

Supplementary Material

Host Adaptive Immune Status Regulates Expression of the Schistosome AMP-Activated Protein Kinase

Running title: Immune Regulation of Schistosome AMPK

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Supplementary Figure 1. Analysis of the predicted *S. mansoni* AMPK α cDNA

A, The amino acid sequence of a putative *S. mansoni* AMPK α subunit (XP_018653781.1), predicted by the Schistosome Genome Consortium at locus Smp_142990, was aligned with the amino acid sequences of *Homo sapiens* AMPK α-1 (NP_006242) and AMPK α-2 (NP_006243), *Crassostrea gigas* AMPK α-2 (XP_011446066), and *Echinococcus granulosus* AMPK α (AER10553). Sequence identity and similarity are shown, in addition to the approximate locations of the metal-dependent phosphohydrolase (HD_3) domain (CCD accession number pfam13023), AMPK α serine/threonine kinase catalytic domain (STKc, CCD accession number cd14079), AMPK α UBA-like autoinhibitory domain (UBA AID, CCD accession number cd14336), and AMPK α C-terminal regulatory domain (CTRD, CCD accession number cd12122). B, The predicted mRNA (XM_018799915.1) encoded by locus Smp_142990 was aligned with matching ESTs from the NCBI EST database.

