

Table S1. Accession numbers for nuclear, mitochondrial and chloroplast genomes of 24 plants species used in present research.

Species	Nuclear genome Accession No.	Mitochondrial genome Accession No.	Chloroplast genome Accession No.
Spermatophytes			
Eudicots			
<i>Brassica rapa</i> (<i>B. rapa</i>)	AENI00000000	JF920285	DQ231548
<i>Brassica napus</i> (<i>B. napus</i>)	PRJNA293435	AP006444	GQ861354
<i>Brassica oleracea</i> (<i>B. oleracea</i>)	AOIX00000000	JF920286	n.a. ¹
<i>Arabidopsis thaliana</i> (<i>A. thaliana</i>)	PRJNA10719	Y08501	AP000423
<i>Carica papaya</i> (<i>C. papaya</i>)	ABIM00000000	EU431224	EU431223
<i>Ricinus communis</i> (<i>R. communis</i>)	AASG02000000	HQ874649	JF937588
<i>Glycine max</i> (<i>G. max</i>)	ACUP00000000	JX463295	DQ317523
<i>Vigna radiate</i> (<i>V. radiata</i>)	PRJNA301363	HM367685	GQ893027
<i>Silene latifolia</i> (<i>S. latifolia</i>)	PRJNA289891	HM562727	JF715055
<i>Daucus carota</i> (<i>D. carota</i>)	PRJNA326436	JQ248574	DQ898156
<i>Nicotiana tabacum</i> (<i>N. tabacum</i>)	PRJNA170566	BA000042	Z00044
<i>Vitis vinifera</i> (<i>V. vinifera</i>)	PRJEA18785	FM179380	DQ424856
Monocots			
<i>Spirodela polyrhiza</i> (<i>S. polyrhiza</i>)	PRJNA205940	JQ804980	JN160603
<i>Phoenix dactylifera</i> (<i>P. dactylifera</i>)	PRJNA249070	JN375330	GU811709
<i>Oryza sativa Japonica</i> (<i>O. sativa japonica</i>)	PRJNA12269	BA000029	X15901
<i>Oryza sativa indica</i> (<i>O. sativa indica</i>)	PRJNA361	DQ167399	AY522329
<i>Triticum aestivum</i> (<i>T. aestivum</i>)	PRJEB11773	AP008982	AB042240
<i>Sorghum bicolor</i> (<i>S. bicolor</i>)	PRJNA13876	DQ984518	EF115542
<i>Zea luxurians</i> (<i>Z. luxurians</i>)	n.a. ¹	DQ645537	KR873424
<i>Zea mays</i> (<i>Z. mays</i>)	PRJNA10769	AY506529	X86563
Basal Angiosperms			
<i>Amborella trichopoda</i> (<i>A. trichopoda</i>)	PRJNA212863	KF754799-KF754803	AJ506156
Gymnosperms			
<i>Cycas taitungensis</i> (<i>C. taitungensis</i>)	n.a. ¹	AP009381	AP009339
Bryophytes			
<i>Marchantia polymorpha</i> (<i>M. polymorpha</i>)	PRJNA310693	M68929	X04465
<i>Physcomitrella patens</i> (<i>P. patens</i>)	ABEU01000000	AB251495	AP005672

¹ "n. a." notes the genome not released yet.