|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Genbank accession | | |
| species (phylogenetic reconstruction) | Used in ancestral state reconstruction | rbcL | psbA | rps4 |
| Abies\_alba | + | AB029652 | NA | NA |
| Abies\_balsamea | + | JN935605 | NA | NA |
| Abies\_homolepis | + | AB015648 | NA | AY188224 |
| Abies\_magnifica | + | X58391 | NA | NA |
| Abies\_nordmanniana | + | AB029654 | NA | NA |
| Abies\_religiosa | + | JN935629 | NA | NA |
| Acacia\_mangium | + | KJ440053 | NA | NA |
| Acanthus\_ilicifolius | + | KF848219 | NA | NA |
| Acer\_macrophyllum | + | DQ978414 | NA | NA |
| Acer\_platanoides | + | DQ978424 | NA | NA |
| Acer\_pseudoplatanus | + | DQ978425 | NA | NA |
| Achillea\_millefolium | + | EU384938 | NA | NA |
| Acianthus\_exsertus | + | AF074101 | NA | NA |
| Adiantum\_capillus\_veneris | - | NC\_004766 | NC\_004766 | NC\_004766 |
| Aegiceras\_corniculatum | + | AY289687 | NA | NA |
| Aegopodium\_podagraria | + | U50220 | NA | NA |
| Afrocarpus\_falcatus | + | X58135 | NA | AY188254 |
| Afzelia\_africana | + | KJ735963 | NA | NA |
| Agarista\_salicifolia | + | AF124588 | NA | NA |
| Agrostis\_capillaris | + | AY395527 | NA | NA |
| Agrostis\_scabra | + | JX848486 | NA | NA |
| Agrostis\_stolonifera | + | NC\_008591 | NC\_008591 | NC\_008591 |
| Ajuga\_reptans | + | NC\_023102 | NC\_023102 | NC\_023102 |
| Allisonia\_cockaynii | + | AY507389 | AY507472 | AY507432 |
| Allium\_ampeloprasum | + | HM849754 | NA | NA |
| Allium\_cepa | + | NC\_024813 | NC\_024813 | NC\_024813 |
| Allium\_fistulosum | + | JQ273895 | JQ275949 | JQ274288 |
| Alnus\_acuminata | + | KF418925 | NA | NA |
| Alnus\_alnobetula | + | AY263926 | NA | EU002289 |
| Alnus\_cordata | + | FJ844569 | NA | NA |
| Alnus\_glutinosa | + | KM360625 | NA | NA |
| Alnus\_incana | + | HM849757 | NA | NA |
| Alnus\_nitida | + | KF418931 | NA | NA |
| Alnus\_rubra | + | KF418933 | NA | NA |
| Alsophila\_spinulosa | - | NC\_012818 | NC\_012818 | NC\_012818 |
| Alzatea\_verticillata | + | U26316 | NA | NA |
| Amborella\_trichopoda | - | NC\_005086 | NC\_005086 | NC\_005086 |
| Ammophila\_arenaria | + | JN890705 | NA | NA |
| Ammophila\_breviligulata | + | AJ784835 | NA | NA |
| Anacamptis\_laxiflora | + | KF997401 | NA | NA |
| Anacamptis\_morio | + | KF997322 | NA | NA |
| Anagallis\_arvensis | + | M88343 | NA | NA |
| Andromeda\_polifolia | + | AF124572 | NA | NA |
| Andropogon\_gerardii | + | AJ784818 | NA | NA |
| Anemone\_patens | + | KR297057 | KR297057 | KR297057 |
| Aneura\_maxima | + | EF547813 | NA | DQ983855 |
| Aneura\_mirabilis | + | NC\_010359 | NC\_010359 | NC\_010359 |
| Aneura\_pinguis | + | AB476550 | AY507474 | AY608043 |
| Angiopteris\_angustifolia | - | NC\_026300 | NC\_026300 | NC\_026300 |
| Angiopteris\_evecta | - | NC\_008829 | NC\_008829 | NC\_008829 |
| Anisoptera\_costata | + | KJ594581 | NA | NA |
| Anogramma\_leptophylla | + | AY168715 | NA | NA |
| Antennaria\_dioica | + | KF602143 | NA | NA |
| Anthoceros\_agrestis | + | DQ845682 | NA | KP238684 |
| Anthoceros\_angustus | - | NC\_004543 | NC\_004543 | NC\_004543 |
| Anthoceros\_fusiformis | + | DQ845677 | NA | NA |
| Anthoceros\_lamellatus | + | DQ845679 | NA | KP238690 |
| Anthoceros\_laminiferus | + | AY463053 | NA | KP238691 |
| Anthoceros\_punctatus | + | U87063 | NA | AJ250117 |
| Anthoxanthum\_odoratum | + | AJ746256 | NA | Z29228 |
| Aphyllorchis\_montana | + | FJ454874 | NA | NA |
| Arachis\_hypogaea | + | NC\_026676 | NC\_026676 | NC\_026676 |
| Araucaria\_angustifolia | + | U87750 | NA | EU165034 |
| Arbutus\_unedo | + | JQ067650 | JQ067650 | JQ067650 |
| Arctostaphylos\_uva-ursi | + | GU176649 | NA | NA |
| Aristida\_adscensionis | + | EF423002 | NA | NA |
| Arnica\_montana | + | KF602249 | NA | NA |
| Arrhenatherum\_elatius | + | AJ784823 | NA | NA |
| Artemisia\_frigida | + | NC\_020607 | NC\_020607 | NC\_020607 |
| Artemisia\_ludoviciana | + | JX848405 | NA | NA |
| Artemisia\_vulgaris | + | KM360653 | NA | NA |
| Arthrocnemum\_macrostachyum | + | AY270058 | NA | NA |
| Arum\_italicum | + | GU067578 | NA | X84113 |
| Arum\_maculatum | + | GU067582 | NA | NA |
| Arundina\_graminifolia | + | AF074111 | NA | NA |
| Asparagus\_officinalis | + | HQ182417 | HQ181820 | JQ274297 |
| Aster\_tripolium | + | JN891980 | NA | NA |
| Athyrium\_yokoscense | + | D43893 | NA | JN168078 |
| Austrobaileya\_scandens | + | L12632 | NA | AF313613 |
| Austrocedrus\_chilensis | + | EU161449 | NA | EU161501 |
| Austrofossombronia\_australis | + | AY507392 | AY507475 | HM036244 |
| Avena\_barbata | + | HM849803 | NA | NA |
| Avicennia\_officinalis | + | KF848224 | NA | NA |
| Barbilophozia\_barbata | + | DQ312477 | AM396187 | AM398313 |
| Barbilophozia\_hatcheri | + | DQ312478 | KC184777 | AM398338 |
| Barbilophozia\_lycopodioides | + | KC297121 | KC184778 | AM398333 |
| Betula\_alleghaniensis | + | KF418936 | NA | NA |
| Betula\_papyrifera | + | EU676902 | NA | NA |
| Betula\_pendula | + | KM360670 | NA | NA |
| Betula\_platyphylla | + | AY263927 | NA | NA |
| Betula\_pubescens | + | JN893073 | NA | NA |
| Bistorta\_vivipara | + | FM883608 | NA | NA |
