

**S1 Table:** Proteins identified by proteomic analysis in epimastigotes.

ID	Description	Spectral count
Tc00.1047053510593.10	Hypothetical protein, conserved	7
Tc00.1047053511211.40	Molybdenum cofactor biosynthesis, putative	6
Tc00.1047053509717.20 Tc00.1047053510105.170	Dihydrolipoamide acetyltransferase precursor, putative	9
Tc00.1047053510565.30 Tc00.1047053508503.20	Cytochrome c oxidase subunit V, putative	11
Tc00.1047053506943.60 Tc00.1047053509065.70 Tc00.1047053506943.50 Tc00.1047053509065.60	Glyceraldehyde 3-phosphate dehydrogenase, putative	7
Tc00.1047053510877.40 Tc00.1047053510877.30	Hypothetical protein, conserved	18
Tc00.1047053511231.80 Tc00.1047053504017.10	Basic transcription factor 3a, putative	10
Tc00.1047053511319.20 Tc00.1047053510055.50	Hypothetical protein, conserved	6
Tc00.1047053508675.20 Tc00.1047053506337.30	SNF7-like protein, putative	9
Tc00.1047053511727.270 Tc00.1047053511727.290	RNA-binding protein, putative	9
Tc00.1047053510029.70 Tc00.1047053510973.30 Tc00.1047053511189.30 Tc00.1047053511291.90	40S ribosomal protein S13, putative	8
Tc00.1047053506113.60 Tc00.1047053507881.20	Retrotransposon hot spot (RHS) protein, putative	7
Tc00.1047053506961.10	Retrotransposon hot spot (RHS) protein, putative	6
Tc00.1047053504863.10	Retrotransposon hot spot (RHS) protein, putative	9
Tc00.1047053508323.100	I/6 autoantigen, putative	10
Tc00.1047053509693.80	Hypoxanthine-guanine phosphoribosyltransferase, putative	6
Tc00.1047053504089.70 Tc00.1047053504001.20	Hypothetical protein, conserved	9