

Supplemental Table 1. Published oomycete genomes.

Species Name	Genome available link
<i>Albugo candida</i>	http://protists.ensembl.org/Albugo_candida/Info/Index
<i>Albugo laibachii</i>	http://protists.ensembl.org/Albugo_laibachii/Info/Index
<i>Aphanomyces astaci</i>	http://protists.ensembl.org/Aphanomyces_astaci/Info/Index
<i>Aphanomyces invadans</i>	http://protists.ensembl.org/Aphanomyces_invadans/Info/Index
<i>Bremia lactucae</i>	https://www.ncbi.nlm.nih.gov/assembly/GCA_004359215.1/
<i>Hyaloperonospora arabidopsidis</i>	http://protists.ensembl.org/Hyaloperonospora_arabidopsidis/Info/Index
<i>Peronospora effusa</i> Race 13	https://www.ncbi.nlm.nih.gov/assembly/GCA_003843895.1
<i>Peronospora effusa</i> Race 14	https://www.ncbi.nlm.nih.gov/assembly/GCA_003704535.1
<i>Peronospora tabacina</i> J2	https://www.ncbi.nlm.nih.gov/assembly/GCA_003843895.1
<i>Peronospora tabacina</i> S26	https://www.ncbi.nlm.nih.gov/assembly/GCA_002099245.1
<i>Plasmopara halstedii</i>	http://protists.ensembl.org/Plasmopara_halstedii/Info/Index
<i>Phytophthora infestans</i>	http://protists.ensembl.org/Phytophthora_infestans/Info/Index
<i>Phytophthora sojae</i>	http://protists.ensembl.org/Phytophthora_sojae/Info/Index
<i>Phytophthora ramorum</i>	http://protists.ensembl.org/Phytophthora_ramorum/Info/Index
<i>Pythium aphanidermatum</i>	http://protists.ensembl.org/Pythium_aphanidermatum/Info/Index
<i>Pythium arrhenomanes</i>	http://protists.ensembl.org/Pythium_arrhenomanes/Info/Index
<i>Pythium irregulare</i>	http://protists.ensembl.org/Pythium_irregulare/Info/Index
<i>Pythium iwayamai</i>	http://protists.ensembl.org/Pythium_iwayamai/Info/Index
<i>Pythium ultimum</i>	http://protists.ensembl.org/Pythium_ultimum/Info/Index
<i>Saprolegnia diclina</i> vs20	http://protists.ensembl.org/Saprolegnia_diclina_vs20/Info/Index
<i>Saprolegnia parasitica</i> CBS 223.65	http://protists.ensembl.org/Saprolegnia_parasitica_cbs_223_65/Info/Index