| Blasia\_pusilla | + | AB476555 | AY507477 | NA |
| Boscia\_foetida | + | JF265309 | NA | NA |
| Botrychium\_virginianum | + | AY138407 | NA | NA |
| Bouteloua\_gracilis | + | JX848489 | NA | NA |
| Brachypodium\_pinnatum | + | AY632361 | NA | Z29230 |
| Brassica\_napus | + | NC\_016734 | NC\_016734 | NC\_016734 |
| Briza\_media | + | KF602072 | NA | NA |
| Brodiaea\_coronaria | + | Z69210 | NA | NA |
| Bromus\_erectus | + | AJ746286 | NA | Z29232 |
| Bromus\_tectorum | + | KF712969 | AY744775 | NA |
| Bucegia\_romanica | + | EU519194 | NA | AJ250182 |
| Burmannia\_capitata | + | AY149347 | NA | NA |
| Cajanus\_cajan | + | EU717273 | NA | NA |
| Calamagrostis\_arundinacea | + | HQ600475 | NA | NA |
| Callicarpa\_americana | + | KJ773329 | NA | NA |
| Calluna\_vulgaris | + | L12601 | NA | NA |
| Caltha\_palustris | + | EU053906 | NA | NA |
| Calypogeia\_fissa | + | DQ312479 | NA | NA |
| Calypogeia\_muelleriana | + | AM392302 | AM396306 | AY608052 |
| Camellia\_japonica | + | AF380035 | NA | NA |
| Campanula\_punctata | + | EU643725 | NA | NA |
| Caragana\_korshinskii | + | FJ537215 | NA | NA |
| Cardamine\_pratensis | + | KM360692 | NA | NA |
| Carduus\_tenuiflorus | + | HM849849 | NA | NA |
| Carex\_hirta | - | KJ841178 | NA | NA |
| Carya\_illinoinensis | + | KP088511 | NA | NA |
| Castanea\_dentata | + | KF418892 | NA | NA |
| Castanea\_mollissima | + | NC\_014677 | NC\_014676 | NC\_014678 |
| Castanea\_sativa | + | KM360699 | NA | NA |
| Castanopsis\_fargesii | + | JF941175 | NA | NA |
| Casuarina\_equisetifolia | + | AY263930 | NA | NA |
| Cecropia\_obtusa | + | JQ626251 | NA | NA |
| Cedrela\_odorata | + | AJ402938 | NA | NA |
| Cedrus\_atlantica | + | AF145457 | NA | EF053196 |
| Cedrus\_deodara | + | NC\_014575 | NC\_014575 | NC\_014575 |
| Cenchrus\_ciliaris | + | FR821344 | NA | NA |
| Centaurea\_jacea | + | KF602073 | NA | NA |
| Cephalanthera\_damasonium | + | AF074123 | NA | NA |
| Cephalanthera\_erecta | + | JF972908 | NA | NA |
| Cephalanthera\_falcata | + | JF972909 | NA | NA |
| Cephalanthera\_longibracteata | + | AB856507 | NA | NA |
| Cephalanthera\_longifolia | + | JX051381 | NA | NA |
| Cephalanthera\_rubra | + | JX088502 | NA | NA |
| Cephalozia\_bicuspidata | + | KF852370 | AM396186 | JF513486 |
| Cephaloziella\_varians | + | DQ439689 | AY607953 | AY608074 |
| Ceratopteris\_richardii | - | KM052729 | KM052729 | KM052729 |
| Cercocarpus\_ledifolius | + | U06796 | NA | NA |
| Chamaecyparis\_obtusa | + | JQ512525 | NA | AY188283 |
| Chamerion\_angustifolium | + | KM360765 | NA | NA |
| Chimaphila\_umbellata | + | AF419818 | NA | NA |
| Cinchona\_officinalis | + | AY538480 | NA | NA |
| Cinnamomum\_bejolghota | + | GQ248569 | NA | NA |
| Citrullus\_colocynthis | + | HM849900 | NA | NA |
| Citrus\_maxima | + | AB505955 | NA | NA |
| Clematis\_vitalba | + | KM360724 | NA | NA |
| Clintonia\_borealis | + | AB056856 | NA | NA |
| Cneorum\_tricoccon | + | FR747837 | NA | NA |
| Coffea\_arabica | + | NC\_008535 | NC\_008535 | NC\_008535 |
| Comarostaphylis\_arbutoides | + | AF419819 | NA | NA |
| Commelina\_benghalensis | + | L05033 | NA | NA |
| Conocephalum\_conicum | + | AY688778 | AB020574 | DQ220678 |
| Convallaria\_majalis | + | D28334 | NA | NA |
| Conyza\_canadensis | + | KM360730 | NA | NA |
| Corallorhiza\_trifida | + | NC\_025662 | NC\_025662 | NC\_025662 |
| Cornus\_suecica | + | AF421085 | JF321223 | NA |
| Corycium\_carnosum | + | AY381115 | NA | NA |
| Corylus\_avellana | + | HM849918 | NA | NA |
| Corylus\_colurna | + | KF418951 | NA | NA |
| Crataegus\_monogyna | + | KM360737 | NA | NA |
| Cremastra\_appendiculata | + | FJ445514 | NA | NA |
| Cymbidium\_ensifolium | + | AF074141 | NA | NA |
| Cymbidium\_floribundum | + | KJ597961 | NA | NA |
| Cymbidium\_goeringii | + | KC704878 | NA | NA |
| Cymbidium\_lancifolium | + | KJ597953 | NA | NA |
| Cymbidium\_macrorhizon | + | KF296680 | NA | NA |
| Cymbidium\_sinense | + | NC\_021430 | NC\_021430 | NC\_021430 |
| Cymbopogon\_nardus | + | KJ740992 | NA | NA |
| Cynara\_cardunculus | + | KM035764 | KM035764 | KM035764 |
| Cynosurus\_cristatus | + | HM849932 | NA | NA |
| Cynosurus\_echinatus | + | HM849933 | NA | NA |
| Cypripedium\_acaule | + | EF370111 | NA | NA |
| Cypripedium\_arietinum | + | EF370104 | NA | NA |
| Cypripedium\_calceolus | + | AB176549 | NA | NA |
| Cypripedium\_californicum | + | EF370108 | NA | NA |
| Cypripedium\_candidum | + | EF370103 | NA | NA |
| Cypripedium\_debile | + | EF370114 | NA | NA |
| Cypripedium\_fasciculatum | + | EF370112 | NA | NA |
| Cypripedium\_flavum | + | JN181474 | NA | NA |
| Cypripedium\_formosanum | + | NC\_026772 | NC\_026772 | NC\_026772 |
| Cypripedium\_guttatum | + | EF370113 | NA | NA |
| Cypripedium\_japonicum | + | KJ625630 | KJ625630 | KJ625630 |
| Cypripedium\_montanum | + | EF370102 | NA | NA |
| Cypripedium\_parviflorum | + | EF370106 | NA | NA |
| Cypripedium\_reginae | + | EF370105 | NA | NA |
| Cypripedium\_tibeticum | + | JQ182215 | NA | NA |
| Cystopteris\_protrusa | - | KP136830 | KP136830 | KP136830 |
| Dacrycarpus\_dacrydioides | + | AF249597 | NA | NA |
