.01.0030	1,02033E+14	7,50228E-07	1
		OG6_100505	ADP,ATP carrier protein 1, mitochondrial precursor, putative	LmxM.19.0200	1,15316E+14	1,3187E-24	19
		OG6_100527	fructose-1,6-bisphosphate aldolase	LmxM.36.1260	7,22959E+13	3,85906E-08	20
		OG6_100555	ribonuclease H, putative	LmxM.36.0640	1,25824E+14	1,33741E-11	20
		OG6_100573	protein kinase, putative	LmxM.28.0520	1,22922E+14	3,80975E-10	28
		OG6_100640	nonspecific nucleoside hydrolase	LmxM.18.1580	2,08215E+14	3,26213E-85	18
		OG6_100650	guanine deaminase, putative	LmxM.08_29.0867	1,16213E+13	6,64858E-23	8
		OG6_100664	succinate dehydrogenase and fumarate reductase iron-sulfur protein, putative	LmxM.23.1410	9,11263E+14	0,000671494	23
		OG6_100668	glutamine synthetase, putative	LmxM.06.0370	8,43248E+14	4,24319E-08	6
		OG6_100671	ubiquitin-conjugating enzyme E2, putative	LmxM.34.1300	8,20989E+14	3,99667E-06	34
		OG6_100701	60S ribosomal protein L10, putative	LmxM.04.0750	8,74119E+14	4,09252E-06	4
				LmxM.04.0950	7,11856E+14	1,97478E-06	4
		OG6_100759	protein kinase, putative	LmxM.17.0790	1,60076E+14	4,72169E-05	17
		OG6_100868	fibrillar, putative	LmxM.19.0100	1,19677E+14	7,62651E-27	19
		OG6_100869	60S ribosomal protein L10a, putative	LmxM.18.0620	8,21093E+14	5,03054E-10	18
		OG6_100971	40S ribosomal protein S13, putative	LmxM.19.0390	7,86324E+14	7,94754E-13	19
		OG6_100986	phosphatidylinositol 3-kinase, putative	LmxM.14.0020	1,01483E+14	0,000170929	14
		OG6_101050	elongation factor-1 gamma	LmxM.09.0970	1,06544E+14	5,015E-32	9
		OG6_101064	3-hydroxy-3-methylglutaryl-CoA synthase, putative	LmxM.24.2110	1,49921E+14	2,38142E-43	24
		OG6_101203	protoheme IX farnesyltransferase, putative	LmxM.23.1520	7,79236E+13	0,004821032	23
		OG6_101208	60S ribosomal protein L18a, putative	LmxM.34.0600	6,72612E+14	0,000298948	34

OG6_101280	DNA polymerase kappa, putative	LmxM.28.1430	1,38599E+14	1,3553E-21	28
		LmxM.28.1420	1,25531E+14	1,42134E-22	28
OG6_101317	ubiquitin hydrolase, putative	LmxM.34.1740	9,89386E+14	1,27766E-09	34
OG6_101359	argininosuccinate synthase, putative	LmxM.23.0260	1,21261E+14	1,10442E-36	23
OG6_101365	ribosomal protein S29, putative	LmxM.28.2205	8,94801E+14	1,16797E-06	28
OG6_101383	cell division cycle protein 20, putative	LmxM.24.1720	2,76297E+14	1,4829E-230	24
OG6_101397	hypothetical protein, conserved	LmxM.31.2150	9,74945E+14	1,64019E-17	31
OG6_101407	metacaspase, putative	LmxM.34.1580	1,11121E+14	8,58318E-14	34
OG6_101417	major facilitator superfamily, putative	LmxM.28.0150	1,26683E+14	1,25134E-20	28
OG6_101432	protein kinase, putative	LmxM.30.2860	1,1628E+12	3,63112E-12	30
OG6_101492	structural maintenance of chromosome (SMC), putative	LmxM.05.0400	1,45062E+14	6,72549E-34	5
OG6_101499	structural maintenance of chromosome (SMC) family protein, putative	LmxM.34.3510	1,46576E+14	5,53417E-51	34
OG6_101502	tyrosine aminotransferase, putative	LmxM.36.2360	7,02936E+14	0,000554276	20
OG6_101534	enoyl-CoA hydratase/isomerase-like protein	LmxM.08_29.2310	9,84148E+14	2,80604E-08	8
OG6_101574	Co-chaperone protein P23	LmxM.34.4470	1,21364E+14	3,97648E-27	34
OG6_101579	EF-hand domain pair, putative	LmxM.17.0750	7,39912E+14	0,008158073	17
		LmxM.34.3210	9,66795E+14	3,11853E-05	34
OG6_101671	XPG N-terminal domain/XPG I-region, putative	LmxM.23.1270	9,57605E+14	4,55221E-08	23
OG6_101676	HIT domain containing protein, putative	LmxM.23.1055	1,06514E+14	1,97771E-09	23
OG6_101698	Eukaryotic translation initiation factor 4E-2	LmxM.19.1480	1,10346E+14	0,001703805	19
OG6_101778	Translation initiation factor eIF-2B subunit epsilon, putative	LmxM.28.2290	9,06379E+14	1,39884E-08	28
OG6_101782	T-complex protein 1, eta subunit, putative	LmxM.34.3860	1,31174E+14	6,48991E-36	34
OG6_101805	DNA replication licensing factor MCM4	LmxM.09.0250	1,03553E+14	1,03928E-07	9
OG6_101843	beta-fructofuranosidase, putative	LmxM.04.0320	2,1098E+14	8,81671E-27	4
		LmxM.04.0310	2,68602E+14	7,9978E-103	4
OG6_102001	Lipase (class 3), putative	LmxM.18.0160	1,21187E+14	2,44E-19	18
OG6_102049	Pyrophosphate-energized vacuolar membrane proton pump 1, putative	LmxM.30.1220	1,02296E+14	1,05321E-22	30
OG6_102138	ATP-dependent RNA helicase, putative	LmxM.28.1310	1,07452E+13	3,66113E-16	28
OG6_102149	DNAj-like protein	LmxM.20.1130	8,68871E+14	0,00042915	20
OG6_102180	DNA-directed RNA polymerases I and III subunit RPAC1, putative	LmxM.19.0660	9,2437E+14	0,007262012	19
OG6_102273	condensin subunit 1, putative	LmxM.15.1560	1,4676E+13	5,59714E-19	15
OG6_102338	terbinafine resistance locus protein (yip1)	LmxM.23.0240	1,23099E+13	3,23889E-06	23
OG6_102360	WD domain, G-beta repeat/BING4CT (NUC141) domain containing protein, putative	LmxM.23.0620	1,5507E+14	9,71847E-69	23
OG6_102456	DNA repair and recombination protein RAD54, putative	LmxM.24.0760	1,02366E+14	7,75874E-09	24
OG6_102790	TPR repeat, putative	LmxM.12.0610	1,20052E+14	4,64219E-11	12
OG6_102853	hypothetical protein, conserved	LmxM.22.1350	9,50477E+14	3,04923E-09	22
OG6_102990	DNA topoisomerase 1A	LmxM.21.0125	1,31432E+14	5,13697E-14	21
OG6_103025	sodium/hydrogen exchanger, putative	LmxM.14.0980	1,18307E+14	7,24183E-10	14
OG6_103028	Cullin family, putative	LmxM.34.3750	1,29328E+14	2,70771E-11	34
OG6_103450	related to multifunctional cyclin-dependent kinase pho85-like protein	LmxM.36.2580	1,06668E+13	1,13377E-13	20
OG6_103455	Mannosyl oligosaccharide glucosidase, putative	LmxM.28.2200	1,09086E+14	5,14366E-11	28
OG6_103732	cysteine peptidase, Clan CA, family C19, putative	LmxM.09.0240	8,52495E+14	0,005539592	9
OG6_103831	peptidyl-prolyl cis-trans isomerase (cyclophilin- 40), putative	LmxM.34.4770	1,18383E+14	4,83513E-33	34
OG6_104016	Spindle assembly abnormal protein 6 homolog	LmxM.34.4280	1,01815E+14	0,003949026	34
OG6_104448	Domain of unkwon function (DUF4205), putative	LmxM.34.2070	1,08949E+14	1,77128E-12	34
OG6_104857	ubiquitin-conjugating enzyme-like protein	LmxM.21.0440	1,12777E+14	1,49616E-12	21
OG6_104927	PSP1 C-terminal conserved region, putative	LmxM.36.7000.1	1,54089E+14	3,00001E-13	20
OG6_105399	cation transporter, putative	LmxM.27.1265	1,03201E+13	4,61025E-05	27
OG6_105973	sphingomyelin/ceramide phosphorylethanolamine synthase, bifunctional	LmxM.34.4990	9,06174E+14	3,91427E-05	34

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OG6_106041	phosphatase, putative	LmxM.31.0640	6,83079E+14	0,00944059	31
OG6_106621	hypothetical protein, unkwon function	LmxM.29.1220	1,08176E+13	0,000171914	29
OG6_108008	hypothetical protein, conserved	LmxM.34.4550	1,11515E+13	1,81717E-21	34
OG6_108472	amastin-like protein, putative	LmxM.08.0730	1,07263E+14	0,000110524	8
		LmxM.08.0740	1,46155E+14	1,62325E-06	8
		LmxM.08.0750	1,39708E+14	2,5668E-08	8
		LmxM.08.0770	1,63218E+14	2,72964E-10	8
		LmxM.30.0450h	1,76187E+14	7,24128E-13	pt Assigne
LmxM.30.0450b	1,60021E+14	1,15394E-29	pt Assigne		
OG6_108741	hypothetical protein, unkwon function	LmxM.30.1600	7,76153E+13	0,001185261	30
OG6_109186	endoribonuclease L-PSP (pb5), putative	LmxM.23.0200	1,89224E+14	9,9908E-120	23
OG6_111639	Basalin	LmxM.22.1070	1,15477E+14	1,27088E-12	22
OG6_115803	hypothetical protein, conserved	LmxM.23.0440	1,08054E+14	0,000649367	23
OG6_119788	RNA-binding protein UBP1, putative	LmxM.25.0490	1,102E+14	1,25429E-17	25
OG6_120858	beta eliminating lyase,putative	LmxM.01.0480	8,72471E+14	0,002956108	1
OG6_123617	Fusaric acid resistance protein-like, putative	LmxM.34.3570	7,92904E+14	2,08271E-06	34
OG6_124967	Protein of unkwon function (DUF3808), putative	LmxM.29.3690	8,50443E+14	7,81847E-06	29
OG6_125593	kinetoplast-associated protein, putative	LmxM.36.5845	1,6582E+14	1,46347E-13	20
OG6_126991	hypothetical protein, conserved	LmxM.14.0120	1,70016E+14	0,006022665	14
OG6_127840	phosphoprotein phosphatase, putative	LmxM.13.1510	1,27865E+14	1,70453E-27	13
OG6_128913	SET domain containing protein, putative	LmxM.23.0820	1,32879E+14	3,76892E-25	23
OG6_129148	hypothetical protein, conserved	LmxM.12.0620	8,41824E+14	0,003405665	12
OG6_130111	protein kinase, putative	LmxM.11.0060	8,38265E+14	2,9296E-05	11
OG6_130711	cystathionine beta-lyase, putative	LmxM.31.2640	1,35589E+14	6,01269E-27	31
OG6_131016	WD40/YVTN repeat-like-containing protein	LmxM.24.0130	9,77418E+13	0,000294106	24
OG6_132330	membrane-bound acid phosphatase 2	LmxM.23.1170	1,33768E+14	3,14781E-28	23
OG6_133007	hypothetical protein, conserved	LmxM.23.1150	1,04501E+14	2,90692E-11	23
OG6_134860	PUF1, putative	LmxM.36.0050	7,76548E+14	0,001582924	20
OG6_134865	hypothetical protein, conserved	LmxM.09.0330	1,1953E+13	4,42498E-15	9
OG6_137292	phosphatidylinositol-4-phosphate 5-kinase-like, putative	LmxM.34.0560	1,33778E+14	3,49029E-36	34
OG6_137911	hypothetical protein, conserved	LmxM.05.0050	1,63288E+14	2,9298E-33	5
OG6_137983	tryptophanyl-tRNA synthetase, putative	LmxM.23.0300	1,24894E+14	9,05965E-19	23
OG6_139038	Meckel syndrome type 1 protein, putative	LmxM.23.1710	1,04006E+14	2,6281E-07	23
OG6_139159	Nucleoporin NUP92	LmxM.26.2660	9,22622E+14	3,17139E-05	26
OG6_139392	U3 small nucleolar RNA-associated protein 6, putative	LmxM.34.1990	1,09718E+14	2,82794E-11	34
OG6_139677	hypothetical protein, conserved	LmxM.34.4760	2,19233E+14	3,3755E-08	34
OG6_139680	Multisite-specific tRNA:(cytosine-C(5))-methyltransferase, putative	LmxM.18.1110	9,62216E+14	3,56233E-05	18
OG6_139739	Nucleoporin NUP152	LmxM.36.4270	7,95893E+13	0,002082277	20
OG6_139847	MIZ/SP-RING zinc finger, putative	LmxM.31.3070	1,46008E+14	3,37975E-14	31
OG6_139856	kinetoplastid kinetochore protein 1, putative	LmxM.36.1900	1,25797E+14	7,68033E-24	20
OG6_139879	Present in the outer mitochondrial membrane proteome 34	LmxM.06.0240	1,17323E+14	6,76239E-19	6
OG6_139882	cyclophilin type peptidyl-prolyl cis-trans isomerase, putative	LmxM.23.0125	1,15432E+13	0,00015197	23
OG6_139895	hypothetical protein, conserved	LmxM.06.0430	1,04133E+14	4,62227E-09	6
OG6_139899	metallo-peptidase, Clan MA(E), Family M41	LmxM.18.0610	8,64887E+14	3,71969E-07	18
OG6_141971	SET domain containing protein, putative	LmxM.23.0790	1,19439E+14	5,54321E-27	23
OG6_142224	Wee1-like protein kinase, putative	LmxM.33.0940	1,13064E+14	1,05425E-16	33
OG6_142412	Probable methyltransferase BTM2 homolog	LmxM.23.1090	8,80405E+14	6,74727E-08	23
OG6_142583	50S ribosome-binding GTPase, putative	LmxM.23.0740	1,03292E+14	3,17748E-09	23
OG6_142692	autophagy protein APG9, putative	LmxM.27.0390	1,24962E+14	3,76803E-14	27
OG6_142930	Mak10 subunit, NatC N(alpha)-terminal acetyltransferase, putative	LmxM.17.0980	7,80811E+14	0,004770246	17

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OG6_144131	protein kinase, putative	LmxM.29.2130	1,64407E+13	3,6021E-53	29
OG6_144327	hypothetical protein, conserved	LmxM.23.0020	1,0132E+14	2,18554E-14	23
OG6_144661	hypothetical protein, conserved	LmxM.11.0860	1,02982E+14	1,37257E-12	11
OG6_145643	acyltransferase-like protein, copy 2	LmxM.04.1050	1,23901E+14	7,08334E-16	4
OG6_146403	hypothetical protein, conserved	LmxM.12.0640	1,17671E+14	2,10937E-08	12
OG6_146440	hypothetical protein, conserved	LmxM.28.2300	1,4676E+14	5,85332E-12	28
OG6_146448	kinetoplastid kinetochore protein 3, putative	LmxM.34.4050	8,29252E+14	0,000688743	34
OG6_146449	hypothetical protein, conserved	LmxM.34.4080	1,30763E+14	1,79803E-22	34
OG6_146452	hypothetical protein, conserved	LmxM.34.3920	1,00564E+14	4,68755E-14	34
OG6_146453	hypothetical protein, conserved	LmxM.34.3900	1,1584E+14	0,003146773	34
OG6_146486	hypothetical protein, conserved	LmxM.28.2010	1,33216E+14	1,663E-16	28
OG6_146543	hypothetical protein, conserved	LmxM.13.1360	9,68585E+14	3,25785E-15	13
OG6_146554	J-binding protein	LmxM.09.1480	7,84705E+14	0,001403726	9
OG6_146571	Flagellar Member 2	LmxM.36.2840	8,41148E+14	2,48209E-05	20
OG6_146576	ATP-dependent RNA helicase-like protein	LmxM.34.2270	8,85786E+14	1,42234E-09	34
OG6_146599	hypothetical protein, conserved	LmxM.20.0080	1,02059E+14	7,75874E-09	20
OG6_146638	hypothetical protein, conserved	LmxM.27.1080	2,65777E+14	7,2684E-244	27
OG6_146658	kinesin, putative	LmxM.21.1040	1,33864E+14	3,89667E-28	21
OG6_146663	hypothetical protein, conserved	LmxM.23.0960	1,66054E+13	5,60457E-58	23
OG6_146685	hypothetical protein, conserved	LmxM.23.0230	1,06097E+13	0,00074105	23
OG6_146720	hypothetical protein, conserved	LmxM.34.3370	8,2424E+14	0,000105568	34
OG6_146722	RNA-binding protein, putative	LmxM.34.3200	8,94205E+14	2,64685E-08	34
OG6_146729	RNA-binding protein, putative	LmxM.25.0290	8,97997E+14	0,009831569	25
OG6_146768	hypothetical protein, conserved	LmxM.31.2940	1,88477E+14	1,31797E-34	31
OG6_146787	hypothetical protein, conserved	LmxM.22.0120	1,51175E+13	1,70032E-07	22
OG6_146793	pdz domain containing protein, putative	LmxM.29.0660	8,91469E+14	2,72627E-08	29
OG6_146797	hypothetical protein, conserved	LmxM.35.2470	1,04151E+14	8,2587E-06	34
OG6_146818	hypothetical protein, conserved	LmxM.21.1560	1,13102E+14	3,87009E-18	21
OG6_146906	helicase-like protein, putative	LmxM.25.2050	1,20302E+14	2,0601E-09	25
OG6_146922	5'-3' exoribonuclease C, putative	LmxM.23.0543	1,07681E+14	4,94204E-13	23
OG6_146951	hypothetical protein, conserved	LmxM.24.1400	1,39276E+13	1,17729E-08	24
OG6_146982	hypothetical protein, conserved	LmxM.34.0960	1,01076E+14	5,97424E-06	34
OG6_147009	KH domain containing protein, putative	LmxM.27.1300	1,10441E+14	1,5863E-22	27
OG6_147045	flagellar pocket cytoskeletal protein bilbo1	LmxM.09.0100	8,58346E+14	0,001702227	9
OG6_147055	hypothetical protein, conserved	LmxM.09.1540	1,26924E+14	1,61806E-07	9
OG6_147094	2OG-Fe(II) oxygenase superfamily, putative	LmxM.25.1010	1,72082E+14	1,78009E-28	25
OG6_147137	kinetoplastid kinetochore protein 2, putative	LmxM.36.5350	1,23642E+14	6,70788E-19	20
OG6_147198	hypothetical protein, conserved	LmxM.04.0630	1,11969E+14	6,68135E-12	4
OG6_147229	suppressive immunomodulating factor, putative	LmxM.08.1140	8,35399E+14	0,008274741	8
OG6_147276	tubulin-tyrosine ligase-like protein	LmxM.29.2280	1,02857E+14	6,53906E-16	29
OG6_147285	hypothetical protein, conserved	LmxM.23.0350	9,2902E+14	4,91242E-09	23
OG6_147391	hypothetical protein, conserved	LmxM.23.0750	1,0947E+14	1,22583E-10	23
OG6_147405	hypothetical protein, conserved	LmxM.19.0240	1,09496E+14	3,89179E-06	19
OG6_147496	hypothetical protein, conserved	LmxM.25.2220	1,17018E+14	4,788E-05	25
OG6_147592	hypothetical protein, conserved	LmxM.17.0840	1,15923E+14	4,38181E-05	17
OG6_148126	condensin complex subunit 2, putative	LmxM.06.0470	9,67578E+14	4,65089E-07	6
OG6_148256	hypothetical protein, conserved	LmxM.23.1130	1,86852E+14	4,99896E-47	23
OG6_148280	hypothetical protein, conserved	LmxM.22.0170	1,8237E+14	9,38076E-70	22
OG6_148296	hypothetical protein, conserved	LmxM.30.0980	9,67717E+14	4,31573E-08	30
OG6_148318	protein kinase, putative	LmxM.34.4000	9,74893E+14	2,11899E-17	34

