SUPPLEMENTARY FIGURES

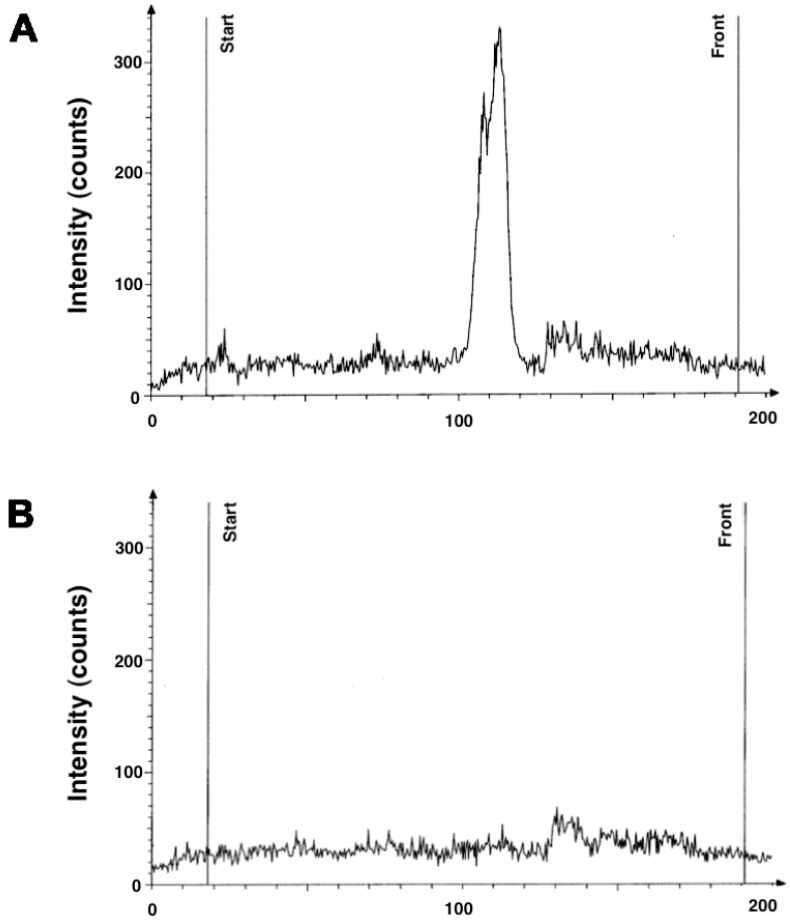

Figure S1. Susceptibility of [^{3}H]-labeled lipids to PI-PLC. [^{3}H]-labeled lipids were extracted from *T. brucei* bloodstream forms, incubated in the absence (upper panel) or presence (lower panel) of PI-PLC, and separated by one-dimensional TLC using solvent system 1. Radioactivity was detected by scanning the plate.

