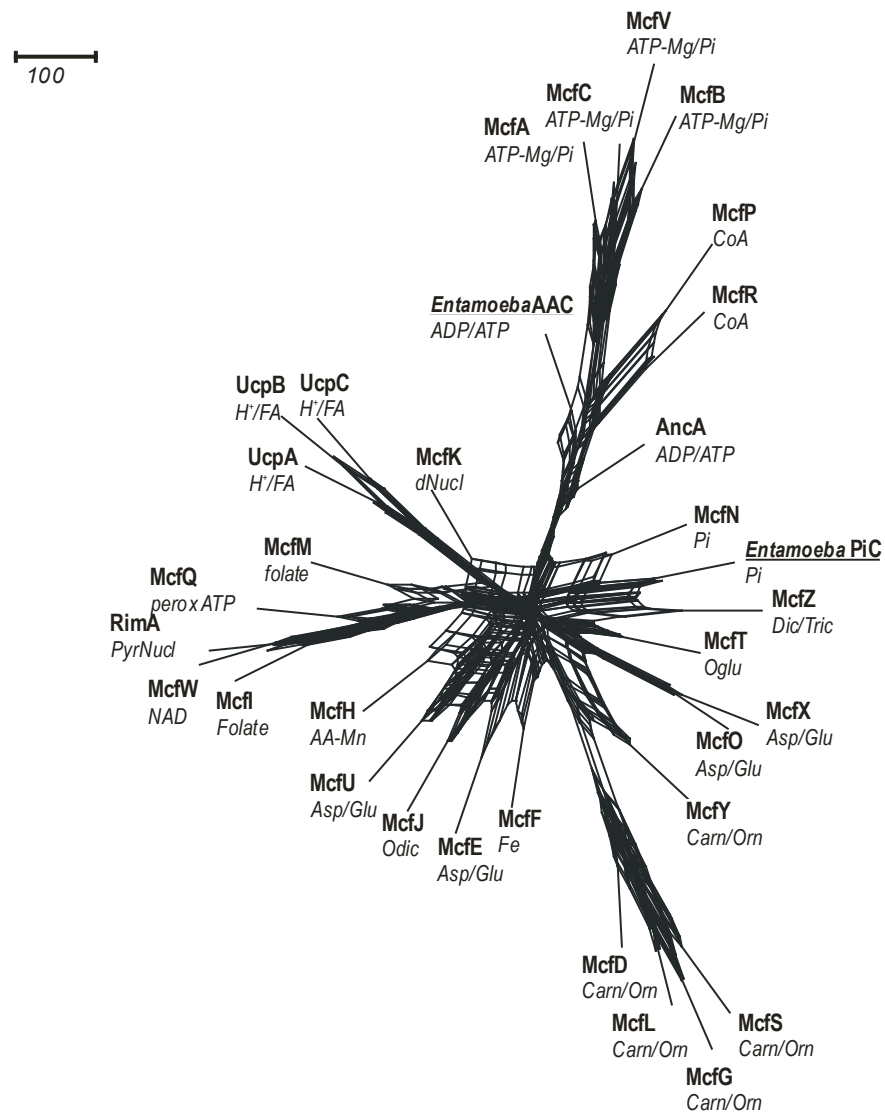




Supporting Figure 1

Neighbor joining tree of 31 mitochondrial carrier proteins from *D. discoideum* with ADP/ATP carrier and PiC carrier from *E. histolytica* constructed by SplitsTree4 [86]. The carriers cluster according to their substrate specificity. The putative substrates of *D. discoideum* carriers [87] are indicated as follows: *Carn/Orn* – carnitine or ornithine, *Asp/Glu* – aspartate/glutamate, *Oglu* – 2-oxoglutarate, *Dic/Tric* – dicarboxylate/tricarboxylate, *Pi* – phosphate, *PyrNucl* – pyrimidine NTP/NMP, *perox*

ATP – peroxisomal ATP carrier, H^+ *FA* – H^+ fatty acid, *CoA* – coenzyme A, *dNucl* – deoxynucleotide, *AA-Mn* – amino acid (Mn^{2+}), *Fe* – iron (mitoferrin).