| Dactylis\_glomerata | + | JX848494 | NA | NA |
| Daucus\_carota | + | NC\_008325 | NC\_008325 | NC\_008325 |
| Delonix\_regia | + | AY904419 | NA | NA |
| Dendrobium\_catenatum | + | KF177581 | HM768333 | NA |
| Dendrobium\_chrysanthum | + | KF177586 | NA | NA |
| Dendrobium\_crumenatum | + | JF713166 | NA | NA |
| Dendrobium\_fimbriatum | + | KF177603 | NA | NA |
| Dendrobium\_nobile | + | AB519785 | NA | NA |
| Dendroceros\_crispus | + | DQ845662 | NA | KP238702 |
| Dendroceros\_validus | + | JX885634 | NA | NA |
| Dendrolycopodium\_dendroideum | + | KJ593352 | NA | NA |
| Dichrostachys\_cinerea | + | JQ025041 | NA | NA |
| Dicksonia\_squarrosa | + | KJ569698 | KJ569698 | KJ569698 |
| Dicorynia\_guianensis | + | JQ626129 | NA | NA |
| Dimocarpus\_longan | + | AY724349 | NA | NA |
| Dioon\_edule | - | AF531203 | NA | GQ204075 |
| Dioscorea\_rotundata | + | KJ629262 | JF705476 | NA |
| Diphasiastrum\_alpinum | + | AJ133250 | NA | AM777778 |
| Diplophyllum\_albicans | + | AM392309 | AM396190 | AY608060 |
| Diplophyllum\_obtusifolium | + | AY507397 | AY507480 | AY507439 |
| Diplopterygium\_glaucum | + | NC\_024158 | NC\_024158 | NC\_024158 |
| Dipteris\_conjugata | - | KP136829 | KP136829 | KP136829 |
| Dipterocarpus\_tuberculatus | + | KM267148 | NA | NA |
| Disa\_bracteata | + | AY368344 | NA | NA |
| Disperis\_capensis | + | AY381120 | NA | NA |
| Dodonaea\_viscosa | + | AM235129 | NA | NA |
| Dryas\_integrifolia | + | KC482649 | NA | NA |
| Dryas\_octopetala | + | KF602200 | NA | JF317523 |
| Dysphania\_ambrosioides | + | HM587599 | NA | NA |
| Elephantopus\_scaber | + | GQ436445 | NA | NA |
| Empetrum\_nigrum | + | AF421091 | NA | NA |
| Enkianthus\_campanulatus | + | L12616 | NA | NA |
| Enkianthus\_cernuus | + | AB726263 | NA | NA |
| Enkianthus\_nudipes | + | AB726264 | NA | NA |
| Enkianthus\_perulatus | + | JF941463 | NA | NA |
| Enkianthus\_sikokianus | + | AB726257 | NA | NA |
| Enkianthus\_subsessilis | + | AB726255 | NA | NA |
| Eperua\_falcata | + | JQ626198 | NA | NA |
| Eperua\_grandiflora | + | JQ625939 | NA | NA |
| Ephedra\_fragilis | + | AY755784 | NA | AY591477 |
| Epidendrum\_rhopalostele | + | KF679618 | NA | NA |
| Epilobium\_ciliatum | + | KF997326 | NA | NA |
| Epipactis\_albensis | + | FJ454878 | NA | NA |
| Epipactis\_atrorubens | + | JX088503 | NA | NA |
| Epipactis\_dunensis | + | JX088504 | NA | NA |
| Epipactis\_helleborine | + | Z73707 | NA | NA |
| Epipactis\_palustris | + | JX094817 | NA | NA |
| Epipactis\_purpurata | + | JX094816 | NA | NA |
| Equisetum\_arvense | - | NC\_014699 | NC\_014699 | NC\_014699 |
| Equisetum\_fluviatile | + | AB574684 | NA | DQ463116 |
| Equisetum\_hyemale | - | NC\_020146 | NC\_020146 | NC\_020146 |
| Erica\_carnea | + | KP737713 | NA | NA |
| Erica\_ciliaris | + | KF997417 | NA | NA |
| Erica\_cinerea | + | KM360768 | NA | NA |
| Erica\_vagans | + | KF997402 | NA | NA |
| Eriochilus\_cucullatus | + | AF074166 | NA | NA |
| Erythranthe\_guttata | + | KF997284 | NA | KJ161985 |
| Eucalyptus\_camaldulensis | + | NC\_022398 | NC\_022398 | NC\_022398 |
| Eucalyptus\_globulus | + | NC\_008115 | NC\_008115 | NC\_008115 |
| Eucalyptus\_gunnii | + | KM360776 | NA | NA |
| Eucalyptus\_marginata | + | NC\_022390 | NC\_022390 | NC\_022390 |
| Eucalyptus\_nitens | + | NC\_022395 | NC\_022395 | NC\_022395 |
| Excoecaria\_agallocha | + | AY794839 | NA | NA |
| Exormotheca\_pustulosa | + | DQ286010 | DQ265754 | DQ220684 |
| Fagopyrum\_esculentum | + | NC\_010776 | NC\_010776 | NC\_010776 |
| Fagopyrum\_tataricum | + | NC\_027161 | NC\_027161 | NC\_027161 |
| Fagus\_grandifolia | + | AY935745 | NA | NA |
| Fagus\_sylvatica | + | KF418911 | NA | NA |
| Faramea\_occidentalis | + | JQ593668 | NA | NA |
| Festuca\_idahoensis | + | KJ756344 | NA | NA |
| Festuca\_ovina | + | NC\_019649 | NC\_019649 | NC\_019649 |
| Festuca\_pratensis | + | NC\_019650 | NC\_019650 | NC\_019650 |
| Festuca\_rubra | + | AJ746261 | NA | NA |
| Festuca\_rupicola | + | KJ746319 | NA | NA |
| Folioceros\_fuciformis | + | AY463050 | NA | KP238708 |
| Folioceros\_glandulosus | + | JF815573 | NA | NA |
| Fossombronia\_angulosa | + | AY507398 | AY507481 | HQ447031 |
| Fragaria\_vesca | + | NC\_015206 | NC\_015206 | NC\_015206 |
| Fraxinus\_excelsior | + | KP088611 | NA | NA |
| Galium\_album | + | X81090 | NA | NA |
| Galium\_aparine | + | X81091 | NA | HQ385112 |
| Gaultheria\_procumbens | + | HQ590116 | NA | NA |
| Gaultheria\_shallon | + | KM360799 | NA | NA |
| Genista\_cinerea | + | Z70094 | NA | NA |
| Geothallus\_tuberosus | + | U87070 | NA | NA |
| Geranium\_pratense | + | KP963381 | KP963305 | NA |
| Geum\_rivale | + | KM360804 | NA | NA |
| Ginkgo\_biloba | + | NC\_016986 | NC\_016986 | NC\_016986 |
| Glechoma\_hederacea | + | Z37391 | NA | NA |
| Gleichenia\_microphylla | + | DQ910504 | NA | JQ911728 |
| Gliricidia\_sepium | + | KF381127 | NA | NA |
| Glycine\_max | + | NC\_007942 | NC\_007942 | NC\_007942 |
| Gnetum\_gnemon | + | NC\_026301 | NC\_026301 | NC\_026301 |
| Goodyera\_foliosa | + | HM141074 | NA | NA |
| Goodyera\_maximowicziana | + | KF296607 | NA | NA |
| Goodyera\_oblongifolia | + | HM141070 | NA | NA |
