

**A Telomeric Cluster of Antimony Resistance Genes on
Chromosome 34 of *Leishmania infantum***

- *supplemental material* -

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Running head: Leishmania Drug Resistance Gene Cluster

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Table S1. Oligonucleotides (Sigma Aldrich) used for mutagenesis of ARM58 by PCR (1) to exchange the cysteine residues in positions 27, 145 or/and 271 to serine residues.

Primer ID	Sequence (5'-3')
ARM58-C27S-fwd	CGGAGCTTCGACGGCCGCGACATTC
ARM58-C27S-rev	GTAGCACTCCTGATACGC
ARM58-C145S-fwd	CGCAGCTTCAAGAACGGCAATGGGCTG
ARM58-C145S-rev	GTAGATCTTATCGTATGG
ARM58-C271Sfwd	AAGAGCTTCAAGGAGCACGGCAAC
ARM58-C271S-rev	GAACACGTGGTCTGGTGTG

1. **Hombach A, Ommen G, Chrobak M, Clos J.** 2013. The Hsp90-Sti1 Interaction is Critical for *Leishmania donovani* Proliferation in Both Life Cycle Stages. *Cell Microbiol* **15**:585-600.

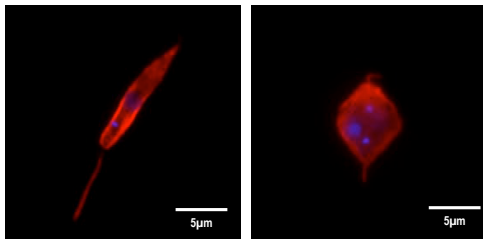
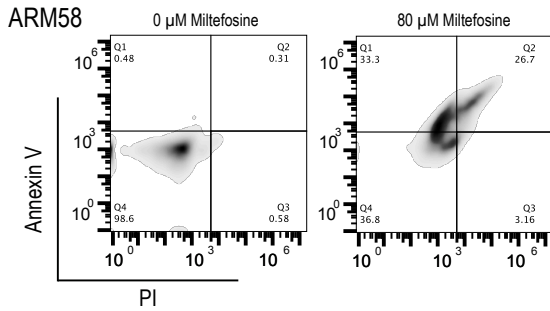
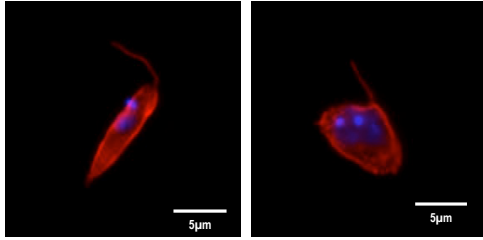
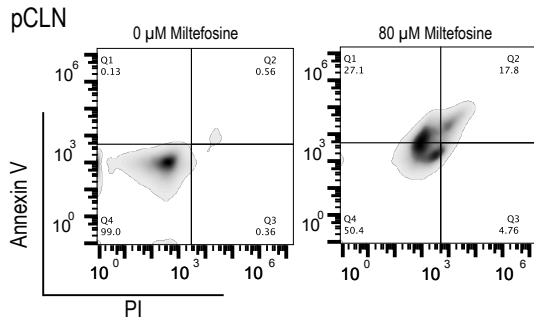
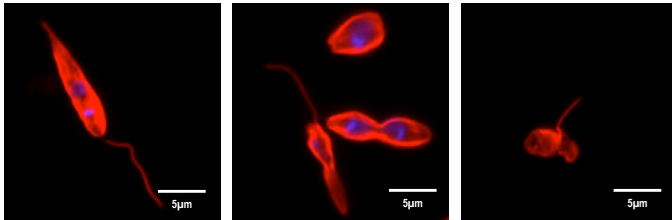
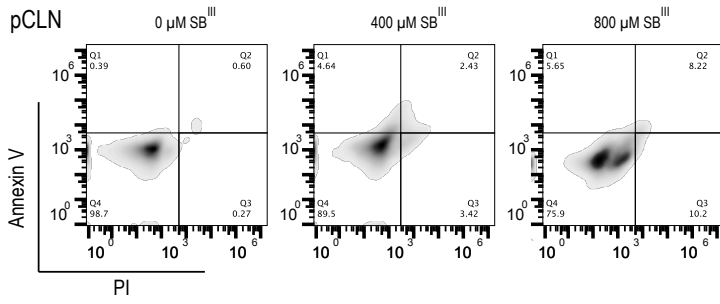
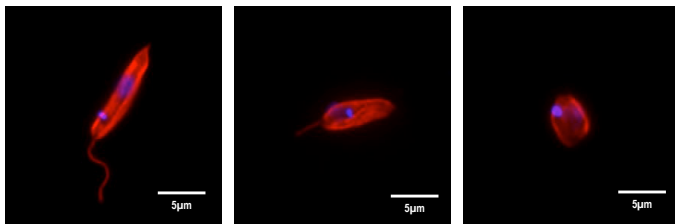
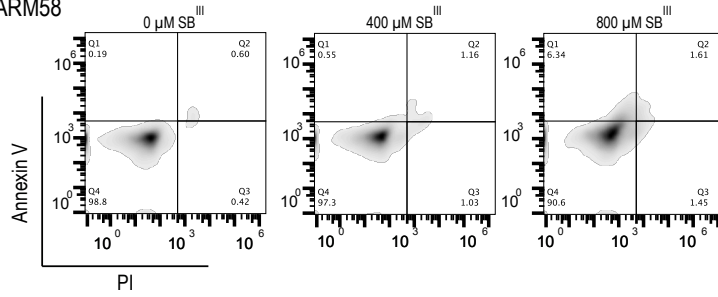
A

Figure S1. Quantification of apoptosis and cell death by FACS analysis with PI and AnnexinV. (A) *L. donovani* promastigotes with pCLN or ARM58 transgenes were exposed to 80 μ M miltefosine for 72 hours. The cells were stained with propidium iodide and Annexin V to determine the cell status. Data correspond to Table 1

B

ARM58



(B) As panel A, but promastigotes were challenged with 400 or 800 μM trivalent antimony. Data correspond to Table 1