OG6_149201	hypothetical protein, conserved	LmxM.32.0650	9,49455E+14	1,40403E-12	32
OG6_150916	Cullin family/Cullin protein neddylation domain containing protein, putative	LmxM.28.2110	9,80091E+14	1,11514E-06	28
OG6_151615	Stress responsive A/B Barrel Domain, putative	LmxM.27.0750	8,96221E+13	1,47186E-07	27
OG6_151902	tubulin cofactor C domain-containing protein RP2, putative	LmxM.18.0530	1,0692E+14	4,66432E-06	18
OG6_152033	haloacid dehalogenase-like hydrolase-like protein	LmxM.28.1380	9,42583E+14	1,22522E-08	28
OG6_152705	thioredoxin, putative	LmxM.34.0380	1,83534E+13	5,94167E-52	34
OG6_153152	fatty acid elongase, putative	LmxM.14.0670	8,5629E+14	1,47381E-12	14
OG6_154314	hypothetical protein, conserved	LmxM.15.1490	1,28065E+14	1,16679E-07	15
OG6_155789	WW domain containing protein, putative	LmxM.12.0510	1,13829E+14	1,06315E-15	12
OG6_156326	Leucine Rich Repeat, putative	LmxM.25.0880	9,33767E+14	0,000178967	25
OG6_156794	hypothetical protein, conserved	LmxM.34.3970	1,3872E+14	7,57312E-14	34
OG6_156848	hypothetical protein, conserved	LmxM.29.3330	1,84693E+14	6,98212E-50	29
OG6_157005	hypothetical protein, conserved	LmxM.05.1110	2,34021E+14	2,1355E-166	5
OG6_157171	Nucleus and spindle associated protein 1, putative	LmxM.28.0390	1,34393E+13	2,99213E-27	28
OG6_158067	hypothetical protein, conserved	LmxM.23.0025	1,14677E+14	4,82285E-10	23
OG6_158076	hypothetical protein, conserved	LmxM.23.1240	8,11599E+14	4,53459E-05	23
OG6_158098	hypothetical protein, conserved	LmxM.31.0240	1,40491E+14	2,79167E-08	31
OG6_158187	mitochondrial DNA polymerase I protein D, putative	LmxM.13.1630	9,83112E+13	8,49088E-14	13
OG6_158198	hypothetical protein, conserved	LmxM.27.1360	7,3318E+14	0,000128438	27
OG6_158224	Kinetoplastid kinetochore protein 24, putative	LmxM.34.0180	1,69438E+14	6,09333E-47	34
OG6_158297	hypothetical protein, conserved	LmxM.36.2800	1,35912E+14	2,90442E-21	20
OG6_158383	hypothetical protein, conserved	LmxM.34.2660	1,26479E+14	1,02904E-07	34
OG6_158676	Nucleus and spindle associated protein 2, putative	LmxM.15.0940	8,34042E+14	2,16185E-06	15
OG6_163413	CRAL/TRIO domain containing protein, putative	LmxM.30.2060	2,2222E+14	1,28004E-76	30
OG6_168202	Zinc finger, C3HC4 type (RING finger), putative	LmxM.17.0290	1,75469E+14	8,39093E-23	17
OG6_172138	hypothetical protein, conserved	LmxM.23.1140	1,07088E+14	3,65905E-26	23
OG6_173618	Fusaric acid resistance protein-like, putative	LmxM.12.0570	8,23974E+14	0,000631735	12
OG6_173725	tubulin-tyrosine ligase-like protein	LmxM.31.2930	1,74046E+14	1,60805E-33	31
OG6_173750	hypothetical protein, conserved	LmxM.27.2270	1,80285E+14	9,8378E-58	27
OG6_173797	hypothetical protein, conserved	LmxM.36.2220	1,92623E+14	1,45059E-10	20
OG6_173802	hypothetical protein, conserved	LmxM.21.0570	1,52401E+14	8,82847E-16	21
OG6_173804	hypothetical protein, conserved	LmxM.34.1240	1,83128E+14	6,21401E-43	34
OG6_173817	hypothetical protein, conserved	LmxM.30.0080	1,86864E+14	2,17773E-62	30
OG6_173869	hypothetical protein, conserved	LmxM.33.4210	1,35453E+14	2,80731E-11	33
OG6_173891	Peroxisomal biogenesis factor 11 (PEX11), putative	LmxM.34.3690	1,08242E+14	5,33188E-09	34
OG6_185520	RNA pseudouridylate synthase-like protein	LmxM.04.0250	9,77489E+14	1,40336E-13	4
OG6_190303	Histidine phosphatase superfamily (branch 1), putative	LmxM.34.3190	1,0429E+14	3,22678E-11	34
OG6_196339	hypothetical protein, conserved	LmxM.32.1140	1,45367E+14	2,77982E-32	32
OG6_196971	hypothetical protein, conserved	LmxM.34.0680	1,09043E+14	2,51075E-14	34
OG6_199729	hypothetical protein, conserved	LmxM.09.0980	7,19408E+14	8,49382E-05	9
OG6_199783	Kinetochore interacting protein 5, putative	LmxM.17.0430	2,07312E+14	4,1898E-92	17
OG6_199784	hypothetical protein	LmxM.17.0500	1,74387E+14	3,74559E-88	17
OG6_199807	hypothetical protein, unkwon function	LmxM.08_29.0860	1,55938E+14	3,37975E-14	8
OG6_199825	protein kinase, putative	LmxM.14.0830	9,47815E+14	1,14466E-05	14
OG6_199862	hypothetical protein, conserved	LmxM.21.1220	9,18005E+14	9,62547E-07	21
OG6_199867	hypothetical protein, conserved	LmxM.21.1480	2,02839E+13	9,5799E-118	21
OG6_199890	hypothetical protein	LmxM.23.0542	9,65358E+14	0,000118725	23
OG6_199891	hypothetical protein, conserved	LmxM.23.0580	1,52406E+14	8,70944E-47	23
OG6_199893	hypothetical protein, conserved	LmxM.23.0600	1,28949E+13	2,77774E-23	23
OG6_199895	hypothetical protein, unkwon function	LmxM.23.0660	1,10093E+14	1,66102E-23	23

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OG6_199936	hypothetical protein, conserved	LmxM.19.1370	9,88093E+14	3,16613E-05	19
OG6_199954	hypothetical protein, conserved	LmxM.20.0520	1,48026E+14	9,43756E-19	20
OG6_199964	hypothetical protein, conserved	LmxM.06.0420	1,26805E+14	2,36244E-20	6
OG6_199996	hypothetical protein, conserved	LmxM.31.1600	1,11997E+14	6,44594E-05	31
OG6_199997	hypothetical protein, conserved	LmxM.31.1700	1,39354E+14	2,00149E-09	31
OG6_200065	hypothetical protein, conserved	LmxM.27.2260	8,92643E+14	6,53292E-11	27
OG6_200081	MFS/sugar transport protein, putative	LmxM.30.0040	9,96374E+14	8,22389E-17	30
OG6_200099	hypothetical protein, conserved	LmxM.06.0200	1,36263E+14	9,67004E-13	6
OG6_200154	hypothetical protein, unkwon function	LmxM.06.1290	9,87455E+14	2,34768E-14	6
OG6_200170	hypothetical protein, conserved	LmxM.34.0230	2,03769E+14	5,66291E-48	34
OG6_200185	hypothetical protein, conserved	LmxM.34.1100	2,11078E+14	2,76074E-50	34
OG6_200244	PSP1 C-terminal conserved region, putative	LmxM.29.1370	1,3817E+13	9,2963E-08	29
OG6_200251	hypothetical protein, unkwon function	LmxM.29.1920	1,32795E+14	4,06294E-10	29
OG6_200253	hypothetical protein, conserved	LmxM.29.2110	1,16223E+13	9,24283E-06	29
OG6_200305	Leishmania development 1 protein	LmxM.30.2090	1,11536E+14	3,07543E-22	30
OG6_200370	hypothetical protein, conserved	LmxM.36.4350	1,57582E+14	1,69261E-23	20
OG6_200468	hypothetical protein, unkwon function	LmxM.28.0190	1,11326E+14	2,61206E-16	28
OG6_200473	hypothetical protein, unkwon function	LmxM.28.0590	1,45847E+14	3,40772E-14	28
OG6_200478	hypothetical protein, unkwon function	LmxM.28.1040	8,16354E+14	8,1382E-06	28
OG6_200483	amastin-like protein	LmxM.28.1400	1,15607E+14	1,49287E-14	28
OG6_200491	cullin 2, putative	LmxM.28.2120	8,82205E+14	0,000131888	28
OG6_200540	hypothetical protein, conserved	LmxM.34.4125	1,98887E+14	1,04481E-72	34
OG6_208733	PB1 domain containing protein, putative	LmxM.21.1350	1,38024E+14	1,24081E-36	21
OG6_444415	hypothetical protein, unkwon function	LmxM.23.0410	7,88586E+14	2,64403E-05	23
OG6_478576	hypothetical protein, conserved	LmxM.12.1210	8,34775E+14	5,73231E-05	12
OG6_478586	hypothetical protein, conserved	LmxM.04.0830	8,11658E+14	0,004248357	4
OG6_478595	hypothetical protein, conserved	LmxM.14.0940	9,65341E+14	5,51657E-05	14
OG6_478629	hypothetical protein, unkwon function	LmxM.23.1035	1,1521E+14	2,22938E-20	23
OG6_478636	glucoamylase-like protein	LmxM.22.0660	1,34576E+14	2,02596E-22	22
OG6_478639	Histone RNA hairpin-binding protein RNA-binding domain containing protein, putative	LmxM.25.0920	1,44191E+13	2,0979E-13	25
OG6_478664	FYVE zinc finger, putative	LmxM.19.0980	1,20112E+14	1,5801E-17	19
OG6_478665	hypothetical protein, conserved	LmxM.06.0670	7,80462E+14	0,000365873	6
OG6_478672	hypothetical protein, conserved	LmxM.17.0690	1,36739E+14	2,15501E-11	17
OG6_478752	PIN domain containing protein, putative	LmxM.13.1500	8,81579E+14	1,92121E-09	13
OG6_478796	hypothetical protein, unkwon function	LmxM.34.0810	8,44672E+14	0,001951325	34
OG6_478824	hypothetical protein, unkwon function	LmxM.18.0430	1,21626E+14	1,80563E-11	18
OG6_478847	hypothetical protein, conserved	LmxM.34.1630	1,17221E+13	1,39608E-22	34
OG6_478868	mkiaa0324 protein-like protein	LmxM.36.5820	2,09115E+14	8,21886E-65	20
OG6_478905	hypothetical protein, unkwon function	LmxM.16.0500	1,48778E+14	2,61541E-83	16
OG6_478935	hypothetical protein, conserved	LmxM.27.0430	1,718E+14	2,1077E-34	27
OG6_478943	hypothetical protein, conserved	LmxM.31.1130	9,37106E+14	1,28371E-09	31
OG6_478944	hypothetical protein, conserved	LmxM.23.0770	8,08181E+14	1,74545E-05	23
OG6_478954	hypothetical protein, conserved	LmxM.19.1060	1,23834E+14	4,23836E-14	19
OG6_478970	hypothetical protein, conserved	LmxM.09.1200	1,10946E+14	1,27728E-07	9
OG6_478973	hypothetical protein, unkwon function	LmxM.12.0200	9,15042E+14	1,66122E-10	12
OG6_479039	hypothetical protein, unkwon function	LmxM.05.0770	1,31591E+14	1,50971E-27	5
OG6_479051	hypothetical protein, conserved	LmxM.18.1410	1,51314E+14	4,57055E-33	18
OG6_479077	hypothetical protein, conserved	LmxM.29.0790	1,68019E+14	9,05965E-19	29
OG6r2_152660	histone H1, putative	LmxM.27.1240	6,91798E+14	0,00034537	27

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OG6r2_309735	hypothetical protein, conserved	LmxM.26.1190	9,15712E+14	0,001350579	26
OG6_100014	cytochrome p450-like protein	LmxM.33.3330	-1,35547E+14	1,62807E-05	33
OG6_100059	p-glycoprotein-like protein	LmxM.26.2670	-1,01607E+14	0,000362378	26
OG6_100076	ABC transporter, putative	LmxM.15.0890	-9,89941E+14	0,000131888	15
OG6_100091	dehydrogenase-like protein	LmxM.10.0090	-2,72942E+14	6,19419E-88	10
OG6_100143	vacuolar-type Ca ²⁺ -ATPase, putative	LmxM.07.0650	-9,37385E+14	0,004090626	7
OG6_100262	serine hydroxymethyltransferase, putative	LmxM.14.1320	-1,57943E+14	2,60549E-20	14
OG6_100280	iron superoxide dismutase A, mitochondrial	LmxM.08.0290	-1,63164E+14	5,10532E-32	8
OG6_100349	d-xylulose reductase, putative	LmxM.32.0520	-2,33735E+14	3,25723E-49	32
OG6_100366	thiol-dependent reductase 1	LmxM.32.0240	-1,2987E+14	1,03975E-06	32
OG6_100383	hypothetical protein	LmxM.08_29.2810	-1,28291E+14	1,61368E-34	8
OG6_100385	glycerol-3-phosphate dehydrogenase [NAD ⁺], glycosomal/mitochondrial	LmxM.10.0510	-1,19451E+13	5,42822E-13	10
OG6_100394	dual-specificity protein kinase, putative	LmxM.32.1830	-2,04402E+14	2,60797E-81	32
OG6_100468	stearic acid desaturase, putative	LmxM.14.0510	-2,85387E+14	1,1976E-164	14
OG6_100500	cofilin-like protein	LmxM.08_29.0510	-8,92283E+14	1,05229E-06	8
OG6_100545	Regulator of chromosome condensation (RCC1) repeat, putative	LmxM.26.0740	-9,6684E+14	0,000447434	26
OG6_100611	methyltransferase domain containing protein, putative	LmxM.05.1100	-1,05621E+14	4,47067E-06	5
OG6_100627	Eukaryotic translation initiation factor 4E-1	LmxM.27.1620	-9,30812E+14	4,65091E-07	27
OG6_100639	isocitrate dehydrogenase [NADP], mitochondrial precursor, putative	LmxM.10.0290	-9,24262E+14	2,51552E-12	10
OG6_100657	triosephosphate isomerase	LmxM.24.0850	-7,98875E+14	0,002490798	24
OG6_100681	AMP deaminase, putative	LmxM.34.4800	-1,24687E+14	5,46477E-25	34
OG6_100807	signal peptidase type I, putative	LmxM.08.0450	-1,35723E+14	2,20127E-12	8
OG6_100863	nucleoside transporter 1, putative	LmxM.15.1230	-1,58534E+14	2,6156E-07	15
		LmxM.15.1240	-1,95701E+14	1,9437E-126	15
OG6_100867	sec14, cytosolic factor	LmxM.36.0581	-1,06101E+14	1,51532E-16	20
OG6_100884	hypothetical protein, unkwon function	LmxM.30.2115	-1,36821E+14	5,46477E-25	30
OG6_100924	succinyl-coa:3-ketoacid-coenzyme a transferase- like protein	LmxM.29.1940	-1,44995E+14	0,004093618	29
OG6_100934	SKP1-like protein	LmxM.11.1210	-7,21228E+14	0,001360965	11
OG6_100967	rab-GDP dissociation inhibitor, putative	LmxM.08_29.2160	-8,56941E+14	9,83428E-09	8
OG6_100998	UDP-galactose transporter	LmxM.24.0360	-1,19296E+14	1,16994E-11	24
OG6_101184	metallo-peptidase, Clan MA(M), Family M8	LmxM.30.2000	-2,05467E+14	9,6451E-108	30
OG6_101298	methylenetetrahydrofolate reductase, putative	LmxM.36.6390	-9,76311E+14	0,001928884	20
OG6_101498	Outer arm dynein light chain 7	LmxM.18.1010	-1,24102E+14	2,27393E-06	18
OG6_101720	methyltransferase-like protein	LmxM.21.1450	-9,73173E+13	6,75309E-06	21
OG6_101754	major surface protease gp63, putative	LmxM.28.0570	-3,12857E+14	4,3206E-205	28
OG6_101783	ubiquitin-protein ligase-like, putative	LmxM.07.0280	-8,39549E+13	0,005703409	7
OG6_101794	nucleoside phosphatase, putative	LmxM.10.0170	-8,47882E+14	0,000236241	10
OG6_102139	glucosamine-6-phosphate isomerase, putative	LmxM.31.3260	-9,84688E+13	6,53071E-10	31
OG6_102421	RNA binding protein, putative	LmxM.08_29.0390	-1,66722E+14	4,94441E-09	8
OG6_102552	Batten disease-like protein, putative	LmxM.22.0010	-1,22692E+14	6,97625E-23	22
OG6_102695	surface antigen-like protein	LmxM.04.0180	-2,17266E+14	2,057E-123	4
		LmxM.04.0190	-1,90658E+14	1,1167E-128	4
OG6_102738	flagellar radial spoke protein-like, putative	LmxM.08_29.0660	-9,66513E+14	7,42187E-15	8
OG6_102839	fumarate hydratase, putative	LmxM.08_29.1960	-1,40821E+14	2,51736E-26	8
OG6_102853	zinc finger domain protein, putative	LmxM.11.1090	-1,06648E+14	0,001354511	11
OG6_103141	pteridine transporter ft5, putative	LmxM.10.0350	-1,06829E+14	4,98081E-10	10
		LmxM.10.0380	-1,03395E+14	2,4522E-08	10
OG6_103263	hypothetical protein, conserved	LmxM.03.0320	-1,13804E+14	8,04673E-20	3
OG6_103310	alkyl dihydroxyacetonephosphate synthase	LmxM.29.0120	-8,69345E+14	6,7883E-08	29
OG6_103386	dynein light chain p28, axonemal, putative	LmxM.24.0840	-1,48738E+14	8,08256E-13	24

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OG6_103508	nuclear lim interactor-interacting factor-like protein	LmxM.26.0160	-2,0845E+13	2,36128E-35	26
OG6_103621	putative NAD(P)H quinone oxidoreductase, PIG3 family, putative	LmxM.08_29.1010	-1,32477E+14	7,13176E-46	8
OG6_103649	Beta-lactamase superfamily domain containing protein, putative	LmxM.22.1120	-1,07331E+14	5,26503E-05	22
OG6_103772	Tumour suppressor, Mitostatin, putative	LmxM.10.1150	-8,57812E+14	1,2797E-06	10
OG6_103778	Calmodulin-binding, putative	LmxM.24.0100	-1,13943E+14	2,451E-08	24
OG6_103795	Dynein regulatory complex subunit 7, putative	LmxM.05.1020	-8,80432E+14	3,24141E-06	5
OG6_103843	dynein light chain, putative	LmxM.24.1030	-1,26128E+14	0,000395484	24
OG6_103950	putative intraflagellar transport protein C3	LmxM.08_29.2760	-9,8908E+14	2,26177E-14	8
OG6_104001	parkin co-regulated protein, putative	LmxM.25.2200	-1,37834E+14	2,73217E-08	25
OG6_104080	Radial spokehead-like protein, putative	LmxM.32.2500	-1,12906E+14	5,54991E-13	32
OG6_104087	Dynein intermediate chain, axonemal	LmxM.31.1060	-8,65206E+13	2,25127E-05	31
OG6_104236	paralyzed flagella protein 16	LmxM.20.1400	-1,39251E+14	3,17474E-36	20
OG6_104302	WD domain, G-beta repeat, putative	LmxM.28.1110	-9,80229E+14	1,37912E-10	28
OG6_104311	flavoprotein subunit-like protein	LmxM.07.0800	-1,38626E+14	3,77155E-19	7
OG6_104348	phosphoinositide phosphatase	LmxM.22.0250	-1,19413E+14	5,16857E-08	22
OG6_104441	Dynein intermediate chain 1, axonemal	LmxM.24.0280	-1,16237E+14	4,00707E-23	24
OG6_104522	leucine-rich repeat-containing protein	LmxM.08_29.2210	-9,68176E+14	0,003219026	8
OG6_104648	flagellar protofilament ribbon protein-like protein	LmxM.10.1190	-1,11027E+14	1,42463E-11	10
OG6_104717	KIAA1430 homologue, putative	LmxM.30.0890	-1,33057E+14	1,49652E-21	30
OG6_104929	hypothetical protein, conserved	LmxM.36.3330	-8,82365E+14	0,005584624	20
OG6_104967	hypothetical protein, conserved	LmxM.36.3120	-1,26798E+14	7,31264E-11	20
OG6_105113	serine/threonine kinase-like protein, putative	LmxM.18.0640	-1,71068E+14	3,17474E-53	18
OG6_105180	hypothetical protein, conserved	LmxM.36.1450	-1,27311E+14	2,64599E-05	20
OG6_105186	Present in the outer mitochondrial membrane proteome 37	LmxM.08_29.2100	-8,76924E+14	2,6324E-06	8
OG6_105345	Domain of unkwon function (DUF1736), putative	LmxM.20.0150	-9,07021E+14	4,07728E-06	20
OG6_105355	surface antigen-like protein	LmxM.21.1170	-1,38648E+14	1,88512E-10	21
OG6_105424	lipophosphoglycan biosynthetic protein (lpg2)	LmxM.33.3120	-1,29717E+12	2,1466E-18	33
OG6_105476	hypothetical protein, conserved	LmxM.10.0195	-1,16817E+14	5,49241E-06	10
OG6_105540	MORN repeat, putative	LmxM.11.0090	-1,0131E+14	5,94209E-05	11
OG6_105954	Domain of unkwon function (DUF1042), putative	LmxM.10.1040	-1,26134E+14	3,09067E-29	10
OG6_107301	WD domain, G-beta repeat, putative	LmxM.08.0410	-9,70481E+14	1,25879E-10	8
OG6_107659	SPFH domain / Band 7 family, putative	LmxM.19.1280	-1,0232E+14	0,00638785	19
OG6_107822	Ring finger domain containing protein, putative	LmxM.08.1091	-1,63735E+14	1,04355E-26	8
OG6_107832	hypothetical protein, conserved	LmxM.36.4260	-1,12062E+14	2,71372E-13	20
OG6_108229	paraflagellar rod component, putative	LmxM.36.4780	-1,57894E+14	9,10334E-41	20
OG6_108327	RNA binding protein, putative	LmxM.08_29.1370	-7,69876E+14	0,001380401	8
OG6_108435	glucose transporter/membrane transporter D2, putative	LmxM.32.0290	-1,55577E+14	2,49957E-38	32
OG6_110456	Esterase PHB depolymerase, putative	LmxM.36.4640	-8,95935E+14	1,81937E-10	20
OG6_110710	paraflagellar rod component, putative	LmxM.36.4230	-2,95965E+14	3,1884E-216	20
OG6_110917	Nitroreductase family, putative	LmxM.36.5830	-1,28057E+14	1,80684E-09	20
OG6_111530	major facilitator superfamily, putative	LmxM.08_29.1520	-1,93439E+14	7,83891E-95	8
OG6_111964	WD domain, G-beta repeat, putative	LmxM.29.1400	-1,45281E+14	2,98116E-35	29
OG6_114159	EF-hand domain pair, putative	LmxM.33.1030	-1,42899E+14	4,20883E-18	33
OG6_114565	protein kinase, putative	LmxM.08.0660	-8,74421E+14	0,005838975	8
OG6_118060	kinesin, putative	LmxM.33.1540	-1,17306E+14	1,01394E-11	33
OG6_118090	NIMA-related kinase, putative	LmxM.34.5190	-1,14893E+14	0,002172512	34
OG6_118426	Present in the outer mitochondrial membrane proteome 22-2	LmxM.32.2930	-2,32281E+14	2,1623E-129	32
OG6_119096	ATG8/AUT7/APG8/PAZ2, putative	LmxM.19.0820	-3,52421E+14	2,04205E-12	19
		LmxM.19.0830	-3,43306E+14	3,31913E-69	19
		LmxM.19.0850	-3,02165E+14	4,15907E-93	19

