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# Checklist of the Families and Genera of Vascular Plants of California

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# A CHECKLIST OF THE FAMILIES AND GENERA OF CALIFORNIA VASCULAR PLANTS

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22 May 2019

My purpose is to provide an inventory of the families and genera of extant lycophytes (fern allies), ferns, gymnosperms, and flowering plants that are native or naturalized. I have also included plants whose historical occurrence is well documented, but that have not been collected in many years (typically 50 years) and are now best considered extinct or extirpated. Plants known only in cultivation as crops and ornamentals are excluded. The number of genera, species, and minimum ranked taxa is shown in parentheses at the end of each family. This checklist contains 212 families and 1447 genera. I estimate that they contain 7185 species and 8614 minimum ranked taxa. These numbers are noticeably higher than those reported in the second edition of *The Jepson Manual*, primarily because of my more inclusive criteria for inclusion.

This list is based on a number of sources, including:

- regional floras – Abrams (1923-1951), the *North American Flora*, and the *Flora of North America North of Mexico*;
- statewide floras – Brewer, Watson, & Gray (1880); Jepson (1909-1943 & 1923-1925); Munz (1959, 1968, 1974); Hickman (1993); and Baldwin et al. (2012);
- databases – the Consortium of California Herbaria, the Consortium of Pacific Northwest Herbaria; the U. S. D. A. Plants Database, Calflora, and the North American Plant Atlas of the Biota of North America Program;
- county and local floras;
- herbarium specimens, and
- recently published monographs, and reports, such as “Noteworthy Collections” in Madroño.

Family concepts follow more closely those adopted by Takhtajan, Heywood et al., Kubitzki, and many of the Angiosperm Phylogeny Group’s recommendations.

Significant departures in family concepts from the revised edition of *The Jepson Manual* include:

- retention of the traditional circumscription of Plantaginaceae;
- segregation of Ehretiaceae, Heliotropaceae, Hydrophyllaceae, and Namaceae from Boraginaceae;
- Orobanchaceae included in Scrophulariaceae;
- recognition of Buddlejaceae, Linderniaceae, and Myoporaceae
- retention of Lemnaceae;
- retention of Sterculiaceae;
- retention of Aceraceae;
- retention of Hippocastanaceae;
- recognition of Sambucaceae and Viburnaceae in place of Adoxaceae; and
- recognition of fewer segregates of Liliaceae, as per Christenhusz et al.

I ask that you bring errors and omissions to my attention at [jps2@humboldt.edu](mailto:jps2@humboldt.edu).

