

PhyloGenes 4.0 Genomes Stats

This page includes information for the 40 plant genomes included in PhyloGenes v4.0.

Detailed information about the [reference genomes and proteins from PANTHER 17.0](#) 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 v17
<i>Amborella trichopoda</i>	<i>A. trichopoda</i>	AMTR1.0	2021_03	27312	15807	58%
<i>Arabidopsis thaliana</i>	<i>A. thaliana</i>	TAIR10.1	2021_03	27430	24356	89%
<i>Brachypodium distachyon</i>	purple false brome	Brachypodium_distachyon_v3.0	2021_03	34230	26342	77%
<i>Brassica napus</i>	rapeseed	AST_PRJEB5043_v1	2021_03	60104	42993	72%
<i>Brassica rapa</i> subsp. <i>Pekinensis</i>	Chinese cabbage	Brapa_1.0	2021_03	40743	34693	85%
<i>Capsicum annuum</i>	pepper	ASM51225v2	2021_03	35082	26543	76
<i>Chlamydomonas reinhardtii</i>	<i>C. reinhardtii</i>	Chlamydomonas_reinhardtii_v5.5	2021_03	17607	12107	69
<i>Citrus sinensis</i>	orange	Citrus_sinensis_v1.0	2021_03	27844	19630	70
<i>Cucumis sativus</i>	cucumber	Cucumber_9930_V3	2021_03	23714	18187	77
<i>Erythranthe guttata</i>	yellow monkeyflower	Mimgu1_0	2021_03	27391	23150	85
<i>Eucalyptus grandis</i>	flooded gum	Egrandis1_0	2021_03	36360	28760	79
<i>Glycine max</i>	soybean	Glycine_max_v2.1	2021_03	55853	47073	84
<i>Gossypium hirsutum</i>	cotton	ASM98774v1	2021_03	60410	55025	91
<i>Helianthus annuus</i>	sunflower	HanXRQr2.0-SUNRISE	2021_03	51034	36731	72
<i>Hordeum vulgare</i> subsp. <i>vulgare</i>	barley	IBSC v2	2021_03	35634	25469	71
<i>Juglans regia</i>	walnut	Walnut 2.0	2021_03	30211	28266	94
<i>Klebsormidium nitens</i>	<i>K. nitens</i>	ASM70883v1	2021_03	16168	9200	57
<i>Lactuca sativa</i>	lettuce	Lsat_Salinas_v7	2021_03	37818	27650	73
<i>Manihot esculenta</i>	cassava	Manihot esculenta v6	2021_03	32776	27414	84
<i>Marchantia polymorpha</i>	common liverwort	Marchanta_polymorpha_v1	2021_03	19114	11112	58
<i>Medicago truncatula</i>	barrelclover	MedtrA17_4.0	2021_03	49614	32286	65
<i>Musa acuminata</i> subsp. <i>malaccensis</i>	banana	Musa_acuminata_v2	2021_03	36378	27117	75
<i>Nelumbo nucifera</i>	sacred lotus	Chinese Lotus 1.1	2021_03	23876	22443	94
<i>Nicotiana tabacum</i>	tobacco	Ntab-TN90	2021_03	61314	53279	87
<i>Oryza sativa</i>	rice	IRGSP-1.0	2021_03	43658	24989	57
<i>Physcomitrella patens</i>	<i>P. patens</i>	Phypa V3	2021_03	31356	19299	62

<i>Populus trichocarpa</i>	black cottonwood	Pop_tri_v3	2021_03	42532	32759	77
<i>Prunus persica</i>	peach	Prunus_persica_NCBiv2	2021_03	26645	22835	86
<i>Ricinus communis</i>	castor bean	JCVI_RCG_1.1	2021_03	31129	20030	64
<i>Selaginella moellendorffii</i>	S. moellendorffii	v1.0	2021_03	33117	25897	78
<i>Setaria italica</i>	foxtail millet	Setaria_italica_v2.0	2021_03	35352	26044	74
<i>Solanum lycopersicum</i>	tomato	SL3.0	2021_03	34652	23848	69
<i>Solanum tuberosum</i>	potato	SolTub_3.0	2021_03	38823	24492	63
<i>Sorghum bicolor</i>	sorghum	Sorghum_bicolor_NCBiv3	2021_03	33714	26429	78
<i>Spinacia oleracea</i>	spinach	Spinach-1.0.3	2021_03	21489	16741	78
<i>Theobroma cacao</i>	cocoa	Theobroma_cacao_20110822	2021_03	28970	21816	75
<i>Triticum aestivum</i>	wheat	iwigsc_refseqv1.0	2021_03	103263	92315	89
<i>Vitis vinifera</i>	grape	12X	2021_03	29872	21834	73
<i>Zea mays</i>	corn	Zm-B73-REFERENCE-NAM-5.0	2021_03	39389	31582	80
<i>Zostera marina</i>	eelgrass	Zosma_marina.v.2.1	2021_03	20331	16470	81