1,114 *T. brucei* transcripts not coinciding with annotated CDS identified by Kolev et al. [22]

Add 2 transcripts with matching MS data

Remove 39 transcripts encoding snoRNAs and 10 encoding proteins longer than 300 aa

1,067 transcripts

Remove 80 non-coding transcripts (<25 aa)

987 transcripts could encode 4,699 ORFs (25-300 aa)

58 predicted small proteins supported by MS data

Add 5 *T. brucei*-specific proteins with matching MS data

173 ORFs conserved across kinetoplastids, including 13 ORFs conserved across eukaryotes

63 small proteins

Remove 21 proteins (predicted ribosomal or annotated proteins, or multiple copies)

42 small proteins

987 transcripts

987 transcripts could encode 4,699 ORFs (25-300 aa)

58 predicted small proteins supported by MS data

Add 5 *T. brucei*-specific proteins with matching MS data

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Figure 1