

Supplementary Figure 1:

Identification of proteins currently not annotated as predicted genes in GeneDB database. These proteins were identified by comparison of MS/MS data to six frame translated genome sequence database and their corresponding polypeptide ID is shown. The identified peptide(s) are in red and possible start codons are in blue.

A. Proteins identified by two or more unique peptide matches.

Tb02.1051

MKKGDSATVARPIASRGSTV**M**ADGRASWEKLSRRHEENSKKKKILLYKLLHYE
ASQLQIIIYVVEGEAYVFRKPKGDRAGYVTFYSNYKSAFTAVKQIIGESSGGEDIK
GYLIFDVKDHHAPVKPPGDFSGIALSSPNVRQFHEWSKQNGATHIYINCDTLKD
LEAIHISRWGIALAYGWSPSDAKEKIEREWQEIQARIRIVGPLL RHIVDSFWYKR
QRELIREVIGK**MR**DDD**M**NDYAKIFQ**NAGM**WQTDEVSHKLVRAVRVVDGDPLC
DAYRCRPLSSYTGQAILDFLRPWRTKKYALIS**GL**SNRALAAY**M**FENSGIEALS
HEDALIELARELQGLSLEDQIPRSVLQVLQEPRLIGPSIEVPEDVPIVAGAEIEY**M**
KLYKPQSR**SFPVVD**A**FFV**EN**PK**TFVGLQYTISGSHPCSTGGLFKMKRCLQSYFR
RWDNFSNDMVWEIYVQRVDDERITKPQCCSRTATDEQSKREERFWKREVR**QFS**
VSLNERI**AL**YVECKEKLEEYDRNNGVNNGGGNA

Tb03.13564

GVGGDAAESTSDYGLTRRKGCRRCVEALKRRRYCGEYGSRTQIT**MR**GDPRCR
NRVVERIN**ATIAQLDK**R**L**KALETERAERGNEAHGAAAYSSQFFMEKDSR**NAVPP**
LVEGFIPSRAVLTD**IED**R**LC**YLEAALKTGNTLPSSRRVPRLPERDLPPIVGAPHPPG
AAPLQGEAGGEPSTSTSKERQASERAASNGTSNGIPPIQGHRCDVSNPSAGNSS
SAGVSQGRHAVDDGSVLRQRVDKLEERASVLEKKKADRREVQQLEEFVEELAR
RSLGPLQTGPVPSNMQENAQLGYSDDVLGMGRGSRKVGTAAPLMRSVFVVGMG
TQLNDSTGSKTSATVANPRQL

Tb03.2365

LVAVKEIS**M**KNSVARTQPVRKYENFTLENNLPLALGANFHDDPICRDTNRTSHTL
LLPRNVDYAPHTEYVFNGGGFNRENK**M**RTIDEEFVDEDEPVFDGW**MT**VNFDNP
DDAKDHVVSFLAYFVEDIPEGTETKIVRKVCIR**Y**YT**Q**D**NSISVQEAKQ**Q**NSGIVQ**
STILSRRQVPRRMDNINDIVMLEDFQIGGTITLFSREYHILDMDARSRLYYKK**VLG**
QTVPEPLPWPIEIDKFTTMQAQLSKSTHRLATSEDMDQK**RAIEQQ**L**TGIYTK**HPTE
DILTAQNFLRHNINEHLTFLALWDDRESLSGDLRFVVIRLYLENNTVEIERRQEN
SGRMGSSVILGRQRVARPGAEGSKIRFQEHTFGVILKRDFLVAEDMKVGETYHHI
GR**PYFIYDADEA**TRRYMKNELGTDESPNDFGKNH

Tb03.2385

GDLSELGIELAPCVDIKPILASDEKKPIIFFPPPNGFGSERENRSSLTLNPRP**M**RR
DVEKIEKEEGRV**M**NFLAELANPLVRGDEKRRFVISFFRETDE**M**SIYEKPERNSGY

LAGRFLAKGVYRKPM**MP**DGSTVPYTAEDFQVGKEITILERPFRL**LD**MSEETKR**ILT**
VTEQL**PSEQ**RLKELLLL**FKQ**QIQ**LK**FTRGHEAYCTLAPK**GV**LG**YR**QVREFLRSCS
CSITEDEALLVHNLVPSSAGVISFNEFM**DL**VNITSSEHMDEASLTVRSVKS**VNM**
TKDESLKTV**AIK**TEDVKRRKQLA**VEL**RQK**L**IQ**RK**GSVQE**Q**FRLIGCHSASSRLNR
DVFRHSLNEVMHFNV**PK**T**DE**D**ML**V**SLL**F**DGR**ADENG**D**ITYK**Q**FQEFLEV**Q**DDI

Tb03.9263

YFSQQSGK**LK**KK**HK**QEEM**M**FCVSAARLTALASHQ**P**ILPPSVSTRVAV**M**RFLGDGR
SR**MP**N**INT**IN**TL**ITKT**GAK**GLAG**NA**S**VL**G**K**AMFY**LK**R**GN**P**V**GA**IA**EID**K**IL**PE**IS**D**
D**AL**K**R**FAV**G**IR**L**RARNDLLDM**K**ESAL**K**VHGGIT**E**LEVSDIR**T**ALR**DD**Y**K**VLEAA
SPGCWLFELAVAEYRLYEGCA**K**DAYDS**F**RLVE**K**SI**Q**E**Y**IL**SL**KK**P**SPSQALHGTD
NHASLV**L**AFQ**L**SRARTPN**V**PKVSS**K**IVDEAIKGIVEGYSTKEATLAF**K**KDLGAAL
TDEEV**V**ELVYIFEAAHIRHHFHDYFPLHEDYRGWG**S**ERANA**A**K**G**TLASHSTSSV
FLDDKLLASIRTSVPHQPFYAGEDELRRFMSSDH**K**DLIAELRHTFGSGPK**T**SLAK**S**
E**D**A**Y**F**D**AL**K**AVEN**S**PMSADAAG**S**AA**Y**PVSQNDICL**C**LAQQL**L**YR**T**R**V**NI**A**VA**L**T
Q**L**D**R**LEEAV**P**ILD**G**VINADEYI**Y**MWRALLARGE**A**NK**R**FGHIG**K**SDED**F**RQL**L**Q**L**
KRITSADA