**LYCOPHYTES**

**Isoëtaceae**  
Isoëtes

**Lycopodiaceae**  
Lycopodium  
Lycopodiella

**Selaginellaceae**  
Selaginella

**FERNS**

**Aspleniaceae**  
Asplenium

**Athyriaceae**  
Athyrium

**Blechnaceae**  
Struthiopteris  
Woodwardia

**Cyathaeaceae**  
Sphaeropteris

**Cystopteridaceae**  
Cystopteris

**Dennstaedtiaceae**  
Pteridium

**Dryopteridaceae**  
Cyrtomium  
Dryopteris  
Polystichum

**Equisetaceae**  
Equisetum

**Marsileaceae**  
Marsilea  
Pilularia

**Nephrolepidaceae**  
Nephrolepis

**Ophioglossaceae**  
Botrychium  
Botrypus  
Ophioglossum  
Sceptridium

**Aponogetonaceae**  
Aponogeton

**Aquifoliaceae**  
Ilex

**Araceae**  
Arum  
Calla  
Dracunculus

**Parkeriaceae**  
Ceratopteris

**Polypodiaceae**  
Polypodium

**Psilotaceae**  
Psilotum

**Pteridaceae**  
Adiantum  
Argyrochosma

Aspidotis  
Astrolepis  
Cheilanthes

Cryptogramma  
Myriopteris  
Notholaena

Pellaea  
Pentagramma  
Pteris

**Salviniaceae**  
Azolla  
Salvinia

**Thelypteridaceae**  
Thelypteris

**Woodsiaceae**  
Woodsia

**GYMNOSPERMS**

**Cupressaceae**  
Calocedrus

Chamaecyparis  
Cypressus  
Juniperus

Sequoia  
Sequoiadendron  
Thuja

**Ephedraceae**  
Ephedra

**Pinaceae**  
Abies

Cedrus  
Picea  
Pinus

Pseudotsuga  
Tsuga

**Taxaceae**

Lysichiton  
Peltandra  
Pinellia

Pistia

Zantedeschia

**Araliaceae**

Aralia  
Hedera

**Taxaceae**  
Torreya

**FLOWERING PLANTS****Acanthaceae**

Acanthus  
Carlowrightia  
Justicia

**Aceraceae**  
Acer

**Acoraceae**  
Acorus †

**Aizoaceae**  
Aptenia

Carpobrotus  
Conicosia  
Cypselea

Delosperma  
Disphyma

Drosanthemum  
Galenia  
Lampranthus  
Malephora

Mesembryanthemum

Sesuvium  
Tetragonia  
Trianthema

**Alismataceae**

Alisma  
Damasonium  
Echinodorus  
Sagittaria

**Amaranthaceae**

Allenrolfea  
Alternanthera  
Amaranthus  
Aphanisma

Arthrocnemum  
Atriplex  
Bassia  
Beta

Ceratoides  
Chenopodium  
Corispermum

Cycloloma  
Dysphania  
Enchyalaena

**Aristolochiaceae**

Aristolochia  
Asarum

**Asparagaceae**

Agave  
Androstephium  
Asparagus  
Bloomeria  
Brodiae

Froelichia  
Grayia  
Guilleminea  
Halogenet  
Kochia  
Micromonolepis

Monolepis  
Nitrophila  
Salicornia  
Salsola  
Sarcocornia  
Spinacia  
Suaeda  
Tidestromia

**Amaryllidaceae**

Agapanthus  
Allium  
Amaryllis  
Leucojum  
Narcissus  
Pancratium  
Nothoscordum  
Tristagma

**Anacardiaceae**

Lithrea  
Malosma  
Pistacia  
Rhus  
Schinus  
Searsia

Toxicodendron

**Apocynaceae**

Amsonia  
Apocynum  
Araujia  
Asclepias  
Calotropis  
Catharanthus  
Cycladenia  
Cynanchum  
Funastrum  
Matelea  
Nerium  
Vallesia  
Vinca

**Apodanthaceae**

Pilosyles

Camassia  
Chorogalum  
Chlorophytum  
Cordyline  
Dichelostemma  
Dipterostemon  
Hastigia  
Hesperocallis  
Hyacinthoides  
Hyacinthus

