

PhyloGenes 3.0 Genomes Stats

This page includes information for the 40 plant genomes included in PhyloGenes v3.0.

Detailed information about the [reference genomes and proteins from PANTHER 16.0](#) that are included in PhyloGenes can be found at PANTHERDB.

To cite PANTHER, [use this reference](#).

Scientific Name	Phylogenies Displayed Name	Genome Version	UniProt Reference Version	Total ACTUAL number of protein coding genes (PCG)	Total number of protein coding genes (PCG) in PANTHER families	% of Genes in PANTHER v15
<i>Amborella trichopoda</i>	<i>A. trichopoda</i>	AMTR1.0	2020_04	27305	17050	62%
<i>Arabidopsis thaliana</i>	<i>A. thaliana</i>	TAIR10.1	2020_04	27462	24494	89%
<i>Brachypodium distachyon</i>	purple false brome	Brachypodium_distachyon_v3.0	2020_04	34230	26494	77%
<i>Brassica napus</i>	rapeseed	AST_PRJEB5043_v1	2020_04	60086	46198	77%
<i>Brassica rapa</i> subsp. <i>Pekinensis</i>	Chinese cabbage	CAAS_Brap_v3.01	2020_04	40737	35745	88%
<i>Capsicum annuum</i>	pepper	ASM51225v2	2020_04	34922	29112	83%
<i>Chlamydomonas reinhardtii</i>	<i>C. reinhardtii</i>	Chlamydomonas_reinhardtii_v5.5	2020_04	17614	11729	67%
<i>Citrus sinensis</i>	orange	Citrus_sinensis_v1.0	2020_04	27812	23046	83%
<i>Cucumis sativus</i>	cucumber	Cucumber_9930_v3	2020_04	23718	19139	81%
<i>Erythranthe guttata</i>	yellow monkeyflower	Mimgu1_0	2020_04	27380	24662	90%
<i>Eucalyptus grandis</i>	flooded gum	Egrandis1_0	2020_04	36343	30291	83%
<i>Glycine max</i>	soybean	Glycine_max_v2.1	2020_04	55846	48933	88%
<i>Gossypium hirsutum</i>	cotton	ASM98774v1	2020_04	60304	56265	93%
<i>Helianthus annuus</i>	sunflower	HanXRQr2.0-SUNRISE	2020_04	51034	39295	77%
<i>Hordeum vulgare</i>	barley	IBSC v2	2020_04	35557	27563	78%
<i>Juglans regia</i>	walnut	Walnut 2.0	2020_04	35604	33295	94%
<i>Lactuca sativa</i>	lettuce	Lsat_Salinas_v7	2020_04	37819	29681	78%
<i>Manihot esculenta</i>	cassava	Manihot_esculenta v6	2020_04	32767	27974	85%
<i>Medicago truncatula</i>	barrelclover	MedtrA17_4.0	2020_04	49634	33270	67%
<i>Musa acuminata</i>	banana	ASM31385v1	2020_04	36365	29083	80%
<i>Nelumbo nucifera</i>	sacred lotus	Chinese Lotus 1.1	2020_04	23870	22775	95%
<i>Nicotiana tabacum</i>	tobacco	Ntab-TN90	2020_04	61272	54774	89%
<i>Oryza sativa</i>	rice	IRGSP-1.0	2020_04	43659	27108	62%
<i>Ostreococcus tauri</i>	<i>O. tauri</i>	140606	2020_04	7743	5715	74%
<i>Phoenix dactylifera</i>	date palm	DPv01	2020_04	25486	24320	95%
<i>Physcomitrella patens</i>	<i>P. patens</i>	Phypa V3	2020_04	30843	19608	64%

<i>Populus trichocarpa</i>	black cottonwood	Pop_tri_v3	2020_04	42532	34650	81%
<i>Prunus persica</i>	peach	Prunus_persica_NCBIV2	2020_04	26642	23227	87%
<i>Ricinus communis</i>	castor bean	JCVI_RCG_1.1	2020_04	31127	21312	68%
<i>Selaginella moellendorffii</i>	S. moellendorffii	v1.0	2020_04	33115	26479	80%
<i>Setaria italica</i>	foxtail millet	Setaria_italica_v2.0	2020_04	52335	38985	74%
<i>Solanum lycopersicum</i>	tomato	SL3.0	2020_04	34647	25697	74%
<i>Solanum tuberosum</i>	potato	SolTub_3.0	2020_04	38810	26145	67%
<i>Sorghum bicolor</i>	sorghum	Sorghum_bicolor_NCBIV3	2020_04	33693	26751	79%
<i>Spinacia oleracea</i>	spinach	Spinach-1.0.3	2020_04	21479	17566	82%
<i>Theobroma cacao</i>	cocoa	Theobroma_cacao_20110822	2020_04	28963	22390	77%
<i>Triticum aestivum</i>	wheat	iwgsc_refseqv1.0	2020_04	102837	93889	91%
<i>Vitis vinifera</i>	grape	12X	2020_04	29873	23996	80%
<i>Zea mays</i>	corn	B73 RefGen_v4	2020_04	39385	34071	87%
<i>Zostera marina</i>	eelgrass	Zosma_marina.v.2.1	2020_04	20330	17522	86%