

Dioecy database, Feb. 2002. This is a subset of the data used in Renner, S. S., and R. E. Ricklefs. 1995. Dioecy and its correlates in the flowering plants. *Am. J. Bot.* 82(5): 596-606, except that family circumscriptions have been up-dated following the APG classification (see <http://www.mobot.org/MOBOT/Research/APweb/orders/>). For details about sources and coding see R. & R. 1995. References are also available from renner@umsl.edu. Yampolsky, C., and H. Yampolsky 1922. Distribution of sex forms in the phanerogamic flora. *Bibliotheca Genetica* 3: 1-62 is abbreviated as Y.

This includes 994 genera that together contain 15000 dioecious species, or 7.4% out of 13,479 accepted angiosperm genera (Brummitt et al., 1992) and 3.6% out of 421,200 known species (Govaerts, 2001).

Achatocarpa.	Phaulothamnus	Caryophyll.	1	1		animals	wind	Mexico to California
Achatocarpa.	Achatocarpus	Caryophyll.	5	5		animals	wind	neotrop.
Actinidia.	Actinidia	Ericales	30	8	dio. or polygamous	animals	insects	Indomal., E As.
Actinidia.	Saurauia	Ericales	300	10	herma., polygam. or polygamodio.	animals	insects	neotrop.
Aextoxica.	Aextoxicon	core eudicots	1	1		animals	insects	Chile
Alismata.	Burnatia	Alismatales	1	1		water		trop. Afr.
Alismata.	Sagittaria	Alismatales	20	1	usually mon., rarely dio. or polygamous	water	insects	cosmopol.
Amarantha.	Sarcobatus	Caryophyll.	1	1	dio. or mon.	wind	wind	USA
Amarantha.	Zuckia	Caryophyll.	1	1		wind	wind	USA (Arizona)
Amarantha.	Chamissoa	Caryophyll.	2	1		wind	wind?	warm. Am.
Amarantha.	Aerva	Caryophyll.	10	1	herma., polygamous or dio.	wind	wind	paleotrop.
Amarantha.	Deeringia	Caryophyll.	11	1		animals	wind	OW tropics
Amarantha.	Grayia	Caryophyll.	2	2	dio., occ. mon.	wind	wind	USA
Amarantha.	Roycea	Caryophyll.	2	2		wind	wind	Austr.
Amarantha.	Endolepis	Caryophyll.	3	2	monoecious	wind	wind	E Eurasia
Amarantha.	Spinacia	Caryophyll.	3	3	polygamodio.	wind	wind	SE As.
Amarantha.	Iresine	Caryophyll.	80	30	polygamous or dio.	wind	wind	pantrop.
Amarantha.	Amaranthus	Caryophyll.	60	45	dio. or polygamous;	wind	wind	cosmopolitan

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					funct. dio. f. FGVP			
Amarantha.	Atriplex	Caryophyll.	300	50	mon., dio., polygamous, or polygamodio .	wind	wind	cosmopol.
Amborella.	Amborella	unplaced	1	1		animals	insects	New Caled.
Anacardia.	Faguetia	Sapindales	1	1		animals	insects	Madagas.
Anacardia.	Haplorhus	Sapindales	1	1		animals	insects	neotrop.
Anacardia.	Harpephyllum	Sapindales	1	1		animals	insects	Cape
Anacardia.	Heeria	Sapindales	1	1	polygamodio .	animals	insects	trop. Afr.
Anacardia.	Laurophyllus	Sapindales	1	1	polygamodio .	wind	insects	S Afr.
Anacardia.	Loxostylis	Sapindales	1	1		animals	insects	S Afr.
Anacardia.	Mosquitoxylum	Sapindales	1	1	polygamous	animals	insects	Jamaica
Anacardia.	Rhodosphaera	Sapindales	1	1	polygamodio .	animals	insects	Austr.
Anacardia.	Smodingium	Sapindales	1	1	polygamodio .	animals	insects	S Afr.
Anacardia.	Blepharocarya	Sapindales	2	1		animals	insects	NE Austr
Anacardia.	Pleiogynium	Sapindales	2	1		animals	insects	SE As.
Anacardia.	Pseudospondias	Sapindales	2	1		animals	insects	trop. Afr.
Anacardia.	Pegia	Sapindales	3	1		animals	insects	SE As.
Anacardia.	Spondias	Sapindales	10	1	Y 37 polygamous	animals	insects	Indomal. to SE As.
Anacardia.	Haematostaphis	Sapindales	2	2		animals	insects	trop. Afr.
Anacardia.	Lithrea	Sapindales	3	3	polygamodio .	animals	insects	neotrop.
Anacardia.	Pseudosmodingium	Sapindales	7	3		animals	insects	Mexico
Anacardia.	Parishia	Sapindales	5	4		animals	insects	Indomal.
Anacardia.	Poupartia	Sapindales	12	4		animals	insects	panthrop.
Anacardia.	Loxopterygium	Sapindales	5	5	Y 37	animals	insects	neotrop.

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	m				polgamous			
Anacardia.	Pistacia	Sapindales	9	5		animals	wind	Medit., SE As., USA, C Am.
Anacardia.	Camnosperma	Sapindales	10	5	polygamodio .	animals	insects	neotrop., Madagas., SE As.
Anacardia.	Astronium	Sapindales	10	10	polygamodio .	animals	wind	trop. Am.
Anacardia.	Lanea	Sapindales	40	14	mon. or dio. f. Coates Palgrave 1983	animals	insects	trop. Afr., Indomal.
Anacardia.	Tapirira	Sapindales	15	15	polygamodio . f. Fl. Ec.	animals	insects	neotrop.
Anacardia.	Protorhus	Sapindales	21	15	herma. or polygamodio .	animals	insects	S Afr., Madagas.
Anacardia.	Schinus	Sapindales	27	20	polygamodio .	animals	insects	neotrop.
Anacardia.	Sorindeia	Sapindales	50	25		animals	insects	trop. Afr., Madagas.
Anacardia.	Trichoscypha	Sapindales	50	25	polygamodio .	animals	variable	trop. Afr.
Anacardia.	Ozoroa	Sapindales	40	40		animals	insects	trop. Afr.
Anacardia.	Semecarpus	Sapindales	60	50	dio. or polygamous	animals	insects	Indomal.
Anacardia.	Rhus	Sapindales	200	180	Y 37 polygamous Young 1972: gynodio.	animals	insects	temp. & warm, incl. S Afr.
Anacardia./ulianoid.	Orthopterygium	Sapindales	1	1		wind	wind	Peru
Anacardia./ulianoid.	Amphipterygium	Sapindales	4	1		wind	wind	Mexico & C. Am. driest forests
Annona.	Stelechocarpus	Magnoliales	5	5		animals	insects	SE As.
Annona.	Uvariopsis	Magnoliales	12	6	herma.?	animals	insects	trop. Afr.
Annona.	Pseuduvaria	Magnoliales	35	35		animals	insects	India to Austr.

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Apia.	Oenanthe	Apiales	1	1		wind	insects	E Afr.
Apia.	Mulinum	Apiales	20	1				Andes
Apia.	Ledebouria	Apiales	2	2		wind	insects	C As.
Apia.	Arctopus	Apiales	3	3		wind	insects	S Afr.
Apia.	Trinia	Apiales	11	11	rarely polygamodio.	wind	insects	Europe to C Asia
Apia.	Anisotome	Apiales	13	13				NZ, subantartic islands
Apia.	Aciphylla	Apiales	39	16	polygamodio.	wind	insects	NZ, Austr.
Aponogeton.	Aponogeton	Alismatales	44	1	A. spathaceous herma., mon. or dio.		insects	trop. OW, S Afr.
Aquifolia.	Ilex	Aquifoliales	400	300		animals	insects	cosmopol.
Aralia.	Dendropanax	Apiales	30	10		animals	insects	neotrop. & Mal.
Aralia.	Oreopanax	Apiales	80	10	polygamodio.	animals	insects	neotrop.
Aralia.	Polyscias	Apiales	24	14		animals	insects	New Caledonia
Aralia.	Aralia	Apiales	36	20		animals	insects	N Am., E As., Mal.
Aralia.	Meryta	Apiales	25	25		animals	insects	NZ, Austr., New Cal.
Areca.	Aphandra	Arecales	1	1		animals	insects	S Am.
Areca.	Calospatha	Arecales	1	1		animals	insects	SE As.
Areca.	Chamaerops	Arecales	1	1	dio. or polygamous	animals	insects	Medit.
Areca.	Juania	Arecales	1	1		animals	insects	neotrop. (Juan Fernandez)
Areca.	Lodoicea	Arecales	1	1		animals	wind?	Seychelles
Areca.	Medemia	Arecales	1	1		animals	insects	trop. Afr.
Areca.	Rhapidophyllum	Arecales	1	1	dio. or polygamous	animals	insects	USA
Areca.	Pseudophoenix	Arecales	4	1	sometimes monoecious Y 23	animals	insects	West Indies

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Areca.	Orbignya	Arecales	20	1	usually monoecious	animals	variable	neotrop.
Areca.	Mauritia	Arecales	2	2		animals	variable	neotrop.
Areca.	Dryophloeus	Arecales	15	2	monoecious	animals	insects	Moluccas
Areca.	Latania	Arecales	3	3		animals	insects	Mascarenes
Areca.	Wendlandiella	Arecales	3	3		animals	wind	neotrop.
Areca.	Trachycarpus	Arecales	4	4	dio. or polygamous	animals	insects	Himalaya
Areca.	Pholidocarpus	Arecales	5	5		animals	insects	Mal.
Areca.	Plectocomiopsis	Arecales	5	5		animals	insects	SE As.
Areca.	Ceratolobus	Arecales	6	6		animals	insects	SE As.
Areca.	Borassus	Arecales	7	7		animals	insects	OW trop.
Areca.	Hyphaene	Arecales	9	9		animals	insects	Afr., Madagas., India
Areca.	Lepidocaryum	Arecales	9	9		animals	insects	neotrop.
Areca.	Ravenea	Arecales	9	9		animals	insects	Madagas.
Areca.	Rhapis	Arecales	12	10	dio. or polygamous	animals	insects	SE As.
Areca.	Phytelephas	Arecales	12	12		animals	insects	neotrop.
Areca.	Ceroxylon	Arecales	15	15		animals	variable	neotrop.
Areca.	Salacca	Arecales	15	15	dio. or polygamous	animals	insects	Indomal.
Areca.	Plectocomia	Arecales	16	16		animals	insects	SE As.
Areca.	Phoenix	Arecales	17	17		animals	variable	trop. and warm Afr. & As.
Areca.	Korthalsia	Arecales	26	26	polygamodio.	animals	insects	Indomal.
Areca.	Chamaedorea	Arecales	110	110		animals	variable	neotrop.
Areca.	Daemonorops	Arecales	114	114		animals	insects	SE As.
Areca.	Calamus	Arecales	370	370	also polygamous?	animals	insects	OW trop.
Asparaga.	Asparagus	Asparagales	50	1		animals	insects	OW temp.
Astelia.	Collospermum	Asparagales	5	5			bats	NZ, Fiji
Astelia.	Astelia	Asparagales	25	25		animals	insects	New Guinea, Austr., NZ, Chile, Hawaii

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Astera.	Moquinia	Asterales	1	1		wind		neotrop.
Astera.	Petrobium	Asterales	1	1		wind		St. Helena
Astera.	Doniophyton	Asterales	2	1	herma. or polygamodio.	wind		Andes
Astera.	Parastrephia	Asterales	5	1		wind		Andes
Astera.	Heterothalamus	Asterales	8	1	polygamodio.	wind		neotrop.
Astera.	Monactis	Asterales	8	1		wind		neotrop.
Astera.	Cotula	Asterales	80	1	Y 58 herma., gynomon. etc. see Lloyd	wind		subcosmopol.
Astera.	Mikania	Asterales	400	1	herma.	wind	insects	pantrop.
Astera.	Vernonia	Asterales	1000	1	herma.	wind	insects	pantrop. & warm
Astera.	Podanthus	Asterales	2	2		wind	insects	Chile, Arg.
Astera.	Tarchonanthus	Asterales	4	2		wind	insects	Cape, Mexico
Astera.	Mniodes	Asterales	5	2		wind		Peru
Astera.	Chaetanthera	Asterales	41	2	gynomonoeious	wind		Peru, Chile (Andes)
Astera.	Cirsium	Asterales	200	2	herma.; gynodio. see Lloyd	wind	insects	temp.
Astera.	Myriopsis	Asterales	3	3		wind		China
Astera.	Robinsonia	Asterales	6	6	polygamodio.	wind		Juan Fernandez
Astera.	Gochnatia	Asterales	10	10		wind		trop. & warm Am., SE As mts.
Astera.	Epaltes	Asterales	15	10	dioecious or gynodioecious	wind		pantrop.
Astera.	Lycoseris	Asterales	66	10		wind		Trop. Am.
Astera.	Carduus	Asterales	91	10	herma., 1 sp. gynodio. in Europe	wind	insects	Euras.