| Goodyera\_procera | + | HM141076 | NA | NA |
| Goodyera\_pubescens | + | FJ571329 | NA | NA |
| Goodyera\_repens | + | FJ571330 | NA | NA |
| Goodyera\_schlechtendaliana | + | HM141073 | NA | NA |
| Goodyera\_velutina | + | HM141075 | NA | NA |
| Guapira\_discolor | + | KJ522686 | NA | NA |
| Guapira\_fragrans | + | JX844257 | NA | NA |
| Guarea\_pterorhachis | + | JQ592716 | NA | NA |
| Gymnadenia\_conopsea | + | KC704906 | NA | NA |
| Gynostemma\_pentaphyllum | + | AY968523 | NA | NA |
| Handroanthus\_ochraceus | + | JQ590852 | NA | NA |
| Haplomitrium\_blumei | + | AY507402 | AY507485 | AY507443 |
| Haplomitrium\_chilensis | + | KC305698 | NA | NA |
| Haplomitrium\_gibbsiae | + | KF852350 | AY607947 | AY688793 |
| Haplomitrium\_hookeri | + | U87072 | AY877398 | AJ251064 |
| Hedera\_rhombea | + | AB817831 | NA | NA |
| Hedyosmum\_goudotianum | + | EU302198 | NA | NA |
| Helianthemum\_squamatum | + | FJ225851 | NA | NA |
| Helianthus\_annuus | + | NC\_007977 | NC\_007977 | NC\_007977 |
| Helichrysum\_stoechas | + | GU817766 | NA | NA |
| Heteropogon\_contortus | + | AM235061 | NA | NA |
| Heterotheca\_villosa | + | JX848417 | NA | NA |
| Hexalectris\_revoluta | + | AF264168 | FJ457818 | NA |
| Hieronyma\_oblonga | + | AY663588 | NA | NA |
| Holcus\_lanatus | + | KF602083 | NA | NA |
| Hopea\_odorata | + | KM267144 | NA | NA |
| Hordeum\_vulgare | + | NC\_008590 | NC\_008590 | NC\_008590 |
| Huperzia\_appressa | + | DQ464220 | NA | NA |
| Huperzia\_lucidula | + | NC\_006861 | NC\_006861 | NC\_006861 |
| Hyacinthoides\_non-scripta | + | KM360826 | NA | NA |
| Hymenostegia\_ngouniensis | + | KC685085 | NA | NA |
| Hypericum\_maculatum | + | KF602180 | NA | NA |
| Hypochaeris\_radicata | + | AY395542 | NA | NA |
| Inga\_acreana | + | JQ625968 | NA | NA |
| Inga\_edulis | + | FJ173737 | NA | NA |
| Intsia\_bijuga | + | KF496786 | NA | NA |
| Inula\_conyza | + | JN892414 | NA | NA |
| Ionopsis\_utricularioides | + | FJ534225 | NA | NA |
| Ipomoea\_pes\_caprae | + | KF242490 | KF242490 | KF242490 |
| Isoetes\_echinospora | + | FJ785184 | NA | NA |
| Isoetes\_flaccida | - | NC\_014675 | NC\_014675 | NC\_014675 |
| Isoetes\_lacustris | + | AJ010855 | NA | NA |
| Isopaches\_bicrenatus | + | KF852384 | KF851946 | KF851475 |
| Jacobaea\_vulgaris | + | NC\_015543 | NC\_015543 | NC\_015543 |
| Japonolirion\_osense | + | JQ068978 | NA | NA |
| Jensenia\_connivens | + | AY688782 | AY688829 | AY507450 |
| Juglans\_regia | + | KF418920 | NA | NA |
| Juncus\_bulbosus | + | HM850086 | NA | NA |
| Kandelia\_candel | + | AF127682 | NA | NA |
| Keteleeria\_davidiana | + | NC\_011930 | NC\_011930 | NC\_011930 |
| Knautia\_arvensis | + | KF602109 | NA | NA |
| Kobresia\_myosuroides | + | KF602151 | NA | NA |
| Kummerowia\_striata | + | KJ773609 | NA | NA |
| Larix\_decidua | + | NC\_016058 | NC\_016058 | NC\_016058 |
| Larix\_gmelinii | + | JQ512557 | NA | EF053200 |
| Larix\_kaempferi | + | JQ512558 | NA | NA |
| Lavandula\_latifolia | + | Z37406 | NA | NA |
| Leiosporoceros\_dussii | + | AY463052 | NA | KP238712 |
| Leontodon\_hispidus | + | AY395545 | NA | NA |
| Lepidozia\_reptans | + | AM392313 | AM396195 | AY608083 |
| Leymus\_mollis | + | KF712997 | NA | NA |
| Ligularia\_virgaurea | + | JF942280 | NA | NA |
| Ligustrum\_vulgare | + | DQ673302 | NA | HQ385090 |
| Limodorum\_abortivum | + | JX051376 | NA | NA |
| Linnaea\_borealis | + | KM360854 | KP297623 | GQ983907 |
| Liparis\_kumokiri | + | KC704909 | NA | NA |
| Liparis\_liliifolia | + | AF074183 | NA | NA |
| Liparis\_loeselii | + | KM360856 | NA | NA |
| Listera\_cordata | + | JN965648 | NA | NA |
| Listera\_ovata | + | JX051379 | NA | NA |
| Litsea\_cubeba | + | AY337734 | NA | NA |
| Littorella\_uniflora | + | HM850128 | NA | NA |
| Lobatiriccardia\_lobata | + | AY507421 | AY507507 | AY507462 |
| Lobelia\_dortmanna | + | DQ356162 | NA | NA |
| Lolium\_multiflorum | + | NC\_019651 | NC\_019651 | NC\_019651 |
| Lolium\_perenne | + | NC\_009950 | NC\_009950 | NC\_009950 |
| Lophozia\_ventricosa | + | AY699994 | KF851831 | JF513477 |
| Lophozonia\_cunninghamii | + | AY605490 | NA | NA |
| Lophozonia\_menziesii | + | AY605494 | NA | NA |
| Lotus\_brunneri | + | KM372996 | NA | NA |
| Lotus\_corniculatus | + | KM360864 | NA | NA |
| Lotus\_jacobaeus | + | KM373014 | NA | NA |
| Lotus\_japonicus | + | NC\_002694 | NC\_002694 | NC\_002694 |
| Luehea\_seemannii | + | GQ981791 | NA | NA |
| Lupinus\_latifolius | + | Z70059 | NA | NA |
| Luronium\_natans | + | U80680 | NA | NA |
| Lycium\_barbarum | + | KP088673 | NA | NA |
| Lycopodiella\_inundata | + | AB574631 | NA | NA |
| Lycopodiella\_lateralis | + | AJ133262 | NA | NA |
| Lycopodium\_annotinum | + | AJ133247 | NA | AM777801 |
| Lycopodium\_clavatum | + | Y07936 | NA | DQ463115 |
| Lycopodium\_fastigiatum | + | AJ133252 | NA | AM777805 |
| Lycopodium\_volubile | + | AJ133253 | NA | AM777808 |
| Lygodium\_japonicum | - | NC\_022136 | NC\_022136 | NC\_022136 |
| Maianthemum\_bifolium | + | EU850093 | NA | NA |
| Maianthemum\_racemosum | + | AY149376 | NA | NA |
| Malus\_hupehensis | + | JQ391361 | NA | NA |