Leucocrinum		Grusonia	Dianthus
Maianthemum	<b>Boraginaceae</b>	Lophocereus	Eremogone
Muilla	Amsinckia	Mammillaria	Gypsophila
Muscari	Anchusa	Opuntia	Herniaria
Nolina	Asperugo	Sclerocactus	Holosteum
Ornithogalum	Borago		Loeflingia
Triteleia	Buglossoides	<b>Callitrichaceae</b>	Minuartia
Yucc	Cryptantha	Callitrichie	Moenchia
<b>Asphodelaceae</b>	Cynoglossum	<b>Calycanthaceae</b>	Paronychia
Aloë	Echium	Calycanthus	Petrorhagia
Hemerocallis	Hackelia		Polycarpon
Kniphofia	Harpagonella	<b>Campanulaceae</b>	Pseudostellaria
	Lappula	Asyneuma	Sagina
<b>Avicenniaceae</b>	Lithospermum	Campanula	Saponaria
Avicennia	Mertensia	Downingia	Scleranthus
<b>Balsaminaceae</b>	Myosotis	Githopsis	Scopulophila
Impatiens	Pectocarya	Heterodon	Silene
<b>Basellaceae</b>	Pentaglottis	Howellia	Spergula
Anredera	Plagiobothrys	Legenera	Spergularia
<b>Bataceae</b>	Sympodium	Legousia	Stellaria
Batis		Lobelia	Vaccaria
<b>Berberidaceae</b>	<b>Bromeliaceae</b>	Nemacladus	Velezia
Achlys	Buddleja	Palmerella	<b>Casuarinaceae</b>
Alloberberis		Porterella	Casuarina
Berberis		Triodanis	
Mahonia		<b>Cannabaceae</b>	<b>Celastraceae</b>
Vancouveria		Cannabis	Euonymus
<b>Betulaceae</b>		Humulus	Maytenus
Alnus	<b>Cabombaceae</b>		Mortonia
Betula	Brasenia	<b>Caprifoliaceae</b>	Parnassia
Corylus	Cabomba	Abelia	Paxistima
<b>Bignoniaceae</b>	<b>Cactaceae</b>	Leycesteria	
Campsis	Bergerocactus	Linnaea	<b>Celtidaceae</b>
Catalpa	Carnegia	Lonicera	Celtis
Chiolopsis	Coryphantha	Symphoricarpos	
Jacaranda	Cylindropuntia	<b>Caryophyllaceae</b>	<b>Ceratophyllaceae</b>
Tecomaria	Echinocactus	Achyronychia	Ceratophyllum
<b>Cleomaceae</b>	Echinocereus	Agrostemma	Cistaceae
Carsonia	Echinomastus	Arenaria	Cistus
Cleomella	Ferocactus	Cardionema	Crocanthemum
Oxystylis	Adenophyllum	Cerastium	Halimium
Peritoma	Ageratina	Atrichoseris	Tuberaria
Polanisia	Ageratum	Baccharis	Centromadia
Tarenaya	Agoseris	Bahiopsis	Chaenactis
Wislizenia	Almutaster	Baileya	Chaetadelpha
<b>Commelinaceae</b>	Amberboa	Balsamorhiza	Chaetopappa
Commelina	Amblyopappus	Bebbia	Chamaemelum
Tradescantia	Ambrosia	Bellis	Chloracantha
<b>Compositae</b>	Amphipappus	Benitoa	Chondrilla
(Asteraceae)	Anaphalis	Bidens	Chorisiva
Acamptopappus	Ancistrocarphus	Blennosperma	Chrysanthemus
Achillea	Anisocarpus	Blepharipappus	Cichorium
Achyrachaena	Anisocoma	Blepharizonia	Cirsium
Acourtia	Antennaria	Brickellia	Constancea
Adenocaulon	Anthemis	Cacaliopsis	Conyzza
	Arctium	Calendula	Coreopsis
	Arctotheca	Calycadenia	Corethrogynne
	Arctotis	Calycoseris	Cosmos
	Argyranthemum	Carduus	Cota
	Arnica	Carlquistia	Cotula
	Artemisia	Carthamus	Crepis
		Centaurea	Crocidium
			Crupina