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Astera.	Senecio	Asterales	1500	10	herma.	wind	insects	cosmopol.
Astera.	Pterocaulon	Asterales	18	11	dio. or gynodio.	wind		warm Am., SE As., Austr.
Astera.	Petasites	Asterales	15	14	dio. or polygamodio.	wind	insects	N temp.
Astera.	Antennaria	Asterales	45	15	herma.	wind	insects	temp. & warm
Astera.	Brachylaena	Asterales	23	23		wind	insects	trop. Afr.
Astera.	Pluchea	Asterales	40	30	dioecious or gynodioecious	wind		warm, some weedy
Astera.	Blumea	Asterales	75	30	dio. or gynodio.	wind		OW trop.
Astera.	Baccharis	Asterales	350	350		wind	wind	neotrop.
Balanopa.	Balanops	Malpighiales	9	9		animals	wind	N Queensland, New Caledonia
Balanophora.	Dactylanthus	unplaced euasterid	1	1	mon. Y 26	animals	bats	NZ
Balanophora.	Hachettea	unplaced euasterid	1	1		animals	insects	New Cal.
Balanophora.	Rhopalocnemis	unplaced euasterid	1	1	herma. or dioecious	animals	insects	Indomal.
Balanophora.	Thonningia	unplaced euasterid	1	1	dioecious or monoecious	animals	insects	trop. Afr.
Balanophora.	Langsdorffia	unplaced euasterid	3	1	dioecious or monoecious	animals	insects	Madagas. 1, New Guinea 1, neotrop. 1
Balanophora.	Sarcophyte	unplaced euasterid	2	2			insects	trop. Afr.
Balanophora.	Balanophora	unplaced euasterid	16	16		animals	insects	trop. OW
Barbeya.	Barbeya	Rosales	1	1		wind	wind	NE trop. Afr.
Bata.	Batis	Brassicales	2	2		animals	wind	trop. beaches
Begonia.	Begonia	Cucurbitales	900	50	mon. Y 28, much moden lit.	variable	insects	panthrop. & warm
Boragina.	Lepidocordia	euasterids,	1	1		animals	insects	neotrop.

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		unplaced						
Boragina.	Rochefortia	euasterids, unplaced	12	1		animals?	insects	neotrop.
Boragina.	Cordia	euasterids, unplaced	250	1	herma.	variable	insects	pantrop.
Brassica.	Apophyllum	Brassicales	1	1		animals		NE Austr.
Brassica.	Forchhammeria	Brassicales	10	2		animals	wind	C Am. & W. Indies
Bromelia.	Hechtia	commelinoids, unplaced	45	45		animals	insects	neotrop.
Bursera.	Crepidospermum	Sapindales	5	1		animals	insects	neotrop.
Bursera.	Tetragastris	Sapindales	8	8		animals	insects	neotrop.
Bursera.	Trattinnickia	Sapindales	11	11		animals	insects	neotrop.
Bursera.	Bursera	Sapindales	50	40	monoecious	animals	variable	neotrop.
Bursera.	Protium	Sapindales	85	40		animals	insects	neotrop., Madagas., SE Asia
Bursera.	Canarium	Sapindales	75	75		animals	insects	paleotrop.
Cacta.	Echinocereus	Caryophyll.	47	1	Herma.	animals	insects	SW N USA
Cacta.	Opuntia	Caryophyll.	300	3		animals	insects	neotrop.
Campanula.	Lobelia	Asterales	365	4	gynodio. f. Gemmill, pers. comm. 95	wind	insects	pantrop. (dio. in Austr.)
Carica.	Jarilla	Brassicales	1	1		animals	insects	Mexico
Carica.	Cylicomorpha	Brassicales	2	2		animals	insects	trop. Afr.
Carica.	Jacaratia	Brassicales	6	6		animals	insects	neotrop.
Carica.	Carica	Brassicales	22	10	dioecious or monoecious	animals	insects	neotrop.
Caryophylla.	Honkenya	Caryophyll.	1	1		water	variable ; insects	circumpolar
Caryophylla.	Philippiella	Caryophyll.	1	1		wind	insects	Patagonia
Caryophylla.	Paronychia	Caryophyll.	6	1		wind	insects	USA, Florida
Caryophylla.	Schiedea	Caryophyll.	18	3	gynodio.	wind	insects	Hawaii
Caryophylla.	Silene	Caryophyll.	600	10	herma., gynomon.,	wind	insects	N temp.

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					gynodio.			
Casuarina.	Ceuthostoma	Fagales	2	2		wind	wind	Malesia
Casuarina.	Gymnostoma	Fagales	18	9		wind	wind	Malesia, New Cal. etc.
Casuarina.	Casurina	Fagales	17	10	monoecious, Y 25	wind	wind	Malesia, Austr. (littoral)
Casuarina.	Allocasuarina	Fagales	59	30		wind	wind	Austr.
Celastra.	Empleuridium	eurosids, unplaced	1	1				S Afr.
Celastra.	Tetrasiphon	eurosids, unplaced	1	1				Jamaica
Celastra.	Schaefferia	eurosids, unplaced	16	2		animals	insects	neotrop., S USA
Celastra.	Otherodendron	eurosids, unplaced	8	7	dio. or rarely polygamodio.			Taiwan, Japan
Celastra.	Cassine	eurosids, unplaced	40	40		animals	insects	pantrop.
Celastra.	Maytenus	eurosids, unplaced	225	50	herm., mon. or dio.	animals	insects	pantrop. to warm
Celastra.	Microtropis	eurosids, unplaced	70	70	dio. or rarely polygamodio.			amphipacific
Celtidaceae	Cannabis	Rosales	1	1		wind	wind	Central Asia
Celtidaceae	Humulus	Rosales	2	2		wind	wind	N temp.
Cercidiphyllia.	Cercidiphyllum	Saxifragales	2	2		wind	wind	China & Japan
Chlorantha.	Ascarina	unplaced	12	10	dio., rarely mon. f. FGVP	animals	wind	Malaysia, NZ, Madags.
Chlorantha.	Hedyosmum	unplaced	45	41	dio. or mon.	animals	wind	neotrop., SE As.
Clusia.	Clusiella	Malpighiales	1	1		animals	insects	neotrop.
Clusia.	Havetia	Malpighiales	1	1		animals	insects	neotrop.
Clusia.	Allanblackia	Malpighiales	10	1		animals	insects	trop. Afr.

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Clusia.	Pilosperma	Malpighiales	2	2		animals	insects	neotrop.
Clusia.	Renggeria = Clusia f. Gentry	Malpighiales	3	2	rarely herma.	animals	insects	neotrop.
Clusia.	Haploclathra	Malpighiales	3	3		animals	insects	neotrop.
Clusia.	Havetiopsis	Malpighiales	5	5		animals	insects	neotrop.
Clusia.	Quapoya	Malpighiales	5	5		animals	insects	neotrop.
Clusia.	Kielmeyera	Malpighiales	20	5	herma. or dioecious	wind	insects	neotrop.
Clusia.	Oedematopus	Malpighiales	10	10		animals	insects	neotrop.
Clusia.	Marila	Malpighiales	20	10	herma. or dio.; herma. on BCI	wind	insects	neotrop.
Clusia.	Garcinia	Malpighiales	200	10	herma. or polygamodio .	animals	insects	trop. OW incl. Madagas.
Clusia.	Tovomita	Malpighiales	20	20	dioecious or polygamous; dio. on BCI	animals	insects	neotrop.
Clusia.	Tovomitopsis = Chrysochlamy s	Malpighiales	50	40	dioecious or polygamous; dio. on BCI	animals	insects	neotrop.
Clusia.	Clusia	Malpighiales	240	250	rarely polygamous, e.g., C. nemorosa Meyer f. Ariadne, pers. comm. 1995	animals	insects	neotrop.
Corna.	Cornus	Cornales	45	1		animals	insects	dio. in Afromontane forests
Corna.	Nyssa	Cornales	5	5	polygamodio .	animals	insects	USA, China, Indomal.
Crassula.	Sedum	Saxifragales	600	10		abiotic	insects	N temp., trop.

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								mts.
Crassula.	Rhodiola = Sedum f. Mab.	Saxifragales	36	30	dio. or polygamous			N temp.
Cucurbita.	Abobra	Cucurbitales	1	1		animals	insects	temp.
Cucurbita.	Biswarea	Cucurbitales	1	1		animals	insects	Himalaya
Cucurbita.	Cogniauxia	Cucurbitales	1	1		animals	insects	trop. Afr.
Cucurbita.	Ecballium	Cucurbitales	1	1	monoecious	animals	insects	Medit.
Cucurbita.	Edgaria	Cucurbitales	1	1		animals	insects	Himalaya
Cucurbita.	Helmontia	Cucurbitales	1	1		animals	insects	neotrop.
Cucurbita.	Herpetospermum	Cucurbitales	1	1		animals	insects	Himalaya
Cucurbita.	Hodgsonia	Cucurbitales	1	1		animals	insects	Indomal.
Cucurbita.	Trochomeriopsis	Cucurbitales	1	1		animals	insects	Madagas.
Cucurbita.	Zanonia	Cucurbitales	1	1		animals	insects	Indomal.
Cucurbita.	Acanthosicyos	Cucurbitales	2	1	monoecious	animals	insects	trop. Afr.
Cucurbita.	Wilbrandia	Cucurbitales	2	1	monoecious	animals	insects	neotrop.
Cucurbita.	Gerrardanthus	Cucurbitales	5	1	monoecious	animals	insects	trop. Afr.
Cucurbita.	Luffa	Cucurbitales	6	1	monoecious	animals	insects	pantrop.
Cucurbita.	Eureiandra	Cucurbitales	10	1	monoecious	animals	insects	trop. Afr.
Cucurbita.	Melothria	Cucurbitales	10	1	monoecious	animals	insects	New World
Cucurbita.	Trichosanthes	Cucurbitales	15	1	dio. or mon.	animals	insects	Indomal.
Cucurbita.	Cucumis	Cucurbitales	30	1	usually monoecious	animals	insects	OW trop.
Cucurbita.	Cayaponia	Cucurbitales	45	1	rarely dio., usually mon.	animals	insects	neotrop.
Cucurbita.	Momordica	Cucurbitales	45	1	dio. or mon.	animals	insects	OW trop.
Cucurbita.	Doyerea	Cucurbitales	2	2		animals	insects	neotrop.
Cucurbita.	Gynostemma	Cucurbitales	2	2		animals	insects	SE As.
Cucurbita.	Calycophysum	Cucurbitales	5	2	monoecious	animals	insects	neotrop.
Cucurbita.	Ampelosycios	Cucurbitales	3	3		animals	insects	Madagas.

