SUPPLEMENTAL MATERIAL

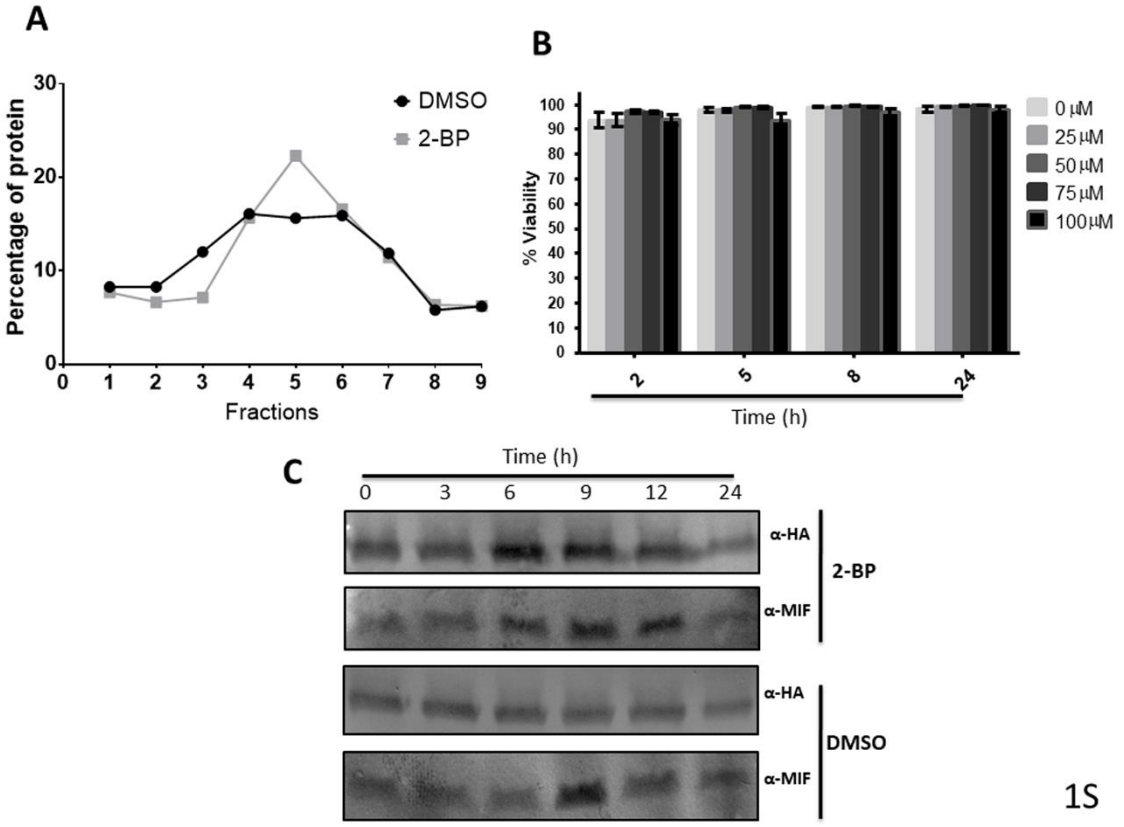

Figure 1.S

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(A) Signal quantification of the bands obtained in the density gradient fractionation (Fig. 5F). (B) Viability assay. Parasites were stained with propidium iodide after incubation with 2-BP palmitoylation inhibitor at the specified concentrations. Samples were taken at 2, 5, 8 and 24 h and analyzed by flow cytometry. Data are expressed as mean values ± standard error of the mean (SEM) of four independent experiments. (C) Analysis of protein Stability. TvTSP8-HA transfected parasites were incubated with 100 µM 2BP, or DMSO for 16 h, then protein translation was blocked with cycloheximide and samples of parasites were taken at the specified times. Parasites were lysed and proteins were separated by SDS-PAGE, transferred to PVDF membrane and immunoblotted using anti-HA or anti-MIF antibodies.

Table 1.S. Table 1.S. List of palmitoylated proteins identified by mass spectrometry. With NH_2OH: treated with hydroxylamine; without NH_2OH: not treated with hydroxylamine; ID: official gene symbol; lnNSAF: natural log of normalized spectral abundance factor; # TM Domain: number of transmembrane domains.

Table 2.S. Peptide identification data.