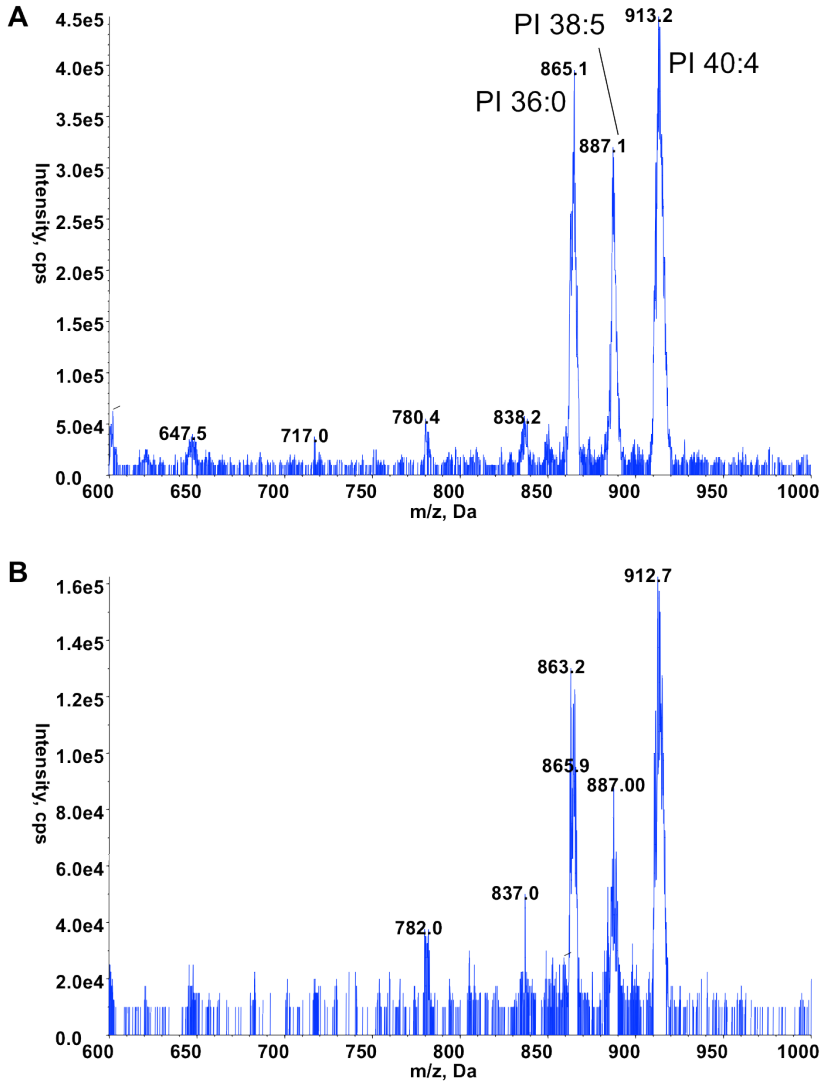

Figure S2. Lipidomic analysis of inositol containing phospholipids from *T. brucei* TbHMIT RNAi knock-down cells by ES-MS-MS. Lipid extracts from bloodstream form parasites incubated in the absence (A) or presence (B) of tetracycline for 48 hours were analyzed by negative ion ES-MS-MS utilising parent ion scans of 241 (600-1000m/z).

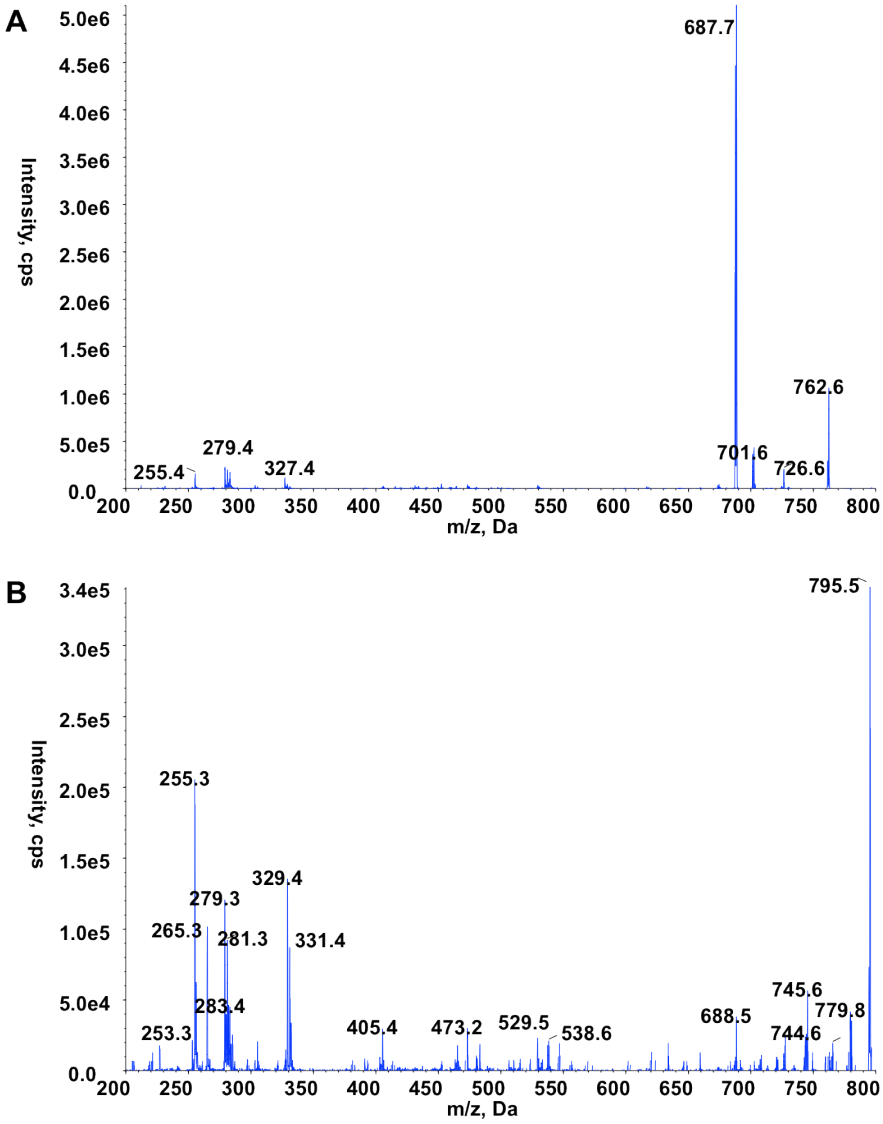

Figure S3. **Fragmentation of phospholipid species m/z 763 (A) and m/z 795 (B) from *T. brucei* TbHMIT RNAi knock-down cells by ES-MS-MS.** Fragmentation reveals that (A) is mainly phosphatidylserine (34:0) and (B) is mainly phosphatidylglycerol (38:5).