		LmxM.19.0880	-4,74334E+14	0	19
OG6_120108	aspartate--ammonia ligase, putative	LmxM.26.0830	-8,45312E+14	1,13196E-06	26
OG6_122840	hypothetical protein, conserved	LmxM.30.0090	-1,05855E+14	7,39122E-08	30
OG6_123620	hypothetical protein, conserved	LmxM.28.0980	-1,96425E+14	9,05689E-31	28
OG6_123621	hypothetical protein, conserved	LmxM.07.0840	-1,03807E+14	5,84757E-05	7
		LmxM.33.0460	-1,06049E+14	0,001569288	33
OG6_124596	MORN repeat, putative	LmxM.03.0970	-1,19363E+14	2,49359E-18	3
OG6_124658	amino acid transporter aATP11, putative	LmxM.30.0580	-7,01809E+14	0,000679839	30
OG6_126911	Ankyrin repeats (3 copies), putative	LmxM.08_29.1100	-9,53468E+14	1,45256E-09	8
OG6_126972	hypothetical protein, conserved	LmxM.14.1220	-9,35134E+14	7,71135E-11	14
OG6_128060	lipase domain protein, putative	LmxM.08_29.1260	-1,10369E+14	7,3268E-22	8
		LmxM.08_29.1280	-8,31012E+13	2,08644E-06	8
OG6_131043	protein kinase, putative	LmxM.08.0930	-1,05217E+14	1,68106E-10	8
OG6_131624	major facilitator superfamily, putative	LmxM.11.0670	-8,57773E+14	3,38952E-07	11
OG6_132497	hypothetical protein, conserved	LmxM.26.1450	-1,03001E+14	3,28252E-07	26
OG6_132687	hypothetical protein, conserved	LmxM.21.0500	-1,27437E+14	1,48223E-05	21
OG6_132715	hypothetical protein, conserved	LmxM.10.0790	-8,11474E+14	0,000130352	10
OG6_133291	glycosomal malate dehydrogenase	LmxM.19.0710	-7,96704E+14	8,473E-07	19
OG6_134862	hypothetical protein, conserved	LmxM.10.0740	-1,30752E+14	6,88471E-25	10
OG6_134865	hypothetical protein, conserved	LmxM.09.0320	-8,83379E+14	1,0806E-07	9
OG6_134900	tuzin, putative	LmxM.08.0790	-1,13152E+14	2,69079E-14	8
OG6_136797	hypothetical protein, conserved	LmxM.02.0700	-8,24855E+14	0,00015074	2
OG6_137224	hypothetical protein, unkwon function	LmxM.34.5240	-1,42571E+14	4,3347E-19	34
OG6_137387	pentatricopeptide repeat domain containing protein, putative	LmxM.31.1210	-1,01732E+14	0,000195297	31
OG6_137794	chaperone protein DnaJ, putative	LmxM.31.3030	-1,17926E+14	0,000151123	31
OG6_138437	hypothetical protein, conserved	LmxM.08_29.2130	-1,05983E+14	3,78659E-09	8
OG6_138999	hypothetical protein	LmxM.31.3650	-1,45112E+12	1,50691E-36	ot Assigne
OG6_139114	CHAT domain containing protein, putative	LmxM.21.0180	-8,84572E+14	8,50694E-06	21
OG6_139145	hypothetical protein, conserved	LmxM.32.2640	-9,20533E+13	0,000196648	32
OG6_139228	hypothetical protein, conserved	LmxM.32.2960	-2,55853E+13	5,5433E-83	32
OG6_139685	WWE domain/WD domain, G-beta repeat, putative	LmxM.26.1400	-1,04047E+13	1,23571E-08	26
OG6_139701	hypothetical protein, conserved	LmxM.31.1220	-1,11103E+14	2,59292E-13	31
OG6_139790	hypothetical protein, conserved	LmxM.33.3990	-1,39425E+14	0,002626963	33
OG6_139795	hypothetical protein, conserved	LmxM.21.1360	-1,17796E+14	0,000283788	21
OG6_139819	hypothetical protein, conserved	LmxM.11.1020	-8,2641E+14	4,77338E-08	11
OG6_139826	Right handed beta helix region, putative	LmxM.08_29.2710	-1,5315E+14	1,34317E-36	8
OG6_140426	hypothetical protein	LmxM.04.0130	-2,42247E+14	1,3091E-161	4
OG6_140428	Flagellum adhesion protein 1	LmxM.10.0630	-9,96847E+14	8,12127E-14	10
OG6_142019	Repeat of unkwon function (DUF1126), putative	LmxM.08.1120	-1,26792E+14	6,37607E-28	8
OG6_142946	ion transport protein-like protein	LmxM.14.0540	-8,51567E+14	2,28702E-05	14
OG6_143148	hypothetical protein, conserved	LmxM.29.2650	-1,63495E+14	5,73083E-10	29
OG6_143225	Kinesin-13 3, putative	LmxM.24.0640	-1,04085E+14	3,08193E-10	24
OG6_143816	COPI associated protein, putative	LmxM.10.0260	-1,73815E+14	3,80123E-72	10
OG6_143842	serine/threonine-protein kinase a, putative	LmxM.32.1980	-1,31766E+13	1,0274E-16	32
OG6_143912	rib72 protein-like protein	LmxM.36.6380	-8,2744E+14	0,005692217	20
OG6_144302	hypothetical protein, conserved	LmxM.36.6030	-1,01327E+14	6,01113E-13	20
OG6_144399	WD domain, G-beta repeat, putative	LmxM.17.0170	-9,5684E+14	7,8857E-05	17
OG6_144554	hypothetical protein, conserved	LmxM.07.0320	-1,14142E+14	5,31228E-16	7
OG6_146137	Zinc finger, C3HC4 type (RING finger), putative	LmxM.10.1140	-1,20623E+14	2,97944E-19	10
OG6_146352	Domain of unkwon function (DUF4586), putative	LmxM.08_29.2560	-8,06765E+14	0,000765504	8

DOWNREGULATED

OG6_146420	paraflagellar rod protein 5, putative	LmxM.27.1850	-8,84978E+14	1,7214E-05	27
OG6_146509	paraflagellar rod component, putative	LmxM.36.5870	-1,93403E+14	2,07393E-71	20
OG6_146546	PSP1 C-terminal conserved region, putative	LmxM.10.0120	-1,35997E+14	1,10424E-13	10
OG6_146562	hypothetical protein, conserved	LmxM.16.1150	-9,27398E+14	0,000319068	16
OG6_146629	hypothetical protein, conserved	LmxM.08_29.0490	-9,41226E+14	6,94246E-05	8
OG6_146674	Ankyrin repeats (3 copies), putative	LmxM.08_29.0570	-1,10243E+14	4,47412E-08	8
OG6_146716	hypothetical protein, conserved	LmxM.08_29.0350	-7,14315E+14	0,000103581	8
OG6_146739	paraflagellar rod component, putative	LmxM.02.0310	-1,44747E+14	2,46881E-45	2
OG6_146843	hypothetical protein, conserved	LmxM.36.0520	-1,36984E+14	1,89656E-10	20
OG6_147015	caltractin, putative	LmxM.36.2430	-1,17817E+14	0,000885508	20
OG6_147106	hypothetical protein, conserved	LmxM.33.3710	-1,35149E+13	3,12889E-05	33
OG6_147130	hypothetical protein, conserved	LmxM.36.5300	-1,88313E+14	2,6396E-49	20
OG6_147131	hypothetical protein, conserved	LmxM.36.5290	-1,37193E+14	2,58503E-08	20
OG6_147148	hypothetical protein, conserved	LmxM.25.1660	-9,52263E+14	8,84947E-06	25
OG6_147154	centrin-3	LmxM.36.6110	-1,2358E+14	4,36242E-08	20
OG6_147174	hypothetical protein, conserved	LmxM.33.3310	-1,04645E+14	0,000287238	33
OG6_147203	SPRY domain/HECT-domain (ubiquitin-transferase), putative	LmxM.31.3930	-9,51137E+13	5,8325E-16	31
OG6_147244	paraflagellar rod component, putative	LmxM.09.1320	-1,47778E+14	3,21565E-46	9
OG6_147268	enolase, putative	LmxM.31.3760	-1,04324E+14	0,001233179	31
OG6_147370	paraflagellar rod protein, putative	LmxM.07.0310	-1,99756E+14	5,52095E-88	7
OG6_147399	hypothetical protein, conserved	LmxM.08.0370	-1,34437E+14	3,82187E-14	8
OG6_147466	hypothetical protein, conserved	LmxM.36.1290	-1,17458E+14	2,99971E-08	20
OG6_147478	hypothetical protein, conserved	LmxM.33.3040	-1,10637E+14	3,18011E-08	33
OG6_147611	hypothetical protein, conserved	LmxM.32.2240	-1,30532E+14	9,84929E-14	32
OG6_148195	hypothetical protein, unkwon function	LmxM.13.1260	-1,26327E+14	7,52244E-12	13
OG6_148249	AAA domain containing protein, putative	LmxM.16.0020	-1,12058E+14	0,001743602	16
OG6_148259	hypothetical protein, conserved	LmxM.26.1980	-2,35787E+14	7,39255E-61	26
OG6_148260	ATG8/AUT7/APG8/PAZ2, putative	LmxM.19.0870	-3,66593E+14	3,9637E-262	19
OG6_148271	hypothetical protein, conserved	LmxM.08_29.1170	-2,81157E+14	2,1945E-190	8
OG6_148291	hypothetical protein, conserved	LmxM.29.2700	-1,75267E+14	2,76728E-20	29
OG6_148304	hypothetical protein, conserved	LmxM.32.0950	-9,80818E+14	2,28702E-05	32
OG6_152783	metallo-peptidase, Clan MH, Family M18	LmxM.08_29.1570	-1,21866E+14	1,66687E-16	8
OG6_153981	GPR1/FUN34/yaaH family, putative	LmxM.03.0370	-9,75149E+14	0,000186147	3
OG6_154488	Fibronectin type III domain containing protein, putative	LmxM.26.2380	-1,25503E+14	3,00799E-16	26
OG6_154877	CRAL/TRIO domain containing protein, putative	LmxM.31.1260	-2,71137E+14	2,2595E-157	31
OG6_155629	DNAJ-domain transmembrane-like protein	LmxM.07.0770	-9,27175E+14	0,003019895	7
OG6_155901	cysteine peptidase, Clan CA, family C2, putative	LmxM.20.1190	-7,53454E+14	0,000543443	20
OG6_156284	Dpy-30 motif containing protein, putative	LmxM.08.0960	-1,25919E+13	5,70468E-37	8
OG6_156892	hypothetical protein, conserved	LmxM.08_29.1000	-1,42682E+13	3,96235E-46	8
OG6_156915	hypothetical protein, conserved	LmxM.16.1260	-1,06929E+14	4,25058E-22	16
OG6_156926	hypothetical protein, conserved	LmxM.18.1320	-1,10048E+14	6,63726E-10	18
OG6_156932	Dynein heavy chain and region D6 of dynein motor/Ankyrin repeats (3 copies), putative	LmxM.34.5340	-1,88001E+14	4,87467E-54	34
OG6_156939	hypothetical protein, conserved	LmxM.26.1180	-9,01345E+14	5,38E-06	26
OG6_157015	poly(A) polymerase, putative	LmxM.08_29.2600	-1,03178E+14	1,49263E-10	8
OG6_157022	hypothetical protein, conserved	LmxM.29.2390	-8,10751E+14	3,42912E-06	29
OG6_157029	hypothetical protein, conserved	LmxM.18.1640	-1,35052E+13	1,75562E-20	18
OG6_158041	hypothetical protein	LmxM.14.0720	-1,10125E+13	9,26425E-14	pt Assigne
OG6_158085	hypothetical protein, conserved	LmxM.20.1220	-1,33356E+14	2,94403E-31	20
OG6_158086	Domain of unkwon function (DUF1935), putative	LmxM.20.1230	-1,68053E+14	7,14223E-23	20

OG6_158096	thioredoxin, putative	LmxM.06.1190	-1,35986E+14	9,72351E-05	6
OG6_158163	hypothetical protein, conserved	LmxM.32.2940	-1,06539E+14	1,20343E-11	32
OG6_158192	hypothetical protein, conserved	LmxM.25.1790	-1,4674E+14	5,67124E-41	25
OG6_158205	Amastin surface glycoprotein, putative	LmxM.27.0540	-2,10599E+14	1,54806E-41	27
OG6_158236	hypothetical protein, conserved	LmxM.36.2160	-1,14626E+14	1,8294E-07	20
OG6_158240	hypothetical protein, conserved	LmxM.24.1990	-9,25302E+13	3,94739E-06	24
OG6_158277	hypothetical protein, conserved	LmxM.30.1670	-1,01226E+14	1,73987E-06	30
OG6_158322	hypothetical protein, conserved	LmxM.36.6525	-1,08379E+14	0,000916695	20
OG6_158339	hypothetical protein, conserved	LmxM.33.1210	-1,55521E+14	5,78843E-32	33
OG6_160024	sodium stibogluconate resistance protein, putative	LmxM.30.0930	-1,07139E+14	3,9948E-12	30
OG6_164241	putative serine esterase (DUF676), putative	LmxM.23.0780	-1,54597E+14	1,29034E-45	23
OG6_165611	DHHC palmitoyltransferase, putative	LmxM.29.1170	-1,44329E+14	6,70912E-46	29
OG6_166659	Zinc finger, C3HC4 type (RING finger), putative	LmxM.07.0370	-1,38655E+14	6,15931E-11	7
OG6_168403	amino acid transporter, putative	LmxM.30.0320	-2,16777E+14	5,13226E-12	30
OG6_172097	Amastin surface glycoprotein, putative	LmxM.10.0220	-8,03648E+14	0,004850012	10
OG6_172378	hypothetical protein, conserved	LmxM.16.0360	-9,31016E+14	2,54445E-10	16
OG6_173625	STE group serine/threonine-protein kinase, putative	LmxM.08.1228	-8,65294E+14	6,86596E-08	8
OG6_173628	surface antigen-like protein	LmxM.04.0210	-2,03863E+14	1,32319E-80	4
OG6_173637	hypothetical protein, conserved	LmxM.10.0590	-1,84034E+14	5,09049E-32	10
OG6_173640	Beat-regulation protein	LmxM.01.0620	-1,24409E+14	2,28544E-30	1
OG6_173647	CRAL/TRIO domain containing protein, putative	LmxM.15.0610	-1,00356E+14	1,25526E-09	15
OG6_173657	hypothetical protein, conserved	LmxM.17.0770	-1,57463E+14	3,34244E-11	17
OG6_173661	hypothetical protein, conserved	LmxM.08_29.0730	-9,62574E+14	1,7908E-08	8
OG6_173665	fatty acid elongase, putative	LmxM.14.0700	-1,7604E+14	6,01968E-45	14
OG6_173719	hypothetical protein, conserved	LmxM.31.1760	-1,10024E+14	7,4161E-17	31
OG6_173728	hypothetical protein, unkwon function	LmxM.08.0460	-1,41026E+14	7,74463E-39	8
OG6_173729	hypothetical protein, unkwon function	LmxM.08.0600	-1,67384E+14	1,97513E-27	8
OG6_173740	glycosomal membrane like protein	LmxM.24.0150	-1,23181E+14	5,41013E-17	24
OG6_173769	Domain of unkwon function (DUF1935), putative	LmxM.25.1750	-1,8179E+14	7,9829E-45	25
OG6_173800	hypothetical protein, conserved	LmxM.24.1950	-1,10017E+14	1,96383E-09	24
OG6_173824	hypothetical protein, unkwon function	LmxM.30.2040	-1,25848E+14	9,23266E-10	30
OG6_173833	hypothetical protein, conserved	LmxM.32.1170	-8,38604E+14	1,44329E-06	32
OG6_173838	hypothetical protein, conserved	LmxM.36.3090	-1,16165E+14	2,63917E-20	20
OG6_173853	I6202.3-like protein	LmxM.36.6000	-1,17556E+12	6,34167E-23	20
OG6_173854	TPR repeat, putative	LmxM.26.0370	-1,19144E+14	8,18778E-10	26
OG6_177227	hypothetical protein, conserved	LmxM.29.0100	-1,25902E+14	1,2241E-21	29
OG6_183713	Protein of unkwon function (DUF3735)/Abscisic acid G-protein coupled receptor, putative	LmxM.07.0330	-8,74452E+14	0,00291958	7
OG6_196427	hypothetical protein, conserved	LmxM.16.0900	-8,60678E+14	2,09329E-05	16
OG6_196479	hypothetical protein, unkwon function	LmxM.08_29.2220	-1,54835E+14	6,07204E-59	8
OG6_199669	kinesin-like protein	LmxM.05.0760	-2,57748E+14	1,6598E-164	5
OG6_199670	surface antigen-like protein	LmxM.05.0900	-3,86497E+13	5,086E-232	5
OG6_199695	hypothetical protein, conserved	LmxM.10.0280	-1,36405E+14	1,22569E-27	10
OG6_199696	hypothetical protein, conserved	LmxM.10.0320	-9,2234E+14	1,15185E-05	10
OG6_199697	hypothetical protein, conserved	LmxM.10.0330	-1,59661E+14	2,83709E-54	10
OG6_199744	hypothetical protein, unkwon function	LmxM.15.0570	-1,87617E+14	2,96295E-47	15
OG6_199792	hypothetical protein, unkwon function	LmxM.17.0860	-1,87418E+14	1,71083E-72	17
OG6_199819	hypothetical protein, unkwon function	LmxM.14.0560	-1,07293E+14	5,52306E-13	14
OG6_199821	fatty acid elongase, putative	LmxM.14.0630	-9,28454E+14	0,000311483	14
OG6_199842	hypothetical protein, conserved	LmxM.16.0470	-1,60642E+14	5,13611E-16	16

OG6_199935	hypothetical protein, unkwon function	LmxM.19.1360	-2,48527E+14	9,38361E-96	19
OG6_199937	cysteine peptidase, Clan CA, family C2, putative	LmxM.20.1200	-1,29539E+14	3,88171E-12	20
OG6_199952	Protein of unkwon function (DUF2946), putative	LmxM.20.0360	-1,17371E+14	2,30822E-18	20
OG6_200017	hypothetical protein, conserved	LmxM.08.0380	-8,66312E+13	0,000487052	8
OG6_200020	hypothetical protein, conserved	LmxM.08.0570	-2,1078E+14	2,00739E-39	8
OG6_200032	hypothetical protein, conserved	LmxM.08_29.1575	-8,58181E+14	9,52762E-08	8
OG6_200049	hypothetical protein, unkwon function	LmxM.24.0430	-1,3303E+13	1,6023E-09	24
OG6_200072	casein kinase I-like protein	LmxM.27.1780	-1,40459E+14	1,97892E-21	27
OG6_200074	hypothetical protein, conserved	LmxM.32.2890	-1,08024E+14	3,0076E-15	32
OG6_200075	hypothetical protein, unkwon function	LmxM.32.2900	-8,58055E+14	3,69455E-05	32
OG6_200076	hypothetical protein, conserved	LmxM.32.2910	-1,72976E+14	1,28109E-37	32
OG6_200078	hypothetical protein, conserved	LmxM.32.2980	-1,25756E+14	1,22522E-08	32
OG6_200111	hypothetical protein, unkwon function	LmxM.13.1250	-1,15844E+14	3,0259E-07	13
OG6_200113	hypothetical protein, unkwon function	LmxM.13.1310	-1,65679E+13	4,12527E-62	13
OG6_200150	hypothetical protein, conserved	LmxM.27.0660	-1,33134E+14	8,89348E-33	27
OG6_200166	Protein kinase domain containing protein, putative	LmxM.22.1150	-8,99753E+14	0,002251776	22
OG6_200202	hypothetical protein, conserved	LmxM.36.1220	-1,59468E+14	9,15688E-18	20
OG6_200229	hypothetical protein, unkwon function	LmxM.21.0460	-9,0177E+14	5,30731E-06	21
OG6_200256	hypothetical protein, conserved	LmxM.29.2620	-1,77851E+14	1,74029E-50	29
OG6_200274	hypothetical protein, unkwon function	LmxM.30.0760	-8,24101E+14	0,001259757	30
OG6_200285	hypothetical protein, unkwon function	LmxM.30.1230	-1,08489E+13	1,87927E-10	30
OG6_200289	hypothetical protein, conserved	LmxM.30.1420	-1,07944E+14	7,42187E-15	30
OG6_200308	hypothetical protein, unkwon function	LmxM.30.2240	-1,92652E+13	1,92494E-30	30
OG6_200313	hypothetical protein, unkwon function	LmxM.30.2440	-1,02849E+14	0,00074105	30
OG6_200344	protein, unkwon function	LmxM.32.1000	-8,62674E+14	0,001465578	32
OG6_200366	Amastin surface glycoprotein, putative	LmxM.36.4140	-1,80574E+14	2,1429E-31	20
OG6_200393	hypothetical protein, conserved	LmxM.36.6530	-1,39415E+14	5,22807E-28	20
OG6_200420	emp24/gp25L/p24 family/GOLD, putative	LmxM.33.0220	-1,0322E+14	9,70181E-05	33
OG6_200421	cysteine peptidase, Clan CA, family C2, putative	LmxM.33.0280	-1,71439E+14	4,4264E-45	33
OG6_200423	hypothetical protein, unkwon function	LmxM.33.0450	-1,08992E+14	2,58879E-11	33
OG6_200429	hypothetical protein, conserved	LmxM.33.0770	-1,03253E+14	0,002078891	33
OG6_200433	tuzin, putative	LmxM.08.0780	-1,3628E+14	9,99992E-27	8
OG6_200440	hypothetical protein, conserved	LmxM.33.1310	-9,45658E+14	1,78761E-12	33
OG6_200441	hypothetical protein, unkwon function	LmxM.33.1380	-8,21722E+14	0,000174578	33
OG6_200460	hypothetical protein, conserved	LmxM.33.3390	-7,8825E+14	0,000103431	33
OG6_200470	hypothetical protein, unkwon function	LmxM.28.0370	-1,18266E+14	1,06961E-06	28
OG6_200496	hypothetical protein, conserved	LmxM.28.2610	-8,12174E+14	2,22222E-06	28
OG6_200532	protein kinase, putative	LmxM.34.3170	-8,80791E+14	1,83953E-05	34
OG6_200534	hypothetical protein, unkwon function	LmxM.34.3300	-9,52347E+14	2,80256E-07	34
OG6_208722	hypothetical protein	LmxM.02.0230	-1,08174E+14	7,87691E-16	2
OG6_208757	histidine secretory acid phosphatase, putative	LmxM.36.6480	-1,56198E+14	1,27029E-42	20
OG6_444277	hypothetical protein	LmxM.33.3962	-2,21683E+14	1,85486E-07	33
OG6_478567	cysteine peptidase, Clan CA, family C2, putative	LmxM.30.0410	-8,51269E+14	2,45452E-09	30
OG6_478574	hypothetical protein, conserved	LmxM.28.2480	-9,94935E+14	0,007703915	28
OG6_478619	hypothetical protein, unkwon function	LmxM.29.0390	-1,51788E+14	1,39195E-22	29
OG6_478647	hypothetical protein, unkwon function	LmxM.32.3020	-8,07253E+13	0,000833399	32
OG6_478673	hypothetical protein, unkwon function	LmxM.14.0770	-9,54244E+14	2,10937E-08	14
OG6_478684	hypothetical protein, unkwon function	LmxM.26.1130	-1,50297E+14	5,21347E-42	26
OG6_478705	surface antigen-like protein	LmxM.05.1215	-1,15359E+14	1,19179E-14	5
OG6_478729	hypothetical protein, unkwon function	LmxM.15.0750	-2,9843E+14	2,58151E-11	15