Cuniculotinus	Glyptopleura	Jaumea	Oncosiphon
Cyclachaena	Gnaphalium	Jensia	Onopordum
Cynara	Grindelia	Kyhlosia	Oreostemma
Deinandra	Guizotia	Lactuca	Orochaenactis
Delairea	Gutierrezia	Laënnecia	Osmadenia
Diaperia	Harmonia	Lagophylla	Osteospermum
Dicoria	Hazardia	Lapsana	Oxytenia
Dieteria	Hecastocleis	Lasiospermum	Packera
Dimeresia	Hedypnois	Lasthenia	Palafoxia
Dimorphotheca	Helenium	Layia	Pallenis
Dittrichia	Helianthella	Leontodon	Pectis
Dyssodia	Helianthus	Lepidospartum	Pentachaeta
Eastwoodia	Helichrysum	Lessingia	Pericallis
Eatonella	Helimeris	Leucanthemum	Pericome
Echinops	Helminthotheca	Logfia	Perityle
Eclipta	Hemizonella	Luina	Petasites
Encelia	Hemizonia	Machaeranthera	Petradoria
Enceliopsis	Hesperevax	Madia	Peucephyllum
Ericameria	Heteranthemis	Malacothrix	Phalacroseris
Erigeron	Heterotheca	Malperia	Picradeniopsis
Eriophyllum	Hieracium	Mantisalca	Plectostachys
Eucephalus	Holocarpha	Matricaria	Pleiacanthus
Euchiton	Holozonaria	Mauranthemum	Pleurocornonis
Eurybia	Hulsea	Melampodium	Pluchea
Euthamia	Hymenopappus	Micropus	Porophyllum
Filago	Hymenothrix	Microseris	Prenanthes
Flaveria	Hymenoxys	Monolopia	Psathyrotes
Gaillardia	Hypochaeris	Monoptilon	Pseudobahia
Galinsoga	Inula	Mulgedium	Pseudognaphalium
Gamochaeta	Ionactis	Munzothamnus	Psilocarphus
Gazania	Ismelia	Nesotus	Psilostrophe
Geraea	Isocoma	Nicolletia	Pulicaria
Glebionis	Iva	Nothocalaïs	Pyrrocoma
Rafinesquia	Thymophylla	<b>Crassulaceae</b>	Carrichtera
Raillardella	Tolpis	Aeonium	Caulanthus
Raillardiopsis	Tonestus	Cotyledon	Chorispora
Ratibida	Townsendia	Crassula	Cochlearia
Rhagadiolus	Tracyina	Dudleya	Coincyia
Rhodanthe	Tragopogon	Rhodiola	Conringia
Rigiopappus	Trichocoronis	Sedella	Cusickiella
Rudbeckia	Trichoptilium	Sedum	Descurainia
Santolina	Tripleurospermum	<b>Crossosomataceae</b>	Diplotaxis
Sanvitalia	Trixis	Crossosoma	Dithyraea
Saussurea	Uropappus	Glossopetalon	Draba
Scolymus	Urospermum	<b>Cruciferae</b>	Eruca
Scorzonera	Venegasia	(Brassicaceae)	Erucastrum
Senecio	Verbesina	Alyssum	Erysimum
Sericocarpus	Viguiera	Anelsonia	Euclidium
Silybum	Volutaria	Arabidopsis	Halimolobos
Solidago	Wyethia	Arabis	Hesperis
Soliva	Xanthisma	Armoracia	Hirschfeldia
Sonchus	Xanthium	Athyisanus	Hornungia
Sphaeromeria	Xylorhiza	Aubrieta	Iberis
X Stebbinsoseris		Aurinia	Idahoa
Stenotus	<b>Convolvulaceae</b>	Barbarea	Ionopsidium †
Stephanomeria	Calystegia	Berteroa	Isatis
Stylocline	Convolvulus	Boecheria	Lepidium
Symphyotrichum	Cressa	Brassica	Lobularia
Syntrichopappus	Cuscuta	Cakile	Lunaria
Tagetes	Dichondra	Camelina	Lyrocarpa
Tanacetum	Ipomoea	Capsella	Matthiola
Taraxacum		Cardamine	Nasturtium
Tetradymia			Noccaea
Tetraneurus			Phoenicaulis
Thelesperma	Cornus		Physaria