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Cucurbita.	Gymnopetalum	Cucurbitales	3	3	monoecious Y 29	animals	insects	Indomal.
Cucurbita.	Ibervillea	Cucurbitales	3	3		animals	insects	USA
Cucurbita.	Siolmatra	Cucurbitales	3	3		animals	insects	neotrop.
Cucurbita.	Telfairia	Cucurbitales	3	3		animals	insects	pantrop.
Cucurbita.	Lagenaria	Cucurbitales	6	6	mon. Y 29	animals	insects	pantrop.
Cucurbita.	Sicydium	Cucurbitales	6	6		animals	insects	neotrop.
Cucurbita.	Fevillea	Cucurbitales	7	7		animals	insects	neotrop.
Cucurbita.	Trochomeria	Cucurbitales	7	7		animals	insects	Afr.
Cucurbita.	Apodanthera	Cucurbitales	14	7	dio. or mon.; sex- change f. AJB 76: 30- 39. 1989	animals	insects	neotrop.
Cucurbita.	Bryonia	Cucurbitales	10	8	monoecious	animals	insects	Euras.
Cucurbita.	Kedrostis	Cucurbitales	23	12	dio. or mon.	animals	insects	OW trop.
Cucurbita.	Coccinia	Cucurbitales	30	20	monoecious	animals	insects	trop. Afr.
Cucurbita.	Thladiantha	Cucurbitales	23	23		animals	insects	Afr., SE As.
Cucurbita.	Hemsleya	Cucurbitales	30	30		animals	insects	E As.
Cucurbita.	Zehneria	Cucurbitales	30	30		animals	insects	OW tropics
Cunonia.	Vessellowsky a	Oxalidales	1	1		wind	wind	New S Wales
Cunonia.	Caldcluvia	Oxalidales	11	1	polygamous or gynodio. f. Trees of NZ 1980	wind		Chile (1), NZ (1), trop. Austr. (2), Mal., New Guinea 6
Cunonia.	Brunellia	Oxalidales	52	10		wind	variable	neotrop.
Cunonia.	Pancheria	Oxalidales	26	11				New Cal.
Cymodocea.	Amphibolis	Alismatales	2	2		water	water	Austr. coasts
Cymodocea.	Syringodium	Alismatales	2	2		water	water	Indian & Pacific Oceans, Carib.
Cymodocea.	Thalassodendron	Alismatales	2	2		water	water	Red Sea, Indian Ocean, Austr.
Cymodocea.	Cymodocea	Alismatales	4	4		water	water	Afr. & Canary isl. coasts
Cymodocea.	Halodule	Alismatales	6	6		water	water	trop. seas
Cypera.	Didymiandrum	Poales	3	1	monoecious	wind	wind	neotrop.
Cypera.	Scirpus	Poales	200	1	monoecious	wind	wind	cosmopol.

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Cypera.	Carex	Poales	1000	21	dio. or mon.	wind	wind	cosmop.
Cypera.	Kobresia	Poales	35	35		wind	wind	N temp.
Daphniphyllum.	Daphniphyllum	Saxifragales	10	10		animals	wind	Indomal., Austr.
Datisca.	Datisca	Cucurbitales	2	1	androdioecious	wind	wind	USA, As.
Dichapetalum.	Dichapetalum	Malpighiales	124	20	often polygamous, rarely dio.	animals	insects	pantrop.
Didierea.	Alluaudiopsis	Caryophyll.	2	2		wind	insects	Madgas.
Didierea.	Didierea	Caryophyll.	2	2		wind	insects	Madagas.
Didierea.	Alluaudia	Caryophyll.	6	6		wind	insects	Madagas.
Didymela.	Didymeles	eudicots, unplaced	2	2		animals	wind	Madagas.
Dillenia.	Tetracera	core eudicots, unplaced	40	15	herma. in OW, androdio. in NW f. Kubitzki1970	animals	insects	pantrop.
Dioscorea.	Borderea	Dioscoreales	2	1	dio. or mon.	wind	insects (ants)	Pyrenees
Dioscorea.	Tamus	Dioscoreales	4	4		animals	insects	Medit.
Dioscorea.	Rajania	Dioscoreales	20	20		wind		West Indies
Dioscorea.	Dioscorea	Dioscoreales	600	200	dio. or mon.	wind	insects	pantrop. to warm
Ebena.	Euclea	Ericales	12	12	dio. or polygamous	animals	insects	trop. Afr.
Ebena.	Diospyros	Ericales	475	475	herma., polygamous or dio.	animals	insects	pantrop. incl. Madagas.
Elaeagna.	Hippophae	Rosales	3	3		animals	wind	Euras.
Elaeagna.	Shepherdia	Rosales	3	3		animals		N. Am.
Elaeocarpa.	Aristotelia	Oxalidales	5	1	Y 54: herma. or polygamous	animals	insects	E Australia, NZ, Peru to Chile
Elaeocarpa.	Elaeocarpus	Oxalidales	360	1	rarely			trop. & warm OW

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					polygamous			
Erica.	Ceratiola	Ericales	1	1		animals	wind	SE USA
Erica.	Epigaea	Ericales	3	1	herma.	animals	insects	USA, Caucasus, Japan
Erica.	Pernettya	Ericales	20	1		animals	insects	NZ, Tasmania, neotrop.
Erica.	Corema	Ericales	2	2		animals	wind	NE USA, Macaronesia, SW Eur.
Erica.	Empetrum	Ericales	2	2	rarely mon., hermaphr., or polygamous	animals	wind	N temp. & arctic
Erica.	Gaultheria	Ericales	150	4		animals	insects	SE As., Austr., NZ
Erica.	Cyathodes	Ericales	12	8	hermaphr. & gynodio.	animals	birds in 1, insects in 7	Australia
Eriocaula.	Eriocaulon	Poales	400	2	monoecious		wind	pantrop. and warm
Escallonia.	Carpodetus	euasterids II, unplaced	10	1				NZ
Escallonia.	Quintinia	euasterids II, unplaced	15	15		wind	insects	C Mal. to Austr., NZ
Eucommia.	Eucommia	Garryales	1	1			wind	China
Euphorbia.	Anomalocalyx	Malpighiales	1	1	monoecious, rarely dio.			Amaz. Brazil
Euphorbia.	Aparisthium	Malpighiales	1	1		wind		neotrop.
Euphorbia.	Bischofia	Malpighiales	1	1				SE Asia
Euphorbia.	Chlamydojatropha	Malpighiales	1	1				trop. W Afr. (Cameroon)
Euphorbia.	Chondrostylis	Malpighiales	1	1	also mon.? Y 27			SE As.
Euphorbia.	Chonocentrum	Malpighiales	1	1		wind		neotrop. (Amazon.)
Euphorbia.	Crotonogyne	Malpighiales	1	1	mon. or dio.			trop. Afr.
Euphorbia.	Discoglypsem	Malpighiales	1	1		animals	wind	trop. Afr.

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	na							
Euphorbia.	Dittha	Malpighiales	1	1				West Indies
Euphorbia.	Hamilcoa	Malpighiales	1	1			wind	trop. Afr.
Euphorbia.	Heywoodia	Malpighiales	1	1				trop. Afr.
Euphorbia.	Hyaenanche	Malpighiales	1	1		wind	insects	S Afr.
Euphorbia.	Klaineanthus	Malpighiales	1	1	also mon. Y 27	animals	insects	trop. Afr.
Euphorbia.	Lachnostylis	Malpighiales	1	1		wind	insects	Cape
Euphorbia.	Manniophyton	Malpighiales	1	1				trop. Afr.
Euphorbia.	Mischodon	Malpighiales	1	1				India, Sri Lanka
Euphorbia.	Neotrewia	Malpighiales	1	1				SE As.
Euphorbia.	Oreoporanthe ra	Malpighiales	1	1				New Zealand
Euphorbia.	Picrodendron	Malpighiales	1	1				West Indies
Euphorbia.	Plagiostyles	Malpighiales	1	1				trop. Afr.
Euphorbia.	Pseudolachno stylis	Malpighiales	1	1				trop. Afr.
Euphorbia.	Reverchon ia	Malpighiales	1	1	dio. or mon.	wind		USA
Euphorbia.	Spondianthus	Malpighiales	1	1				trop. Afr.
Euphorbia.	Tapoides	Malpighiales	1	1				SE As. (Borneo)
Euphorbia.	Trewia	Malpighiales	1	1				Himalaya to Hainan
Euphorbia.	Trigonopleur a	Malpighiales	1	1				W Mal.
Euphorbia.	Wetria	Malpighiales	1	1				SE Asia
Euphorbia.	Discocleidio n	Malpighiales	2	1				China
Euphorbia.	Maprounea	Malpighiales	4	1	monoecious	animals	insects	neotrop. (1 sp.) & Afr.
Euphorbia.	Ostodes	Malpighiales	4	1	dio. or mon.			Himalaya to SE As
Euphorbia.	Androstachys	Malpighiales	5	1	monoecious			SE trop. Afr., Madagas.
Euphorbia.	Beyeria	Malpighiales	15	1	monoecious, rarely dio.			Austr.
Euphorbia.	Micrandra	Malpighiales	17	1	monoecious			neotrop.
Euphorbia.	Omalanthus	Malpighiales	35	1	mostly			trop. As. to

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					monoecious			Austr.
Euphorbia.	Gymnanthes	Malpighiales	40	1	monoecious, rarely dio.	wind		Central Am., few in S. Am. and USA
Euphorbia.	Sapium	Malpighiales	100	1	monoecious, rarely dio.	animals	insects	panthrop. & warm
Euphorbia.	Tragia	Malpighiales	125	1	rarely dio.	wind		panthrop.
Euphorbia.	Cheilosa	Malpighiales	2	2		animals		Mal.
Euphorbia.	Cocconerion	Malpighiales	2	2				New Caledonia
Euphorbia.	Deuteromallo tus	Malpighiales	2	2				Madagas.
Euphorbia.	Homonoia	Malpighiales	2	2				SE As.
Euphorbia.	Leptonema	Malpighiales	2	2				Madagas.
Euphorbia.	Martretia	Malpighiales	2	2				trop. Afr.
Euphorbia.	Piranhea	Malpighiales	2	2		wind		neotrop. (Guayana)
Euphorbia.	Pogonophora	Malpighiales	2	2		wind		neotrop. & Afr.
Euphorbia.	Protomegabar ia	Malpighiales	2	2				trop. Afr.
Euphorbia.	Pseudagrosti stachys	Malpighiales	2	2				trop. Afr.
Euphorbia.	Richeria	Malpighiales	2	2		animals		neotrop.
Euphorbia.	Ricinodendro n	Malpighiales	2	2		wind		trop. Afr.
Euphorbia.	Riecheriella	Malpighiales	2	2		wind		southern China to Borneo
Euphorbia.	Sandwithia	Malpighiales	2	2				Guayana
Euphorbia.	Spathiostemo n	Malpighiales	2	2				SE As.
Euphorbia.	Adenophaedra	Malpighiales	3	2	monoecious?	wind		neotrop.
Euphorbia.	Mildbraedia	Malpighiales	4	2	monoecious			trop. Afr.
Euphorbia.	Fontainea	Malpighiales	6	2	mon. or dio.	animals		New Guinea, NE Austr.
Euphorbia.	Alchorneopsi s	Malpighiales	3	3		wind		trop. Am.
Euphorbia.	Benoistia	Malpighiales	3	3				Madagascar
Euphorbia.	Caryodendron	Malpighiales	3	3				neotrop.
Euphorbia.	Cavacoa	Malpighiales	3	3				trop. Afr.
Euphorbia.	Neoboutonia	Malpighiales	3	3	rarely mon.			trop. Afr.