OG6_478733	hypothetical protein, unkwon function	LmxM.30.0710	-1,43973E+13	1,75256E-25	30
OG6_478734	PSP1 C-terminal conserved region, putative	LmxM.08_29.1120	-1,10434E+14	1,79674E-12	8
OG6_478753	calpain-like cysteine peptidase, putative	LmxM.20.1300	-1,39334E+14	4,38927E-27	20
OG6_478765	hypothetical protein, conserved	LmxM.36.1905	-1,32713E+14	0,000812617	20
OG6_478767	hypothetical protein, unkwon function	LmxM.08_29.1410	-1,58646E+14	1,08115E-23	8
OG6_478768	hypothetical protein, unkwon function	LmxM.20.1020	-1,68497E+14	9,44007E-28	20
OG6_478826	hypothetical protein, conserved	LmxM.32.1440	-1,40007E+14	2,94466E-13	32
OG6_478844	hypothetical protein, conserved	LmxM.25.1820	-1,02084E+14	1,18846E-27	25
OG6_478865	hypothetical protein, unkwon function	LmxM.08.0580	-2,58379E+14	1,14112E-59	8
OG6_478870	Double RNA binding domain protein 12	LmxM.06.0770	-1,07584E+13	1,07691E-14	6
OG6_478899	surface antigen-like protein	LmxM.04.0200	-2,48282E+14	3,0402E-139	4
OG6_478931	hypothetical protein, unkwon function	LmxM.34.4210	-1,21517E+14	1,88734E-18	34
OG6_478937	hypothetical protein, conserved	LmxM.25.1000	-1,12663E+14	1,25503E-27	25
OG6_478952	hypothetical protein, unkwon function	LmxM.30.2120	-1,17098E+14	5,13611E-16	30
OG6_478957	hypothetical protein, unkwon function	LmxM.05.0840	-7,11555E+14	0,000486574	5
OG6_479007	hypothetical protein, unkwon function	LmxM.08.0980	-1,57976E+13	1,50061E-19	8
OG6_479033	hypothetical protein, unkwon function	LmxM.15.0630	-2,05189E+14	2,84921E-76	15
OG6_479058	hypothetical protein, conserved	LmxM.26.2320	-9,14785E+14	5,16357E-10	26
OG6_479087	hypothetical protein, unkwon function	LmxM.30.2100	-1,14829E+14	0,000499306	30
OG6_479105	hypothetical protein, unkwon function	LmxM.20.1060	-1,57392E+14	1,45498E-24	20
OG6r2_127812	hypothetical protein, conserved	LmxM.28.1710	-7,33796E+14	0,001544179	28
OG6r2_309721	hypothetical protein, unkwon function	LmxM.33.3410	-1,41553E+13	3,2104E-07	33
OG6_100089	Phospholipid-translocating ATPase N-terminal/E1-E2 ATPase/haloacid dehalogenase-like hydrolase/Cation transport ATPase (P-type)/Phospholipid-translocating P-type ATPase C-terminal, putative	LbrM.13.2.204240	7,89824E+14	9,59286E-18	13
OG6_100111	AhpC/TSA family/Redoxin/C-terminal domain of 1-Cys peroxiredoxin, putative	LbrM.23.2.000050	6,40121E+13	3,316E-07	23
OG6_100190	RNA polymerase beta subunit/RNA polymerase Rpb2, domain 2/RNA polymerase Rpb2, domain 3/RNA polymerase Rpb2, domain 4/RNA polymerase Rpb2, domain 5/RNA polymerase Rpb2, domain 6/RNA polymerase Rpb2, domain 7, putative	LbrM.31.2.000270	8,68118E+14	2,82489E-27	31
OG6_100245	Alcohol dehydrogenase GroES-like domain/D-isomer specific 2-hydroxyacid dehydrogenase, NAD binding domain/Alanine dehydrogenase/PNT, C-terminal domain/NAD binding domain of 6-phosphogluconate dehydrogenase/Zinc-binding dehydrogenase, putative	LbrM.23.2.000400	8,3728E+13	2,23002E-24	23
OG6_100299	FKBP-type peptidyl-prolyl cis-trans isomerase/Tetratricopeptide repeat, putative	LbrM.19.2.001790	5,18785E+14	4,4153E-06	19
OG6_100301	V-type ATPase 116kDa subunit family, putative	LbrM.23.2.001750	9,57626E+14	2,71253E-16	23
OG6_100449	Cyclic nucleotide-binding domain containing protein, putative	LbrM.13.2.000150	5,65272E+14	7,43295E-07	13
OG6_100460	MobA-like NTP transferase domain/Nucleotidyl transferase/Bacterial transferase hexapeptide (six repeats), putative	LbrM.23.2.000120	1,23413E+14	2,32355E-77	23
OG6_100473	Thioredoxin/Endoplasmic reticulum protein ERp29, C-terminal domain containing protein, putative	LbrM.26.2.000670	8,5898E+14	3,32763E-38	26
OG6_100478	Thioredoxin/Thioredoxin-like domain/AhpC/TSA family, putative	LbrM.35.2.007320	4,78647E+14	3,24015E-12	35
OG6_100545	Regulator of chromosome condensation (RCC1) repeat, putative	LbrM.26.2.000750	4,88652E+14	0,008900504	26
OG6_100614	DnaJ domain/DnaJ C terminal domain/DnaJ central domain containing protein, putative	LbrM.27.2.002610	5,62466E+14	4,19311E-10	27
OG6_100659	Adenylosuccinate synthetase, putative	LbrM.13.2.000970	7,37171E+14	3,98071E-38	13
OG6_100672	Plug domain of Sec61p/SecY translocase, putative	LbrM.11.2.000850	6,16669E+14	0,001899976	11

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OG6_100727	Pyruvate phosphate dikinase, PEP/pyruvate binding domain/PEP-utilising enzyme, mobile domain/PEP-utilising enzyme, TIM barrel domain containing protein, putative	LbrM.11.2.000800	8,24221E+14	1,04522E-73	11
OG6_100920	Ribosomal protein S7p/S5e, putative	LbrM.11.2.203790	6,24795E+14	4,15677E-19	11
OG6_100924	Coenzyme A transferase, putative	LbrM.33.2.210450	5,03666E+14	2,60961E-07	33
OG6_101025	DEAD/DEAH box helicase/Helicase conserved C-terminal domain containing protein, putative	LbrM.23.2.001500	6,06147E+14	0,001837827	23
OG6_101108	Fructose-1-6-bisphosphatase, putative	LbrM.04.2.001170	5,61967E+14	8,50217E-11	4
OG6_101195	Glycine cleavage system P-protein, putative	LbrM.26.2.000050	5,98023E+14	1,30548E-07	26
OG6_101314	Possible Fer4-like domain in RNase L inhibitor, RLI/4Fe-4S binding domain/ABC transporter, putative	LbrM.21.2.000770	7,94832E+14	4,29152E-24	21
OG6_102266	Calreticulin family, putative	LbrM.31.2.002940	1,09658E+14	9,00851E-86	31
OG6_102618	Glucosidase II beta subunit-like/Glucosidase II beta subunit-like protein, putative	LbrM.26.2.001010	5,91018E+14	0,000128989	26
OG6_102985	Cofilin/tropomyosin-type actin-binding protein, putative	LbrM.20.2.001790	7,5485E+14	3,90761E-14	20
OG6_103499	Holliday junction DNA helicase ruvB N-terminus/ATPase family associated with various cellular activities (AAA)/Vps4 C terminal oligomerisation domain containing protein, putative	LbrM.13.2.000770	7,12595E+14	0,001412504	13
OG6_103568	hypothetical protein, conserved	LbrM.14.2.001620	4,72549E+14	0,002719235	14
OG6_103822	Squalene/phytoene synthase, putative	LbrM.31.2.003310	4,73589E+14	2,12965E-09	31
OG6_104110	Dpy-30 motif containing protein, putative	LbrM.13.2.001120	4,66542E+14	0,005861298	13
OG6_104253	hypothetical protein, conserved	LbrM.31.2.003600	6,45131E+14	1,4912E-11	31
OG6_105011	Domain of unkwon function (DUF4201), putative	LbrM.14.2.000210	6,62149E+14	0,002373215	14
OG6_105409	Inositol hexakisphosphate, putative	LbrM.23.2.001570	6,26856E+14	2,32453E-14	23
OG6_105548	hypothetical protein, conserved	LbrM.31.2.003040	8,05808E+14	0,00096662	31
OG6_105774	Endonuclease/Exonuclease/phosphatase family, putative	LbrM.11.2.000810	6,97271E+14	8,65844E-06	11
OG6_110552	hypothetical protein, conserved	LbrM.31.2.000110	9,38146E+14	5,52768E-26	31
OG6_112279	Methyltransferase domain containing protein, putative	LbrM.26.2.001920	4,8613E+14	1,06658E-09	26
OG6_122779	hypothetical protein, conserved	LbrM.14.2.000370	6,8738E+14	7,62891E-13	14
OG6_122898	Protein phosphatase 2C, putative	LbrM.14.2.000870	5,3089E+14	3,52841E-05	14
OG6_126960	hypothetical protein, conserved	LbrM.13.2.001340	5,87614E+14	0,001540225	20
OG6_127193	Protein kinase domain/Protein tyrosine kinase, putative	LbrM.26.2.000990	1,05246E+14	1,91496E-23	26
OG6_129011	Transmembrane amino acid transporter protein, putative	LbrM.14.2.000330	7,43538E+14	5,85733E-11	14
OG6_129174	Protein of unkwon function (DUF525), putative	LbrM.26.2.000590	6,73716E+14	1,52874E-05	26
OG6_129446	hypothetical protein, conserved	LbrM.26.2.002420	5,4851E+14	7,0156E-07	26
OG6_132287	MORN repeat/Kinesin motor domain containing protein, putative	LbrM.31.2.003050	8,14824E+14	2,57844E-17	31
OG6_133342	Major Facilitator Superfamily, putative	LbrM.05.2.000490	7,05936E+13	3,52932E-08	5
OG6_134886	hypothetical protein, conserved	LbrM.14.2.000100	5,84871E+14	1,79728E-07	14
OG6_136776	hypothetical protein, conserved	LbrM.23.2.000610	8,83668E+13	1,60135E-28	23
OG6_136979	ATPase family associated with various cellular activities (AAA)/Peptidase family M41, putative	LbrM.31.2.000870	6,24855E+14	2,21296E-10	31
OG6_137016	Radial spokehead-like protein, putative	LbrM.13.2.000250	7,36217E+14	1,10862E-09	13
OG6_139685	WWE domain/WD domain, G-beta repeat, putative	LbrM.26.2.001420	6,8504E+14	1,58365E-12	26
OG6_139752	Symplekin tight junction protein C terminal, putative	LbrM.31.2.002640	7,04052E+14	0,006330345	31
OG6_139798	hypothetical protein, conserved	LbrM.14.2.000390	6,5637E+14	8,28144E-18	14
OG6_139872	hypothetical protein, conserved	LbrM.14.2.000230	6,41448E+14	2,93447E-14	14
OG6_142599	Cytosol aminopeptidase family, catalytic domain containing protein, putative	LbrM.11.2.000410	7,46985E+14	3,84742E-14	11
OG6_143971	Beige/BEACH domain containing protein, putative	LbrM.23.2.000130	7,05894E+14	7,35305E-13	23
OG6_144353	Nodulin-like, putative	LbrM.11.2.001090	7,0228E+14	3,13587E-20	11
OG6_144702	Kinesin motor domain containing protein, putative	LbrM.11.2.000670	6,54431E+14	0,000648663	11

OG6_144726	GNS1/SUR4 family, putative	LbrM.14.2.000630	6,33407E+14	2,14735E-15	14
OG6_144796	hypothetical protein, conserved	LbrM.23.2.001190	8,78482E+14	1,16114E-07	23
OG6_146646	hypothetical protein, conserved	LbrM.13.2.000230	9,21697E+14	2,40156E-13	13
OG6_146662	hypothetical protein, conserved	LbrM.23.2.001050	6,75836E+14	1,18663E-07	23
OG6_146819	hypothetical protein, conserved	LbrM.26.2.001800	5,82704E+14	2,46523E-10	26
OG6_147208	FYVE zinc finger/Ras of Complex, Roc, domain of DAPkinase/Ras family, putative	LbrM.14.2.001340	6,45784E+14	0,001846405	14
OG6_147367	Domain of unkwon function(DUF2779), putative	LbrM.11.2.000070	6,45694E+14	0,000133078	11
OG6_147519	hypothetical protein, conserved	LbrM.23.2.000090	7,04076E+14	2,15488E-14	23
OG6_147579	Mitochondrial carrier protein, putative	LbrM.14.2.000970	6,3826E+14	0,000794656	14
OG6_148255	hypothetical protein, conserved	LbrM.23.2.000430	6,32195E+14	4,75819E-10	23
OG6_148258	hypothetical protein, conserved	LbrM.26.2.001880	5,95123E+14	4,74773E-16	26
OG6_150730	MORN repeat/FYVE zinc finger containing protein, putative	LbrM.26.2.001440	5,575E+14	7,78944E-07	26
OG6_154452	T-complex protein 10 C-terminus, putative	LbrM.13.2.001450	6,808E+14	1,62723E-11	13
OG6_157984	Legume-like lectin family, putative	LbrM.05.2.001070	5,21042E+14	0,00444965	5
OG6_158015	hypothetical protein, conserved	LbrM.11.2.000600	5,3207E+14	0,000218631	11
OG6_158045	C2 domain containing protein, putative	LbrM.14.2.001630	6,45056E+12	2,54175E-27	14
OG6_158270	hypothetical protein, conserved	LbrM.31.2.001200	5,60886E+14	0,008869232	31
OG6_158272	Protein phosphatase 2C, putative	LbrM.31.2.001080	6,63082E+14	4,7676E-24	31
OG6_172032	PAZ domain/Argonaute linker 2 domain/Piwi domain containing protein, putative	LbrM.11.2.000360	5,03023E+14	5,2652E-08	11
OG6_172725	Stealth protein CR2, conserved region 2/Stealth protein CR3, conserved region 3, putative	LbrM.23.2.001200	9,78518E+14	0,001940846	23
OG6_173437	Nucleoside transporter, putative	LbrM.11.2.000320	7,05455E+14	4,60633E-21	11
OG6_173605	DHHC palmitoyltransferase, putative	LbrM.11.2.000860	8,00742E+13	1,05833E-16	11
OG6_173629	hypothetical protein, conserved	LbrM.04.2.000270	7,61983E+14	3,70082E-37	4
OG6_173688	hypothetical protein, conserved	LbrM.23.2.000940	8,88826E+14	1,36609E-54	23
OG6_173689	hypothetical protein, conserved	LbrM.23.2.001080	1,31894E+14	3,23661E-14	23
OG6_173859	hypothetical protein, conserved	LbrM.20.2.001350	6,85055E+14	4,31847E-10	20
OG6_177213	Ubiquitin family, putative	LbrM.13.2.000550	7,43053E+14	2,1612E-30	13
OG6_199687	hypothetical protein, conserved	LbrM.04.2.000710	5,49761E+14	1,90726E-10	4
OG6_199690	hypothetical protein, conserved	LbrM.04.2.001150	7,58816E+14	0,006005865	4
OG6_199760	hypothetical protein, conserved	LbrM.11.2.000630	4,91314E+14	1,37802E-06	11
OG6_199761	hypothetical protein, conserved	LbrM.11.2.000740	6,53248E+14	6,06274E-13	11
OG6_199765	Flagellar-associated PapD-like, putative	LbrM.11.2.001080	7,87734E+14	4,28609E-32	11
OG6_199819	hypothetical protein, conserved	LbrM.14.2.000540	1,03619E+13	6,88571E-25	14
OG6_199894	hypothetical protein, conserved	LbrM.11.2.000220	9,72515E+14	3,74835E-09	23
OG6_199905	hypothetical protein, conserved	LbrM.23.2.001730	9,44634E+14	5,93829E-06	23
OG6_199917	hypothetical protein, conserved	LbrM.26.2.001910	7,19849E+14	4,31385E-30	26
OG6_199918	Protein kinase domain containing protein, putative	LbrM.26.2.001980	6,65486E+13	0,000300632	26
OG6_199952	Protein of unkwon function (DUF2946), putative	LbrM.20.2.004600	5,86965E+14	0,000698609	20
OG6_200104	hypothetical protein, conserved	LbrM.13.2.000400	6,49964E+14	9,15131E-20	13
OG6_200107	hypothetical protein, conserved	LbrM.13.2.000660	6,23981E+14	3,89436E-14	13
OG6_200113	Domain of unkwon function (DUF5075), putative	LbrM.13.2.001080	8,05858E+14	5,26068E-26	13
OG6_200114	Domain of unkwon function (DUF5075), putative	LbrM.13.2.001090	9,21233E+14	4,17931E-39	13
OG6_200118	hypothetical protein, conserved	LbrM.13.2.001460	6,91336E+14	0,000300632	13
OG6_200208	Ras of Complex, Roc, domain of DAPkinase/Ras family, putative	LbrM.35.2.002010	6,92457E+14	0,000155663	35
OG6_200267	Domain of unkwon function (DUF1935)/Calpain family cysteine protease, putative	LbrM.31.2.000520	7,0883E+14	1,37839E-22	31
OG6_200270	hypothetical protein, conserved	LbrM.31.2.000660	6,29694E+14	6,00266E-08	31