Planodes	Cucurbitaceae	Eriophorum	Droseraceae
Polyctenium	Brandegea	Fimbristylis	Drosera
Raphanus	Bryonia	Isolepis	
Rapistrum	Citrullus	Kobresia	Ebenaceae
Rorippa	Cucumis	Kyllinga	Diospyros
Sibara	Cucurbita	Lipocarpha	
Sibaropsis	Marah	Rhynchospora	Ehretiaceae
Sinapis		Schoenoplectus	Tiquilia
Sisymbrium	Cymodoceaceae	Schoenus	
Smelowskia	Halodule †	Scirpus	Elaeagnaceae
Stanleya		Trichophorum	Elaeagnus
Streptanthella			Shepherdia
Streptanthus	Cyperaceae	Datiscaceae	
Strigosella	Amphiscirpus	Datiscala	Elaeocarpaceae
Subularia	Bolboschoenus		Aristotelia
Teesdalia	Bulbostylis	Didiereaceae	
Thelypodium	Calliscirpus	Portulacaria	Elatinaceae
Thlaspi	Carex		Bergia
Thysanocarpus	Cladium	Dipsacaceae	Elatine
Transberingia	Cyperus	Dipsacus	
Tropidocarpum	Dulichium	Scabiosa	Ericaceae
	Eleocharis		Allotropa
Arbutus	Triadica	Aegilops	Distichlis
Arctostaphylos		X Agropogon	Echinochloa
Cassiope	Fagaceae	Agropyron	Ehrharta
Chimaphila	Castanea	Agrostis	Eleusine
Comarostaphylis	Chrysolepis	Aira	X Elyhordeum
Empetrum	Notholithocarpus	Alopecurus	Elymus
Erica	Quercus	Ammophila	Enneapogon
Gaultheria		Ampelodesmos	Eragrostis
Hemitomes	Fouquieriaeae	Amphibromus	Eremochloa
Kalmia	Fouquieria	Andropogon	Eriochloa
Leucothoë		Anthoxanthum	Erioneuron
Menziesia	Francoaceae	Apera	Eustachys
Moneses	Francoa	Aristida	Festuca
Monotropa	Melianthus	Arrhenatherum	Gastridium
Ornithostaphylos	Frankeniaceae	Arundo	Gaudinia
Orthilia	Frankenia	Avena	Glyceria
Phyllodoce		Axonopus	Hainardia
Pityopus	Garryaceae	Bambusa	Heteropogon
Pleuricospora	Garrya	Beckmannia	Hilaria
Pterospora		Blepharidachne	Holcus
Pyrola	Gentianaceae	Bothriochloa	Hordeum
Rhododendron	Centaureum	Bouteloua	Hyparrhenia
Sarcodes	Cicendia	Brachypodium	Imperata
Vaccinium	Eustoma	Briza	Kikuyochloa
Xylococcus	Frasera	Bromidium	Koeleria
	Gentiana	Bromus	Lagurus
Eriocaulaceae	Gentianella	Calamagrostis	Lamarckia
Eriocaulon †	Gentianopsis	Catapodium	Leersia
Escalloniaceae	Swertia	Cenchrus	Leptochloa
Escallonia	Zeltnera	Chloris	Lolium
Euphorbiaceae	Geraniaceae	Cinna	Lycurus
Acalypha	Erodium	Cortaderia	Melica
Argythamnia	Geranium	Crypsis	Melinis
Bernardia	Pelargonium	Cynodon	Misanthus
Croton		Cynosurus	Monanthochloë
Euphorbia	Goodeniaceae	Dactylis	Muhlenbergia
Mercurialis	Scaevola	Dactyloctenium	Munroa
Ricinus		Danthonia	Neostapfia
Stillingia	Gramineae	Dasyochloa	Orcuttia
Tetracoccus	(Poaceae)	Deschampsia	Oryza
Tragia	Acrachne	Digitaria	Panicum
		Dinebra	Parapholis
		Dissanthelium	Paspalum

