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Supplementary Materials for

Trypanosoma cruzi Targets Akt in Host Cells as an Intracellular Antiapoptotic Strategy

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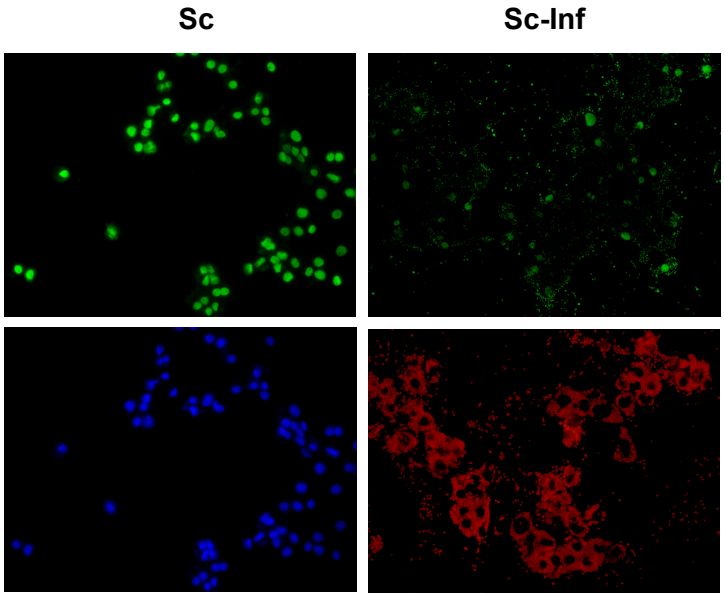

Fig. S1. *T. cruzi*-infected Schwann cells are resistant to a high concentration of H_2O_2. Uninfected (Sc) or *T. cruzi*-infected (Sc-Inf) Schwann cells were treated with 500 μM H_2O_2 for 24 hours, fixed, and assessed for apoptosis by the TUNEL fluorescent assay (upper panels, green). Cells were counterstained with DAPI (lower panel, blue) or a polyclonal antibody against *T. cruzi* (lower panel, red).

Table S1. Amino acid sequences of putative Akt phosphorylation motifs in PDNF. Phosphorylation sites (marked by S or T in italics) and sequences are indicated. Percentile represents the specificity of Akt phosphorylation sites.

Site	Scansite percentile	Motif
Ser^{91}	0.726	N S R V S *S* V
Thr^{17}	1.633	K R K N S *T* V
Thr^{304}	3.368	R V M L F *T* H
Thr^{597}	3.346	R S D M P *T* I
Ser^{123}	3.889	R S Y W S *S* H

Table S2. *T. cruzi* proteins (other than PDNF) with potential Akt phosphorylation sites.

Protein	Accession number	Site	Motif	Scansite percentile
Tc85-11 (PDNF/TS superfamily)	AAD13347	Thr^{594}	RRSTW	0.710
TcMUC11 (mucin)	XP_821153	Thr^{99}	RVPTL	0.846
Transcription modulator	XP_819803	Thr^{959}	RPRTETL	0.034
Regulatory subunit of protein kinase A	XP_810045	Ser^{393}	RQRYFSF	0.102
Histone deacetylase	XP_814618	Ser^{269}	RGRGISA	0.258
Histone 2A	CAA47703	Thr^{88}	RTVTL	0.581
β-tubulin 2,3	AAL75957	Ser^{285}	RGLSV	0.503
90 kD-surface protein	XP_820468	Ser^{158}	RPGSESF	0.356