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OG6_200271	hypothetical protein, conserved	LbrM.31.2.000710	8,51965E+14	1,95207E-18	31
OG6_200281	Cytochrome b5-like Heme/Steroid binding domain containing protein, putative	LbrM.31.2.001380	5,73818E+14	3,33418E-19	31
OG6_200289	hypothetical protein, conserved	LbrM.31.2.001640	6,83866E+14	0,00760362	31
OG6_200294	Cullin protein neddylation domain containing protein, putative	LbrM.31.2.001950	5,45272E+14	4,09947E-06	31
OG6_200319	hypothetical protein, conserved	LbrM.31.2.209880	7,81851E+14	2,47812E-08	31
OG6_200320	hypothetical protein, conserved	LbrM.31.2.002910	8,40263E+14	5,25086E-21	31
OG6_200404	hypothetical protein, conserved	LbrM.26.2.000740	6,02508E+14	6,29176E-09	26
OG6_208744	hypothetical protein, conserved	LbrM.31.2.001350	7,86372E+14	2,23588E-05	31
OG6_444562	hypothetical protein, conserved	LbrM.26.2.001210	6,37077E+14	0,002896592	26
OG6_478558	hypothetical protein, conserved	LbrM.26.2.002080	6,564E+13	3,23839E-19	26
OG6_478561	hypothetical protein, conserved	LbrM.31.2.003000	7,70038E+14	6,53271E-06	31
OG6_478567	Domain of unkwon function (DUF1935)/Calpain family cysteine protease, putative	LbrM.31.2.000580	7,1185E+14	4,71224E-06	31
OG6_478573	hypothetical protein, conserved	LbrM.31.2.000830	9,32567E+14	2,5282E-42	31
OG6_478600	hypothetical protein, conserved	LbrM.31.2.002400	8,55262E+13	3,04896E-23	31
OG6_478608	hypothetical protein, conserved	LbrM.31.2.002081	7,68395E+14	3,26677E-16	31
OG6_478626	hypothetical protein, conserved	LbrM.31.2.003130	7,90433E+14	1,874E-19	31
OG6_478654	hypothetical protein, conserved	LbrM.04.2.000850	6,30743E+13	2,39195E-10	4
OG6_478660	hypothetical protein, conserved	LbrM.31.2.001470	6,72281E+14	1,04699E-06	31
OG6_478714	hypothetical protein, conserved	LbrM.31.2.003020	6,54484E+14	3,27863E-10	31
OG6_478722	hypothetical protein, conserved	LbrM.31.2.001530	5,92488E+14	6,17591E-06	31
OG6_478755	hypothetical protein, conserved	LbrM.23.2.000010	9,69783E+14	2,46925E-07	23
OG6_478881	hypothetical protein, conserved	LbrM.33.2.001480	6,74759E+13	2,4265E-08	33
OG6_478890	hypothetical protein, conserved	LbrM.31.2.003680	7,01701E+14	9,97156E-20	31
OG6_478924	hypothetical protein, conserved	LbrM.04.2.000770	6,34503E+14	0,000223598	4
OG6_479006	hypothetical protein, conserved	LbrM.23.2.001410	8,02825E+14	3,9287E-08	23
OG6_479026	hypothetical protein, conserved	LbrM.31.2.002450	1,12361E+14	1,87284E-16	31
OG6_479066	hypothetical protein, conserved	LbrM.04.2.000450	5,36061E+14	1,89548E-22	4
OG6_479070	hypothetical protein, conserved	LbrM.31.2.000840	7,87869E+13	1,34602E-11	31
OG6_479104	hypothetical protein, conserved	LbrM.32.2.002840	7,22535E+14	3,94851E-24	32
OG6_100082	Core histone H2A/H2B/H3/H4, putative	LbrM.09.2.202960	-3,85815E+14	0,006408647	9
OG6_100154	Pyridoxal-phosphate dependent enzyme, putative	LbrM.35.2.003820	-1,24323E+14	2,44806E-24	35
OG6_100234	Ribosomal Proteins L2, RNA binding domain/Ribosomal Proteins L2, C-terminal domain containing protein, putative	LbrM.32.2.004140	-7,75766E+14	8,93584E-18	34
		LbrM.34.2.210680	-8,64361E+14	0,000481394	34
OG6_100294	TGS domain/Threonyl and Alanyl tRNA synthetase second additional domain/tRNA synthetase class II core domain (G, H, P, S and T)/Anticodon binding domain containing protein, putative	LbrM.34.2.001330	-6,57766E+14	2,94466E-11	34
OG6_100311	Dehydrogenase E1 component/Transketolase, pyrimidine binding domain/2-oxoglutarate dehydrogenase C-terminal, putative	LbrM.27.2.000960	-4,88602E+14	0,000603159	27
OG6_100353	Cys/Met metabolism PLP-dependent enzyme/DegT/DnrJ/EryC1/StrS aminotransferase family, putative	LbrM.34.2.003140	-9,88772E+14	1,02735E-27	34
OG6_100370	Ribosomal protein L14p/L23e, putative	LbrM.34.2.211040	-8,00798E+14	7,04364E-49	34
		LbrM.34.2.211050	-7,76175E+14	3,06368E-36	34
OG6_100613	FGGY family of carbohydrate kinases, N-terminal domain/FGGY family of carbohydrate kinases, C-terminal domain containing protein, putative	LbrM.34.2.002990	-1,08123E+14	2,1612E-30	34
OG6_100640	Inosine-uridine preferring nucleoside hydrolase, putative	LbrM.18.2.001610	-7,02611E+14	4,46133E-10	18
OG6_100702	Ribosomal protein L32, putative	LbrM.34.2.210750	-7,51691E+14	1,38358E-49	34
OG6_100706	Ribosomal protein L31e, putative	LbrM.34.2.210790	-8,00327E+14	1,50486E-17	34
		LbrM.34.2.210800	-7,27957E+14	2,51784E-21	34

DOWNREGULATED

OG6_100733	Ribosomal L15, putative	LbrM.34.2.210720	-8,66575E+14	3,31952E-67	34
OG6_100737	Ribosomal protein S6e, putative	LbrM.34.2.210740	-5,93944E+14	6,04886E-34	34
OG6_100787	Methyltransferase domain/ubiE/COQ5 methyltransferase family, putative	LbrM.34.2.001480	-1,01632E+14	9,76748E-17	34
OG6_100790	Ribosomal proteins L26 eukaryotic, L24P archaeal/KOW motif containing protein, putative	LbrM.34.2.210690	-8,70637E+14	8,48318E-46	34
OG6_100843	Ribosomal protein L11, N-terminal domain/Ribosomal protein L11, RNA binding domain containing protein, putative	LbrM.34.2.210760	-8,47094E+13	3,32763E-38	34
OG6_100932	Ribosomal protein L7Ae/L30e/S12e/Gadd45 family, putative	LbrM.34.2.000280	-8,07626E+14	9,42625E-34	34
OG6_101208	Ribosomal L18ae/LX protein domain containing protein, putative	LbrM.34.2.210570	-6,7924E+14	3,29635E-31	34
OG6_101322	Ribosomal protein L36e, putative	LbrM.34.2.210730	-8,11125E+14	2,16176E-36	34
OG6_101362	hypothetical protein, conserved	LbrM.34.2.002280	-7,64535E+14	2,29827E-09	34
OG6_101586	DNA polymerase family B, exonuclease domain/Predicted 3'-5' exonuclease related to the exonuclease domain of PolB/RNase_H superfamily/DNA polymerase family B/Domain of unkwon function (DUF1744), putative	LbrM.34.2.004340	-6,54289E+14	0,000995929	34
OG6_101827	alpha/beta hydrolase fold/Serine aminopeptidase, S33/Alpha/beta hydrolase family, putative	LbrM.34.2.004000	-8,77748E+14	4,88925E-07	34
OG6_101857	Platelet-activating factor acetylhydrolase, isoform II/Alpha/beta hydrolase family, putative	LbrM.34.2.002930	-7,29813E+14	3,31884E-15	34
OG6_101949	Peroxidase, putative	LbrM.20.2.000150	-7,73616E+14	8,32304E-12	20
OG6_102015	Aldehyde dehydrogenase family, putative	LbrM.35.2.001950	-8,19789E+14	0,000192965	35
OG6_102076	Glutamate-cysteine ligase, putative	LbrM.18.2.001700	-7,1231E+13	3,82368E-12	18
OG6_102172	Mycolic acid cyclopropane synthetase/Ribosomal protein L11 methyltransferase (PrmA)/Methyltransferase small domain/Methyltransferase domain/Nodulation protein S (NodS), putative	LbrM.34.2.004230	-9,53812E+14	5,36521E-14	34
OG6_102295	Aminopeptidase P, N-terminal domain/Metallopeptidase family M24, putative	LbrM.34.2.002300	-9,47426E+14	1,21741E-21	34
OG6_102329	UBX domain containing protein, putative	LbrM.34.2.001880	-1,09672E+14	8,60187E-09	34
OG6_102382	CRAL/TRIO domain containing protein, putative	LbrM.34.2.003490	-9,0387E+14	5,31163E-07	34
	CRAL/TRIO domain containing protein, putative	LbrM.34.2.003510	-6,70241E+12	7,30006E-07	34
OG6_103028	Cullin family, putative	LbrM.34.2.003730	-1,38334E+14	1,70607E-60	34
OG6_104298	MCM2/3/5 family, putative	LbrM.34.2.004870	-7,71801E+14	0,000127812	34
OG6_106314	Leucine carboxyl methyltransferase/Cupin-like domain containing protein, putative	LbrM.34.2.002850	-8,21444E+14	5,91116E-18	34
OG6_106381	hypothetical protein, conserved	LbrM.14.2.000950	-6,83439E+14	2,53984E-05	14
OG6_108093	FMN-dependent dehydrogenase, putative	LbrM.34.2.005270	-9,25674E+14	1,37583E-16	34
OG6_110859	hypothetical protein, conserved	LbrM.34.2.001380	-6,83522E+14	2,25672E-12	34
OG6_119691	Endonuclease/Exonuclease/phosphatase family, putative	LbrM.34.2.000700	-8,33897E+14	0,001275508	34
OG6_123569	hypothetical protein, conserved	LbrM.34.2.002460	-9,33975E+14	1,10059E-05	34
OG6_129589	Ankyrin repeats (3 copies)/Ankyrin repeats (many copies), putative	LbrM.34.2.001950	-1,2974E+14	9,22E-81	34
OG6_136414	hypothetical protein, conserved	LbrM.34.2.002430	-7,85902E+14	2,78278E-15	34
OG6_136424	Ubiquitin carboxyl-terminal hydrolase, putative	LbrM.34.2.002360	-7,42343E+14	2,14925E-09	34
OG6_136664	short chain dehydrogenase, putative	LbrM.34.2.002080	-8,41165E+14	1,90065E-24	34
OG6_136927	Thioredoxin, putative	LbrM.34.2.001250	-1,0507E+14	7,00855E-10	34
OG6_137277	hypothetical protein, conserved	LbrM.34.2.000100	-8,12061E+14	1,4093E-05	34
OG6_137602	Insulinase (Peptidase family M16)/Peptidase M16 inactive domain containing protein, putative	LbrM.34.2.210670	-6,32264E+14	9,45144E-05	34
OG6_139053	Protein tyrosine kinase/Protein kinase domain containing protein, putative	LbrM.27.2.000360	-9,64648E+13	3,88716E-20	34
OG6_139700	Down-regulated in metastasis, putative	LbrM.34.2.000660	-8,32778E+14	8,61494E-25	34
OG6_139715	hypothetical protein, conserved	LbrM.34.2.002590	-7,72589E+14	6,02657E-08	34
OG6_141827	Cgr1 family, putative	LbrM.34.2.004620	-1,0714E+14	0,005205692	34

OG6_141948	short chain dehydrogenase, putative	LbrM.34.2.002100	-9,5898E+14	1,42473E-29	34
OG6_142337	hypothetical protein, conserved	LbrM.34.2.002840	-7,6027E+14	0,003061542	34
OG6_143018	hypothetical protein, conserved	LbrM.29.2.002910	-1,13736E+14	0,006356587	34
OG6_143825	CBS domain containing protein, putative	LbrM.34.2.000750	-6,80432E+14	1,1882E-07	34
OG6_143942	Phosphotransferase enzyme family/Choline/ethanolamine kinase, putative	LbrM.34.2.001390	-7,25196E+14	0,00090429	34
OG6_146032	PGAP1-like protein, putative	LbrM.34.2.004330	-7,08939E+14	3,0273E-23	34
OG6_146483	hypothetical protein, conserved	LbrM.34.2.004890	-9,04599E+14	0,000130487	34
OG6_146579	hypothetical protein, conserved	LbrM.34.2.002350	-6,42662E+14	1,65336E-19	34
OG6_146717	hypothetical protein, conserved	LbrM.29.2.000190	-6,44984E+14	0,001837207	29
OG6_146720	hypothetical protein, conserved	LbrM.34.2.003280	-7,25449E+14	3,22572E-09	34
OG6_146726	DnaJ domain containing protein, putative	LbrM.34.2.003000	-1,32192E+14	2,83721E-08	34
OG6_146796	HECT-domain (ubiquitin-transferase), putative	LbrM.34.2.002400	-6,5376E+14	2,27363E-10	34
OG6_146829	T-complex protein 11, putative	LbrM.30.2.003460	-6,97798E+14	2,0999E-09	30
OG6_147089	hypothetical protein, conserved	LbrM.34.2.000330	-1,66782E+14	2,99781E-67	34
OG6_147091	Lipase (class 3), putative	LbrM.34.2.002070	-1,17479E+13	2,86409E-17	34
OG6_147282	hypothetical protein, conserved	LbrM.34.2.001780	-9,50694E+14	4,49967E-21	34
OG6_147574	hypothetical protein, conserved	LbrM.34.2.001500	-1,00977E+13	1,99618E-11	34
OG6_148318	TPR repeat/Tetratricopeptide repeat/Protein tyrosine kinase/Protein kinase domain/HECT-domain (ubiquitin-transferase), putative	LbrM.34.2.003980	-4,83419E+14	0,005855753	34
OG6_151831	hypothetical protein, conserved	LbrM.34.2.003030	-1,00636E+14	5,06479E-39	34
OG6_156148	hypothetical protein, conserved	LbrM.34.2.004360	-1,07879E+14	1,1523E-13	34
OG6_156931	hypothetical protein, conserved	LbrM.34.2.005070	-9,11213E+14	0,000525824	34
OG6_157025	hypothetical protein, conserved	LbrM.35.2.005460	-8,9226E+14	1,5728E-14	35
OG6_158223	hypothetical protein, conserved	LbrM.34.2.000180	-8,12224E+14	1,05455E-09	34
OG6_158396	SPRY domain/HECT-domain (ubiquitin-transferase), putative	LbrM.34.2.005330	-5,74396E+14	6,06307E-12	34
OG6_167488	hypothetical protein, conserved	LbrM.34.2.001370	-6,94648E+14	3,04338E-19	34
OG6_172133	Eukaryotic protein of unkwon function (DUF1764), putative	LbrM.34.2.002310	-1,22595E+14	4,22257E-06	34
OG6_177235	Glyceraldehyde 3-phosphate dehydrogenase, NAD binding domain/Glyceraldehyde 3-phosphate dehydrogenase, C-terminal domain containing protein, putative	LbrM.34.2.004710	-7,62441E+14	0,000185285	34
OG6_190303	Histidine phosphatase superfamily (branch 1), putative	LbrM.34.2.003100	-5,78259E+13	0,003475148	34
OG6_199671	hypothetical protein, conserved	LbrM.05.2.000880	-6,99712E+14	4,0345E-09	5
OG6_200171	Arrestin (or S-antigen), N-terminal domain containing protein, putative	LbrM.34.2.000460	-6,66653E+14	0,009436945	34
OG6_200173	hypothetical protein, conserved	LbrM.34.2.000570	-6,17942E+14	4,31847E-10	34
OG6_200232	hypothetical protein, conserved	LbrM.34.2.001240	-6,63582E+14	9,70524E-13	34
OG6_200233	hypothetical protein, conserved	LbrM.34.2.001280	-7,85723E+14	3,62105E-05	34
OG6_200513	hypothetical protein, conserved	LbrM.34.2.001910	-1,00244E+14	2,35694E-09	34
OG6_200518	hypothetical protein, conserved	LbrM.34.2.002190	-7,35141E+14	2,84512E-18	34
OG6_200548	hypothetical protein, conserved	LbrM.34.2.004830	-7,35947E+14	6,55007E-13	34
OG6_443947	hypothetical protein, conserved	LbrM.34.2.002010	-7,97948E+14	4,4987E-06	34
OG6_444482	hypothetical protein, conserved	LbrM.25.2.001020	-1,0381E+14	2,3204E-33	25
OG6_478845	UAA transporter family, putative	LbrM.02.2.000370	-1,0297E+14	3,62634E-07	2
OG6_478851	hypothetical protein, conserved	LbrM.34.2.002050	-1,01382E+14	2,10876E-17	34
OG6_478942	hypothetical protein, conserved	LbrM.34.2.004110	-9,37601E+14	5,42027E-09	34
OG6_100082	histone H2B	LdBPK_091410.1	4,24532E+14	1,88107E-11	9
OG6_100108	alpha tubulin	LdBPK_130330.1	2,98245E+14	1,17752E-09	13
OG6_100109	serine carboxypeptidase (CBP1), putative	LdBPK_180450.1	6,21788E+14	1,60786E-06	18
OG6_100216	formate--tetrahydrofolate ligase	LdBPK_260310.1	9,1169E+14	2,94365E-12	26
		LdBPK_302590.1	1,58475E+14	1,42262E-63	30
OG6_100223	ATP-dependent Clp protease subunit, heat shock protein 100 (HSP100), putative	LdBPK_291360.1	1,00152E+14	3,70775E-43	29

OG6_100252	5'-AMP-activated protein kinase catalytic subunit alpha, putative	LdBPK_292140.1	1,12587E+14	2,17334E-17	29
OG6_100279	phospholipase c-like protein	LdBPK_302970.1	8,45101E+14	1,03296E-16	30
OG6_100295	membrane-bound acid phosphatase, putative	LdBPK_282850.1	9,35253E+13	3,92E-17	28
OG6_100306	D-lactate dehydrogenase-like protein	LdBPK_271940.1	7,45578E+14	0,000323833	27
OG6_100319	ATP-dependent 6-phosphofructokinase, glycosomal	LdBPK_292620.1	9,99366E+14	1,653E-90	29
OG6_100322	40S ribosomal protein S15A, putative	LdBPK_291920.1	1,00032E+14	3,5781E-108	29
OG6_100332	cysteinyI-tRNA synthetase, putative	LdBPK_120255.1	6,95015E+14	2,41318E-11	12
OG6_100354	phosphate-Repressible Phosphate Permease-like protein	LdBPK_030480.1	1,11643E+14	0,002433755	3
OG6_100368	carboxylase, putative	LdBPK_010050.1	1,08581E+14	1,0485E-55	1
OG6_100383	ribonuclease inhibitor-like protein	LdBPK_292920.1	1,05493E+14	6,63554E-35	29
OG6_100429	40S ribosomal protein S2	LdBPK_320460.1	4,44743E+14	1,18569E-14	32
OG6_100458	peptide methionine sulfoxide reductase-like	LdBPK_071320.1	1,89875E+14	6,73E-111	7
OG6_100493	cis-prenyltransferase-like protein	LdBPK_130020.1	9,53895E+14	6,71005E-20	13
OG6_100496	folypolyglutamate synthetase	LdBPK_362740.1	9,24639E+14	1,14083E-10	36
OG6_100532	60S ribosomal protein L35, putative	LdBPK_262350.1	3,56995E+14	5,86873E-11	26
OG6_100670	vacuolar protein sorting-associated protein 4	LdBPK_292610.1	9,40614E+14	1,48116E-06	29
OG6_100715	S-adenosylhomocysteine hydrolase	LdBPK_364100.1	3,7887E+14	7,44881E-05	36
OG6_100746	fatty acyl CoA synthetase 2, putative	LdBPK_010520.1	1,22428E+13	3,71184E-29	1
OG6_100778	aspartyl-tRNA synthetase, putative	LdBPK_300470.1	7,06194E+14	6,34128E-08	30
OG6_100789	60S ribosomal protein L5, putative	LdBPK_351870.1	3,39865E+13	5,2279E-05	35
OG6_100811	isoleucyl-tRNA synthetase, putative	LdBPK_365870.1	5,32549E+14	9,27488E-09	36
OG6_100836	tryparedoxin 2, putative	LdBPK_291240.1	6,51612E+14	1,84217E-08	29
		LdBPK_291250.1	5,22029E+14	1,27234E-25	29
OG6_100849	ribosomal protein L1a, putative	LdBPK_291160.1	1,04887E+14	9,3874E-231	29
OG6_100855	60S ribosomal protein L34, putative (fragment)	LdBPK_181380.1	7,16931E+14	1,07211E-07	18
OG6_100923	IPP transferase, putative	LdBPK_290980.1	6,62148E+14	5,16271E-06	29
OG6_100946	phosphodiesterase, putative	LdBPK_181100.1	6,20246E+14	5,1115E-09	18
OG6_101109	60S ribosomal protein L39, putative	LdBPK_292480.1	1,09303E+13	6,89374E-96	29
OG6_101127	ribosomal protein S7, putative	LdBPK_010440.1	6,9522E+14	5,52565E-14	1
OG6_101176	UDP-glucose:glycoprotein glucosyltransferase, putative	LdBPK_292230.1	7,40501E+14	6,78343E-12	29
OG6_101266	ribosomal protein L27, putative	LdBPK_322830.1	6,39576E+14	7,62377E-27	32
		LdBPK_322850.1	6,26894E+14	1,4681E-09	32
OG6_101267	diphthamide synthesis protein, putative	LdBPK_291900.1	9,30048E+14	0,001539376	29
OG6_101298	methylenetetrahydrofolate reductase, putative	LdBPK_366670.1	2,22268E+14	1,1896E-171	36
OG6_101380	ubiquitin carboxyl-terminal hydrolase, putative	LdBPK_292410.1	1,01678E+14	1,82194E-26	29
OG6_101427	dihydrofolate reductase-thymidylate synthase	LdBPK_060890.1	1,39879E+14	3,11887E-77	6
OG6_101429	6-phosphogluconolactonase	LdBPK_262730.1	9,22864E+14	3,82597E-34	26
OG6_101624	ribosomal protein L38, putative	LdBPK_030240.1	4,6968E+14	1,31614E-18	3
OG6_101754	major surface protease gp63, putative	LdBPK_280600.1	6,20535E+14	0,000693726	28
OG6_101793	cobalamin-dependent methionine synthase, putative	LdBPK_070240.1	1,25795E+14	1,19469E-85	7
OG6_101817	Eukaryotic protein of unkwon function (DUF914), putative	LdBPK_290970.1	8,58768E+14	6,91149E-32	29
OG6_101859	eukaryotic translation initiation factor 5, putative	LdBPK_340370.1	6,58192E+14	1,74215E-09	34
OG6_101861	LETM1 and EF-hand domain-containing protein 1, putative	LdBPK_291000.1	1,05657E+14	2,3753E-11	29
OG6_101882	mitochondrial carrier protein-like protein	LdBPK_292890.1	7,42199E+13	5,4048E-05	29
OG6_101992	vacuolar ATP synthase subunit c, putative	LdBPK_180560.1	8,49799E+14	1,21705E-12	18
OG6_102047	aspartyl aminopeptidase, putative	LdBPK_292470.1	9,08484E+14	1,10625E-14	29
OG6_102191	RNA polymerase-associated protein CTR9, putative	LdBPK_292660.1	8,03184E+14	0,001066574	29
OG6_102217	frataxin-like protein	LdBPK_251090.1	1,0525E+14	1,79843E-10	25
OG6_102241	Ras-related protein Rab4, putative	LdBPK_320520.1	7,48159E+14	5,85066E-22	32
OG6_102327	diphosphomevalonate decarboxylase, putative	LdBPK_180020.1	6,70941E+13	1,05098E-07	18