Phalaris	Saccharum	Sphenopholis	Urochloa
Phleum	Schedonnardus †	Sporobolus	Ventenata
Phragmites	Schismus	Stenotaphrum	Zizania
Phyllostachys	Schizachyrium	Stipa	Zoysia
Pleuropogon	Sclerochloa	Swallenia	
Poa	Scleropogon	Torreyochoa	<b>Grossulariaceae</b>
Polypogon	Scribneria	Tribolium	Ribes
Pseudosasa	Secale	Tridens	
Puccinellia	Setaria	Trisetum	<b>Gunneraceae</b>
Rottboellia	Sorghum	Triticum	Gunnera
Rytidosperma	Spartina	Tuctoria	
<b>Gutiferae</b>		Mentha	
Hypericum	<b>Iridaceae</b>	Molucella	Laburnum
<b>Haloragaceae</b>	Chasmanthe	Monarda	Lathyrus
Haloragis	Crocosmia	Monardella	Leucaena
Myriophyllum	Diates	Nepeta	Lotus
<b>Hamamelidaceae</b>	Freesia	Origanum	Lupinus
Hamamelis	Gladiolus	Phlomis	Marina
Liquidambar	Iris	Pogogyne	Medicago
<b>Heliotropaceae</b>	Ixia	Poliomintha	Melilotus
Heliotropium	Libertia	Prunella	Onobrychis
<b>Hippocastanaceae</b>	Moraea	Pycnanthemum	Ononis
Aesculus	Olysinium	Salvia	Ornithopus
<b>Hippuridaceae</b>	Romulea	Scutellaria	Otholobium
Hippuris	Sisyrinchium	Stachys	Oxytropis
<b>Hydrangeaceae</b>	Sparaxis	Teucrium	Paraserianthes
Carpenteria	Watsonia	Trichostema	Parkinsonia
Fendlerella		Vitex	Pediomelum
Jamesia	<b>Juglandaceae</b>		Peteria
Philadelphus	Carya	<b>Lauraceae</b>	Phaseolus
Whipplea	Juglans	Cinnamomum	Pickeringia
<b>Hydrocharitaceae</b>	<b>Juncaceae</b>	Laurus	Pisum
Egeria	Juncus	Persea	Pithecellobium
Elodea	Luzula	Umbellularia	Prosopis
Hydrilla		<b>Leguminosae</b>	Psorothamnus
Limnobium	<b>Juncaginaceae</b>	(Fabaceae)	Retama
Najas	Triglochin	Acacia	Robinia
Ottelia		Aeschynomene	Rupertia
Vallisneria	<b>Koberliniaceae</b>	Albizia	Securigera
<b>Hydrocotylaceae</b>	Koeberlinia	Alhagi	Senna
Hydrocotyle		Amorpha	Sesbania
<b>Hydrophyllaceae</b>	<b>Krameriaceae</b>	Anthyllis	Sophora
Draperia	Krameria	Astragalus	Spartium
Emmenanthe		Bauhinia	Sphaerophysa
Eucrypta	<b>Labiatae</b>	Bituminaria	Thermopsis
Hesperochiron	(Lamiaceae)	Caesalpinia	Trifolium
Howellanthus	Acanthomintha	Calliandra	Trigonella
Hydrophyllum	Agastache	Caragana	Ulex
Nemophila	Calamintha	Ceratonia	Vachellia
Phacelia	Cedronella	Cercis	Vicia
Pholistoma	Clinopodium	Clitoria	Vigna
Romanzoffia	Condea	Colutea	<b>Lemnaceae</b>
Tricardia	Galeopsis	Coronilla	Lemna
Turricula	Glechoma	Cytisus	Spirodela
Wigandia	Hedeoma	Dalea	Wolffia
	Hyssopus	Dipogon	Wolffiella
	Lamiastrum	Dorycnium	
	Lamium	Erythrina	<b>Lennoaceae</b>
	Lavandula	Genista	Pholisma
	Leonotis	Gleditsia	
	Leonurus	Glycyrrhiza	
	Lepechinia	Halimodendron	
	Lycopus	Hoffmannseggia	
	Marrubium	Hoita	
	Melissa		<b>Lentibulariaceae</b>
			Pinguicula
			Utricularia