| Malus\_micromalus | + | GU363816 | NA | NA |
| Malus\_sieboldii | + | JQ391372 | NA | NA |
| Mangifera\_indica | + | GQ436547 | NA | NA |
| Mankyua\_chejuensis | - | NC\_017006 | NC\_017006 | NC\_017006 |
| Mannia\_androgyna | + | AM920276 | DQ265756 | DQ220686 |
| Mannia\_fragrans | + | DQ286013 | DQ265757 | DQ220687 |
| Marchantia\_paleacea | + | DQ286015 | DQ265759 | DQ220689 |
| Marsilea\_crenata | + | NC\_022137 | NC\_022137 | NC\_022137 |
| Medicago\_murex | + | KC700638 | NA | NA |
| Medicago\_polymorpha | + | KJ773677 | NA | NA |
| Medicago\_truncatula | + | JX512022 | JX512022 | JX512022 |
| Megaceros\_flagellaris | + | GQ845371 | AY877400 | KP238713 |
| Megaceros\_leptohymenius | + | HM056150 | NA | KP238714 |
| Megaceros\_pellucidus | + | GQ504733 | NA | NA |
| Megathyrsus\_maximus | + | AM849390 | NA | NA |
| Melilotus\_albus | + | DQ006095 | NA | NA |
| Melinis\_repens | + | EF125136 | NA | Z29259 |
| Mercurialis\_perennis | + | KM360880 | NA | NA |
| Metzgeria\_conjugata | + | AY507411 | AY507495 | AY507453 |
| Metzgeria\_decipiens | + | AB535634 | NA | AM398259 |
| Metzgeria\_furcata | + | AB535635 | AM396271 | DQ463119 |
| Metzgeria\_pubescens | + | AB535632 | AM396272 | DQ268982 |
| Metzgeria\_temperata | + | AB535636 | NA | AB535657 |
| Miscanthus\_sinensis | + | EF125118 | NA | NA |
| Monoclea\_gottschei | + | DQ286016 | DQ265760 | AY507455 |
| Monosolenium\_tenerum | + | DQ286017 | NA | DQ220691 |
| Montinia\_caryophyllacea | + | L11194 | NA | HQ385127 |
| Moringa\_drouhardii | + | AF405249 | NA | NA |
| Moringa\_hildebrandtii | + | JX091930 | NA | NA |
| Moringa\_oleifera | + | JX091931 | NA | NA |
| Musa\_acuminata | + | HF677508 | HF677508 | HF677508 |
| Myriopteris\_lindheimeri | - | NC\_014592 | NC\_014592 | NC\_014592 |
| Nardia\_compressa | + | DQ026586 | NA | NA |
| Nardia\_geoscyphus | + | KF943554 | KF942493 | KF943501 |
| Nardia\_scalaris | + | KF943606 | AY607971 | JF513481 |
| Neohodgsonia\_mirabilis | + | DQ286018 | AY507499 | DQ220692 |
| Neoorthocaulis\_floerkei | + | KC297118 | KC184803 | KF851449 |
| Neottia\_nidus-avis | + | AY368364 | NA | NA |
| Nephrolepis\_hirsutula | + | AB575229 | NA | AY459163 |
| Nervilia\_nipponica | + | KF296711 | NA | NA |
| Neuwiedia\_veratrifolia | + | AF074200 | NA | NA |
| Noccaea\_caerulescens | + | JN891339 | NA | NA |
| Nothoceros\_aenigmaticus | - | NC\_020259 | NC\_020259 | NC\_020259 |
| Nothoceros\_giganteus | + | AY463046 | NA | KP238719 |
| Nothoceros\_vincentianus | + | AY463045 | NA | KP238724 |
| Notothylas\_javanica | + | DQ845664 | NA | KP238729 |
| Notothylas\_orbicularis | + | AY463055 | NA | DQ463117 |
| Nyholmiella\_obtusifolia | + | NC\_026979 | NC\_026979 | NC\_026979 |
| Nymphaea\_alba | + | NC\_006050 | NC\_006050 | NC\_006050 |
| Odontoschisma\_denudatum | + | DQ645977 | AY607975 | KJ620750 |
| Olea\_europaea | + | NC\_013707 | NC\_013707 | NC\_013707 |
| Oloptum\_miliaceum | + | FN870403 | NA | NA |
| Ononis\_repens | + | KF602196 | NA | NA |
| Ophioglossum\_californicum | - | NC\_020147 | NC\_020147 | NC\_020147 |
| Ophioglossum\_costatum | + | AB626643 | NA | NA |
| Ophioglossum\_vulgatum | + | AB574681 | JQ684697 | NA |
| Ophrys\_fuciflora | + | GQ248658 | NA | NA |
| Ophrys\_insectifera | + | HE858481 | NA | NA |
| Orchis\_anthropophora | + | KF997307 | NA | NA |
| Orchis\_mascula | + | KM360905 | NA | NA |
| Orchis\_militaris | + | KF997273 | NA | NA |
| Orchis\_purpurea | + | KF997502 | NA | NA |
| Orchis\_simia | + | KF997259 | NA | NA |
| Origanum\_vulgare | + | JX880022 | JX880022 | JX880022 |
| Orixa\_japonica | + | HE588085 | NA | NA |
| Orthilia\_secunda | + | AF419838 | NA | NA |
| Orthocaulis\_attenuatus | + | GU373417 | NA | AM398282 |
| Oryza\_sativa | + | NC\_001320 | NC\_001320 | NC\_001320 |
| Osmunda\_regalis | + | EF588705 | NA | EF588768 |
| Osmundastrum\_cinnamomeum | - | NC\_024157 | NC\_024157 | NC\_024157 |
| Ostrya\_carpinifolia | + | KF418956 | NA | NA |
| Oxalis\_acetosella | + | FJ670181 | NA | NA |
| Oxalis\_stricta | + | KC481639 | NA | NA |
| Oxymitra\_incrassata | + | EU519195 | NA | EU519197 |
| Pachyschistochila\_splachnophylla | + | KF184409 | NA | KF184437 |
| Palhinhaea\_cernua | + | KJ773661 | NA | NA |
| Pallavicinia\_xiphoides | + | AY734692 | AY734709 | AY734700 |
| Panax\_ginseng | + | NC\_006290 | NC\_006290 | NC\_006290 |
| Panax\_japonicus | + | GQ436711 | NA | NA |
| Panicum\_virgatum | + | NC\_015990 | NC\_015990 | NC\_015990 |
| Paphiopedilum\_armeniacum | + | NC\_026779 | NC\_026779 | NC\_026779 |
| Paphiopedilum\_dianthum | + | JQ182210 | NA | NA |
| Paraphymatoceros\_coriaceus | + | AY463042 | NA | NA |
| Paris\_incompleta | + | JF942774 | NA | NA |
| Paris\_quadrifolia | + | KM360917 | NA | NA |
| Paspalum\_distichum | + | FN870399 | NA | NA |
| Pellia\_endiviifolia | + | NC\_019628 | NC\_019628 | NC\_019628 |
| Perilla\_frutescens | + | FJ513160 | NA | NA |
| Phaeoceros\_carolinianus | + | DQ646009 | NA | GQ428118 |
| Phaeoceros\_dendroceroides | + | KF482291 | NA | KP238737 |
| Phaeoceros\_laevis | + | DQ845673 | NA | KP238743 |
| Phaeoceros\_pearsonii | + | AY860203 | NA | KP238734 |
