

SUPPLEMENTARY FIGURE S3

S3. MS analysis of *T. brucei* ATP synthase subunit α .

In red is shown tryptic peptide identified in lower ~14kDa gel band. In blue are shown tryptic peptides in higher ~44kDa gel band. Underlined is sequenced, which was suggested as the site-specific cleavage site characteristic for all trypanosomatid species [36].

>Tb927.7.7420

MRRFGSKFASGLASRCALACPLASAATAPAGASTTSSSTSSAQKSFFKTTEMIGYVHSID
GTIATLIPAPGNPGVAYNTIIQIQVSPTTFAAGLVFNLEKDGR **IGIILMDNITEVQSGQ**
KVMATGQLLHIPVGAGVLGKVVNPLGHEVPVGLVTRSRLL/DSTLGKVDTGAPNIVSR
SPVNYNLLTGFKAVDTMIPIGRGQRELI VGDRTGK**TSIAVSTIINQVR**INQQILSKNA
VISIYVSIQRCNSVARIHRLQLSYGALRYTTVMAATAAEPAGLQYLAPYAGVTMGEYF
MNRGRHCLCVYDDLKQAVAYRQISL L LRRPPGR**EAYPGDV FYLHSR**LLERAAMLSPGK
GGGSVTALPIVETLSNDVTAYIVTNVISITDGQIYLDTKLFTGGQRPAVNI GLSVSRVG
SSAQNAAMKGVAGKLGILAEYRKLAA SVGGQQVQTIPMIRGAR**FVALFNQK**QPSYFM
NAIVSLYACLNGYLDDVKVQYVKFYEYLLVHRDLGIMYGTAKNKFFYMYVQELNYLIRF
FTLNSPILHGELEEMLKQH~~THL~~FLQHYQSKMNAIKSEKDKALKNLLYSCKRAV