<b>Liliaceae</b>	Malvella Modiola Sida Sidalcea Sphaeralcea	Corymbia Eucalyptus Leptospermum Luma † Melaleuca Metrosideros Myrtus Psidium Syzygium	<b>Orchidaceae</b>
Calochortus Clintonia Erythronium Fritillaria Lilium Prosartes Scoliopus Streptopus Tulipa			Calypso Cephalanthera Corallorrhiza Cypripedium Epipactis Goodyera Malaxis Neottia Piperia
<b>Limnanthaceae</b>	Floerkea Limnanthes		Platanthera Spiranthes
<b>Linaceae</b>	Hesperolinon Linum Sclerolinon		<b>Oxalidaceae</b>
<b>Linderniaceae</b>	Lindernia		Oxalis
<b>Loasaceae</b>	Eucnide Mentzelia Petalonyx		<b>Paeoniaceae</b>
<b>Lythraceae</b>	Ammannia Lythrum Punica Rotala		Paeonia
<b>Magnoliaceae</b>	Magnolia		<b>Palmae</b> <b>(Arecaceae)</b>
<b>Malvaceae</b>	Abutilon Alcea Alyogyne Anisodontea Anoda Eremalche Gossypium Herissantia Hibiscus Horsfordia Iliamna Lagunaria Lavatera Malacothamnus Malva	Fatoua Ficus Maclura Morus	Phoenix Syagrus Washingtonia
<b>Pittosporaceae</b>	Billardiera Pittosporum	Moringa	<b>Papaveraceae</b>
<b>Plantaginaceae</b>	Plantago		Arctomecon Argemone Canbya Corydalis Dendromecon Dicentra Ehrendorferia Eschscholzia Fumaria Glaucium Hesperomecon Hunnemannia Meconella Papaver Platystemon Romneya
<b>Platanaceae</b>	Platanus		<b>Passifloraceae</b>
<b>Plumbaginaceae</b>			Passiflora
			<b>Pedaliaceae</b>
			Sesamum
			<b>Phytolaccaceae</b>
			Phytolacca
			Saltugilia
			<b>Polygalaceae</b>
			Polygala Rhinotropis
			<b>Polygonaceae</b>
			Acanthoscyphus Aristocapsa Centrostegia Chorizanthe

Dedeckera	Cercocarpus	Spiraea
Dodecahema	Chaenomeles	
Emex	Chamaebatia	
Eriogonum	Chamaebatiaria	
Fagopyrum	Coleogyne	<b>Rubiaceae</b>
Gilmania	Comarum	Cephalanthus
Goodmania	Cotoneaster	Coprosma
Hollisteria	Crataegus	Crucianella
Johanneshowellia	Cydonia	Diodia
Lastarriaea	Dasiphora	Galium
Mucronea	Drymocallis	Kelloggia
Muehlenbeckia	Duchesnea	Rubia
Nemacaulis	Eriobotrya	Sherardia
Oxyria	Fallugia	
Oxytheca	Filipendula	<b>Ruppiaceae</b>
Polygonum	Fragaria	Ruppia
Pterostegia	Geum	
Rumex	Heteromeles	<b>Rutaceae</b>
Systenotheca	Holodiscus	Cneoridium
	Horkelia	Ptelea
<b>Pontederiaceae</b>	Horkelliella	Ruta
Eichhornia	Ivesia	Thamnosma
Heteranthera	Leutkea	
Monochoria	Lyonothamnus	<b>Salicaceae</b>
Pontederia	Malus	Populus
	Neviusia	Salix
<b>Portulacaceae</b>	Oemleria	
Portulaca	Peraphyllum	<b>Sambucaceae</b>
	Petrosphytum	Sambucus
<b>Potamogetonaceae</b>	Photinia	
Potamogeton	Physocarpus	<b>Santalaceae</b>
Stuckenia	Potentilla	Comandra
Zannichellia	Prunus	
<b>Primulaceae</b>	Pseudocydonia	<b>Sapindaceae</b>
Anagallis	Purshia	Cardiospermum
Androsace	Pyracantha	Cupaniopsis
Dodecatheon	Pyrus	Dodonaea
Glaux	Rosa	Koelreuteria
Lysimachia	Rubus	
Primula	Sanguisorba	<b>Sarcobataceae</b>
Samolus	Sibbaldia	Sarcobatus
Trientalis	Sorbaria	
<b>Saururaceae</b>	Sorbus	<b>Sarraciaceae</b>
Anemopsis	Limosella	Darlingtonia
	Linaria	Sarracenia
<b>Saxifragaceae</b>	Maurandella	Ailanthus
Bensiella	Mimulus	Castela
Bolandra	Misopates	
Boykinia	Mohavea	<b>Simmondsiaceae</b>
Chrysosplenium	Nothochelone	Simmondsia
Darmera	Nuttallanthus	
Heuchera	Orobanche	<b>Smilacaceae</b>
Jepsonia	Orthocarpus	Smilax
Lithophragma	Parentucellia	
Mitella	Pedicularis	<b>Solanaceae</b>
Saxifraga	Penstemon	Brugmansia
Saxifragopsis	Pseudorontium	Calibrachoa
Suksdorffia	Stemodia	Capsicum
Tellima	Synthyris	Cestrum
Tiarella	Tonella	Chamaesaracha
Tolmiea	Triphysaria	Datura
<b>Scheuchzeriaceae</b>	Verbascum	Hyoscyamus
Scheuchzeria	Veronica	Leucophysalis
		Lycianthes
		Lycium
		Nicandra
		Nicotiana
	<b>Simaroubaceae</b>	

