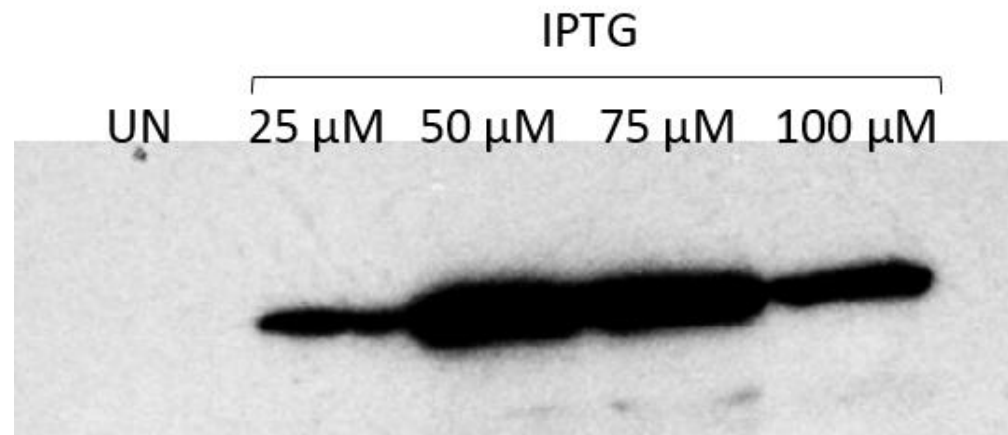
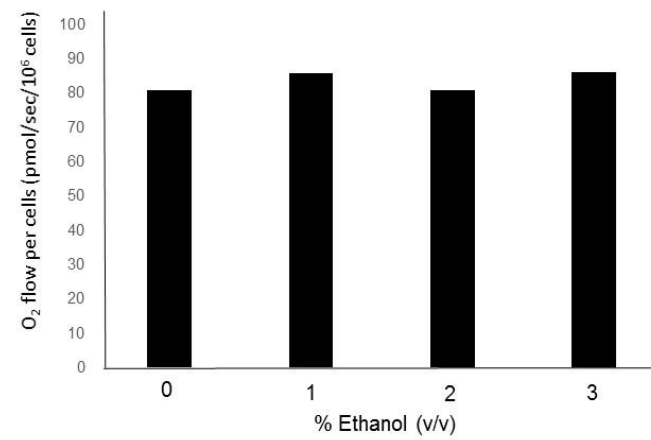


**Supplementary Figure 1.** The *Sauromatum guttatum* (voodoo lilly) monoclonal antibody recognises the *Blastocystis* alternative oxidase (AOX). A. Immunoblot of *Blastocystis* total protein using the *S. guttatum* anti-AOX antibody recognises a single protein of approximately 29 kDa. B. Immunoblot of *Escherichia coli* FN102 expressing the *Blastocystis* AOX gene decorated with the *S. guttatum* anti-AOX antibody also recognises a single protein of 29 kDa.



**Supplementary Figure 2.** Western blot analysis of *Escherichia coli* FN102 strain expressing *Blastocystis* alternative oxidase (AOX) using increasing IPTG concentrations, with UN indicating the un-induced lane. Recombinant protein detected using an anti-His tag antibody.



**Supplementary Figure 3.** *Blastocystis* respiration with addition of ethanol as solvent control for TTFA and SHAM addition experiments.