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Euphorbia.	Sibangea	Malpighiales	3	3				trop. Afr.
Euphorbia.	Tannodia (incl. Holstia)	Malpighiales	3	3	mon. Y 28			trop. Afr., Comores
Euphorbia.	Adenocline	Malpighiales	8	3	dio. or mon.	wind	wind	S Afr.
Euphorbia.	Excoecaria	Malpighiales	30	3	monoecious	wind		OW trop.
Euphorbia.	Bridelia	Malpighiales	60	3	dio. or mon.			OW trop.
Euphorbia.	Givotia	Malpighiales	4	4				Afr., Madgas., India
Euphorbia.	Lautenbergia = Orfilea f. Webster	Malpighiales	4	4				Madagas.
Euphorbia.	Neoscortechi nia	Malpighiales	4	4				SE As.
Euphorbia.	Oldfieldia	Malpighiales	4	4				trop. Afr.
Euphorbia.	Tetracoccus	Malpighiales	4	4		wind	wind?	USA
Euphorbia.	Amperea	Malpighiales	8	4	dio. or mon.; rarely mon. f. Webster 1994			Austr.
Euphorbia.	Baliospermum	Malpighiales	12	4	dio. or mon.			India
Euphorbia.	Adelia	Malpighiales	5	5		wind	insects	mostly Central Am.
Euphorbia.	Adriana	Malpighiales	5	5				Austr.
Euphorbia.	Astrocasia	Malpighiales	5	5		wind		neotrop.
Euphorbia.	Discocarpus	Malpighiales	5	5		wind		neotrop. (Amazon, Guianas)
Euphorbia.	Lasiocroton	Malpighiales	5	5				West Indies
Euphorbia.	Securingea (excl. Flueggea)	Malpighiales	5	5		wind		Madagas.
Euphorbia.	Bocquillonia	Malpighiales	14	5	dio. or mon.			New Caledonia
Euphorbia.	Caperonia	Malpighiales	40	5	rarely dio.			neotrop., Afr., Madagas.

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Euphorbia.	Blumeodendron	Malpighiales	6	6				Mal.
Euphorbia.	Hymenocardia	Malpighiales	6	6		wind	wind	trop. Afr.
Euphorbia.	Pimeleodendron	Malpighiales	6	6				Mal.
Euphorbia.	Micrococca	Malpighiales	12	6	dio. or mon.			OW trop.
Euphorbia.	Conceveiba	Malpighiales	7	7		wind		neotrop. (1 sp. in Africa f. Gentry)
Euphorbia.	Grossera	Malpighiales	7	7				trop. Afr., Madagas.
Euphorbia.	Agrostistachys	Malpighiales	8	7	monoecious?			India to W Mal.
Euphorbia.	Mercurialis	Malpighiales	8	7	monoecious, gynomon., andromon., polygamous	abiotic (& ants)	wind	Medit. to temp. Euras.
Euphorbia.	Pausandra	Malpighiales	8	8		wind		neotrop.
Euphorbia.	Baloghia	Malpighiales	13	9	dio. or mon.			E Austr.
Euphorbia.	Endospermum	Malpighiales	10	10	occ. polygamodio.			SE As.
Euphorbia.	Leptopus	Malpighiales	10	10		wind	insects	paleotrop.
Euphorbia.	Dimorphocalyx	Malpighiales	15	10	dio. or mon.			Indomal. to Austr.
Euphorbia.	Savia	Malpighiales	25	10	monoecious or dio.	wind	insects	mostly Antillean & USA, Afr., Madagas.
Euphorbia.	Bernardia	Malpighiales	50	10	dio. or mon.	wind	wind	neotrop.
Euphorbia.	Chaetocarpus	Malpighiales	12	12		wind		pantrop. (but few in OW)
Euphorbia.	Ptychopyxis	Malpighiales	13	13				SE As.
Euphorbia.	Flueggea	Malpighiales	14	14		wind		pantrop.
Euphorbia.	Margaritaria	Malpighiales	14	14			insects	pantrop. (3 NW; 8 OW)
Euphorbia.	Codiaeum	Malpighiales	15	15	also mon.?			Mal.

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					Y 27			
Euphorbia.	Leucocroton	Malpighiales	20	15	dio. or mon.			West Indies
Euphorbia.	Austrobuxus	Malpighiales	17	17				Malesia to Fiji
Euphorbia.	Hyeronima	Malpighiales	20	20		animals	insects	neotrop.
Euphorbia.	Maesobotrya	Malpighiales	20	20		animals		trop. Afr.
Euphorbia.	Tetrorchidium	Malpighiales	20	20				trop. Am. & few spp. in Afr.
Euphorbia.	Thecacoris	Malpighiales	20	20		wind	wind	trop. Afr., Madagas.
Euphorbia.	Cleidion	Malpighiales	25	20	mon. or dio.	wind		pantrop. (7 NW; 18 OW)
Euphorbia.	Cleistanthus	Malpighiales	140	20	dio. or mon.			OW trop.
Euphorbia.	Pera	Malpighiales	30	30		animals		neotrop.
Euphorbia.	Aporusa	Malpighiales	75	30	monoecious			Indomal.
Euphorbia.	Suregada	Malpighiales	40	40		variable		trop. OW
Euphorbia.	Alchornea	Malpighiales	50	40	dio. or mon. f. Y; dio f. Coates Palgrave 1983; Fl. BCI	wind	wind	neotrop.
Euphorbia.	Baccaurea	Malpighiales	80	40	monoecious			Indomal., W Pacific
Euphorbia.	Erythrococca	Malpighiales	50	50		animals		trop. & S Afr.
Euphorbia.	Uapaca	Malpighiales	61	61		animals	insects	trop. Afr., Madagas.
Euphorbia.	Jatropha	Malpighiales	170	70	dio. or mon.	wind	insects	pantrop.
Euphorbia.	Clutia	Malpighiales	75	75		wind	insects	Afr., Arabia
Euphorbia.	Claoxylon	Malpighiales	80	80		animals		OW trop.
Euphorbia.	Phyllanthus	Malpighiales	750	100	dio. or mon.	animals	wind & insects in diff. spp. f. Higham, pers.	pantrop.

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							comm.	
Euphorbia.	Croton	Malpighiales	800	100	dio. or mon.	wind	variable	pantrop.
Euphorbia.	Euphorbia	Malpighiales	1000	100		wind	insects	cosmopol.
Euphorbia.	Antidesma	Malpighiales	150	150		animals		pantrop. & warm
Euphorbia.	Mallotus	Malpighiales	150	150		wind	wind	SE As., Austr., trop. Afr., Madagas.
Euphorbia.	Drypetes	Malpighiales	200	200	dio., mon., polygam. f. Esser, pers. comm.	animals	wind	pantrop.
Euphorbia.	Acalypha	Malpighiales	430	220	monoecious	wind	wind	pantrop. & warm
Euphorbia.	Macaranga	Malpighiales	300	300		wind	wind	OW trop.
Faba.	Ceratonia	Fabales	2	1	herma.	animals	insects	Arabia & Somalia
Faba.	Pentaclethra	Fabales	2	1	herma. or dioecious	animals	insects	neotrop. & Afr.
Faba.	Myroxylon	Fabales	2	2	dio. or rarely polygamous; herma. on BCI; not in Arroyo 1981	wind	insects	neotrop.
Faba.	Gymnocladus	Fabales	5	2	dio. or polygamous		insects	N Am & SE As.
Faba.	Bauhinia	Fabales	100	10	herma., rarely polygamous f. Y 54; andromonoecy f. Arroyo	wind	insects	pantrop.
Faba.	Ateleia	Fabales	16	16	herma.	wind	wind	trop. Am.
Family	Genus	Order (APG 1998)	Total Spp	Spp Dioecious	Other Sexual Systems	Dispersal Vector	Pollination Vector	Distribution
Flacourtiac.	Gynocardia	Malpighiales	1	1				Assam & Burma
Flacourtiac.	Hasseltiopsis	Malpighiales	1	1		animals	insects	neotrop.

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Flacourtiaceae	Idesia	Malpighiales	1	1	dio. or polygamous	animals	insects	China, Japan
Flacourtiaceae	Kiggelaria	Malpighiales	1	1		animals	insects	trop. Afr.
Flacourtiaceae	Olmediella	Malpighiales	1	1		animals	insects	neotrop.
Flacourtiaceae	Pangium	Malpighiales	1	1				Mal.
Flacourtiaceae	Poliothyrsis	Malpighiales	1	1	dioecious or monoecious			China
Flacourtiaceae	Priamosia	Malpighiales	1	1		animals	insects	neotrop. (Hispaniola)
Flacourtiaceae	Trichostephanus	Malpighiales	1	1	dio. or mon.			trop. Afr.
Flacourtiaceae	Lozania	Malpighiales	3	1	androdio.?	animals	wind?	neotrop.
Flacourtiaceae	Oncoba	Malpighiales	4	1	mon., dio. or polygamous	animals	insects	trop. Afr.
Flacourtiaceae	Bartholomaea	Malpighiales	2	2		wind	wind	neotrop.
Flacourtiaceae	Bennettiodendron	Malpighiales	2	2		animals	insects	Indomal.
Flacourtiaceae	Buchnerodendron	Malpighiales	2	2				trop. Afr.
Flacourtiaceae	Itoa	Malpighiales	2	2				SE As.
Flacourtiaceae	Neoptychocarpus	Malpighiales	2	2		animals	insects	neotrop.
Flacourtiaceae	Trichadenia	Malpighiales	2	2				E Malesia
Flacourtiaceae	Trimeria	Malpighiales	2	2		animals	insects	trop. Afr.
Flacourtiaceae	Sclerocarya	Malpighiales	4	2	dio. or mon.	animals	insects	trop. Afr.
Flacourtiaceae	Mayna	Malpighiales	6	6		animals	insects	neotrop.
Flacourtiaceae	Carpotroche	Malpighiales	11	11		animals	insects	neotrop.
Flacourtiaceae	Dovyalis	Malpighiales	15	15		animals	insects	warm Afr., Sri Lanka
Flacourtiaceae	Ryparosa	Malpighiales	18	18				Mal.
Flacourtiaceae	Hydnocarpus	Malpighiales	40	30	dio. or rarely polygamous			Indomal.
Flacourtiaceae	Xylosma	Malpighiales	85	85		animals	variable	pantrop.
Garryaceae	Aucuba	Garryales	3	3		animals	insects	Himal. to Japan
Garryaceae	Garrya	Garryales	13	13		animals	insects	USA to Panama,

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								trop.-mont.-temp.
Griselinia.	Griselinia	Apiales	7	7		animals	variable	NZ (2 spp.) Chile (5)
Grossularia.	Ribes	Saxifragales	150	61		animals	insects	temp., Andes
Gunnera.	Gunnera	core eudicots, unplaced	40	10	mon., dio., polygamous, polygamodio.	variable	wind	trop. Afr., Mal., Antarctic is., Hawaii Mt., S Am.
Gyrostemona.	Tersonia	Brassicales	1	1		animals	wind	SW Austr.
Gyrostemona.	Codonocarpus	Brassicales	2	1	dio. or mon.	animals	wind	Austr.
Gyrostemona.	Gyrostemon	Brassicales	6	6	dio or mon.	animals	wind	Austr.
Haloraga.	Myriophyllum	Saxifragales	40	1	herma., mon. or rarely dio.	water	wind	cosmopol.
Hanguana.	Hanguana	commelinoids, unplaced	1	1		animals	wind	SE As.
Helwingia.	Helwingia	Aquifoliales	5	5		animals	insects	E As.
Hernandia.	Hazomalania	Laurales	1	1	genus = Hernandia, also mon. Y 26	wind	insects	Madgas.
Hydrangaea.	Broussaisia	Cornales	1	1	gynodio.	animals	insects	Hawaii
Hydrocharita.	Appertiella	Alismatales	1	1		water	variable	trop. Afr.
Hydrocharita.	Enhalus	Alismatales	1	1		water	variable	SE As to Austr.
Hydrocharita.	Hydrilla	Alismatales	1	1	mon. or dio., Aq. Bot. 46(2): 169-183. 1993.	water	water	OW temp.
Hydrocharita.	Hydromystria	Alismatales	1	1	dioecious or monoecious	water	wind	neotrop.
Hydrocharita.	Maidenia	Alismatales	1	1		water	water	Austr.
Hydrocharita.	Nechamandra	Alismatales	1	1		water	water; wind	Aq. Bot. 13: 505, 1982

