Supplementary Figure S5. Biochemical pathways acquired or supplemented by HGT in *H. dujardini* and *R. varieornatus*.



Trehalose and ascorbate synthesis pathways were reconstructed with KAAS and KEGG mapper.

A Ascorbate synthesis. Many genes in this pathway were derived through HGT (red arrows).

B Trehalose synthesis. *H. dujardini* lacks TPS loci (grey lozenges) but contains treA trehalase loci (blue lozenges). Both enzymes are present in *R. varieornatus*.