

Table S1: *Trypanosoma brucei* p24 orthologues

Name	TriTryp Accession	CDS length (nt)	RNAi target (nt)	C term peptide
TbERP1	Tb927.11.15230	687	31-471	RRIFN <i>KRRVV</i>
TbERP2	Tb927.9.15090	660	63-556	EMWHLKRYFRKKRL <i>ID</i>
TbERP3	Tb927.8.8030	618	8-500	KRFLE <i>RKSFV</i>
TbERP4	Tb927.4.4350	612	1-612	KCFLE <i>RKSFV</i>
TbERP5	Tb927.10.9270	699	53-523	SEKYLERFFIKQKIA
TbERP6	Tb927.7.3600	678	205-269	KRMFN <i>RKGTRAVA</i>
TbERP7	Tb927.8.7280	744	126-662	RTLRFLL <i>RCKPQ</i>
TbERP8	Tb927.10.6640	762	55-613	RLKSTLREK <i>KLV</i>

Putative targeting signals: COPI, KXKXX (italicized); COPII, di-hydrophobic (underlined)