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Hydrocharitales	Stratiotes	Alismatales	1	1		water	wind	Euras.
Hydrocharitales	Najas	Alismatales	35	1	monoecious	water	water	cosmopol.
Hydrocharitales	Hydrocharis	Alismatales	2	2	monoecious?	water	water	OW temp.
Hydrocharitales	Thalassia	Alismatales	2	2		water	water	Carrib., Indian & Pacific Oceans
Hydrocharitales	Blyxa	Alismatales	12	2	dioecious or monoecious		wind	OW trop.
Hydrocharitales	Vallisneria	Alismatales	5	5		water	water	pantrop. to warm temp.
Hydrocharitales	Halophila	Alismatales	9	5	dio. or mon	water	water	trop. coasts
Hydrocharitales	Lagarosiphon	Alismatales	9	9		water	water	trop. Afr., Madagas.
Hydrocharitales	Elodea	Alismatales	12	12	Y 36: polygamus	water	water	temp. & trop. Am.
Hydrocharitales	Ottelia	Alismatales	30	30		water	wind	pantrop.
Hydrostachyales	Hydrostachys	Cornales	22	22		water	water?	trop. Afr.
Icacinales	Natsiatopsis	euasterids II, unplaced	1	1		animals	insects	Burma
Icacinales	Natsiatum	euasterids II, unplaced	1	1		animals	insects	SE As.
Icacinales	Polyporandra	euasterids II, unplaced	1	1		animals	insects	Mal.
Icacinales	Polycephalum	euasterids II, unplaced	2	1		animals	insects	trop. Afr.
Icacinales	Rhaphiostylis	euasterids II, unplaced	6	1		animals	insects	trop. Afr.
Icacinales	Stachyanthus	euasterids II, unplaced	6	1		animals	insects	trop. Afr.
Icacinales	Gonocaryum	euasterids II, unplaced	9	1	herma., monoecious, polygamodio	animals	insects	SE As.

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Icacina.	Grisollea	euasterids II, unplaced	2	2		animals	insects	Madagas.
Icacina.	Sarcostigma	euasterids II, unplaced	2	2		animals	insects	Indomal.
Icacina.	Pennantia	euasterids II, unplaced	3	3	Y 59: herma., polgamous, mon.	animals	insects	Austr., NZ
Icacina.	Chlamydocarya	euasterids II, unplaced	6	3		animals	insects	trop. Afr.
Icacina.	Miquelia	euasterids II, unplaced	8	5		animals	insects	Indomal.
Icacina.	Pyrenacantha	euasterids II, unplaced	20	6		animals	insects	OW trop.
Icacina.	Phytocrene	euasterids II, unplaced	11	11		animals	insects	SE As.
Junca.	Distichia	Poales	2	2		wind	wind	Andes
Junca.	Patosia	Poales	2	2		wind	wind	Andes
Junca.	Oxychloe	Poales	7	7		wind	wind	Andes
Juncagina.	Tetroncium	Alismatales	1	1		wind	wind	Straits of Magellan
Lamia.	Basilicum	Lamiales	7	1	not in Owens & Ubera-Jiménez 1992	wind	insects	OW trop. to E Austr.
Lamia.	Tetradenia	Lamiales	6	6	1 sp. possibly gynodio.	wind?	insects?	trop. Afr., Madagas.
Lamia.	Lepechinia	Lamiales	36	7	gynodio.	wind	insects	neotrop. (32), Calif. (4)
Lamia.	Nepeta	Lamiales	250	10	6 spp. gynodio., remainder monoclinous; all SC	wind & ballistic	insects	cosmopolitan
Lardizabala.	Boquila	Ranuncula.	1	1	mon. or rather dio.	animals	insects	Chile
Lardizabala.	Sargentodoxa	Ranuncula.	1	1		animals	insects	trop.-warm temp.

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								SE Asia
Lardizabala.	Lardizabala	Ranuncula.	2	2		animals	insects	Chile
Laura.	Dodecadenia	Laurales	1	1		animals	insects	Himal., Nepal, Burma
Laura.	Hypodaphnis	Laurales	1	1		animals	insects	trop. Afr.
Laura.	Cinnadenia	Laurales	2	2		animals	insects	Bhutan, Assam, Burma, Malay Pen.
Laura.	Iteadaphne	Laurales	2	2	dio. or polygamodio .	animals	insects	SE As.
Laura.	Laurus	Laurales	2	2	dio. or polygamodio . but all dio. f. FGVP	animals	insects	Medit.
Laura.	Parasassafras	Laurales	2	2		animals	insects	Buthan, Burma, Yunnan
Laura.	Sassafras	Laurales	3	3		animals	insects	neotrop. & E As.
Laura.	Ocotea	Laurales	350	3		animals	insects	Amazonia
Laura.	Rhodostemonodaphne	Laurales	20	20		animals	insects	neotrop.
Laura.	Endlicheria	Laurales	40	40		animals	insects	neotrop.
Laura.	Actinodaphne	Laurales	100	100		animals	insects	Indomal., E As.
Laura.	Lindera	Laurales	100	100	dio. or polygamodio .	animals	insects	trop. & temp. As., 2 spp. in N. Am.
Laura.	Neolitsea	Laurales	100	100		animals	insects	Malesia
Laura.	Litsea	Laurales	400	400		animals	insects	pantrop.
Laxmannia.	Lomandra	Asparagales	35	35			wind	New Guinea, Austr., New Cal.
Lepidobotrya .	Lepidobotrys	uncertain	1	1		wind	insects	trop. Afr.
Lepidobotrya .	Ruptilicarpus	uncertain	1	1		wind	insects	neotrop.
Lilia.	Wurmbea	Liliales	37	1	monoecy/paradioecy? ongoing Ph.D.			Afr., Austr.
Lilia.	Ruscus	Liliales	6	6		animals	insects	Eur., Medit. to

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								Iran
Logania.	Labordia	Gentianales	15	15		animals	insects	Hawaii
Loranth.	Ileostylus	Santalales	1	1		animals	insects	NZ
Loranth.	Tupeia	Santalales	1	1		animals	insects	NZ
Loranth.	Barathranthusa	Santalales	2	1		animals	insects	Ceylon, W Mal.
Loranth.	Oryctanthus	Santalales	10	1		animals	insects	neotrop.
Loranth.	Cladocolea	Santalales	23	10		animals	insects	Central Am.
Loranth.	Struthanthus	Santalales	50	50		animals	insects	neotrop.
Loranth.	Phthirusa	Santalales	60	50	rarely herma. or polygamous	animals	insects	neotrop.
Malpighia.	Microsteira	Malpighia.	25	1	polygamodio .		insects	Madagas.
Malpighia.	Spachea	Malpighia.	6	3		animals	insects	neotrop.
Malpighia.	Ryssopterys	Malpighia.	6	6	polygamodio .		insects	Mal. to Austr., New Cal.
Malva.	Napaea	Malvales	1	1		wind	insects	USA
Malva.	Byttneria	Malvales	131	1		wind	insects	pantrop.
Malva.	Hampea	Malvales	13	10		animals	insects	neotrop.
Malva.	Plagianthus	Malvales	15	14		wind	wind	NZ
Malva.	Heliocarpus	Malvales	22	22	dio. or polygamous	wind	insects	trop. Am.
Melanthia.	Chamaelirium	Liliales	1	1		wind	insects	E USA
Melia.	Chisocheton	Sapindales	51	1	polygamodio .	animals	insects	Indomal.
Melia.	Aphanamixis	Sapindales	4	4	rarely polygamodio .?	animals	insects	Indomal. to New Guinea
Melia.	Ruagea	Sapindales	5	5		animals	insects	neotrop.
Melia.	Guarea	Sapindales	35	35		animals	insects	neotrop.
Melia.	Trichilia	Sapindales	86	60	mon. on BCI	animals	insects	pantrop.
Memecyla.	Lijndenia	Myrtales	10	10		animals	insects	OW trop.
Menisperma.	Anamirta	Ranuncula.	1	1		animals	insects	Indomal.
Menisperma.	Aspidocarya	Ranuncula.	1	1		animals	insects	India to China
Menisperma.	Borismene	Ranuncula.	1	1		animals	insects	neotrop.
Menisperma.	Calycocarpum	Ranuncula.	1	1		animals	insects	N Am.
Menisperma.	Chlaenandra	Ranuncula.	1	1		animals	insects	New Guinea

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Menisperma.	Dialytheca	Ranuncula.	1	1		animals	insects	Africa
Menisperma.	Elephantomene	Ranuncula.	1	1		animals	insects	neotrop.
Menisperma.	Eleutharrhena	Ranuncula.	1	1		animals	insects	Assam to China
Menisperma.	Leptoterantha	Ranuncula.	1	1		animals	insects	Africa
Menisperma.	Macrococculus	Ranuncula.	1	1		animals	insects	New Guinea
Menisperma.	Orthogynium	Ranuncula.	1	1		animals	insects	Madagas.
Menisperma.	Platytynospora	Ranuncula.	1	1		animals	insects	trop. Afr.
Menisperma.	Pleogyne	Ranuncula.	1	1		animals	insects	Austr.
Menisperma.	Sarcolophium	Ranuncula.	1	1		animals	insects	trop. Afr.
Menisperma.	Sarcopetalum	Ranuncula.	1	1		animals	insects	Austr.
Menisperma.	Sinomenium	Ranuncula.	1	1		animals	insects	E As.
Menisperma.	Sphenocentrum	Ranuncula.	1	1		animals	insects	trop. Afr.
Menisperma.	Spirospermum	Ranuncula.	1	1		animals	insects	Madagas.
Menisperma.	Strychnopsis	Ranuncula.	1	1		animals	insects	Madagas.
Menisperma.	Synandropus	Ranuncula.	1	1		animals	insects	neotrop.
Menisperma.	Synclisia	Ranuncula.	1	1		animals	insects	trop. Afr.
Menisperma.	Syntriandrium	Ranuncula.	1	1		animals	insects	trop. Afr.
Menisperma.	Ungulipetalum	Ranuncula.	1	1		animals	insects	neotrop.
Menisperma.	Beirnaertia	Ranuncula.	2	2		animals	insects	trop. Afr.
Menisperma.	Chasmanthera	Ranuncula.	2	2		animals	insects	trop. Afr.
Menisperma.	Coscinium	Ranuncula.	2	2		animals	insects	SE As.
Menisperma.	Haematocarpus	Ranuncula.	2	2		animals	insects	Himal. to Sulawesi
Menisperma.	Jateorhiza	Ranuncula.	2	2		animals	insects	trop. Afr.
Menisperma.	Limaciopsis	Ranuncula.	2	2		animals	insects	trop. Afr.
Menisperma.	Rhigiocarya	Ranuncula.	2	2		animals	insects	trop. Afr.
Menisperma.	Diplocclisia	Ranuncula.	3	3		animals	insects	SE As.
Menisperma.	Limacia	Ranuncula.	3	3		animals	insects	SE As.
Menisperma.	Syrrheonema	Ranuncula.	3	3		animals	insects	trop. Afr.
Menisperma.	Arcangelisia	Ranuncula.	4	4		animals	insects	Malesia