| Phaeomegaceros\_coriaceus | + | JX872450 | NA | KP238750 |
| Phaeomegaceros\_hirticalyx | + | KC958508 | NA | KP238751 |
| Phaius\_tancarvilleae | + | KF852752 | NA | NA |
| Phalaris\_arundinacea | + | AJ784827 | NA | NA |
| Phaseolus\_vulgaris | + | NC\_009259 | NC\_009259 | NC\_009259 |
| Phellodendron\_amurense | + | FN599455 | NA | NA |
| Phlegmariurus\_phlegmaria | + | AB574635 | NA | NA |
| Phoenix\_dactylifera | + | NC\_013991 | NC\_013991 | NC\_013991 |
| Phragmites\_australis | + | NC\_022958 | NC\_022958 | NC\_022958 |
| Phyllanthus\_calycinus | + | AY663603 | NA | EU002353 |
| Phyllothallia\_nivicola | + | AY507418 | AY507504 | AY507459 |
| Physcomitrella\_patens | + | NC\_005087 | NC\_005087 | NC\_005087 |
| Phytolacca\_americana | + | FJ860398 | NA | HQ843413 |
| Picea\_abies | + | NC\_021456 | NC\_021456 | NC\_021456 |
| Picea\_crassifolia | + | EF440576 | NA | NA |
| Picea\_glauca | + | JX508439 | NA | NA |
| Picea\_jezoensis | + | JQ512567 | NA | NA |
| Picea\_mariana | + | JX508447 | NA | NA |
| Picea\_rubens | + | EF440600 | NA | NA |
| Picea\_sitchensis | + | NC\_011152 | NC\_011152 | NC\_011152 |
| Picea\_smithiana | + | AF145458 | NA | AY188226 |
| Pilea\_pumila | + | AF206811 | NA | NA |
| Pilosella\_officinarum | + | KF602082 | NA | NA |
| Pinus\_albicaulis | + | FJ899566 | FJ899566 | FJ899566 |
| Pinus\_banksiana | + | FJ899571 | FJ899571 | FJ899571 |
| Pinus\_canariensis | + | FJ899572 | FJ899572 | FJ899572 |
| Pinus\_caribaea | + | JN854222 | JN854222 | JN854222 |
| Pinus\_cembra | + | FJ899574 | NA | FJ899574 |
| Pinus\_contorta | + | NC\_011153 | NC\_011153 | NC\_011153 |
| Pinus\_densiflora | + | JN854210 | JN854210 | JN854210 |
| Pinus\_edulis | + | JN854203 | JN854203 | JN854203 |
| Pinus\_elliottii | + | JN854202 | JN854202 | JN854202 |
| Pinus\_halepensis | + | JN854197 | JN854197 | JN854197 |
| Pinus\_jeffreyi | + | JN854193 | JN854193 | JN854193 |
| Pinus\_kesiya | + | JN854191 | JN854191 | JN854191 |
| Pinus\_koraiensis | + | NC\_004677 | NC\_004677 | NC\_004677 |
| Pinus\_lambertiana | + | NC\_011156 | NC\_011156 | NC\_011156 |
| Pinus\_longaeva | + | AF456383 | NA | NA |
| Pinus\_massoniana | + | NC\_021439 | NC\_021439 | NC\_021439 |
| Pinus\_montezumae | + | JN854183 | JN854183 | JN854183 |
| Pinus\_mugo | + | JN854181 | JN854181 | JN854181 |
| Pinus\_muricata | + | JN854180 | JN854180 | JN854180 |
| Pinus\_nigra | + | JN854179 | JN854179 | JN854179 |
| Pinus\_parviflora | + | FJ899581 | FJ899581 | FJ899581 |
| Pinus\_patula | + | JN854175 | JN854175 | JN854175 |
| Pinus\_pinaster | + | FJ899583 | FJ899583 | FJ899583 |
| Pinus\_pinea | + | JN854173 | JN854173 | JN854173 |
| Pinus\_ponderosa | + | FJ899555 | FJ899555 | FJ899555 |
| Pinus\_pumila | + | JN854168 | JN854168 | JN854168 |
| Pinus\_radiata | + | JN854165 | JN854165 | JN854165 |
| Pinus\_roxburghii | + | JN854162 | JN854162 | JN854162 |
| Pinus\_sabiniana | + | JN854161 | JN854161 | JN854161 |
| Pinus\_strobus | + | NC\_026302 | NC\_026302 | NC\_026302 |
| Pinus\_sylvestris | + | JN854158 | JN854158 | JN854158 |
| Pinus\_tabuliformis | + | AY555714 | NA | NA |
| Pinus\_taeda | + | NC\_021440 | NC\_021440 | NA |
| Pinus\_thunbergii | + | NC\_001631 | NC\_001631 | NC\_001631 |
| Pinus\_virginiana | + | JN854155 | JN854155 | JN854155 |
| Pinus\_wallichiana | + | JN854154 | JN854154 | JN854154 |
| Piper\_nigrum | + | AY298847 | NA | DQ972915 |
| Pisonia\_aculeata | + | KJ594427 | NA | NA |
| Pisonia\_albida | + | JX844264 | NA | NA |
| Pisonia\_grandis | + | JX844258 | NA | NA |
| Pisonia\_sandwicensis | + | JX844266 | NA | NA |
| Pisonia\_sechellarum | + | JX844267 | NA | NA |
| Pisonia\_taina | + | JX844260 | NA | NA |
| Pisum\_sativum | + | NC\_014057 | NC\_014057 | NC\_014057 |
| Plagiogyria\_glauca | - | KP136831 | KP136831 | KP136831 |
| Plantago\_afra | + | AJ389602 | NA | NA |
| Plantago\_asiatica | + | GQ436317 | NA | NA |
| Plantago\_lanceolata | + | HM850265 | NA | NA |
| Plantago\_major | + | HM850266 | NA | NA |
| Platanthera\_azorica | + | HM850267 | NA | NA |
| Platanthera\_chlorantha | + | JN891411 | NA | NA |
| Platanthera\_micrantha | + | HM850268 | NA | NA |
| Pleurozia\_gigantea | + | KF852349 | AM396268 | KF851436 |
| Pleurozia\_purpurea | + | AY877391 | AY877401 | AY608100 |
| Poa\_pratensis | + | JX848506 | NA | NA |
| Podocarpus\_oleifolius | + | HM593664 | NA | NA |
| Podococcus\_barteri | + | NC\_027276 | NC\_027276 | NC\_027276 |
| Podomitrium\_phyllanthus | + | AY507419 | AY507505 | AY507460 |
| Polygala\_amara | + | Z70175 | NA | NA |
| Polygala\_calcarea | + | AM234194 | NA | NA |
| Polygala\_comosa | + | AM234211 | NA | NA |
| Polygala\_myrtifolia | + | AJ829699 | NA | NA |
| Polygala\_rupestris | + | AM234220 | NA | NA |
| Polygala\_serpyllifolia | + | EU644685 | NA | NA |
| Polygala\_vulgaris | + | AM234193 | NA | NA |
| Polygonum\_cuspidatum | + | AB019030 | NA | NA |
| Polypodium\_glycyrrhiza | - | KP136832 | KP136832 | KP136832 |
| Polystichum\_acrostichoides | + | AF537235 | NA | NA |
| Populus\_alba | + | NC\_008235 | NC\_008235 | NC\_008235 |