RELATED

OG6_102328	signal peptide peptidase, putative	LdBPK_290990.1	6,83463E+14	2,39327E-09	29
OG6_102609	phosphatidylinositol 3-related kinase, putative	LdBPK_321520.1	6,97776E+14	1,19588E-16	32
OG6_102726	myo-inositol/proton symporter (MIT)	LdBPK_240690.1	6,07173E+14	1,23501E-15	24
OG6_102801	hypothetical protein, conserved	LdBPK_323800.1	7,76089E+14	2,41318E-11	32
OG6_102839	Fumarate hydratase class I, cytosolic	LdBPK_292080.1	6,33247E+14	5,52625E-19	29
OG6_103116	hypothetical protein, conserved	LdBPK_281960.1	1,19661E+14	1,9301E-71	28
OG6_103299	D-isomer specific 2-hydroxyacid dehydrogenase (fragment)	LdBPK_044360.1	8,31361E+14	8,63829E-31	34
OG6_103621	putative NAD(P)H quinone oxidoreductase, PIG3 family, putative	LdBPK_291100.1	1,00579E+13	1,16318E-63	29
OG6_103834	methionine synthase reductase, mitochondrial precursor-like protein	LdBPK_364950.1	9,06616E+14	0,001745009	36
OG6_103950	putative intraflagellar transport protein C3	LdBPK_292870.1	8,28763E+14	1,47539E-26	29
OG6_104362	hypothetical protein, conserved	LdBPK_292050.1	1,04012E+14	5,10995E-12	29
OG6_104460	Ubiquinone biosynthesis protein COQ7, putative	LdBPK_292460.1	1,06777E+14	1,19004E-13	29
OG6_104522	leucine-rich repeat-containing protein	LdBPK_292320.1	9,33126E+14	4,67671E-06	29
OG6_105060	pre-RNA processing PIH1/Nop17, putative	LdBPK_181250.1	1,02625E+14	0,000650498	18
OG6_105113	serine/threonine kinase-like protein, putative	LdBPK_180650.1	6,78966E+14	4,50093E-12	18
OG6_105186	Present in the outer mitochondrial membrane proteome 37	LdBPK_292220.1	9,03509E+13	4,13374E-25	29
OG6_105939	metallo-peptidase, Clan MA(E) Family M32	LdBPK_130090.1	1,22052E+14	1,5896E-179	13
OG6_106020	hypothetical protein, conserved	LdBPK_291030.1	8,6009E+14	5,36087E-74	29
OG6_106116	hypothetical protein, conserved	LdBPK_180570.1	7,66E+14	3,53352E-16	18
OG6_106376	hypothetical protein, conserved	LdBPK_181040.1	8,20804E+13	3,95568E-06	18
OG6_107314	Generative cell specific 1 protein, putative	LdBPK_350450.1	4,10239E+13	0,000297816	35
OG6_107386	Leucine Rich repeats (2 copies), putative	LdBPK_191670.1	9,49929E+14	8,95405E-10	19
OG6_108435	glucose transporter 1	LdBPK_366560.1	7,60333E+13	1,7711E-105	36
OG6_108485	3-ketoacyl-CoA reductase, putative	LdBPK_331690.1	5,06196E+14	2,84989E-18	33
OG6_109035	hypothetical protein, conserved	LdBPK_292120.1	1,16241E+14	3,77389E-05	29
OG6_110278	hypothetical protein, conserved	LdBPK_161460.1	6,71494E+14	1,00549E-10	16
OG6_110995	paraflagellar rod protein 1D, putative	LdBPK_291890.1	3,06207E+14	0,000259176	29
OG6_111530	major facilitator superfamily, putative	LdBPK_291610.1	1,90874E+13	1,34339E-16	29
OG6_111776	tuzin like protein, putative	LdBPK_093020.1	9,43424E+14	4,66578E-07	29
OG6_115831	Nodulin-like, putative	LdBPK_291600.1	1,19085E+14	2,4036E-102	29
OG6_119261	DTW domain containing protein, putative	LdBPK_292280.1	8,83489E+14	5,96189E-09	29
OG6_121232	amino acid permease 3	LdBPK_310910.1	6,80988E+14	1,06521E-38	31
OG6_123134	hypothetical protein, conserved	LdBPK_292100.1	7,64862E+14	1,47546E-10	29
OG6_124604	3'5'-cyclic nucleotide phosphodiesterase, putative	LdBPK_292550.1	7,59521E+13	8,42675E-13	29
OG6_124605	heat shock protein Hsp20, putative	LdBPK_322410.1	5,12028E+14	0,000143461	32
OG6_124658	amino acid transporter aATP11, putative	LdBPK_310610.1	3,42369E+14	4,74092E-06	31
OG6_124947	hypothetical protein, conserved	LdBPK_291910.1	9,28184E+14	6,54857E-08	29
OG6_126725	cholinephosphate cytidyltransferase A, putative	LdBPK_181310.1	7,32061E+14	5,13676E-12	18
OG6_126911	Ankyrin repeats (3 copies), putative	LdBPK_291190.1	6,93975E+14	1,20261E-06	29
OG6_127035	dihydrolipoamide dehydrogenase, putative	LdBPK_291950.1	1,01238E+14	6,13533E-41	29
OG6_127055	cytochrome b5 1, putative	LdBPK_364910.1	1,304E+14	5,56781E-17	36
OG6_128060	lipase domain protein, putative	LdBPK_291350.1	9,49567E+14	6,11243E-33	29
		LdBPK_291370.1	6,06143E+14	0,00565335	29
OG6_132371	MFS transporter, putative	LdBPK_030390.1	1,21206E+14	3,58642E-50	3
OG6_132495	serine/threonine-protein kinase, putative	LdBPK_292680.1	9,94317E+14	7,45092E-74	29
OG6_132857	mitogen-activated protein kinase kinase 1	LdBPK_292430.1	1,0917E+14	3,22721E-60	29
OG6_134529	RNA binding protein, putative	LdBPK_291510.1	8,13598E+14	2,64609E-09	29
OG6_134873	nuclear RNA binding domain	LdBPK_320790.1	6,72978E+14	2,84709E-55	32
OG6_135390	META domain containing protein, putative	LdBPK_170990.1	4,08138E+14	3,47082E-17	17
OG6_135722	R-SNARE protein, putative	LdBPK_322310.1	8,24677E+14	4,28934E-06	32

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OG6_137617	Aminopeptidase M1, putative	LdBPK_292350.1	7,26599E+14	8,65894E-20	29
OG6_137915	hypothetical protein, conserved	LdBPK_292180.1	6,8217E+14	0,000158901	29
OG6_138227	Domain of unkwon function DUF21, putative	LdBPK_180140.1	7,12632E+12	1,04892E-07	18
OG6_138437	hypothetical protein, conserved	LdBPK_292240.1	9,88068E+14	3,6146E-122	29
OG6_138999	3-hydroxyisobutyryl-coenzyme a hydrolase-like protein	LdBPK_323810.1	7,06035E+14	6,74594E-23	32
		LdBPK_323820.1	7,25286E+14	1,16852E-44	32
OG6_139053	protein kinase, putative	LdBPK_351070.1	6,25984E+14	5,2279E-05	35
OG6_139701	hypothetical protein, conserved	LdBPK_321280.1	9,55187E+14	8,50476E-33	32
OG6_139706	3-beta hydroxysteroid dehydrogenase/isomerase family, putative	LdBPK_180080.1	8,41595E+12	4,81796E-20	18
OG6_139774	hypothetical protein, conserved	LdBPK_322730.1	9,47393E+14	0,000964623	32
OG6_139900	hypothetical protein, conserved	LdBPK_070190.1	1,11719E+14	4,67065E-11	7
OG6_142757	hypothetical protein, conserved	LdBPK_291940.1	1,0095E+14	1,85303E-44	29
OG6_143162	short chain dehydrogenase, putative	LdBPK_292200.1	6,4055E+14	1,03917E-06	29
OG6_144303	N-acetylglucosamyl transferase component GPI1, putative	LdBPK_292150.1	1,1573E+14	3,81932E-20	29
OG6_146352	Domain of unkwon function (DUF4586), putative	LdBPK_292670.1	7,0246E+14	2,79813E-06	29
OG6_146490	hypothetical protein, conserved	LdBPK_292980.1	9,57315E+14	6,70615E-05	29
OG6_146507	hypothetical protein, conserved	LdBPK_292020.1	1,4634E+14	4,02146E-34	29
OG6_146563	hypothetical protein, conserved	LdBPK_320010.1	6,99128E+14	0,001924972	32
OG6_146600	XPC-binding domain containing protein, putative	LdBPK_291700.1	7,61672E+14	0,005050191	29
OG6_146709	hypothetical protein, conserved	LdBPK_291560.1	8,02555E+14	3,11161E-11	29
OG6_146779	hypothetical protein, conserved	LdBPK_291200.1	8,38096E+14	0,009244422	29
OG6_146780	hypothetical protein, conserved	LdBPK_291040.1	8,07001E+14	0,001518074	29
OG6_146894	hypothetical protein, conserved	LdBPK_181450.1	7,62114E+14	2,13042E-10	18
OG6_147104	nucleosome assembly protein (NAP), putative	LdBPK_292450.1	1,02487E+14	3,43893E-09	29
OG6_147162	hypothetical protein, conserved	LdBPK_291800.1	8,61679E+14	1,20531E-15	29
OG6_147183	hypothetical protein, conserved	LdBPK_291980.1	1,07592E+14	7,24296E-28	29
OG6_147252	hypothetical protein, conserved	LdBPK_292700.1	1,22222E+14	4,27364E-16	29
OG6_147253	hypothetical protein, conserved	LdBPK_292750.1	8,85114E+14	3,12324E-07	29
OG6_147386	hypothetical protein, conserved	LdBPK_291120.1	6,47271E+14	6,84944E-09	29
OG6_147460	hypothetical protein, conserved	LdBPK_180550.1	6,54502E+14	1,06742E-05	18
OG6_147515	hypothetical protein, conserved	LdBPK_320510.1	1,09151E+14	7,01144E-17	32
OG6_148271	hypothetical protein, conserved	LdBPK_291260.1	6,41876E+14	1,78515E-20	29
OG6_151900	protein farnesyltransferase alpha subunit, putative	LdBPK_292070.1	9,9743E+14	0,000105904	29
OG6_151924	Family of unkwon function (DUF572), putative	LdBPK_291310.1	9,38372E+14	1,43474E-13	29
OG6_151983	hypothetical protein, conserved	LdBPK_323600.1	7,74413E+14	3,34348E-25	32
OG6_152783	glutamamyl carboxypeptidase, putative	LdBPK_291680.1	1,19705E+14	3,09524E-65	29
OG6_153198	hypothetical protein, unkwon function	LdBPK_170690.1	4,22125E+14	0,002927545	17
OG6_153956	Domain of unkwon function DUF21, putative	LdBPK_180130.1	8,43262E+13	1,42299E-10	18
OG6_153971	Nodulin-like, putative	LdBPK_362900.1	8,58768E+13	0,000904425	36
OG6_155549	hypothetical protein, conserved	LdBPK_291490.1	9,20976E+14	2,44311E-39	29
OG6_156168	Vesicle coat protein involved in Golgi to plasma membrane transport, putative	LdBPK_291930.1	7,46272E+13	4,21724E-27	29
OG6_156837	B-box zinc finger, putative	LdBPK_323550.1	7,35559E+14	3,43893E-09	32
OG6_156892	hypothetical protein, conserved	LdBPK_291090.1	9,45859E+13	8,59724E-34	29
OG6_156894	ABC transporter-like protein	LdBPK_291010.1	9,91803E+14	4,34987E-10	29
OG6_156973	hypothetical protein, conserved	LdBPK_292440.1	1,12771E+14	3,26909E-24	29
OG6_157010	hypothetical protein, conserved	LdBPK_292300.1	7,78094E+14	8,84601E-12	29
OG6_157060	hypothetical protein, conserved	LdBPK_190160.1	7,27388E+14	3,79848E-13	19
OG6_157097	hypothetical protein, conserved	LdBPK_262260.1	6,65824E+14	6,27708E-09	26
OG6_158065	cysteine peptidase, Clan CA, family C2, putative	LdBPK_181070.1	8,87694E+14	6,68054E-26	18
OG6_158102	hypothetical protein, conserved	LdBPK_320630.1	8,52864E+14	9,27722E-16	32

OG6_158121	Guanine nucleotide exchange factor in Golgi transport N-terminal/Sec7 domain containin	LdBPK_322890.1	6,15098E+14	0,000626971	32
OG6_158129	Flagellar Member 6	LdBPK_291130.1	9,10567E+14	0,000729869	29
OG6_158130	hypothetical protein, conserved	LdBPK_291380.1	9,00215E+14	3,58537E-05	29
OG6_158132	hypothetical protein, conserved	LdBPK_291580.1	1,18419E+14	2,87126E-36	29
OG6_158136	hypothetical protein, conserved	LdBPK_292360.1	8,94139E+14	2,7356E-07	29
OG6_158138	hypothetical protein, conserved	LdBPK_292730.1	9,1236E+14	0,001229396	29
OG6_158139	hypothetical protein, conserved	LdBPK_292790.1	8,75425E+14	4,38432E-14	29
OG6_158142	hypothetical protein, conserved	LdBPK_292950.1	1,14083E+14	2,63588E-06	29
OG6_158378	hypothetical protein, conserved	LdBPK_323160.1	6,23855E+14	6,37748E-08	32
OG6_164241	putative serine esterase (DUF676), putative	LdBPK_230950.1	8,39386E+12	1,8513E-12	23
OG6_173468	Lipase (class 3), putative	LdBPK_130200.1	7,71439E+14	5,26557E-18	13
OG6_173679	hypothetical protein, conserved	LdBPK_180300.1	1,11485E+14	2,1991E-153	18
OG6_173698	protein kinase, putative	LdBPK_262600.1	1,62323E+14	0	26
OG6_173732	hypothetical protein, conserved	LdBPK_291080.1	9,92752E+14	1,52571E-28	29
OG6_173734	Zn-finger domain protein, putative	LdBPK_291770.1	1,05193E+14	3,53864E-34	29
OG6_173736	MORN repeat, putative	LdBPK_291830.1	7,1194E+13	2,67447E-11	29
OG6_173738	DnaJ domain containing protein, putative	LdBPK_292010.1	1,44939E+14	4,14577E-40	29
OG6_177234	amastin-like surface protein, putative	LdBPK_291450.1	2,03397E+12	6,6286E-266	29
		LdBPK_341020.1	5,53843E+14	6,41133E-12	34
		LdBPK_341150.1	7,19643E+13	2,79193E-14	34
		LdBPK_341670.1	7,8568E+14	9,3401E-05	34
OG6_187665	ChaC-like protein, putative	LdBPK_221010.1	8,68593E+13	7,2957E-11	22
OG6_196516	Etoposide-induced protein 2.4 (EI24), putative	LdBPK_291280.1	1,01905E+14	5,53955E-06	29
OG6_199751	hypothetical protein, unkwon function	LdBPK_150150.1	9,82891E+14	0,000117784	15
OG6_199806	surface antigen-like protein	LdBPK_090630.1	7,05082E+14	0,000200033	9
OG6_199902	hypothetical protein, unkwon function	LdBPK_231520.1	1,26096E+14	9,422E-169	23
OG6_199979	hypothetical protein, unkwon function	LdBPK_320030.1	1,14408E+13	9,19274E-10	32
OG6_200024	hypothetical protein, unkwon function	LdBPK_291050.1	6,90927E+14	0,001969001	29
OG6_200027	tryparedoxin-like protein	LdBPK_291220.1	1,08993E+13	6,50093E-42	29
OG6_200029	hypothetical protein, conserved	LdBPK_291270.1	9,0584E+13	2,207E-33	29
OG6_200030	hypothetical protein, conserved	LdBPK_291290.1	9,59209E+14	1,01906E-09	29
OG6_200032	hypothetical protein, conserved	LdBPK_291690.1	1,1864E+14	1,68243E-33	29
OG6_200035	hypothetical protein, unkwon function	LdBPK_292040.1	1,10566E+13	3,4755E-05	29
OG6_200038	hypothetical protein, conserved	LdBPK_292160.1	6,95416E+14	4,47408E-07	29
OG6_200043	hypothetical protein, conserved	LdBPK_292720.1	9,21912E+14	1,53023E-08	29
OG6_200044	Present in the outer mitochondrial membrane proteome 24	LdBPK_292740.1	6,88483E+14	3,90695E-13	29
OG6_200155	pteridine transporter, putative	LdBPK_061320.1	1,89179E+14	0	6
OG6_200274	hypothetical protein, unkwon function	LdBPK_310790.1	6,72883E+14	1,28515E-06	31
OG6_200415	hypothetical protein, unkwon function	LdBPK_261440.1	4,55812E+13	9,37001E-06	26
OG6_200439	Protein of unkwon function (DUF3595), putative	LdBPK_341380.1	7,9111E+14	1,96815E-06	34
OG6_200489	hypothetical protein, conserved	LdBPK_281770.1	9,46626E+14	1,7435E-21	28
OG6_478574	hypothetical protein, conserved	LdBPK_282670.1	7,05146E+14	3,41385E-06	28
OG6_478616	A-1 protein, putative	LdBPK_291020.1	1,50107E+14	6,12896E-94	29
OG6_478635	tubercidin resistance protein, putative	LdBPK_312050.1	8,00642E+14	2,65313E-06	31
OG6_478726	hypothetical protein, unkwon function	LdBPK_292540.1	8,78036E+14	6,5039E-07	29
OG6_478734	PSP1 C-terminal conserved region, putative	LdBPK_291210.1	2,04316E+14	3,49706E-39	29
OG6_478746	hypothetical protein, unkwon function	LdBPK_100590.1	1,49798E+14	1,1787E-197	10
OG6_478767	hypothetical protein, unkwon function	LdBPK_291520.1	1,07673E+14	2,79537E-19	29
OG6_478774	hypothetical protein, unkwon function	LdBPK_181670.1	1,04219E+14	6,53596E-15	18
OG6_478836	hypothetical protein, unkwon function	LdBPK_291340.1	1,16039E+14	2,61315E-46	29

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OG6_478927	hypothetical protein, unkwon function	LdBPK_010720.1	1,01638E+13	8,83287E-12	1
OG6_479025	hypothetical protein, unkwon function	LdBPK_220110.1	9,06772E+14	6,79395E-22	22
OG6_479032	COPII coat assembly protein sec16, putative	LdBPK_291320.1	8,50603E+14	6,34401E-11	29
OG6_479033	hypothetical protein, unkwon function	LdBPK_150660.1	7,0242E+14	4,89219E-14	15
OG6r2_102111	histone H2A, putative	LdBPK_291850.1	6,31228E+14	2,292E-22	29
OG6r2_153259	poly(A) polymerase, putative	LdBPK_292710.1	1,03139E+14	1,4598E-15	29
OG6r2_308760	hydrophilic acylated surface protein a (fragment)	LdBPK_231240.1	9,32164E+14	0,00068018	23
OG6_100072	prostaglandin f2-alpha synthase	LdBPK_312210.1	-3,39308E+14	2,71229E-05	31
OG6_100218	glyceraldehyde 3-phosphate dehydrogenase, glycosomal	LdBPK_303000.1	-3,52434E+14	5,19979E-06	30
OG6_100227	elongation factor 1-alpha	LdBPK_170170.1	-3,59163E+14	3,86195E-12	17
OG6_100258	pyruvate kinase, putative	LdBPK_055450.1	-5,1862E+14	1,09199E-05	35
OG6_100275	seryl-tRNA synthetase	LdBPK_110100.1	-6,84459E+14	1,11752E-09	11
OG6_100283	14-3-3 protein 2, putative	LdBPK_110350.1	-8,38945E+14	1,26712E-41	11
OG6_100284	mitochondrial DNA topoisomerase II	LdBPK_151310.1	-8,97921E+13	4,42627E-20	15
OG6_100330	tatD related deoxyribonuclease, putative	LdBPK_111270.1	-7,49299E+14	0,001745009	11
OG6_100346	acidocalcisomal pyrophosphatase	LdBPK_110210.1	-7,59519E+14	4,94167E-08	11
OG6_100407	Organic solute transporter Ostalpha, putative	LdBPK_111190.1	-6,87004E+14	0,003450509	11
OG6_100431	short chain dehydrogenase, putative	LdBPK_340010.1	-5,58807E+14	1,98012E-18	34
OG6_100440	phosphoglycerate kinase C, glycosomal	LdBPK_200110.1	-9,32383E+14	3,00885E-30	20
OG6_100448	ribonucleoside-diphosphate reductase large chain, putative	LdBPK_280980.1	-7,43293E+14	8,99453E-05	28
OG6_100528	cyclophilin a, putative	LdBPK_250940.1	-7,21843E+14	4,19831E-36	25
OG6_100534	GMP reductase	LdBPK_170870.1	-6,99574E+14	2,31317E-21	17
OG6_100608	ATP synthase subunit beta, mitochondrial, putative	LdBPK_251210.1	-4,32858E+14	0,005020045	25
OG6_100672	protein transport protein SEC61 subunit alpha, putative	LdBPK_111050.1	-6,24678E+14	0,00023925	11
OG6_100727	pyruvate phosphate dikinase, putative	LdBPK_111000.1	-7,59326E+14	2,06968E-64	11
OG6_100771	ATP synthase F1, alpha subunit, putative	LdBPK_050510.1	-5,77974E+14	4,12436E-26	5
OG6_100882	proliferative cell nuclear antigen (PCNA), putative	LdBPK_151500.1	-9,40141E+14	7,59008E-12	15
OG6_100974	Sugar efflux transporter for intercellular exchange, putative	LdBPK_365100.1	-1,34092E+14	1,12243E-09	36
OG6_100975	6-phosphogluconate dehydrogenase, decarboxylating, putative	LdBPK_353390.1	-6,3723E+14	0,000171634	35
OG6_101050	elongation factor-1 gamma	LdBPK_091020.1	-6,25715E+14	2,61723E-23	9
OG6_101078	xanthine phosphoribosyltransferase	LdBPK_210990.1	-5,14953E+14	0,000875111	21
OG6_101207	proteasome alpha 7 subunit, putative	LdBPK_110240.1	-9,05855E+14	1,13156E-21	11
OG6_101383	cell division cycle protein 20	LdBPK_241790.1	-7,7723E+14	2,27368E-21	24
OG6_101538	protein tyrosine phosphatase, putative	LdBPK_050280.1	-5,07383E+13	1,34016E-10	5
OG6_101550	eukaryotic release factor 3, putative	LdBPK_111160.1	-6,52249E+13	4,03298E-07	11
OG6_101575	nucleolar RNA binding protein, putative	LdBPK_151430.1	-6,99617E+14	2,22208E-18	15
OG6_101818	3'-nucleotidase/nuclease, putative	LdBPK_120350.1	-6,22749E+14	9,21282E-45	12
		LdBPK_312380.1	-6,24028E+14	9,63926E-58	31
OG6_101832	IgE-dependent histamine-releasing factor, putative	LdBPK_241560.1	-7,34967E+14	1,28917E-14	24
OG6_102012	stress-induced protein sti1	LdBPK_081020.1	-4,78953E+14	3,33369E-15	8
OG6_102266	calreticulin, putative	LdBPK_312670.1	-4,20456E+14	6,56214E-07	31
OG6_102611	hypothetical protein, conserved	LdBPK_365110.1	-1,55336E+13	1,55228E-24	36
OG6_103052	asparaginyl-tRNA synthetase, putative	LdBPK_342110.1	-5,34846E+14	0,005028785	34
OG6_103408	Lanosterol 14-alpha demethylase	LdBPK_111100.1	-6,66685E+14	2,15248E-11	11
OG6_103524	histone-lysine N-methyltransferase, putative	LdBPK_070030.1	-6,11901E+14	0,006446547	7
		LdBPK_200030.1	-1,08874E+14	2,71025E-28	20
OG6_104195	major vault protein, putative	LdBPK_050060.1	-5,86531E+14	6,85433E-08	5
OG6_104427	ATP-binding cassette sub-family F member 1, putative	LdBPK_330340.1	-5,97778E+14	2,21624E-13	33
OG6_105939	metallo-peptidase, Clan MA(E) Family M32	LdBPK_332670.1	-6,54318E+14	8,91276E-23	33
OG6_117104	SNF2/RAD54 related DNA helicase, putative	LdBPK_110050.1	-9,38382E+14	2,08415E-25	11