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Menisperma.	Burasaia	Ranuncula.	4	4		animals	insects	Madagas.
Menisperma.	Carronia	Ranuncula.	4	4		animals	insects	New Guinea
Menisperma.	Curarea	Ranuncula.	4	4		animals	insects	neotrop.
Menisperma.	Kolobopetalum	Ranuncula.	4	4		animals	insects	trop. Afr.
Menisperma.	Orthomene	Ranuncula.	4	4		animals	insects	neotrop.
Menisperma.	Penianthus	Ranuncula.	4	4		animals	insects	trop. Afr.
Menisperma.	Pericampylus	Ranuncula.	4	4		animals	insects	Indomal.
Menisperma.	Anisocycla	Ranuncula.	5	5		animals	insects	trop. Afr., Madagas.
Menisperma.	Antizoma	Ranuncula.	5	5		animals	insects	warm S Afr.
Menisperma.	Caryomene	Ranuncula.	5	5		animals	insects	neotrop.
Menisperma.	Fibraurea	Ranuncula.	5	5		animals	insects	SE As.
Menisperma.	Legnephora	Ranuncula.	5	5		animals	insects	New Guinea, Austr.
Menisperma.	Dioscoreophyllum	Ranuncula.	6	6		animals	insects	trop. Afr.
Menisperma.	Menispermum	Ranuncula.	6	6		animals	insects	USA & As.
Menisperma.	Rhaptonema	Ranuncula.	7	7		animals	insects	Madagas.
Menisperma.	Anomospermum	Ranuncula.	8	8		animals	insects	neotrop.
Menisperma.	Chondrodendron	Ranuncula.	8	8		animals	insects	neotrop.
Menisperma.	Telitoxicum	Ranuncula.	8	8		animals	insects	neotrop.
Menisperma.	Tinomiscium	Ranuncula.	8	8		animals	insects	Indomal. to SE As.
Menisperma.	Hypserpa	Ranuncula.	11	11		animals	insects	SE As. to Austr.
Menisperma.	Pycnarrhena	Ranuncula.	11	11		animals	insects	Indomal. to Austr.
Menisperma.	Pachygone	Ranuncula.	12	12		animals	insects	Indomal. to Pacific
Menisperma.	Parabaena	Ranuncula.	12	12		animals	insects	Indomal.
Menisperma.	Cocculus	Ranuncula.	15	15		animals	insects	pantrop.
Menisperma.	Triclisia	Ranuncula.	16	16		animals	insects	trop. Afr. & Madagas.
Menisperma.	Albertisia	Ranuncula.	18	18	all dio. f. FGVP	animals	insects	trop. & warm. Afr.
Menisperma.	Sciadotenia	Ranuncula.	20	20		animals	insects	neotrop.
Menisperma.	Tiliacora	Ranuncula.	22	22	polygamodio	animals	insects	OW trop.

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Menisperma.	Cissampelos	Ranuncula.	23	23	.	animals	insects	pantrop.
Menisperma.	Hyperbaena	Ranuncula.	25	25		animals	insects	neotrop.
Menisperma.	Disciphania	Ranuncula.	26	26		animals	insects	neotrop.
Menisperma.	Cyclea	Ranuncula.	27	27		animals	insects	trop. As.
Menisperma.	Abuta	Ranuncula.	32	32		animals	insects	neotrop.
Menisperma.	Odontocarya	Ranuncula.	40	40		animals	insects	neotrop.
Menisperma.	Tinospora	Ranuncula.	43	43		animals	insects	trop. Afr.
Menisperma.	Stephania	Ranuncula.	70	70		animals	insects	trop. OW
Menyantha.	Nymphoides	Asterales	20	2	herma.	water	insects	cosmop.
Misodendra.	Misodendrum	Santalales	8	8			wind	S Am. s of 33 degree lat.
Mollugina.	Glischrotham nus	Caryophyll.	1	1		wind	insects	neotrop.
Monimia.	Austromattha ea	Laurales	1	1		animals	insects	NE Queensland
Monimia.	Hennecartia	Laurales	1	1	dioecious or monoecious	animals	insects	neotrop.
Monimia.	Kibaropsis	Laurales	1	1		animals	insects	New Cal.
Monimia.	Lauterbachia	Laurales	1	1	dioecious or monoecious	animals	insects	New Guinea
Monimia.	Macropeplus	Laurales	1	1		animals	insects	neotrop.
Monimia.	Macrotorus	Laurales	1	1		animals	insects	neotrop.
Monimia.	Peumus	Laurales	1	1		animals	insects	Chile
Monimia.	Xymalos	Laurales	1	1		animals	insects	trop. Afr.
Monimia.	Monimia	Laurales	3	3		animals	insects	Mauritius
Monimia.	Levieria	Laurales	7	7	dio. or mon.	animals	insects	E Mal., Austr.
Monimia.	Tambourissa	Laurales	44	10	monoecious	animals	insects	Madagas.
Monimia.	Hedycarya	Laurales	12	12		animals	wind	New Cal., NZ, Polynesia, Austr.
Monimia.	Palmeria	Laurales	14	14		animals	insects	New Guinea, Austr.
Monimia.	Mollinedia	Laurales	20	20		animals	insects	neotrop.
Montinia.	Kaliphora	Solanales	1	1		animals	wind	Madagas.
Montinia.	Montinia	Solanales	1	1		wind	insects	S Afr.

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Mora.	<i>Antiaropsis</i>	Rosales	1	1		animals	wind	New Guinea
Mora.	<i>Bagassa</i>	Rosales	1	1		animals	wind	NE S Am.
Mora.	<i>Olmedia</i>	Rosales	1	1	rarely mon.? Y 25	animals	insects	neotrop.
Mora.	<i>Sparattosyce</i>	Rosales	1	1		animals	wind	New Cal.
Mora.	<i>Castilla</i>	Rosales	3	1	mon. or dio.	animals	wind	neotrop.
Mora.	<i>Helianthostylis</i>	Rosales	2	2	androdio. f. FGVP	animals	wind	neotrop.
Mora.	<i>Milicia</i>	Rosales	2	2		animals	wind	trop. Afr.
Mora.	<i>Parartocarpus</i>	Rosales	3	2	mon. or dio.	animals	wind	Mal.
Mora.	<i>Clarisia</i>	Rosales	3	3		animals	wind	neotrop.
Mora.	<i>Treculia</i>	Rosales	3	3		animals	wind	trop. Afr., Madagas.
Mora.	<i>Helicostylis</i>	Rosales	7	3	mon. or dio.	animals	wind	neotrop.
Mora.	<i>Batocarpus</i>	Rosales	4	4		animals	wind	neotrop.
Mora.	<i>Maquira</i>	Rosales	5	4	mostly dio.	animals	wind	neotrop.
Mora.	<i>Perebea</i>	Rosales	9	4	mon. or dio.	animals	wind	neotrop.
Mora.	<i>Morus</i>	Rosales	10	5	dio. or mon.	animals	wind	subtrop.
Mora.	<i>Brosimum</i>	Rosales	13	6	dio. or mon.	animals	insects	neotrop.
Mora.	<i>Broussonetia</i>	Rosales	8	8		animals	wind	E As., Polynesia
Mora.	<i>Pseudolmedia</i>	Rosales	9	9	mon. Y 25	animals	wind	neotrop.
Mora.	<i>Trophis</i>	Rosales	9	9		animals	wind	neotrop., Madagas., Mal.
Mora.	<i>Maclura</i>	Rosales	11	11		animals	wind	pantrop., 1 sp. in USA
Mora.	<i>Streblus</i>	Rosales	25	15	dio. or mon.	animals	wind	OW trop.
Mora.	<i>Sorocea</i>	Rosales	20	20		animals	wind	neotrop.
Mora.	<i>Naucleopsis</i>	Rosales	25	20	rarely mon.	animals	wind	neotrop.
Mora.	<i>Ficus</i>	Rosales	750	100	only OW spp. dio.	animals	insects	pantrop.
Myrica.	<i>Canacomyrica</i>	Fagales	1	1		animals	wind	New Cal.
Myrica.	<i>Comptonia</i>	Fagales	1	1		wind	wind	USA

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Myrica.	Myrica	Fagales	50	40	dio. or mon., also sex-changing	animals	wind	subcosmopol.
Myristica.	Cephalosphaera	Magnoliales	1	1		animals	insects	trop. Afr.
Myristica.	Haematodendron	Magnoliales	1	1		animals	insects	Madagas.
Myristica.	Osteophloeum	Magnoliales	1	1		animals	insects	neotrop.
Myristica.	Coelocaryon	Magnoliales	4	4		animals	insects	trop. Afr.
Myristica.	Scyphocephalum	Magnoliales	4	4		animals	insects	trop. Afr.
Myristica.	Pycnanthus	Magnoliales	7	5	mon. or dio.	animals	insects	trop. Afr.
Myristica.	Otoba	Magnoliales	6	6		animals	insects	neotrop.
Myristica.	Gymnacranthera	Magnoliales	7	7		animals	insects	Indomal.
Myristica.	Componeura	Magnoliales	12	12		animals	insects	neotrop.
Myristica.	Iryanthera	Magnoliales	24	24		animals	insects	neotrop.
Myristica.	Virola	Magnoliales	45	45		animals	insects	neotrop.
Myristica.	Myristica	Magnoliales	72	72		animals	insects	trop. As. to Austr.
Myristica.	Knema	Magnoliales	83	83		animals	insects	Indomal.
Myristica.	Horsfieldia	Magnoliales	100	100		animals	insects	Indomal. to Austr.
Myrothamna.	Myrothamnus	core eudicots	1	1		wind	wind	trop. Afr., Madagas.
Myrsina.	Amblyanthus	Ericales	4	1		animals	insects	E Himal., New Guinea
Myrsina.	Myrsine	Ericales	5	1	herma. or polygamodio.	animals	insects	Afr., As., Hawaii
Myrsina.	Cybianthus	Ericales	124	1	herma. or polygamodio.	animals	insects	neotrop.
Myrsina.	Monoporus	Ericales	8	8		animals	insects	Madgas.
Myrsina.	Grenacheria	Ericales	10	10		animals	insects	Mal.
Myrsina.	Geissanthus	Ericales	35	20	dio. or polygamodio	animals	insects	neotrop.

