

**Table S1.** List and taxonomic classification of the organisms analyzed in this study.

<b>Organism</b>	<b>Group</b>	<b>Subgroup</b>
<i>Homo sapiens</i>	Animals	Mammals
<i>Mus musculus</i>	Animals	Mammals
<i>Drosophila melanogaster</i>	Animals	Insects
<i>Caenorhabditis elegans</i>	Animals	Roundworms
<i>Arabidopsis thaliana</i>	Plants	Land plants
<i>Oryza sativa</i>	Plants	Land plants
<i>Ashbya gossypii</i>	Fungi	Ascomycetes
<i>Candida glabrata</i>	Fungi	Ascomycetes
<i>Debaryomyces hansenii</i>	Fungi	Ascomycetes
<i>Kluyveromyces lactis</i>	Fungi	Ascomycetes
<i>Pichia stipitis</i>	Fungi	Ascomycetes
<i>Saccharomyces cerevisiae</i>	Fungi	Ascomycetes
<i>Schizosaccharomyces pombe</i>	Fungi	Ascomycetes
<i>Yarrowia lipolytica</i>	Fungi	Ascomycetes
<i>Cryptococcus neoformans</i>	Fungi	Basidiomycetes
<i>Encephalitozoon cuniculi</i>	Fungi	Other fungi
<i>Plasmodium falciparum</i>	Protists	Apicomplexans
<i>Trypanosoma cruzi</i>	Protists	Kinetoplasts
<i>Entamoeba dispar</i>	Protists	Other protists
<i>Entamoeba histolytica</i>	Protists	Other protists