

Table S1. Source and version of the genomes used in the analysis.

Species	Source	Version	Web reference
<i>Apis mellifera</i>	beebase	v2 (prerelease)	racex00.tamu.edu
<i>Arabidopsis thaliana</i>	TAIR	TAIR7	www.arabidopsis.org/
<i>Aspergillus nidulans</i>	Broad Institute	v1.0	www.broad.mit.edu/annotation/fgi/
<i>Aureococcus anophagefferens</i>	JGI	v1.0	www.jgi.doe.gov/
<i>Batrachochytrium dendrobatidis</i>	Broad Institute	v1.0	www.broad.mit.edu/annotation/fgi/
<i>Caenorhabditis elegans</i>	WormBase	WS170	www.wormbase.org/
<i>Capitella sp.</i>	JGI	v1.0	www.jgi.doe.gov/
<i>Chlamydomonas reinhardtii</i>	JGI	v3.1	www.jgi.doe.gov/
<i>Ciona intestinalis</i>	JGI	v2.0	www.jgi.doe.gov/
<i>Cryptosporidium parvum</i>	CryptoDB	v3.4	www.cryptodb.org/
<i>Cyanidioschyzon merolae</i>	C.merolae genome project	v1	merolae.biol.s.u-tokyo.ac.jp/
<i>Danio rerio</i>	VEGA	May 2007	vega.sanger.ac.uk/
<i>Dictyostelium discoideum</i>	dictyBase	05-20-2007	dictybase.org/
<i>Drosophila melanogaster</i>	ENSEMBL	BDGP4.3, 44.43b	www.ebi.ac.uk/ensembl/
<i>Encephalitozoon cuniculi</i>	NCBI	1	www.ncbi.nlm.nih.gov
<i>Entamoeba histolytica</i>	geneDB	17102005	www.genedb.org/
<i>Gallus gallus</i>	ENSEMBL	WASHUC2, 44.2b	www.ebi.ac.uk/ensembl/
<i>Giardia lamblia</i>	GiardiaDB	v1.0	www.giardiadb.org/
<i>Homo sapiens</i>	VEGA	Jun-07	vega.sanger.ac.uk/
<i>Leishmania major</i>	geneDB	v5.2	www.genedb.org/
<i>Lottia gigantea</i>	JGI	v1.0	www.jgi.doe.gov/
<i>Monosiga brevicollis</i>	JGI	v1.0	www.jgi.doe.gov/
<i>Naegleria gruberi</i>	JGI	v1.0	www.jgi.doe.gov/
<i>Nematostella vectensis</i>	JGI	v1.0	www.jgi.doe.gov/
<i>Neurospora crassa</i>	Broad Institute	v7.0	www.broad.mit.edu/annotation/fgi/
<i>Oryza sativa</i>	TIGR	v5.0	www.tigr.org/tdb/e2k1/osa1/
<i>Ostreococcus tauri</i>	JGI	v2.0	www.jgi.doe.gov/

<i>Paramecium tetraurelia</i>	ParameciumDB	v1.04	paramecium.cgm.cnrs-gif.fr/
<i>Phaeodactylum tricornutum</i>	JGI	v2.0	www.jgi.doe.gov/
<i>Physcomitrella patens</i>	JGI	v1.1	www.jgi.doe.gov/
<i>Phytophthora sojae</i>	JGI	v1.1	www.jgi.doe.gov/
<i>Plasmodium falciparum</i>	PlasmoDB	v5.2	www.plasmodb.org/
<i>Populus trichocarpa</i>	JGI	v1.1	www.jgi.doe.gov/
<i>Rhizopus oryzae</i>	Broad Institute	v3.0	www.broad.mit.edu/annotation/fgi/
<i>Saccharomyces cerevisiae</i>	Saccharomyces genome database	20070713	www.yeastgenome.org/
<i>Schistosoma mansoni</i>	geneDB	v4.0	www.genedb.org/
<i>Schizosaccharomyces pombe</i>	Sanger	v19	www.sanger.ac.uk/Projects/S_pombe
<i>Strongylocentrotus purpuratus</i>	Baylor College of Medicine	Spur_2.1, v4	www.hgsc.bcm.tmc.edu/
<i>Takifugu rubripes</i>	ENSEMBL	Assembly4, 44.4e	www.ebi.ac.uk/ensembl/
<i>Tetrahymena thermophila</i>	TIGR	10/24/2006	www.tigr.org/tdb/e2k1/tta1/
<i>Thalassiosira pseudonana</i>	JGI	v3.0	www.jgi.doe.gov/
<i>Theileria annulata</i>	GeneDB	v4	www.genedb.org/
<i>Toxoplasma gondii</i>	ToxoDB	v4.1	www.toxodb.org/
<i>Trichomonas vaginalis</i>	TIGR	20050331	www.tigr.org/tdb/e2k1/tvg/
<i>Trichoplax adhaerens</i>	JGI	v1.0	www.jgi.doe.gov/
<i>Trypanosoma brucei</i>	geneDB	v4	www.genedb.org/
<i>Ustilago maydis</i>	Broad Institute	v1.0	www.broad.mit.edu/annotation/fgi/