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Myrsina.	Discocalyx	Ericales	50	20	herma. or dioecious	animals	insects	SE As.
Myrsina.	Maesa	Ericales	100	50		animals	insects	OW trop.
Myrsina.	Rapanea	Ericales	150	50	herma. or dio.	animals	insects	pantrop. & warm
Myrsina.	Stylogyne	Ericales	60	60	herma. or dio.	animals	insects	pantrop.
Myrsina.	Embelia	Ericales	130	92	herma. or polygamodio	animals	insects	trop. OW
Myrta.	Pimenta	Myrtales	2	1		animals	insects	neotrop.
Myrta.	Decaspermum	Myrtales	30	1		animals	insects	Indomal.
Myrta.	Eugenia	Myrtales	1000	10	herma.	animals	insects	pantrop.
Nepentha.	Nepenthes	Caryophyll.	70	70		wind	insects	Madagas., SE As., New Cal.
Nolina.	Calibanus	Asparagales	1	1		wind	insects	Mexico
Nolina.	Beaucarnea	Asparagales	10	10		wind	insect	Mexico, C. Am.
Nolina.	Dasyilirion	Asparagales	15	15		wind	insects	SW USA
Nolina.	Nolina	Asparagales	23	23		wind	insects	SW N. Am.
Nyctagina.	Guapira	Caryophyll.	3	3		animals	insects	neotrop.
Nyctagina.	Pisonia	Caryophyll.	35	20	mon. or dio.	animals	insects	pantrop. & warm
Nyctagina.	Neea	Caryophyll.	80	20	Y 26: mon.	animals	insects	neotrop.
Ochna.	Schuurmansia	Malpighia.	3	1	herma. or dio., unclear if really dio.	wind	insects	SE As.
Olaca.	Aptandra	Santalales	4	1	dio. or mon.	animals	insects	trop. S Am. (3), Afr. (1)
Olaca.	Octoknema	Santalales	5	5		animals	insects	trop. Afr.
Olea.	Osmanthus	Lamiales	15	1	herma., polygamous or dio.	animals	wind	As., USA
Olea.	Olea	Lamiales	20	1	herma. or dio.; O. europea is andromon.	animals	insects	trop. & warm temp.
Olea.	Phillyrea	Lamiales	4	2		animals	wind	Medit. to N Iran

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Olea.	Fraxinus	Lamiales	65	10	dio. or polygamodio .	wind	wind	N temp.
Olea.	Forestiera	Lamiales	15	15	dio. or polygamous	animals	wind or variable	USA
Onagra.	Fuchsia	Myrtales	100	4	herma., gynodio.	animals	insects	neotrop., Tahiti
Opilia.	Gjellerupia	Santalales	1	1		animals	insects	New Guinea
Opilia.	Agonandra	Santalales	10	10		animals	wind or variable	neotrop.
Panda.	Centroplacus	Malpighia.	1	1		animals	insects	W Afr.
Panda.	Panda	Malpighia.	1	1		animals	insects	trop. Afr.
Panda.	Galearia	Malpighia.	6	6		animals	insects	SE As.
Panda.	Microdesmis	Malpighia.	10	10		animals	insects	trop. Afr., SE As.
Pandana.	Sararanga	Pandanales	2	2		animals	insects	Philippines, Papuasia
Pandana.	Freycinetia	Pandanales	175	175	dio. or polygamous; sex-changing	animals	bats & birds	Sri Lanka to Polynesia
Pandana.	Pandanus	Pandanales	600	600	dio. or polygamous; sex-changing	variable	wind	OW trop.
Passiflora.	Passiflora	Malpighia.	350	1		animals	insects	the NZ sp. dioecious; mostly neotrop., 20 Indomal.
Passiflora.	Adenia	Malpighia.	93	30		animals	insects	paleotrop.
Phellina.	Phelline	Asterales	12	12		animals	insects	New Cal.
Physena.	Physena	Caryophyll.	2	2		animals	wind	Madagas.
Phytolacca.	Monococcus	Caryophyll.	1	1	also mon. Y 26	animals	insects	Austr.
Phytolacca.	Ledenbergia	Caryophyll.	2	1	herma. or dio.	animals	insects	neotrop.
Phytolacca.	Phytolacca	Caryophyll.	25	5	herma. or dio.	animals	insects	pantrop. to nearly cosmopol.
Picramnia.	Alvaradoa	rosids,	5	2		animals	insects	neotrop.

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		unplaced						
Picramnia.	Picramnia	rosids, unplaced	40	30		animals	insects	neotrop.
Pipera.	Macropiper	Piperales	9	8	dio. or mon.	animals	wind	S Pacific
Pipera.	Piper	Piperales	1000	300	dio. or mon. in OW; herma. in NW f. FGVP 1993	animals	wind	panthrop.
Pittospora.	Pittosporum	Apiales	200	1	herma., polygam., or dio. f. Manual Fl. Hawaii	wind	insects	trop. Afr., NZ, Hawaii
Poa.	Aciachne	Poales	1	1		wind	wind	high Andes
Poa.	Allolepis	Poales	1	1		wind	wind	USA
Poa.	Buchloe	Poales	1	1		wind	wind	N Am.
Poa.	Buchlomimus	Poales	1	1		wind	wind	Mexico
Poa.	Cyclostachya	Poales	1	1		wind	wind	Mexico
Poa.	Digitaria	Poales	1	1		wind	wind	Bolivia
Poa.	Gynerium	Poales	1	1		wind	wind	neotrop.
Poa.	Hesperochloa	Poales	1	1		wind	wind	USA
Poa.	Neeragrostis	Poales	1	1		wind	wind	neotrop.
Poa.	Opizia	Poales	1	1		wind	wind	Mexico, Cuba
Poa.	Pseudochaetochloa	Poales	1	1		wind	wind	W Austr.
Poa.	Reederochloa	Poales	1	1		wind	wind	Mexico
Poa.	Scleropogon	Poales	1	1		wind	wind	USA, Chile, Arg.
Poa.	Soderstromia	Poales	1	1		wind	wind	Mexico
Poa.	Sohnsia	Poales	1	1		wind	wind	Mexico
Poa.	Zygochloa	Poales	1	1		wind	wind	Austr.
Poa.	Calamagrostis	Poales	270	1	dioecious or monoecious	wind	wind	temp.
Poa.	Jouvea	Poales	2	2		wind	wind	Calif. to Panama
Poa.	Monanthochloa	Poales	2	2		wind	wind	USA, West Indies, Arg.
Poa.	Spinifex	Poales	4	4		wind	wind	Indomal. to E As.

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Poa.	Poa	Poales	250	10		wind	wind	holarctic
Poa.	Festuca	Poales	450	10		wind	wind	cosmopol.
Poa.	Distichlis	Poales	13	13		wind	wind	Am. (12), Austr. (1)
Polygona.	Harfordia	Caryophyll.	1	1	mon. or dio.	wind?	wind	Mexico to Calif.
Polygona.	Symmeria	Caryophyll.	1	1		animals	wind	neotrop. & Afr.
Polygona.	Polygonella	Caryophyll.	5	1		wind	insects	USA, Florida
Polygona.	Coccoloba	Caryophyll.	120	2	herma.	animals	insects	neotrop.
Polygona.	Rumex	Caryophyll.	200	2	gynodio. (Smith 1967)	wind	wind	N temp.
Polygona.	Triplaris	Caryophyll.	18	18		wind	insects, also wind?	neotrop.
Polygona.	Ruprechtia	Caryophyll.	20	20		wind	wind	neotrop.
Polygona.	Muehlenbeckia	Caryophyll.	23	23		animals	wind	NZ, Austr., S Am.
Potamogeton	Lepilaena	Alismatales	4	4		water	water	Austr.
Protea.	Aulax	Proteales	3	3		wind	insects	Cape
Protea.	Leucadendron	Proteales	81	81		wind	variable	S Afr.
Rafflesia.	Apodanthes	unplaced	1	1		animals	insects	neotrop.
Rafflesia.	Sapria	unplaced	1	1		animals	insects	SE As.
Rafflesia.	Bdallophyton	unplaced	2	1	dio. or mon.	animals	insects	neotrop. (Mexico)
Rafflesia.	Berlinianche	unplaced	2	2		animals	insects	trop. E Afr.
Rafflesia.	Rhizanthus	unplaced	2	2		animals	insects	SE As.
Rafflesia.	Cytinus	unplaced	6	3	dio. or mon.	animals	insects	Medit., Afr., Madagas.
Rafflesia.	Pilostyles	unplaced	12	12		animals	insects	S. Am., Austr., Iran
Rafflesia.	Rafflesia	unplaced	15	15		animals	insects	Mal.
Ranuncula.	Paroxygraphis	Ranuncula.	1	1		wind	insects	Himalaya
Ranuncula.	Clematis	Ranuncula.	295	1	fls. bi- or unisex.	wind	insects	N temp., trop. Afr. mts.
Ranuncula.	Hamadryas	Ranuncula.	6	6		wind	insects	S Am. (antarctic)
Ranuncula.	Thalictrum	Ranuncula.	160	9		wind	wind in	N temp. to trop.

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							the dio. spp., else bees	Am. & S Afr.
Restiona.	Chaetanthus	Poales	1	1		wind	wind	SW Austr.
Restiona.	Dielsia	Poales	1	1		wind	wind	Austr.
Restiona.	Harperia	Poales	1	1		wind	wind	Austr.
Restiona.	Hydrophilos	Poales	1	1		wind	wind	Cape
Restiona.	Lyginia	Poales	1	1		wind	wind	Austr.
Restiona.	Hopkinsia	Poales	2	2		wind	wind	Austr.
Restiona.	Nevillea	Poales	2	2		wind	wind	Cape
Restiona.	Onychosepalum	Poales	2	2		wind	wind	Austr.
Restiona.	Mastersiella	Poales	3	3		wind	wind	Cape
Restiona.	Rhodocoma	Poales	3	3		wind	wind	Cape
Restiona.	Lepidobolus	Poales	5	3		wind	wind	Austr.
Restiona.	Hypolaena	Poales	4	4		wind	wind	Austr.
Restiona.	Ceratocaryum	Poales	5	5		wind	wind	Cape
Restiona.	Loxocarya	Poales	8	5	rarely monoecious	wind	wind	Austr.
Restiona.	Lepyrodia	Poales	17	5	herma., mon. or dioecious	wind	wind	Austr., NZ
Restiona.	Anarthria	Poales	6	6	rarely monoecious	wind	wind	SW Austr.
Restiona.	Anthochortus	Poales	6	6		wind	wind	Cape
Restiona.	Cannomois	Poales	6	6		wind	wind	Cape
Restiona.	Dovea	Poales	6	6		wind	wind	Cape
Restiona.	Platycaulos	Poales	8	8		wind	wind	Cape
Restiona.	Staberoha	Poales	9	9		wind	wind	Cape
Restiona.	Askidiosperma	Poales	10	10		wind	wind	Cape
Restiona.	Willdenowia	Poales	10	10		wind	wind	Cape
Restiona.	Leptocarpus	Poales	16	10	dioecious or monoecious	wind	wind	Indomal. (3), Austr. & NZ (12), Chile (1)
Restiona.	Chondropetalum	Poales	12	12		wind	wind	Cape

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Restiona.	Hypodiscus	Poales	16	16		wind	wind	Cape
Restiona.	Calopsis	Poales	23	23		wind	wind	Cape
Restiona.	Elegia	Poales	32	32		wind	wind	S. Afr.
Restiona.	Thamnochortus	Poales	37	37		wind	wind	SW Afr. to Cape
Restiona.	Ischyrolepis	Poales	46	46		wind	wind	Cape
Restiona.	Restio	Poales	88	88		wind	wind	trop. Afr., Madagas.
Rhamna.	Discaria	Rosales	15	1		wind	insects	S Andes, Austr., NZ
Rhamna.	Rhamnus	Rosales	125	70	herma., polygamous or polygamodio.	animals	insects	temp.
Rhizophora.	Blepharistemma	Malpighia.	1	1	polygamodio.			India
Rosa.	Aruncus	Rosales	1	1		animals	wind	temp. & subarctic
Rosa.	Hagenia	Rosales	1	1	polygamodio.			trop. Afr.
Rosa.	Oemleria	Rosales	1	1		animals	insects	USA
Rosa.	Quillaja	Rosales	4	1	polygamous or polygamodio.	animals	insects	temp. S Am.
Rosa.	Fragaria	Rosales	12	1	herma., polyg., gynodio.	animals	insects	N temp.
Rosa.	Prunus	Rosales	400	1	herma., gynodio. or polygamodio. (see P. Jordano)	animals	insects	temp.
Rosa.	Potentilla	Rosales	500	1	herma.	wind	insects	N temp.
Rosa.	Bencomia	Rosales	5	2	herma.			Canary Is.
Rosa.	Kageneckia	Rosales	3	3		wind		Chile
Rosa.	Maddenia	Rosales	4	4	polygamodio.			Himalaya, China
Rosa.	Rubus	Rosales	250	5	herma. or	animals	insects	cosmopol.