OG6_127800	cyclin 1	LdBPK_090650.1	-8,02108E+14	2,18293E-31	9
OG6_129507	PIF1 helicase-like protein, putative	LdBPK_110320.1	-9,87376E+14	2,74595E-22	11
OG6_134831	Protein of unkwon function (DUF563), putative	LdBPK_110530.1	-1,35209E+14	2,99089E-46	11
OG6_139821	hypothetical protein, conserved	LdBPK_081190.1	-5,15405E+14	0,000101476	8
OG6_140430	hypothetical protein, conserved	LdBPK_170970.1	-5,00539E+14	2,65143E-11	17
OG6_142640	DNA ligase k alpha, putative	LdBPK_261320.1	-1,07687E+14	1,89353E-45	26
OG6_143858	cytoskeleton-associated protein CAP5.5, putative	LdBPK_310450.1	-4,92579E+14	0,001501558	31
OG6_146638	hypothetical protein, conserved	LdBPK_270950.1	-8,15856E+14	2,51694E-37	27
OG6_146977	PUF nine target 1	LdBPK_110730.1	-1,14022E+14	2,85028E-59	11
OG6_147133	hypothetical protein, conserved	LdBPK_110890.1	-8,3286E+14	2,94609E-08	11
OG6_147228	hypothetical protein, conserved	LdBPK_081010.1	-5,39816E+14	7,99118E-15	8
OG6_147320	oxidoreductase-like protein	LdBPK_191490.1	-5,34345E+14	1,82283E-28	19
OG6_147362	hypothetical protein, conserved	LdBPK_110260.1	-8,22178E+14	2,0237E-05	11
OG6_147365	PIF1 helicase-like protein, putative	LdBPK_110330.1	-1,14282E+14	0,002646429	11
OG6_147367	Domain of unkwon function(DUF2779), putative	LdBPK_110380.1	-8,73414E+14	3,53055E-06	11
OG6_148317	Gim5A protein, putative	LdBPK_353750.1	-5,07444E+14	2,47182E-10	35
OG6_157005	hypothetical protein, conserved	LdBPK_051110.1	-1,0357E+14	3,1998E-124	5
OG6_173605	zinc finger domain protein, putative	LdBPK_111080.1	-8,16203E+14	8,09895E-09	11
OG6_173817	hypothetical protein, conserved	LdBPK_310090.1	-5,02771E+14	0,003214155	31
OG6_199762	hypothetical protein, conserved	LdBPK_110950.1	-8,44584E+14	3,68144E-05	11
OG6_199867	hypothetical protein, conserved	LdBPK_211720.1	-5,92134E+14	9,40218E-09	21
OG6_478671	hypothetical protein, conserved	LdBPK_151300b.1	-6,15744E+14	0,001517653	15
OG6_100059	ATP-binding cassette protein subfamily B - member 2 - putative	LINF_340016200	2,08144E+14	3,17928E-17	34
OG6_100394	protein kinase-like protein	LINF_350023500	3,13159E+14	3,34636E-13	35
OG6_100436	pumilio protein 2 - putative	LINF_180019600	2,63755E+14	1,96693E-13	18
		LINF_330019100	2,83023E+14	2,57146E-26	33
OG6_100461	ATP-dependent RNA helicase - putative	LINF_320009100	3,17283E+14	5,10718E-55	32
OG6_100482	glycogen synthase kinase 3 - putative	LINF_180007700	2,41374E+13	1,3589E-08	18
OG6_100581	protein kinase - putative	LINF_300011100	4,13269E+14	5,98183E-29	30
OG6_100683	RNA-binding protein - putative	LINF_290019300	4,26166E+14	4,58894E-44	29
OG6_100819	ribulose-phosphate 3-epimerase - putative	LINF_350042200	2,65656E+14	1,17081E-11	35
OG6_101075	RNA-binding protein - putative	LINF_040016900	2,15882E+14	0,000366907	4
OG6_101144	clathrin heavy chain - putative	LINF_360022600	2,0664E+14	2,99799E-23	36
OG6_101250	protein transport protein SEC31 - putative	LINF_110017600	1,91187E+14	2,45188E-07	11
OG6_101783	ubiquitin-protein ligase-like - putative	LINF_070008000	2,53178E+14	1,07414E-27	7
OG6_102017	Cytochrome b5-like Heme/Steroid binding domain containing protein - putative	LINF_260019300	2,75537E+14	4,96216E-05	26
OG6_102685	BRO1-like domain/ALIX V-shaped domain binding to HIV - putative	LINF_270023300	2,30028E+13	9,82652E-07	27
OG6_102723	Flagellar-associated PapD-like/Zeta toxin - putative	LINF_300023000	2,91928E+14	2,00719E-05	30
OG6_102994	mitogen-activated protein kinase	LINF_360012800	3,10217E+14	4,7422E-06	36
OG6_103495	RNA-binding protein - putative	LINF_350027200	2,47271E+14	3,839E-15	35
OG6_103623	proteophosphoglycan ppg3 - putative	LINF_350010200	3,13779E+14	4,59939E-14	35
OG6_106247	protein phosphatase 2C-like protein	LINF_340030800	4,45707E+14	3,14046E-10	34
OG6_106383	calcium motive p-type ATPase - putative	LINF_350025900	2,5904E+13	2,65103E-45	35
OG6_107241	Patatin-like phospholipase - putative	LINF_340035800	4,13492E+14	5,36728E-32	34
OG6_107336	hypotetical protein- conserved	LINF_090013800	2,22219E+14	1,57538E-13	9
OG6_107794	eukaryotic translation initiation factor 2-alpha kinase - putative	LINF_340026700	3,60792E+14	4,79399E-35	34
OG6_108327	RNA binding protein - putative	LINF_290020000	4,18807E+14	5,68819E-11	29
		LINF_290020100	2,26905E+14	0,000742595	29
OG6_109072	protein mkt1 - putative	LINF_300040000	2,88771E+14	9,31782E-18	30
OG6_110249	hypothetical protein	LINF_150009800	4,88458E+14	2,24778E-59	15

OG6_111056	3'-5' exonuclease - putative	LINF_320024700	2,49486E+14	6,21332E-08	32
OG6_115636	Serine/threonine-protein kinase Nek1-related - putative	LINF_320007700	2,3982E+14	1,94221E-11	32
OG6_115730	receptor-type adenylate cyclase a-like protein	LINF_360040000	2,49081E+14	8,94897E-24	36
OG6_115879	calpain-like cysteine peptidase - putative	LINF_270010000	3,41689E+14	1,64875E-35	27
		LINF_270010100	2,40446E+14	1,01894E-07	27
		LINF_270010300	3,68957E+14	1,68947E-55	27
		LINF_270011100	2,99781E+14	2,24778E-59	27
OG6_117020	RNA recognition motif. (a.k.a. RRM - RBD - or RNP domain)/RNA recognition motif (a.k.a.	LINF_290036100	3,53393E+14	1,10124E-63	29
OG6_118053	dual specificity protein phosphatase - putative	LINF_340027100	2,98108E+14	8,66088E-18	34
OG6_118609	Kringle domain containing protein - putative	LINF_250009900	1,81963E+13	3,87152E-06	25
OG6_123621	hypotetical protein- conserved	LINF_070014400	3,13136E+13	3,18027E-41	7
OG6_124264	carnitine/choline acetyltransferase - putative	LINF_290019000	2,44118E+14	2,28547E-10	29
OG6_131020	Repressor of differentiation kinase 1 - putative	LINF_320013600	2,11194E+14	3,5652E-07	32
OG6_131624	Nodulin-like/Major Facilitator Superfamily - putative	LINF_110012400	2,76441E+14	1,69563E-12	11
OG6_134867	Concanavalin A-like lectin/glucanases superfamily/Beige/BEACH domain containing prote	LINF_330037100	2,16489E+14	2,17998E-15	33
OG6_136426	kinesin - putative	LINF_160020700	2,48565E+14	8,78168E-11	16
OG6_136657	zinc finger protein family member - putative	LINF_360014100	2,69018E+14	7,11853E-07	36
OG6_137063	hypotetical protein- conserved	LINF_020011100	1,80424E+14	2,2568E-07	2
OG6_137158	RNA recognition motif. (a.k.a. RRM - RBD - or RNP domain)/RNA recognition motif (a.k.a.	LINF_240021200	3,257E+14	5,91248E-30	24
OG6_137192	poly-zinc finger protein 2 - putative	LINF_360022700	2,87411E+14	8,10818E-18	36
OG6_138200	Flagellar Member 8	LINF_330040900	1,98606E+14	2,75122E-05	33
OG6_138526	epsin - putative	LINF_250012000	2,19784E+14	2,0329E-10	25
OG6_139067	N-terminal region of Chorein - a TM vesicle-mediated sorter - putative	LINF_160013300	2,26021E+14	1,8289E-16	16
OG6_139733	hypotetical protein- conserved	LINF_330023100	2,74333E+13	1,74855E-33	33
OG6_139841	Tubulin binding cofactor C - putative	LINF_190010700	1,68609E+14	0,001049205	19
OG6_139867	hypotetical protein- conserved	LINF_170011000	1,7489E+14	0,001142709	17
OG6_140433	phosphoglycan beta 1 -3 galactosyltransferase	LINF_020006700	3,99699E+14	2,75396E-77	2
OG6_143822	Temperature dependent protein affecting M2 dsRNA replication - putative	LINF_210014100	2,04041E+14	4,00021E-07	21
OG6_144262	hypotetical protein- conserved	LINF_280008300	3,43018E+14	1,01186E-09	28
OG6_146097	hypotetical protein- conserved	LINF_060012600	1,81277E+14	3,81457E-08	6
OG6_146551	hypotetical protein- conserved	LINF_040009300	1,76511E+14	9,76321E-05	4
OG6_146628	hypotetical protein- conserved	LINF_350048200	3,52229E+14	2,32799E-22	35
OG6_146661	protein kinase - putative	LINF_020011000	2,28664E+14	2,57509E-14	2
OG6_146753	kinesin - putative	LINF_350026000	2,32838E+13	1,03051E-12	35
OG6_146796	ubiquitin-protein ligase - putative	LINF_350029800	2,0407E+14	1,93353E-05	35
OG6_146799	cytochrome P450 reductase - putative	LINF_350030800	2,15317E+14	1,12173E-07	35
OG6_147004	C2 domain in Dock180 and Zizimin proteins - putative	LINF_290006000	1,76417E+14	4,98409E-05	29
OG6_147032	nuclear lim interactor-interacting factor - putative	LINF_360079600	3,94767E+14	2,80786E-13	36
OG6_147079	hypotetical protein- conserved	LINF_270013100	2,79838E+14	9,32966E-10	27
OG6_147101	zinc finger protein family member - putative	LINF_360013000	4,41421E+14	8,12237E-88	36
OG6_147529	protein kinase - putative	LINF_200012600	1,88018E+14	8,23418E-07	20
OG6_148257	microtubule-associated protein - putative	LINF_260024800	1,74158E+14	2,1825E-11	26
OG6_148265	conserved protein - unkwon function	LINF_200012300	3,59466E+14	7,69449E-46	20
OG6_148297	hypotetical protein- conserved	LINF_310020800	1,90284E+14	1,99665E-05	31
OG6_150779	serine/threonine kinase - putative	LINF_360051800	4,41402E+14	6,05455E-38	36
OG6_152172	Flagellar Member 7	LINF_320039000	1,87823E+14	2,72689E-07	32
OG6_152935	RNA guanylyltransferase - putative	LINF_320019300	2,04085E+14	4,98409E-05	32
OG6_156857	N-terminal region of Chorein - a TM vesicle-mediated sorter - putative	LINF_360020600	2,10903E+14	5,93559E-15	36
OG6_156900	Eukaryotic translation initiation factor 4 gamma type 2 - putative	LINF_150021000	1,77242E+14	3,19961E-13	15
OG6_157022	hypotetical protein- conserved	LINF_300029300	2,14508E+14	2,93159E-12	30

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OG6_157037	protein kinase - putative	LINF_320023900	2,69819E+14	0,000517647	32
OG6_157894	Zinc finger C-x8-C-x5-C-x3-H type (and similar) - putative	LINF_350015100	3,43081E+14	4,94317E-34	35
OG6_158175	hypotetical protein- conserved	LINF_250020700	2,78751E+14	6,5134E-23	25
OG6_158186	SPRY domain/HECT-domain (ubiquitin-transferase) - putative	LINF_130020100	2,18921E+14	3,29949E-18	13
OG6_158210	hypotetical protein- conserved	LINF_220006000	3,93197E+14	1,91522E-12	22
OG6_158313	hypotetical protein- conserved	LINF_360059300	2,59227E+14	4,94504E-05	36
OG6_158396	SPRY domain/HECT-domain (ubiquitin-transferase)	LINF_350059500	3,12737E+14	0,001184436	35
OG6_171325	N-terminal region of Chorein- a TM vesicle-mediated sorter - putative	LINF_090016200	2,0275E+14	1,41522E-12	9
OG6_171847	hypotetical protein- conserved	LINF_150015900	1,53265E+14	0,000158255	15
OG6_172134	hypotetical protein- conserved	LINF_350029100	2,43747E+14	4,18268E-16	35
OG6_173712	hypotetical protein- conserved	LINF_200012200	3,87064E+14	3,44105E-61	20
OG6_173713	conserved protein - unkwon function	LINF_200012400	3,64464E+14	1,56024E-41	20
OG6_173716	hypotetical protein- conserved	LINF_320015400	3,86828E+14	1,59569E-17	32
OG6_173793	zinc finger protein family member - putative	LINF_360012900	4,13035E+14	5,9182E-22	36
OG6_173794	mitogen-activated protein kinase-like protein	LINF_360014800	3,18597E+14	1,14014E-27	36
OG6_173820	RNA recognition motif. (a.k.a. RRM - RBD - or RNP domain) - putative	LINF_310016400	3,47225E+13	2,87106E-48	31
OG6_173876	Amastin surface glycoprotein - putative	LINF_280017000	2,99387E+14	1,05811E-11	28
OG6_177221	kinesin - putative	LINF_240019700	1,89051E+14	4,96036E-07	24
OG6_186388	hypotetical protein- conserved	LINF_310020000	4,61353E+14	2,43849E-39	31
OG6_187559	proteophosphoglycan ppg3 - putative	LINF_350010100	3,57713E+14	7,63541E-11	35
OG6_196323	protein kinase - putative	LINF_060012000	1,71399E+14	0,001029221	6
OG6_199794	hypotetical protein- conserved	LINF_170017000	2,64274E+14	4,06885E-24	17
OG6_199800	RNA-binding protein 5-like protein	LINF_090006000	3,40084E+14	0,000762369	9
OG6_199811	Ca2+-ATPase N terminal autoinhibitory domain containing protein - putative	LINF_290010000	2,92724E+14	4,65018E-15	29
OG6_199858	plectin - putative	LINF_210014300	2,04436E+13	3,88155E-13	21
OG6_199880	hypothetical protein	LINF_180018700	3,01278E+14	3,03931E-37	18
OG6_199882	hypotetical protein- conserved	LINF_180018900	3,62626E+14	1,09857E-12	18
OG6_199896	RNA recognition motif. (a.k.a. RRM - RBD - or RNP domain)/RNA recognition motif (a.k.a.	LINF_230014900	4,0735E+14	1,67362E-52	23
OG6_199928	hypotetical protein- conserved	LINF_190008600	2,57667E+14	4,35182E-11	19
OG6_200075	hypotetical protein- conserved	LINF_330038700	2,10928E+14	0,000136981	33
OG6_200076	hypotetical protein- conserved	LINF_330038900	2,72429E+14	4,70038E-09	33
OG6_200077	hypotetical protein- conserved	LINF_330039500	1,65662E+14	0,007356974	33
OG6_200078	hypotetical protein- conserved	LINF_330039600	2,82866E+14	2,38064E-07	33
OG6_200080	hypotetical protein- conserved	LINF_330039900	3,00843E+14	3,95867E-10	33
OG6_200090	hypotetical protein- conserved	LINF_250013500	1,64698E+14	3,09399E-05	25
OG6_200130	hypotetical protein- conserved	LINF_330030200	2,06397E+14	0,000379468	33
OG6_200131	hypotetical protein- conserved	LINF_330030700	3,10665E+14	0,001417366	33
OG6_200157	hypotetical protein- conserved	LINF_220008300	2,6041E+14	3,23236E-13	22
OG6_200164	hypotetical protein- conserved	LINF_220013400	3,3048E+14	3,51737E-27	22
OG6_200183	Zinc finger C-x8-C-x5-C-x3-H type (and similar) - putative	LINF_350014900	3,81622E+14	3,18652E-27	35
OG6_200254	Zinc finger C-x8-C-x5-C-x3-H type (and similar) - putative	LINF_300027400	4,33626E+14	1,25814E-77	30
OG6_200287	Cold-shock' DNA-binding domain containing protein - putative	LINF_310020100	4,07002E+13	2,03801E-06	31
OG6_200291	hypotetical protein- conserved	LINF_310022700	2,79349E+14	5,58984E-10	31
OG6_200345	PSP1 C-terminal conserved region containing protein - putative	LINF_330017600	2,4744E+14	1,09116E-09	33
OG6_200354	RNA recognition motif. (a.k.a. RRM - RBD - or RNP domain)/RNA recognition motif (a.k.a.	LINF_330022900	4,05121E+14	1,69193E-44	33
OG6_200372	related to elongation factor-2 kinase efk-1b isoform-like protein	LINF_360054800	2,74003E+13	0,002336722	36
OG6_200378	hypotetical protein- conserved	LINF_360064500	3,48768E+14	2,98671E-31	36
OG6_200428	ATP-binding cassette protein subfamily C - member 8 - putative	LINF_340012300	2,29819E+14	7,43765E-14	34
OG6_200435	amastin-like protein	LINF_340016100	2,76503E+14	2,76814E-05	34
OG6_200443	hypotetical protein- conserved	LINF_340025400	3,35319E+14	5,35536E-06	34

