

Twelve genomes used in this study.

Species	Genome size / Gene number	Number of genes encoding PWWP containing proteins	Genome sequencing / Version number	Reference
<i>Arabidopsis thaliana</i> (At)*	119.67 Mb / 33,583	16	Assembly Name TAIR9	http://www.ncbi.nlm.nih.gov/genome/?term=Arabidopsis%20TAIR10
<i>Arabidopsis lyrata</i> (Al)	207.0 Mb / 32,670	14	US DOE Joint Genome Institute Program CSP 2006	http://genome.jgi-psf.org/programs/plants/plant-projects.jsf
<i>Sorghum bicolor</i> (Sb)	698.2 Mb / 33,080	10	Assembly Name Sorbi 1	http://www.ncbi.nlm.nih.gov/genome?term=txid4558%5Borgn%5D
<i>Populus trichocarpa</i> (Pt)	427.47 Mb / 42,965	15	Assembly name Poptr1_1	http://www.ncbi.nlm.nih.gov/genome?term=txid3694%5Borgn%5D
<i>Physcomitrella patens</i> (Pp)	480.0 Mb / 32,272	7	US DOE Joint Genome Institute Program CSP 2009	http://genome.jgi-psf.org/programs/plants/plant-projects.jsf
<i>Selaginella moellendorffii</i> (Sm)	212.5 Mb / 22,273	10	US DOE Joint Genome Institute Program CSP 2005	http://genome.jgi-psf.org/programs/plants/plant-projects.jsf
<i>Chlamydomonas reinhardtii</i> CC-503 (Cr)	105.19 Mb / 14,354	5	http://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=3055	http://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?id=3055
<i>Volvox carteri</i> f. <i>Nagariensis</i> (Vc)	120 Mb / 14,437	4	US DOE Joint Genome Institute Program DOEM 2005	http://genome.jgi-psf.org/programs/plants/plant-projects.jsf

<i>Ostreococcus tauri</i> OTH95 RCC745-2009 (<i>Ot</i>)	12.56 Mb / 8,166	5	US DOE JGIP Program CSP 2010	http://genome.jgi-psf.org/programs/ plants/plant-projects.jsf
<i>Homo sapiens</i> (<i>Hs</i>)	3095.69 Mb / 36,073	24	Human Genome Project - Assembly GRCh37.p7	http://www.ncbi.nlm.nih.gov/genome/ guide/human/
<i>Nematostella vectensis</i> (<i>Nv</i>)	450 Mb / 18,000	6	US DOE Joint Genome Institute Program DOEM 2004	http://genome.jgi-psf.org/programs/ plants/plant-projects.jsf
<i>Monosiga brevicollis</i> MX1 (<i>Mb</i>)	41.6 Mb / 9,200	4	US DOE Joint Genome Institute Program DOEM 2003	http://genome.jgi-psf.org/programs/ plants/plant-projects.jsf

* abbreviations for the species shown in brackets