Table S1. List of organisms with complete genomes included in our network model. We list the name of the organism and a brief summary of the taxonomic classification or grouping for each species.

Pathogens		Model Organisms	
Plasmodium falciparum	Protozoa; Apicomplexa	*Homo sapiens*	Metazoa; Mammalia
Plasmodium berghei		*Mus musculus*	
Plasmodium chabaudi		*Drosophila melanogaster*	Metazoa; Arthropoda
Plasmodium knowlesi		*Caenorhabditis elegans*	Metazoa; Nematoda (Helminths)
Plasmodium vivax		*Arabidopsis thaliana*	Viridiplantae (green plants)
Plasmodium yoelii		*Oriza sativa*	
Toxoplasma gondii		*Saccharomyces cerevisiae*	Fungi; Ascomycota
Neospora caninum		*Escherichia coli*	Bacteria; Gammaproteobacteria
Babesia bovis			
Cryptosporidium hominis			
Cryptosporidium neoformans			
Cryptosporidium parvum			
Cryptosporidium muris			
Trypanosoma cruzi	Protozoa; Euglenozoa		
Trypanosoma brucei			
Trypanosoma brucei gambiense			
Trypanosoma congolense			
Trypanosoma vivax			
Leishmania major			
Leishmania infantum			
Leishmania braziliensis			
Leishmania Mexicana			
Giardia lamblia	Protozoa; Metamonada		
Giardia intestinalis			
Mycobacterium tuberculosis	Bacteria; Actinobacteria		
Mycobacterium leprae			
Schistosoma mansoni	Metazoa; Trematoda (Helminths)		
Brugia malayi	Metazoa; Nematoda (Helminths)		
Wolbachia Brugia malayi	Bacteria; Alphaproteobacteria		