| Populus\_balsamifera | + | NC\_024735 | NC\_024735 | NC\_024735 |
| Populus\_davidiana | + | KC485208 | NA | NA |
| Populus\_deltoides | + | AJ418829 | X78204 | NA |
| Populus\_euphratica | + | NC\_024747 | NC\_024747 | NC\_024747 |
| Populus\_nigra | + | AJ418828 | NA | NA |
| Populus\_simonii | + | KF940819 | NA | NA |
| Populus\_tremula | + | NC\_027425 | NC\_027425 | NC\_027425 |
| Populus\_trichocarpa | + | NC\_009143 | NC\_009143 | NC\_009143 |
| Potentilla\_erecta | + | HM850285 | NA | NA |
| Preissia\_quadrata | + | AY312935 | AY312916 | AY608102 |
| Prumnopitys\_ferruginea | + | AF249656 | NA | NA |
| Prumnopitys\_montana | + | KF714220 | NA | NA |
| Prumnopitys\_taxifolia | + | HM593621 | NA | AY188259 |
| Prunella\_vulgaris | + | AY395556 | NA | NA |
| Prunus\_africana | + | AM235108 | NA | NA |
| Prunus\_persica | + | NC\_014697 | NC\_014697 | NC\_014697 |
| Pseudorchis\_albida | + | KF997412 | NA | NA |
| Pseudotsuga\_menziesii | + | JN854170 | JN854170 | JN854170 |
| Psilotum\_nudum | + | NC\_003386 | NC\_003386 | NC\_003386 |
| Pteridium\_aquilinum | - | NC\_014348 | NC\_014348 | NC\_014348 |
| Pterostylis\_nutans | + | AF074224 | NA | NA |
| Pterygodium\_catholicum | + | AY368346 | NA | NA |
| Ptisana\_purpurascens | + | EU439089 | NA | EU439132 |
| Puccinellia\_distans | + | HE577877 | NA | NA |
| Puccinellia\_maritima | + | JN892490 | NA | NA |
| Pulmonaria\_obscura | + | EU599876 | NA | NA |
| Purdiaea\_nutans | + | AY082698 | NA | NA |
| Pyrola\_minor | + | KM360950 | NA | NA |
| Pyrola\_rotundifolia | + | JN892808 | NA | NA |
| Pyrorchis\_nigricans | + | AF074187 | NA | NA |
| Pyrus\_pyrifolia | + | NC\_015996 | NC\_015996 | NC\_015996 |
| Quercus\_agrifolia | + | KF683137 | NA | NA |
| Quercus\_alba | + | KF418899 | NA | NA |
| Quercus\_cerris | + | FN675722 | NA | NA |
| Quercus\_douglasii | + | KF683145 | NA | NA |
| Quercus\_fabri | + | KP088808 | NA | NA |
| Quercus\_ilex | + | FN675717 | NA | NA |
| Quercus\_incana | + | KJ773803 | NA | NA |
| Quercus\_petraea | + | KF683156 | NA | NA |
| Quercus\_phellos | + | KJ773810 | NA | NA |
| Quercus\_pubescens | + | FN675720 | NA | NA |
| Quercus\_robur | + | KP088814 | NA | NA |
| Quercus\_rubra | + | NC\_020152 | NC\_020152 | NC\_020152 |
| Quercus\_salicina | + | AB060570 | NA | NA |
| Quercus\_suber | + | FN675726 | NA | NA |
| Quercus\_variabilis | + | AB060574 | NA | NA |
| Quercus\_wislizeni | + | KF683168 | NA | NA |
| Ranunculus\_montanus | + | KF602172 | NA | NA |
| Ranunculus\_repens | + | HM850298 | NA | NA |
| Retama\_sphaerocarpa | + | Z70119 | NA | NA |
| Rhizophora\_apiculata | + | AF127685 | NA | NA |
| Rhododendron\_decorum | + | HQ706897 | NA | NA |
| Rhododendron\_ferrugineum | + | KF602219 | NA | NA |
| Rhododendron\_fortunei | + | HQ706905 | NA | NA |
| Rhododendron\_groenlandicum | + | AF419831 | NA | NA |
| Rhododendron\_racemosum | + | JF944013 | NA | NA |
| Rhododendron\_tomentosum | + | AF421101 | NA | NA |
| Rhomboda\_cristata | + | HM141068 | NA | NA |
| Riccardia\_latifrons | + | KC305702 | NA | NA |
| Riccardia\_multifida | + | DQ268980 | NA | DQ268992 |
| Riccardia\_palmata | + | KC305704 | NA | DQ986149 |
| Riccia\_huebeneriana | + | AY507422 | AY507508 | AY507463 |
| Riella\_helicophylla | + | DQ268981 | NA | NA |
| Robinia\_pseudoacacia | + | NC\_026684 | NC\_026684 | NC\_026684 |
| Rosa\_multiflora | + | KP088837 | NA | NA |
| Rosmarinus\_officinalis | + | NC\_027259 | NC\_027259 | NC\_027259 |
| Rubus\_parvifolius | + | GU363802 | NA | NA |
| Rubus\_saxatilis | + | JN891152 | NA | NA |
| Ruta\_chalepensis | + | HM850326 | NA | NA |
| Saccobasis\_polita | + | KF852308 | KF851862 | KF851413 |
| Saccogyna\_viticulosa | + | KF852385 | AM396175 | KP671947 |
| Salicornia\_europaea | + | NC\_027225 | NC\_027225 | NC\_027225 |
| Salix\_alba | + | AB012780 | NA | NA |
| Salix\_arctica | + | KM002834 | NA | NA |
| Salix\_herbacea | + | KF602181 | NA | NA |
| Salix\_polaris | + | FJ788569 | NA | NA |
| Salix\_reinii | + | AB012792 | NA | NA |
| Salix\_reticulata | + | AJ235793 | NA | NA |
| Salix\_tetrasperma | + | AB012798 | NA | NA |
| Salvadora\_persica | + | X69755 | NA | NA |
| Sanionia\_uncinata | + | NC\_025668 | NC\_025668 | NC\_025668 |
| Santiria\_trimera | + | GU246043 | NA | NA |
| Saussurea\_involucrata | + | GQ436481 | NA | NA |
| Sauteria\_alpina | + | DQ286025 | DQ265768 | HQ225532 |
| Saxifraga\_oppositifolia | + | JN965986 | NA | NA |
| Scapania\_calcicola | + | KC184746 | KC184814 | NA |
| Scapania\_cuspiduligera | + | KC184748 | KC184816 | NA |
| Scapania\_irrigua | + | KC305708 | NA | NA |
| Scapania\_umbrosa | + | KC184757 | KC184825 | NA |
| Schistochilopsis\_incisa | + | AM392308 | AM396188 | AM398234 |
| Schizocodon\_soldanelloides | + | AF421105 | NA | NA |
| Selaginella\_kraussiana | + | AJ010845 | NA | NA |
| Selaginella\_moellendorffii | - | NC\_013086 | NC\_013086 | NC\_013086 |
| Selaginella\_selaginoides | + | AF419048 | NA | NA |
| Selaginella\_uncinata | - | AB197035 | AB197035 | AB197035 |
| Senegalia\_senegal | + | JF265258 | NA | NA |
| Sequoiadendron\_giganteum | + | AY056580 | NA | AY188267 |