Tb10.19077

SNGTLLAGGV**P**WFLFLFFLSL**P**SR**M**GTKENAT**K**V**V**AG**N**Y**P**Y**S**S**V**AR**G**EHLV**S**HR
SPPRALKWLAPAALLFAAGGFYFTCRW**N**NERAKD**G**PCIN**C**K**R**Q**Q**E**I**I**E**V**Y**F**N**K
QTVQ**K**GNRL

Tb11.6536

MAVPR**W****M**RRFEI**Y**AV**C****M**IWP**I**STIVG**I**VG**T**Y**K**LF**M**WSY**G**GRDC**F**R**Y**V**V**IE**P**MK
GQWFQAN**P**K**S**AL**G**MD**T**PL**A**N**V**PK**F**LETS**P**YTYDDNT**G**SD

Tb05.10600

RGICSVTRGGGRSQR**S**ISEYCHAALNLKSLNT**M**VNSALCKTLLEPLRTNPLL**G**VC
VATGCVNAFI**Y****M**WYTR**S**T**S**ATLRASRE**K**CQAVSENA**F**AKSRAL**M**KELEEDWAR
DIKARDASVR**R**LE**L**Q**N**VE**Q**TRSIARLDAAM**K**FCLTPGST**V**S**Q**

B. Proteins that were identified by one peptide and showed sequence homology to *Leishmania* and/or *T. cruzi* predicted proteins.

Tb02.1333

I**M**Y**V**V**S**G**K**A**Y**VFR**K**PK**G**DRAGY**V**TFY**S**NYDDASTLIGQ**I**VRD**S**CGAEN**I**K**G**Y**V**I
FDVDKNHP**A**PT**K**PP**G**DFAGIALSS**P**N**V**R**Q**FH**G**W**S**K**Q**N**K**ALHFYIN**C**DT**L**K**D**LE**V**I

HISRWGKIAPAYGWNPSDAKEKIESEWQEIQDRIPVGPLLRHIVDSASFTRQCDLI
EEAINEMSDVKKESYAKIFQNAATWQTRKASHRLVRVVRVKKGNLLCDSYLCT
PLSSYTGVILDFLRPWLLNKYAAISALLSNCAIVGHLFEKSGIEALSHENTLTEL
ARELQGLSFAGDQIQSVLQVLQGPRLTNPLIVVPEDVPIVAGAEIQYMKLYKPQ
SRSPVVDAFFFVENPKTFVGLQYTISGSHPCSTGGFLFKMKRCLQSYFRRWDNFS
RGMVWEIIVQRVDSEKITKQCCEGTIEDGGQNNKVEERFCEQEVRFQFAVSLSN
HITALYVELQVKGNNNNGVNNRGGNA

Tb03.13559

NSSKTRPPTHPTKEIMTVMDVDATAIPDMIQAQLTSLYSRLTQLIRLIVDQGNH
DMDIGKIMNRLDALAKENAELRKRVDDELTTMRCGGVNEEVAVLKREVAIVQ
ELCTENTKRLTSSEGINERRFVKLEEAIVSTVSDTGTETQRLDGCITELRSENLEM
KKDVGCLNDFVALWDGHVEKIRALTTRDSEGNLQHAHERARYLHSLPPFTKLF
EELEVMRQLNRHQTTDSLAAKGVVGVLRSSVGDIAGNTDPAPKSPCVATPAAE
TESWRESMPPSLSWTNG

Tb10.31367

KGKHNSLHSDTRKKCCMINPPEESEDANAPLDRLAAHLRAPPTPPKVPVYALP
DQPYLETTVLPLLLRGLLEEVVKVRPADPLAFLAAYLSSNNPQRVSHPLLTEEGR
VPLQEIAQRAADVILQLAYQPPAQP

Tb11.38944

GLIDVTTMEVSADTQALSEAMMIRLIEEQIWCGYEDVETAVNASCEGENVTYLR
ENVFPTLVPALYELVKRQQQCALEPDEVSHRYGPTGNTHPISWLSQYLLRNTR
HSKKICGHPYVMVNNELLRKEKGTRTKES

C. Proteins that were identified with one peptide match and had no sequence homology to annotated *Leishmania* or *T. cruzi* predicted proteins.

11L3.0325

RMYSRTQTSVRWQVGWQKGNKWWMGPGGLINTQQWKLQQKLSLTAVNRWK
CVPQPRGQL

Tb03.5811

MPETPQRNGFKRPSLAAKLFGDADVYSRETTSSLTDFAGTFLVGFFAVYFTIAG
YLLYREAALS

Tb11.13923

SLRLISSDRILYATSTFAM**Y**SLAFSFA**S**AP**S**CM**S**GWCSR**V**IVRNAR**L**IS**A**F**V**EP**R**D
TPSRPYRSRSLGCPKMEAFVTFGVKDNC**S**VTNSKHIM**L**IEDKCNCMILHS**V**SL**F**