**Table S2** List of taxa included in either text or figures with GenBank accession numbers, which include the referred sequences, either of the complete genome or specific parts. References are given following the table.

|  |  |  |
| --- | --- | --- |
| **Taxon** | **GenBank Accessions** | **Reference** |
| **Chlorophyta** |  |  |
| *Chlamydomonas reinhardtii* | NC\_005353 | [1] |
| *Chlorella vulgaris* | NC\_001865 | [2] |
| *Nephroselmis olivacea* | NC\_000927 | [3] |
| *Oocystis solitaria* | FJ968739 | [4] |
| *Ostreococcus tauri* | NC\_008289 | [5] |
| **Streptophyta** |  |  |
| **Streptophytina** |  |  |
| *Chara vulgaris* | NC\_008097 | [6] |
| *Chaetosphaeridium globosum* | NC\_004115 | [7] |
| *Chlorokybus atmophyticus* | NC\_008822 | [8] |
| *Mesostigma viride* | NC\_002186 | [9] |
| **Spermatophyta** |  |  |
| **Coniferophyta** |  |  |
| *Cephalotaxus wilsoniana* | NC\_016063 | [10] |
| *Cryptomeria japonica* | NC\_010548 | [11] |
| *Taiwania cryptomerioides* | NC\_016065 | [10] |
| **Core Eudicotyledons** |  |  |
| **Asterids** |  |  |
| **Cornales** |  |  |
| *Cornus florida* | EU002157, EU002175, EU002215, EU002276, EU002311, EU002377, EU002491, GQ998074-GQ998146 | [12]  [13] |
| *Davidia involucrata* | GU226265, HM100286-HM100288 | (Li and Zhang, 2011)\* |
|  |  | [14] |
| **Ericales** |  |  |
| *Arbutus unedo* | JQ067650 | This study |
| *Ardisia polysticta* | NC\_021121 | [15] |
| *Camellia sinensis* | NC\_020019 | (Hong *et al*., 2012)\* |
| *Franklinia alatamaha* | HM100287-HM100423 | (Li and Zhang, 2011)\* |
| *Rhododendron simsii* | GQ997782 -GQ997859 | [13] |
| *Vacccinium macrocarpon* | NC\_019616 | [16] |
| **Campanulids** |  |  |
| **Apiales** |  |  |
| *Anethum graveolens* | EU016721-EU016801 | [17] |
| *Anthriscus cerefolium* | NC\_015113 | (Downie S.R., 2011)\* |
| *Crithmum maritimum* | NC\_015804 | (Downie S.R., 2011)\* |
| *Daucus carota* | NC\_008325 | [18] |
| *Eleutherococcus senticosus* | NC\_016430 | (Yi *et al*., 2011)\* |
| *Hydrocotyle sp* | NC\_015818 | (Downie S.R., 2011)\* |
| *Panax ginseng* | NC\_006290 | [19] |
| *Petroselinum crispum* | NC\_015821  DEFINITION Petroselinum crispum chloroplast, complete genome.  ACCESSION NC\_015821  VERSION NC\_015821.1 GI:340034260 | (Downie S.R., 2011)\* |
| **Aquifoliales** |  |  |
| *Ilex cornuta* | GQ997298-GQ997380 | [13] |
| **Asterales** |  |  |
| *Ageratina adenophora* | NC\_015621 | [20] |
| *Guizotia abyssinica* | NC\_010601  NC\_010601 | [21] |
| *Helianthus annuus* | NC\_007977 | [22] |
| *Jacobaea vulgaris* | NC\_015543 | [23] |
| *Lactuca sativa* | NC\_007578 | [22] |
| *Oxypolis greenmanii* | NC\_015832 | (Downie S.R., 2011)\* |
| *Parthenium argentatum* | NC\_013553 | [24] |
| *Scaevola aemula* | EU017139-EU017217 | [17] |
| *Trachelium caeruleum* | NC\_010442 | [25] |
| **Dipsacales** |  |  |
| *Lonicera japonica* | GQ997381-GQ997463 | [13] |
| **Lamiids** |  |  |
| **Boraginaceae(incertae sedis)** |  |  |
| *Ehretia acuminata* | GQ997215-GQ997297 | [13] |
| **Garryales** |  |  |
| *Aucuba japonica* | GQ997049-GQ997131 | [13] |
| **Gentianales** |  |  |
| *Asclepias syriaca* | JF433943 | [26] |
| *Coffea arabica* | NC\_008535 | [27] |
| *Nerium oleander* | GQ997630-GQ997712 | [13] |
| **Lamiales** |  |  |
| *Boea hygrometrica* | NC\_016468 | [28] |
| *Epifagus virginiana* | NC\_001568 | [29] |
| *Jasminum nudiflorum* | NC\_008407 | [30] |
| *Olea europea* | NC\_013707 | [31] |
| *Olea europea subsp. cuspidata* | NC\_015604 | [31] |
| *Olea europea subsp. europaea* | NC\_015401 | [31] |
| *Olea europea subsp. maroccana* | NC\_015623 | [31] |
| *Olea woodiana subsp. woodiana* | NC\_015608 | [31] |
| *Sesamum indicum* | NC\_016433 | [32] |
| *Tectona grandis* | NC\_020098 | (Volkaert, 2013)\* |
| **Solanales** |  |  |
| *Atropa belladonna* | NC\_004561 | [33] |
| *Capsicum annuum* | NC\_018552 | [34] |
| *Cuscuta exalta* | NC\_009963 | [35] |
| *Cuscuta gronovii* | NC\_009765 | [36] |
| Cuscuta obtusiflora | NC\_009949 | [35] |
| *Cuscuta reflexa* | NC\_009766 | [36] |
| *Datura stramonium* | NC\_018117 | (Li, *et al.,* 2012)\* |
| *Ipomoea purpurea* | NC\_009808 | [35] |
| *Nicotiana sylvestris* | NC\_007500 | [37] |
| *Nicotiana tabacum* | NC\_001879 | [38] |
| *Nicotiana tomentosiformis* | NC\_007602 | [37] |
| *Nicotiana undulata* | NC\_016068 | [39] |
| *Solanum bulbocastanum* | NC\_007943 | [40] |
| *Solanum lycopersicum* | NC\_007898 | [41] |
| *Solanum tuberosum* | NC\_008096 | [42] |
| **Rosids** |  |  |
| **Malvids** |  |  |
| **Geraniales** |  |  |
| *Monsonia speciosa* | NC\_014582 | [43] |
| *Pelargonium x hortorum* | NC\_008454 | [44] |
| **Fabids** |  |  |
| **Fabales** |  |  |
| *Cicer arietinum* | NC\_011163 | [17] |
| *Medicago truncatula* | NC\_003119 | (Lin,S. *et al*., 2009)\* |
| *Phaseolus vulgaris* | NC\_009259 | [45] |
| *Vigna radiata* | NC\_013843 | [46] |
| **Malpighiales** |  |  |
| *Populus alba* | NC\_008235 | [47] |
| *Populus trichocarpa* | NC\_009143 | [48] |
| **Malvales** |  |  |
| *Gossypium hirsutum* | NC\_007944 | [49] |

\* Unpublished

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