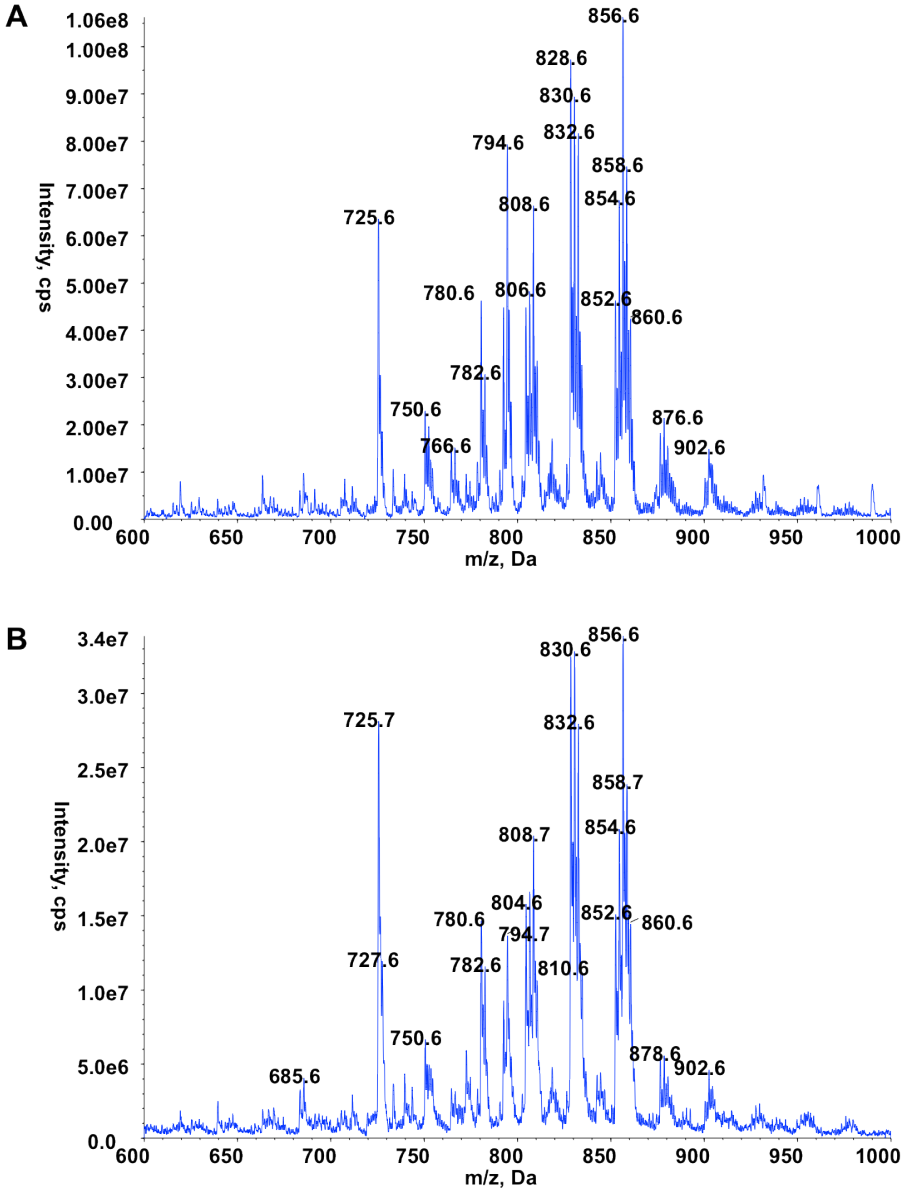

Figure S4. **Positive ion ES-MS lipidomic analysis of *T. brucei* TbHMIT RNAi knock-down cells.** Lipid extracts from bloodstream form parasites incubated in the absence (A) or presence (B) of tetracycline for 48 hours were analyzed by positive ion ES-MS survey scans (600-1000m/z).