| Serapias\_cordigera | + | HM850348 | NA | NA |
| Sesleria\_caerulea | + | EF125156 | NA | X84142 |
| Setaria\_pumila | + | KF163544 | NA | NA |
| Shorea\_guiso | + | AB925523 | NA | NA |
| Shorea\_obtusa | + | AB925320 | NA | NA |
| Solanum\_tuberosum | + | NC\_008096 | NC\_008096 | NC\_008096 |
| Solidago\_canadensis | + | KM360988 | NA | NA |
| Solidago\_gigantea | + | HM850369 | NA | NA |
| Solidago\_missouriensis | + | JX848425 | NA | NA |
| Solidago\_rugosa | + | EU677029 | NA | NA |
| Solidago\_virgaurea | + | KF602089 | NA | NA |
| Sonchus\_tenerrimus | + | HM850374 | NA | NA |
| Sonneratia\_alba | + | KF848248 | NA | NA |
| Sorbus\_aucuparia | + | HQ590284 | NA | NA |
| Sorghum\_bicolor | + | NC\_008602 | NC\_008602 | NC\_008602 |
| Southbya\_nigrella | + | KF852355 | KF851914 | KF851446 |
| Sphaerocarpos\_texanus | + | AY507425 | AY507511 | NA |
| Sphagnum\_palustre | + | AF231887 | AY312920 | JX241483 |
| Spiranthes\_sinensis | + | KC704924 | NA | NA |
| Subularia\_aquatica | + | KM361000 | NA | NA |
| Swietenia\_macrophylla | + | U39080 | NA | EU002368 |
| Symphyogyna\_hymenophyllum | + | AY507426 | AY507512 | AY507467 |
| Syntrichia\_ruralis | + | NC\_012052 | NC\_012052 | NC\_012052 |
| Tacca\_plantaginea | + | JQ733814 | NA | NA |
| Tainia\_latifolia | + | KF852754 | NA | NA |
| Takakia\_lepidozioides | + | AB299142 | AY312921 | AB299142 |
| Tanacetum\_vulgare | + | KM361004 | NA | NA |
| Taraxacum\_officinale | + | AY395562 | NA | NA |
| Taxus\_baccata | + | AF456388 | NA | X84145 |
| Tectona\_grandis | + | NC\_020098 | NC\_020098 | NC\_020098 |
| Tetragastris\_panamensis | + | JQ626012 | NA | NA |
| Tetraphis\_pellucida | + | NC\_024291 | NC\_024291 | NC\_024291 |
| Thalictrum\_minus | + | EU053923 | NA | KC289069 |
| Thismia\_rodwayi | + | AY939892 | NA | NA |
| Thlaspi\_arvense | + | KM361012 | NA | NA |
| Thymus\_praecox | + | KM361013 | NA | NA |
| Thymus\_pulegioides | + | KJ746270 | NA | NA |
| Tilia\_americana | + | HQ590302 | NA | NA |
| Tilia\_cordata | + | KP088884 | NA | NA |
| Tipularia\_discolor | + | AF074234 | NA | NA |
| Tmesipteris\_elongata | + | KJ569699 | KJ569699 | KJ569699 |
| Tmesipteris\_tannensis | + | EF469945 | NA | NA |
| Torilis\_arvensis | + | AM234827 | NA | NA |
| Torilis\_japonica | + | KM361016 | NA | NA |
| Toxicoscordion\_venenosum | + | KM242960 | NA | NA |
| Trachycarpus\_fortunei | + | AJ404752 | NA | NA |
| Trachystemon\_orientalis | + | KF158122 | NA | NA |
| Tragopogon\_pratensis | + | AY395563 | NA | NA |
| Treubia\_lacunosa | + | AY507428 | NA | AY507468 |
| Treubia\_lacunosoides | - | AY507429 | AY507515 | AY507469 |
| Tricoryne\_elatior | + | JX903207 | NA | NA |
| Trientalis\_europaea | + | U96655 | NA | NA |
| Trifolium\_pratense | + | AY395564 | KJ788290 | KJ788290 |
| Trifolium\_repens | + | KM361020 | NA | NA |
| Trifolium\_subterraneum | + | NC\_011828 | NC\_011828 | NC\_011828 |
| Trillium\_grandiflorum | + | D28164 | NA | NA |
| Triplophyllum\_vogelii | + | KF887210 | NA | NA |
| Triraphis\_mollis | + | JN681713 | NA | NA |
| Trisetum\_flavescens | + | AJ746276 | NA | NA |
| Trisyngyne\_balansae | + | L13344 | NA | NA |
| Trisyngyne\_codonandra | + | L13347 | NA | NA |
| Triticum\_aestivum | + | NC\_002762 | NC\_002762 | NC\_002762 |
| Tritomaria\_exsectiformis | + | KC184766 | KC184833 | NA |
| Tritomaria\_quinquedentata | + | AY700003 | KF851855 | KF851406 |
| Trizeuxis\_falcata | + | FJ534151 | NA | NA |
| Tsuga\_canadensis | + | JQ512625 | NA | AY188220 |
| Tsuga\_mertensiana | + | AF145463 | NA | AY188215 |
| Typha\_angustifolia | + | GQ436381 | NA | X84147 |
| Typha\_latifolia | + | NC\_013823 | NC\_013823 | NC\_013823 |
| Ulmus\_americana | + | AF500337 | NA | NA |
| Vaccinium\_myrtillus | + | KM361028 | NA | NA |
| Vaccinium\_oxycoccos | + | JN891672 | NA | NA |
| Vaccinium\_poasanum | + | JQ594910 | NA | AY331865 |
| Vaccinium\_uliginosum | + | AF421107 | NA | NA |
| Vaccinium\_vitis\_idaea | + | JN966057 | NA | NA |
| Vachellia\_erioloba | + | JX572192 | NA | NA |
| Veratrum\_oxysepalum | + | JN417478 | NA | NA |
| Verbena\_officinalis | + | Z37473 | NA | NA |
| Verdoornia\_succulenta | + | AY507430 | AY507516 | AY507470 |
| Veronica\_chamaedrys | + | KJ746275 | NA | NA |
| Vicia\_faba | + | KF042344 | KF042344 | KF042344 |
| Vicia\_hirsuta | + | HM850459 | NA | NA |
| Vicia\_sativa | + | NC\_027155 | NC\_027155 | NC\_027155 |
| Vicia\_tetrasperma | + | HM850463 | NA | NA |
| Vigna\_unguiculata | + | NC\_018051 | NC\_018051 | NC\_018051 |
| Vincetoxicum\_rossicum | + | KF539854 | KF539854 | KF539854 |
| Vitis\_vinifera | + | NC\_007957 | NC\_007957 | NC\_007957 |
| Wiesnerella\_denudata | + | DQ286027 | NA | DQ220701 |
| Woollsia\_pungens | + | U80425 | NA | NA |
| Wullschlaegelia\_aphylla | + | AY368436 | NA | NA |
| Zamia\_pumila | - | AY056557 | NA | AY188209 |
| Zea\_mays | + | NC\_001666 | NC\_001666 | NC\_001666 |
| Zeuxine\_agyokuana | + | HM141071 | NA | NA |
| Zeuxine\_strateumatica | + | KJ773994 | NA | NA |
| Zingiber\_officinale | + | KM213122 | KM213122 | KM213122 |
| Zoysia\_japonica | + | AM849385 | NA | NA |