Nierembergia	<b>Typhaceae</b>	Oenanthe	<b>Verbenaceae</b>
Oryctes	Sparganium	Oreonana	Aloysia
Petunia	Typha	Orogenia	Duranta
Physalis		Osmorrhiza	Glandularia
Quinqua	<b>Ulmaceae</b>	Oxypolis	Lantana
Salpichroa	Ulmus	Pastinaca	Phyla
Solanum		Perideridia	Verbena
	<b>Umbelliferae</b>	Petroselinum	
<b>Staphyleaceae</b>	( <i>Apiaceae</i> )	Podistera	<b>Viburnaceae</b>
Staphylea	Ammi	Sanicula	Viburnum
	Anethum	Scandix	
<b>Sterculiaceae</b>	Angelica	Sium	<b>Violaceae</b>
Ayenia	Anthriscus	Spermolepis	Viola
Brachychiton	Apiastrum	Sphenosciadium	
Fremontodendron	Apium	Tauschia	<b>Viscaceae</b>
<b>Styracaceae</b>	Berula	Torilis	Arceuthobium
Styrax	Bowlesia	Vesper	Phoradendron
	Bupleurum	Yabea	Viscum
<b>Tamaricaceae</b>	Cicuta		
Tamarix	Conioselinum	<b>Urticaceae</b>	<b>Vitaceae</b>
<b>Tecophilaeaceae</b>	Conium	Boehmeria	Ampelopsis
Odontostomum	Coriandrum	Hesperocnide	Cissus
<b>Thymelaeaceae</b>	Cyclospermum	Parietaria	Parthenocissus
Dirca	Cymopterus	Soleirolia	Vitis
	Daucus	Urtica	
<b>Tofieldiaceae</b>	Eryngium		<b>Zingiberaceae</b>
Triantha	Foeniculum	<b>Valerianaceae</b>	Hedychium
	Glehnia	Centranthus	Zosteraceae
<b>Tropaeolaceae</b>	Heracleum	Plectritis	Nanozostera
Tropaeolum	Ligusticum	Valeriana	Phyllospadix
	Lilaeopsis	Valerianella	Zostera
<b>Zygophyllaceae</b>	Lomatium		
Fagonia			
Kallstroemia			
Larrea			
Tribulus			
Zygophyllum			

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