

Table S3 – Taxa included in the phylogenetic analyses with GenBank accession numbers.

Classification	Taxon	Genbank accessions
Gymnosperms		
	<i>Pinus thunbergii</i>	NC_001631
	<i>Cycas taitungensis</i>	NC_009618
Early diverging groups		
	<i>Amborella trichopoda</i>	NC_005086
	<i>Nymphaea alba</i>	NC_006050
	<i>Nuphar advena</i>	NC_008788
	<i>Illicium oligandrum</i>	NC_009600
	<i>Chloranthus spicatus</i>	NC_009598
	<i>Drimys granadensis</i>	NC_008456
	<i>Piper cenocladum</i>	NC_008457
	<i>Calycanthus floridus</i> var. <i>glaucus</i>	NC_004993
	<i>Magnolia kwangsiensis</i>	NC_015892
	<i>Liriodendron tulipifera</i>	NC_008326
	<i>Nandina domestica</i>	NC_008336
	<i>Ranunculus macranthus</i>	NC_008796
	<i>Platanus occidentalis</i>	NC_008335
	<i>Buxus microphylla</i>	NC_009599
	<i>Ceratophyllum demersum</i>	NC_009962
Monocots		
	<i>Acorus calamus</i>	NC_007407
	<i>Wolffia australiana</i>	NC_015899
	<i>Lemna minor</i>	NC_010109
	<i>Phalaenopsis aphrodite</i>	NC_007499
	<i>Dioscorea elephantipes</i>	NC_009601
	<i>Phoenix dactylifera</i>	NC_013991
	<i>Typha latifolia</i>	NC_013823
	<i>Oryza nivara</i>	NC_005973
	<i>Triticum aestivum</i>	NC_002762
	<i>Hordeum vulgare</i>	NC_008590
	<i>Zea mays</i>	NC_001666
	<i>Sorghum bicolor</i>	NC_008602
	<i>Saccharum</i> hybrid cultivar SP-80-3280	NC_005878
Rosids		
	<i>Vitis vinifera</i>	NC_007957
	<i>Populus alba</i>	NC_008235
	<i>Hevea brasiliensis</i>	NC_015308
	<i>Manihot esculenta</i>	NC_010433

	<i>Castanea mollissima</i>	NC_014674
	<i>Cucumis sativus</i>	NC_007144
	<i>Prunus persica</i>	NC_014697
	<i>Morus indica</i>	NC_008359
	<i>Glycine max</i>	NC_007942
	<i>Phaseolus vulgaris</i>	NC_009259
	<i>Lotus japonicus</i>	NC_002694
	<i>Cicer arietinum</i>	NC_011163
	<i>Medicago truncatula</i>	NC_003119
	<i>Cicer arietinum</i>	NC_011163
	<i>Eucalyptus grandis</i>	NC_014570
	<i>Oenothera argillicola</i>	NC_010358
	<i>Pelargonium x hortorum</i>	NC_008454
	<i>Citrus sinensis</i>	NC_008334
	<i>Gossypium arboreum</i>	NC_016712
	<i>Theobroma cacao</i>	NC_014676
	<i>Carica papaya</i>	NC_010323
	<i>Aethionema cordifolium</i>	NC_009265
	<i>Arabis hirsuta</i>	NC_009268
	<i>Nasturtium officinale</i>	NC_009275
	<i>Arabidopsis thaliana</i>	NC_000932
Caryophyllales		
	<i>Spinacia oleracea</i>	NC_002202
	<i>Fagopyrum esculentum</i>	NC_010776
Asterids		
	<i>Camellia sinensis</i> var. <i>assamica</i>	JQ975030
	<i>C. oleifera</i>	JQ975031
	<i>C. taliensis</i>	JQ975032
	<i>Coffea arabica</i>	NC_008535
	<i>Jasminum nudiflorum</i>	NC_008407
	<i>Olea europaea</i>	NC_013707
	<i>Boea hygrometrica</i>	NC_016468
	<i>Sesamum indicum</i>	NC_016433
	<i>Ipomoea purpurea</i>	NC_009808
	<i>Cuscuta exaltata</i>	NC_009963
	<i>Nicotiana tabacum</i>	NC_001879
	<i>Atropa belladonna</i>	NC_004561
	<i>Solanum bulbocastanum</i>	NC_007943
	<i>Panax ginseng</i>	NC_006290
	<i>Eleutherococcus senticosus</i>	NC_016430
	<i>Oxypolis greenmanii</i>	NC_015832
	<i>Crithmum maritimum</i>	NC_015804
	<i>Petroselinum crispum</i>	NC_015821
	<i>Anthriscus cerefolium</i>	NC_015113

<i>Daucus carota</i>	NC_008325
<i>Trachelium caeruleum</i>	NC_010442
<i>Lactuca sativa</i>	NC_007578
<i>Jacobaea vulgaris</i>	NC_015543
<i>Ageratina adenophora</i>	NC_015621
<i>Helianthus annuus</i>	NC_007977
<i>Guizotia abyssinica</i>	NC_010601