OG6_200447	hypotetical protein- conserved	LINF_340029200	4,20276E+14	0,002161255	34
OG6_200449	hypotetical protein- conserved	LINF_340031500	2,62739E+14	3,65106E-14	34
OG6_200507	hypotetical protein- conserved	LINF_320039700	4,31028E+14	4,36718E-69	32
OG6_200518	hypotetical protein- conserved	LINF_350027800	2,86971E+14	4,82532E-28	35
OG6_200520	hypotetical protein- conserved	LINF_350029600	3,31464E+14	6,83175E-44	35
OG6_200532	protein kinase - putative	LINF_350037100	2,00594E+14	1,06688E-05	35
OG6_200542	hypotetical protein- conserved	LINF_350048700	2,95026E+14	3,08564E-08	35
OG6_208746	protein kinase - putative	LINF_330031900	2,25471E+14	1,0968E-07	33
OG6_208757	tartrate-sensitive acid phosphatase acp-3.2 - putative	LINF_360076300	2,21718E+14	4,55832E-11	36
OG6_443966	4E-interacting protein - putative	LINF_350045300	4,16869E+14	4,78247E-83	35
OG6_444203	Present in the outer mitochondrial membrane proteome 22-1	LINF_330038800	2,36247E+14	0,000420896	33
OG6_444239	hypothetical protein	LINF_220021900	2,75289E+14	2,89257E-07	22
OG6_478562	hypotetical protein- conserved	LINF_150013900	2,0654E+14	0,000102183	15
OG6_478690	RNA binding protein - putative	LINF_290020300	4,4793E+14	3,58244E-62	29
OG6_478715	hypotetical protein- conserved	LINF_300039400	3,76566E+13	5,84677E-16	30
OG6_478720	hypotetical protein- conserved	LINF_200015400	2,86986E+14	0,002352231	20
OG6_478739	RNA-binding protein - putative	LINF_230015000	3,36314E+13	1,63768E-12	23
OG6_478762	hypotetical protein- conserved	LINF_110011800	3,12991E+14	3,82517E-34	11
OG6_478769	zinc finger protein family member - putative	LINF_350055000	3,26354E+14	1,54856E-39	35
OG6_478771	hypotetical protein- conserved	LINF_360056300	2,1453E+14	2,99135E-18	36
OG6_478834	hypotetical protein- conserved	LINF_120010100	4,2923E+14	2,17725E-07	12
OG6_478839	Myotubularin-related protein - putative	LINF_120008300	1,91835E+14	3,76316E-05	12
OG6_478872	hypotetical protein- conserved	LINF_110016400	3,45248E+14	1,47037E-45	11
OG6_478889	Protein of unkwon function (DUF3648) - putative	LINF_180020000	1,87347E+14	0,000169502	18
OG6_478893	ubiquitin protein ligase - putative	LINF_360053000	2,79166E+14	1,52041E-23	36
OG6_478907	hypotetical protein- conserved	LINF_270033890	3,64233E+14	9,65569E-14	27
OG6_478917	kinesin - putative	LINF_130011900	2,60394E+14	1,48243E-05	13
OG6_478919	hypotetical protein- conserved	LINF_310022500	4,02018E+14	6,58963E-61	31
OG6_478945	hypotetical protein- conserved	LINF_290028200	2,7468E+14	4,35385E-11	29
OG6_478948	Galactose oxidase - central domain containing protein - putative	LINF_250017200	2,45231E+14	6,44805E-20	25
OG6_478972	hypotetical protein- conserved	LINF_360062000	1,8207E+13	1,28396E-05	36
OG6_479009	RNA binding protein - putative	LINF_180010900	3,69477E+14	5,96265E-36	18
OG6_479072	hypotetical protein- conserved	LINF_310020200	3,54902E+14	1,6411E-05	31
OG6_100333	40S ribosomal protein S18 - putative	LINF_360015100	-1,7961E+14	0,000123715	36
OG6_100628	eukaryotic initiation factor 5a - putative	LINF_250012900	-2,44417E+14	1,2168E-10	25
OG6_100732	40S ribosomal protein S4 - putative	LINF_130017200	-1,67057E+14	7,90486E-07	13
OG6_100773	Ribosomal protein L19e - putative	LINF_060009400	-2,05833E+14	2,26594E-11	6
OG6_100832	40S ribosomal protein S17 - putative	LINF_280032900	-2,1262E+14	2,17781E-11	28
OG6_100852	60S ribosomal protein L37	LINF_330028300	-1,67255E+14	9,23487E-08	33
OG6_100935	40S ribosomal protein S23 - putative	LINF_210018200	-2,00879E+14	1,05157E-05	21
OG6_101127	ribosomal protein S7 - putative	LINF_010009200	-1,73326E+14	4,79043E-06	1
OG6_101266	ribosomal protein L27 - putative	LINF_320034100	-1,6534E+14	0,000591765	32
OG6_101591	ribosomal protein L29 - putative	LINF_360042600	-1,68307E+13	8,3765E-07	36
OG6_101819	40S ribosomal protein S21 - putative	LINF_110013300	-2,15591E+14	3,28107E-09	11
OG6_127429	60S acidic ribosomal protein P2GeneDB:LmjF.15.1203	LINF_150019500	-1,68874E+14	4,12715E-07	15
OG6_100236	glycosomal transporter, putative	LPMP_310520	7,18061E+14	3,8275E-18	31
OG6_100356	phosphoribosylpyrophosphate synthetase, putative	LPMP_332030	1,07568E+14	6,98636E-42	33
OG6_101202	tRNA-dihydrouridine synthase, putative	LPMP_170310	1,24967E+14	4,82879E-18	17
OG6_101384	protein kinase, putative	LPMP_270100	3,14013E+14	0	27
OG6_101632	CAAX prenyl protease 1, putative	LPMP_270040	2,62796E+14	0	27

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OG6_101655	FtsJ cell division protein, putative	LPMP_271980	1,16351E+14	4,34167E-21	27
OG6_101829	GTPase, putative	LPMP_050450	1,01975E+14	6,88751E-07	5
OG6_102011	proteasome alpha 7 subunit, putative	LPMP_270190	2,23756E+14	2,9165E-233	27
OG6_102313	hypothetical protein	LPMP_270210	2,56545E+14	0	27
OG6_102525	hypothetical protein	LPMP_110410	1,33781E+14	1,16101E-26	11
OG6_102591	RNA methyltransferase, putative	LPMP_281850	1,20384E+13	3,82913E-18	28
OG6_102606	hypothetical protein	LPMP_341670	9,76359E+14	0,004411373	34
OG6_102676	DEAD-box helicase-like protein	LPMP_270050	3,93071E+14	0	27
OG6_102758	hypothetical protein	LPMP_351930	1,31017E+14	9,66502E-15	35
OG6_103114	hypothetical protein	LPMP_270030	3,2206E+14	8,6423E-225	27
OG6_105392	phosphoglycan beta 1,3 galactosyltransferase-like protein	LPMP_071260	2,32311E+14	4,4139E-129	7
OG6_111055	peptidase T, putative	LPMP_170160	1,05318E+14	1,71372E-31	17
OG6_111836	X-pro, dipeptidyl-peptidase,serine peptidase, Clan SC, family S15, putative	LPMP_282060	6,09936E+14	0,005635373	28
OG6_127811	hypothetical protein	LPMP_100850	8,40146E+13	4,16789E-13	10
OG6_138020	hypothetical protein	LPMP_261760	1,02182E+14	7,64643E-44	26
OG6_142804	hypothetical protein	LPMP_341000	1,32049E+14	1,14278E-20	34
OG6_144282	hypothetical protein	LPMP_270120	3,09404E+14	0	27
OG6_144301	hypothetical protein	LPMP_270230	2,87714E+14	5,2285E-153	27
OG6_145768	hypothetical protein	LPMP_355750	9,02539E+13	1,00955E-06	35
OG6_145839	hypothetical protein	LPMP_280740	1,03511E+13	5,85569E-25	28
OG6_146435	hypothetical protein	LPMP_283150	8,92487E+14	1,73594E-05	28
OG6_146550	hypothetical protein	LPMP_040450	1,01615E+14	0,007497428	4
OG6_146697	peptidase M24-like protein	LPMP_130570	9,11891E+14	1,13323E-10	13
OG6_146730	hypothetical protein	LPMP_240570	9,64966E+14	8,37409E-08	24
OG6_147185	hypothetical protein	LPMP_321450	8,08978E+14	0,000179841	32
OG6_147314	hypothetical protein	LPMP_270200	3,02098E+14	1,8428E-167	27
OG6_147315	hypothetical protein	LPMP_270180	3,13375E+14	2,0532E-152	27
OG6_147317	hypothetical protein	LPMP_270160	2,94042E+14	4,1925E-211	27
OG6_147318	hypothetical protein	LPMP_270150	2,69504E+14	1,0927E-252	27
OG6_147321	hypothetical protein	LPMP_270110	2,49045E+14	0	27
OG6_147394	hypothetical protein	LPMP_270010	3,32744E+14	9,8048E-176	27
OG6_147400	hypothetical protein	LPMP_080450	7,20682E+14	4,51788E-07	8
OG6_156850	pumilio/PUF RNA binding protein 7, putative	LPMP_321840	9,65058E+14	5,11218E-07	32
OG6_157024	serine/threonine protein phosphatase-like protein	LPMP_262060	7,66619E+14	0,000872905	26
OG6_157041	hypothetical protein	LPMP_270220	3,21275E+14	3,2303E-147	27
OG6_158208	hypothetical protein	LPMP_270060	3,36047E+14	4,3323E-140	27
OG6_173775	hypothetical protein	LPMP_270170	3,07683E+14	4,5405E-282	27
OG6_173776	hypothetical protein	LPMP_270080	2,99866E+14	9,4789E-197	27
OG6_173777	hypothetical protein	LPMP_270070	3,67733E+14	0	27
OG6_200153	hypothetical protein	LPMP_270140	2,19439E+14	4,7365E-178	27
OG6_478871	hypothetical protein	LPMP_321460	2,1709E+14	2,40094E-41	32
OG6r2_118155	kinetoplast-associated protein-like protein	LPMP_270240	7,69703E+14	0,005981398	27
OG6_100026	multidrug resistance protein, putative	LPMP_230230	-7,87338E+14	4,80119E-20	23
OG6_100083	heat-shock protein hsp70, putative	LPMP_282930	-6,79551E+13	2,1886E-48	28
OG6_100111	tryparedoxin peroxidase	LPMP_151050	-9,36344E+14	7,8752E-37	15
		LPMP_151070	-1,07357E+14	3,4759E-100	15
OG6_100120	histone H4	LPMP_060010	-4,82606E+14	6,55979E-06	6
		LPMP_231870	-6,28424E+14	2,11337E-16	23
OG6_100127	actin	LPMP_041190	-5,24052E+14	9,24336E-06	4
OG6_100171	surface antigen protein, putative	LPMP_120750	-1,27048E+14	6,43383E-40	12

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OG6_100228	phosphatidic acid phosphatase, putative	LPMP_180700	-5,8132E+14	7,13009E-12	18
OG6_100235	T-complex protein 1, gamma subunit, putative	LPMP_231360	-6,75926E+14	5,9832E-06	23
OG6_100329	transketolase	LPMP_242040	-9,22222E+14	6,62837E-51	24
OG6_100388	S-adenosylmethionine synthetase	LPMP_303480	-8,30707E+14	1,11332E-66	30
OG6_100410	programmed cell death 6 protein-like protein	LPMP_131320	-8,4802E+14	1,1568E-16	13
OG6_100430	acetyl-CoA synthetase, putative	LPMP_230580	-1,18271E+14	2,56458E-28	23
		LPMP_230860	-1,03606E+14	1,7159E-27	23
OG6_100449	protein kinase A regulatory subunit, putative	LPMP_130160	-1,15635E+14	7,36881E-57	13
OG6_100460	GDP-mannose pyrophosphorylase	LPMP_230120	-1,27575E+14	7,82664E-41	23
OG6_100490	10 kDa heat shock protein, putative	LPMP_260620	-7,59056E+14	2,87724E-12	26
OG6_100519	orotidine-5-phosphate decarboxylase/orotate phosphoribosyltransferase, putative	LPMP_160550	-6,06096E+14	2,38617E-08	16
OG6_100527	fructose-1,6-bisphosphate aldolase	LPMP_351290	-6,24569E+14	9,26884E-17	35
OG6_100561	thimet oligopeptidase, putative	LPMP_261550	-1,28816E+14	6,50229E-87	26
OG6_100581	protein kinase-like protein	LPMP_303010	-9,14242E+14	1,03166E-05	30
OG6_100614	heat shock protein DNAJ, putative	LPMP_272430	-6,48393E+14	8,72138E-20	27
OG6_100664	hypothetical protein	LPMP_231570	-1,19669E+14	3,02063E-16	23
OG6_100665	ribosomal protein L3, putative	LPMP_323310	-6,47068E+14	7,74765E-11	32
OG6_100746	fatty acyl CoA syntetase 1, putative	LPMP_010480	-6,66523E+14	0,000432894	1
		LPMP_010520	-7,83301E+14	2,54369E-27	1
OG6_100758	60S ribosomal protein L17, putative	LPMP_240040	-6,30659E+14	8,10389E-07	24
OG6_100819	ribulose-phosphate 3-epimerase, putative	LPMP_343550	-1,60315E+14	0,001368775	34
OG6_100851	calmodulin, putative	LPMP_090920	-6,58255E+14	2,18782E-05	9
OG6_101014	leucyl-tRNA synthetase, putative	LPMP_130980	-5,14815E+14	3,0878E-06	13
OG6_101025	DNA polymerase theta (helicase domain only), putative	LPMP_231540	-6,69701E+14	0,004001927	23
OG6_101083	alanine racemase, putative	LPMP_231760	-8,36422E+14	3,84068E-17	23
OG6_101108	fructose-1,6-bisphosphatase, cytosolic, putative	LPMP_041110	-9,72112E+14	2,0839E-09	4
OG6_101109	60S ribosomal protein L39, putative	LPMP_161130	-5,25025E+14	1,05136E-07	16
OG6_101253	hypothetical protein	LPMP_230530	-1,15663E+14	2,79795E-09	23
OG6_101264	dynein light chain, flagellar outer arm, putative	LPMP_320260	-6,48773E+14	1,4491E-05	32
OG6_101329	3-ketoacyl-CoA thiolase, putative	LPMP_230850	-1,02268E+14	1,09877E-25	23
OG6_101504	aldose 1-epimerase-like protein	LPMP_230470	-9,83187E+14	1,55144E-10	23
OG6_101574	hypothetical protein	LPMP_344330	-5,92223E+14	7,43396E-14	34
OG6_101729	coatomer delta subunit-like protein	LPMP_161140	-7,27107E+14	1,62769E-05	16
OG6_101887	ATP-dependent DEAD-box RNA helicase, putative	LPMP_340350	-9,15159E+14	2,99872E-22	34
OG6_102032	cytochrome c1, heme protein, mitochondrial precursor, putative	LPMP_070080	-6,87865E+14	9,73156E-12	7
OG6_102250	lathosterol oxidase-like protein	LPMP_231460	-1,83195E+14	2,264E-117	23
OG6_102389	nucleolar RNA-associated protein (Nrap)-like protein	LPMP_180940	-5,33053E+13	1,08675E-07	18
OG6_102406	hypothetical protein	LPMP_141070	-8,03311E+13	5,96787E-06	14
OG6_102726	myo-inositol/proton symporter (MIT)	LPMP_240650	-8,39516E+14	1,32279E-34	24
OG6_102751	DNA polymerase zeta catalytic subunit, putative	LPMP_231490	-7,41493E+14	6,88751E-07	23
OG6_103278	hypothetical protein	LPMP_030350	-1,07595E+14	1,02224E-05	3
OG6_103299	d-isomer specific 2-hydroxyacid dehydrogenase, putative	LPMP_201490	-1,21719E+13	3,36233E-67	20
OG6_103398	universal minicircle sequence binding protein	LPMP_351660	-8,42399E+14	3,58695E-22	35
OG6_104274	palmitoyl acyltransferase 12, putative	LPMP_231580	-1,1208E+14	2,33562E-07	23
OG6_104430	nucleoside transporter, putative	LPMP_352010	-4,81647E+14	0,00186294	35
OG6_104573	hypothetical protein	LPMP_220400	-1,45105E+14	5,62804E-40	22
OG6_104857	ubiquitin-conjugating enzyme-like protein	LPMP_210470	-9,09177E+14	0,001033029	21
OG6_105198	hypothetical protein	LPMP_060110	-8,91217E+14	0,001694715	6
OG6_105409	hypothetical protein	LPMP_231610	-1,05091E+14	2,72657E-61	23
OG6_105464	hypothetical protein	LPMP_090200	-8,35279E+14	2,05525E-05	9

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OG6_105712	small GTPase, putative	LPMP_161340	-1,17964E+14	9,66502E-15	16
OG6_105883	NADH-cytochrome b5 reductase, putative	LPMP_220680	-5,53398E+14	0,005532837	22
OG6_106020	5-histidylcysteine sulfoxide synthase, putative	LPMP_290990	-5,80293E+14	1,54957E-07	29
OG6_106757	hypothetical protein	LPMP_231740	-9,11194E+14	1,31465E-10	23
OG6_109186	endoribonuclease L-PSP (pb5), putative	LPMP_230220	-9,19679E+14	1,1626E-08	23
OG6_111575	membrane transporter, putative	LPMP_110680	-8,798E+14	3,46115E-07	11
OG6_112279	methyltransferase, putative	LPMP_261960	-8,92811E+14	7,87567E-29	26
OG6_113255	inhibitor of cysteine peptidase	LPMP_241740	-9,61987E+14	0,002822855	24
OG6_117431	kinetoplastid membrane protein-11	LPMP_342080	-8,68014E+13	2,44108E-27	34
OG6_118134	hypothetical protein	LPMP_161480	-9,59623E+14	0,000352867	16
OG6_119258	nucleobase transporter	LPMP_131090	-6,01584E+14	0,008725084	13
OG6_122860	serine/threonine protein kinase, putative	LPMP_312830	-6,20741E+14	0,002347708	31
OG6_128445	amastin-like surface protein-like protein	LPMP_241240	-1,52596E+14	3,18338E-85	24
OG6_129987	cullin-like protein	LPMP_161180	-6,48759E+14	0,000725104	16
OG6_132371	MFS transporter, putative	LPMP_030360	-6,10851E+14	0,000311862	3
OG6_134843	cytochrome c oxidase subunit 10, putative	LPMP_230420	-1,17382E+14	3,91418E-34	23
OG6_134885	hypothetical protein	LPMP_190500	-7,49831E+14	4,45576E-13	19
OG6_135390	META domain-containing protein, putative	LPMP_170880	-6,93506E+14	2,21214E-18	17
OG6_135397	surface protein amastin, putative	LPMP_300920	-7,03058E+14	1,28725E-33	30
OG6_136776	hypothetical protein	LPMP_230610	-9,48924E+14	1,3023E-14	23
OG6_137222	hypothetical protein	LPMP_231730	-8,83591E+14	6,88051E-05	23
OG6_137355	hypothetical protein	LPMP_160740	-1,48138E+14	8,2644E-112	16
OG6_139737	hypothetical protein	LPMP_260610	-8,68975E+14	7,84526E-22	26
OG6_139740	hypothetical protein	LPMP_231750	-1,16844E+14	5,19157E-11	23
OG6_139771	hypothetical protein	LPMP_130950	-9,29641E+14	4,84062E-08	13
OG6_139812	hypothetical protein	LPMP_161450	-7,94307E+14	3,67242E-05	16
OG6_139850	hypothetical protein	LPMP_230855	-1,47941E+14	8,00421E-10	23
OG6_140432	hypothetical protein	LPMP_161390	-8,34601E+14	6,53411E-16	16
OG6_143027	hypothetical protein	LPMP_231400	-8,69881E+14	4,8953E-05	23
OG6_144887	hypothetical protein	LPMP_271720	-7,55223E+14	5,01109E-16	27
OG6_145829	hypothetical protein	LPMP_322010	-6,33055E+14	8,3254E-06	32
OG6_146662	hypothetical protein	LPMP_231100	-1,02714E+14	7,8806E-20	23
OG6_146922	5'-3' exonuclease XRNC, putative	LPMP_230600	-7,60359E+13	4,97045E-09	23
OG6_147285	hypothetical protein	LPMP_230380	-9,10783E+13	1,21306E-15	23
OG6_147287	kinesin, putative	LPMP_230720	-8,18051E+14	0,000212749	23
OG6_147383	hypothetical protein	LPMP_352930	-8,36355E+14	0,00540921	35
OG6_147407	hypothetical protein	LPMP_260700	-6,19151E+14	0,000250798	26
OG6_147519	hypothetical protein	LPMP_230090	-6,52665E+14	2,58437E-09	23
OG6_148248	calpain-like cysteine peptidase, putative	LPMP_140830	-1,03154E+14	1,78349E-68	14
OG6_148255	hypothetical protein	LPMP_230440	-1,1319E+14	1,38561E-34	23
OG6_148295	hypothetical protein	LPMP_310870	-8,62142E+14	1,12233E-37	31
OG6_152224	hypothetical protein	LPMP_231210	-8,52E+14	1,42351E-13	23
OG6_154432	hypothetical protein	LPMP_070330	-6,09361E+14	4,77079E-05	7
OG6_156425	hypothetical protein	LPMP_231670	-1,03594E+14	2,22268E-05	23
OG6_156834	hypothetical protein	LPMP_320050	-1,07413E+14	0,001657298	32
OG6_158071	hypothetical protein	LPMP_230640	-8,9247E+14	1,97996E-10	23
OG6_158072	hypothetical protein	LPMP_230800	-1,19577E+14	3,94706E-54	23
OG6_158073	hypothetical protein	LPMP_231060	-6,70042E+14	9,62774E-05	23
OG6_158074	hypothetical protein	LPMP_231170	-1,1328E+14	2,51144E-05	23
OG6_158112	hypothetical protein	LPMP_321770	-9,36807E+14	1,08322E-06	32

OG6_171513	hypothetical protein	LPMP_220180	-1,08995E+14	1,42375E-17	22
OG6_172138	hypothetical protein	LPMP_231260	-9,65678E+14	5,26642E-27	23
OG6_173629	hypothetical protein	LPMP_040190	-7,11637E+14	8,42573E-06	4
OG6_173688	hypothetical protein	LPMP_231000	-1,85683E+14	2,89788E-72	23
OG6_173721	hypothetical protein	LPMP_322050	-1,5873E+14	3,25001E-13	32
OG6_174187	hypothetical protein	LPMP_161290	-1,09899E+14	1,20582E-23	16
OG6_199707	glycosyl hydrolase-like protein, putative	LPMP_101180	-1,2308E+14	9,95418E-08	10
OG6_199889	hypothetical protein	LPMP_230520	-1,03353E+14	1,46098E-16	23
OG6_199892	hypothetical protein	LPMP_230750	-8,75972E+14	0,007838785	23
OG6_199899	hypothetical protein	LPMP_231140	-1,21319E+14	1,58236E-15	23
OG6_199929	hypothetical protein	LPMP_190460	-9,25078E+14	1,47801E-06	19
OG6_200022	hypothetical protein	LPMP_080720	-1,79774E+14	1,88E-68	8
OG6_200052	hypothetical protein	LPMP_240540	-1,13327E+14	0,00015492	24
OG6_200081	membrane transporter, putative	LPMP_310040	-1,03433E+14	4,45953E-07	31
OG6_208730	hypothetical protein	LPMP_151480	-8,56304E+14	1,97537E-30	15
OG6_443800	hypothetical protein	LPMP_231010	-1,02429E+14	7,0944E-22	23
OG6_444415	hypothetical protein	LPMP_230450	-7,93731E+14	0,009323774	23
OG6_478575	hypothetical protein	LPMP_231620	-1,51033E+14	2,09806E-39	23
OG6_478587	hypothetical protein	LPMP_231150	-1,89261E+14	2,1648E-142	23
OG6_478677	cysteine peptidase B (CPB), putative	LPMP_070590	-9,51231E+14	4,03685E-16	7
OG6_478694	hypothetical protein	LPMP_100680	-8,78589E+14	1,88533E-19	10
OG6_478814	hypothetical protein	LPMP_231440	-8,7429E+14	1,28606E-05	23
OG6_478852	hypothetical protein	LPMP_030330	-1,01815E+14	2,13297E-22	3
OG6_478994	hypothetical protein	LPMP_030280	-1,57517E+14	1,92666E-38	3
OG6r2_153546	histone H1-like protein	LPMP_271600	-9,24792E+14	2,69996E-12	27

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