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					polygamous			
Rosa.	Cliffortia	Rosales	115	40	herma.	animals	insects	trop. & S Afr.
Rubia.	Crocyllis	Gentianales	1	1	herma.		insects	Cape
Rubia.	Hodgkinsonia	Gentianales	1	1	polygamodio		insects	Austr.
Rubia.	Pachystylus	Gentianales	2	1	polygamodio		insects	New Guinea
Rubia.	Myonima = Ixora f. Mabberley	Gentianales	4	1	polygamodio		insects	Mauritius
Rubia.	Nertera	Gentianales	6	1	herma. or polygamodio	animals	wind	China to Austr., temp. S Am., Madagas.
Rubia.	Genipa	Gentianales	7	1	herma.	animals	insects	neotrop.
Rubia.	Stachyarrhen a	Gentianales	10	1	herma.		insects	neotrop.
Rubia.	Cinchona	Gentianales	20	1	herma.	animals	insects	neotrop.
Rubia.	Paederia	Gentianales	20	1	herma. or polygamodio		insects	pantrop.
Rubia.	Diplospora	Gentianales	25	1	herma.		insects	China to Austr.
Rubia.	Prismatomer is	Gentianales	25	1	herma.		insects	SE As.
Rubia.	Praravinia	Gentianales	50	1	herma.		insects	Mal.
Rubia.	Coussarea	Gentianales	100	1	herma.	animals	insects	neotrop.
Rubia.	Mussaenda	Gentianales	100	1	herma.		insects	OW tropics
Rubia.	Byrsophyllum	Gentianales	2	2	herma.		insects	India
Rubia.	Morindopsis	Gentianales	2	2	herma.		insects	SE As.
Rubia.	Galopina	Gentianales	4	2	polygamous		insects	Cape
Rubia.	Allaeophania	Gentianales	3	3	polygamodio		insects	Indomal.
Rubia.	Gouldia	Gentianales	3	3	gynodio.		insects	Hawaii
Rubia.	Bathysa	Gentianales	10	3	herma., dio. or gynodioecio us		insects	neotrop.
Rubia.	Galium	Gentianales	400	3	polygamous or polygamodio	wind	insects	cosmopol.

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Rubia.	Bobea	Gentianales	4	4	polygamodio .	animals	insects	Hawaii
Rubia.	Opercularia	Gentianales	15	5	herma. or dioecious		insects	Austr.
Rubia.	Carpacoce	Gentianales	7	7	polygamodio .		insects	Cape
Rubia.	Nenax	Gentianales	9	9	herma.	wind	wind	S Afr.
Rubia.	Randia	Gentianales	100	10	herma.	animals	insects	pantrop.
Rubia.	Kutchubea	Gentianales	11	11	herma.		insects	neotrop.
Rubia.	Cuviera	Gentianales	14	14	polygamodio .		insects	trop. Afr.
Rubia.	Gynochthodes	Gentianales	14	14	herma.		insects	SE As.
Rubia.	Gaertnera	Gentianales	68	16	heterostyly		insects	paleotrop
Rubia.	Asperula	Gentianales	90	16	herma.		insects	Eurasia, esp. Med., only 16 Austr. spp. dioecious
Rubia.	Duroia	Gentianales	20	20	herma.		insects	neotrop.
Rubia.	Alibertia	Gentianales	35	20	herma.	animals	insects	trop. Am.
Rubia.	Antirhea	Gentianales	40	20	herma. or polygamodio .	animals	insects	pantrop.
Rubia.	Timonius	Gentianales	150	20	polygamodio .		insects	Seychelles, SE As.
Rubia.	Amaioua	Gentianales	25	25	herma.	animals	insects	trop. S Am.
Rubia.	Anthospermum	Gentianales	40	40	herma.	wind	wind	Afr., Madagas.
Rubia.	Danais	Gentianales	40	40	herma.		insects	Madagas.
Rubia.	Coprosma	Gentianales	90	80	dio., polygamodio . , herma.	wind	wind	Mal., Austr.
Rubia.	Lasianthus	Gentianales	150	80	herma.		insects	trop. Afr., Indomal. to Austr., WI
Ruta.	Orixa	Sapindales	1	1	also mon.? Y 26			Japan
Ruta.	Ptaeroxylon	Sapindales	1	1		wind	insects	Cape
Ruta.	Araliopsis	Sapindales	3	1				trop. W Afr.
Ruta.	Ptelea	Sapindales	3	3	Y 37:	animals	insects	N Am.

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					polygamous			
Ruta.	Lunasia	Sapindales	10	4				SE As.
Ruta.	Skimmia	Sapindales	5	5	Y 37: polygamous	animals	insects	Himalaya, China, Japan
Ruta.	Phellodendron	Sapindales	10	10				E As.
Ruta.	Amyris	Sapindales	30	10	herma., mon., dio. or polygamous	animals	insects	trop. Am.
Ruta.	Zanthoxylum	Sapindales	200	10	Y 26 mon.	variable	insects & wind	pantrop.
Ruta.	Teclea	Sapindales	22	22		animals	insects	Afr., Madagas.
Salica.	Populus	Malpighia.	35	35		wind	wind	N temp.
Salica.	Salix	Malpighia.	401	400		wind	insects	N temp. & cold
Salvadora.	Azima	Brassicales	4	2		wind	wind	S Afr. to China, Lesser Sunda Is.
Santala.	Colpoon	Santalales	1	1	rarely andromon. or androdio.	animals		Cape
Santala.	Nanodea	Santalales	1	1	herma., andromon. or androdio.	animals		neotrop.
Santala.	Omphacomeria	Santalales	1	1	mon., dio. or polygamous	animals		Austr.
Santala.	Scleropyrum	Santalales	6	1	herma., polygamous, polygamodio .	animals		Indomal.
Santala.	Lepidoceras	Santalales	2	2		animals		Peru to Chile
Santala.	Dendrotrophe	Santalales	4	2	dioecious or monoecious	animals		SE As., Austr.
Santala.	Anthobolus	Santalales	3	3		animals		Austr.
Santala.	Buckleya	Santalales	4	4		animals		USA, Japan
Santala.	Osyris	Santalales	6	4	rarely	animals	insects	Medit., Afr.,

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					herma.			India
Santala.	Antidaphne	Santalales	9	6	dio. or mon.	animals	insects	neotrop.
Santala.	Thesidium	Santalales	8	8		animals	wind	Cape
Santala.	Arceuthobium	Santalales	31	9		ballistic		N Am., Medit.
Santala.	Viscum	Santalales	100	10	dio. or mon.	animals	insects	paleotrop. to temp.
Santala.	Exocarpos	Santalales	26	14	herma., mon. or dio.	animals	insects	SE As. & Hawaii
Santala.	Dendrophthora	Santalales	53	20	rarely monoecious	animals		neotrop.
Santala.	Phoradendron	Santalales	190	50	dio. or mon.	animals	insects	neotrop.
Sapinda.	Pappea	Sapindales	1	1	mon. Y 28	animals	insects	Cape
Sapinda.	Dipteronia	Sapindales	2	1	andromon., androdio. or dioecious			China
Sapinda.	Distichostemon	Sapindales	6	1	polygamodio., mon? Y 28			Austr.
Sapinda.	Nephelium	Sapindales	35	1	mon. Y 28	animals	insects	Indomal.
Sapinda.	Xerospermum	Sapindales	2	2	mon. Y 28	animals	insects	Indomal.
Sapinda.	Acer	Sapindales	110	19	andromon., androdio. or dioecious	wind	variable	N temp. & trop. mts.
Sapinda.	Dodonaea	Sapindales	50	20	polygamodio., mon. Y 28	wind	insects, also wind	panthrop.
Sapota.	Sideroxylon	Ericales	100	1	herma., dio. or polygamous	animals	insects	trop. OW
Sapota.	Chrysophyllum	Ericales	80	10	herma.	animals	insects	panthrop.
Sapota.	Pouteria	Ericales	50	20	herma., mon., dio.	animals	insects	panthrop.

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					or polygamous			
Saxifraga.	Tanakaea	?	1	1		insects		E Asia
Schisandra.	Kadsura	unplaced	24	10	dio. or mon.	animals	wind?	SE As.
Schisandra.	Schisandra	unplaced	25	10	dio. or mon.	animals	wind?	E As. & 1 sp. in SE USA
Scyphostegia	Scyphostegia	Malpighia.	1	1		animals	insects	Borneo
Simarouba.	Leitneria	Sapindales	1	1		animals	wind	SE USA
Simarouba.	Picrolemma	Sapindales	3	1		animals	insects	neotrop.
Simarouba.	Ailanthus	Sapindales	5	2	polygamous	animals	insects	As. to Austr.
Simarouba.	Castela	Sapindales	15	3		animals	insects	neotrop.
Simarouba.	Simarouba	Sapindales	35	6		animals	insects	pantrop.
Simmondsia.	Simmondsia	Caryophyll.	1	1		wind	wind	USA & Mexico
Siparuna.	Glossocalyx	Laurales	3	3		animals	insects	trop. Afr.
Siparuna.	Siparuna	Laurales	70	55	monoecious	animals	insects	neotrop.
Smilaca.	Heterosmilax	Liliales	15	5		animals		SE As.
Smilaca.	Smilax	Liliales	200	200		animals	insects	pantrop.
Solana.	Deprea	Solanales	6	1	herma.	animals	bees	neotrop.
Solana.	Dunalia	Solanales	6	1	herma.	animals	bees	neotrop.
Solana.	Withania	Solanales	10	1	herma.	animals	bees	Asia
Solana.	Symonanthus	Solanales	2	2	herma.	animals	bees	Australia
Solana.	Lycium	Solanales	75	6	herma., gynodio.	animals	bees	N. Am., Asia, Austr., Africa
Solana.	Solanum	Solanales	1000	11	herma., andromon.	animals	insects	subcosmopol.; dio. mostly in Australia
Staphylea.	Tapiscia	rosids, unplaced	1	1		wind	insects	China
Styraca.	Bruinsmia	Ericales	2	2	polygamodio	wind	insects	Assam to Mal.
Symploca.	Symplocos	Ericales	250	1	androdio.; polygamodio . f. Goldberg 1986	animals	insects	trop. & warm Am., E OW
Symploca.	Symplocus	Ericales	250	10	monoecy			trop. & warm. Am. & E OW

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Tetramela.	Octomeles	Cucurbitales	1	1		wind	wind	Mal.
Tetramela.	Tetrameles	Cucurbitales	1	1		wind	wind	Indomal. to Austr.
Thea.	Ternstroemia	Ericales	85	24	herma., dio. or rarely androdio.		insects	panthrop.
Thea.	Eurya	Ericales	70	70	herma.	animals	insects	trop. As., Hawaii
Theophrasta.	Clavija	Ericales	50	33	dio., gynodio., androdio., or polygamous	animals	insects	neotrop.
Thymelaea.	Goodallia	Malvales	1	1		animals		neotrop.
Thymelaea.	Thymelaea	Malvales	30	1	Y 59: herma., polygamous, mon.	animals	insects	N temp. OW, esp. Medit.
Thymelaea.	Solmsia	Malvales	2	2		animals		New Cal.
Thymelaea.	Ovidia	Malvales	4	2	dioecious or monoecious	animals		temp. S Am.
Thymelaea.	Funifera	Malvales	3	3		animals		Brazil
Thymelaea.	Daphnopsis	Malvales	46	20		animals	insects	neotrop.
Thymelaea.	Pimelea	Malvales	80	20	herma., polygamous or dio.	animals	insects	NZ, Austr.
Thymelaea.	Wikstroemia	Malvales	70	70	herma.	animals	insects	SE As. to Pacific; Hawaii
Ticodendra.	Ticodendron	Fagales	1	1		animals	wind	neotrop.
Torricelli.	Aralidium	Apiales	1	1		animals	insects	W Mal.
Torricelli.	Toricellia	Apiales	2	2		animals		Himalaya to China
Triurida.	Peltophyllum	moncots, unplaced	2	2		animals	insects	Paraguay, Argentina, Brazil
Triurida.	Triuris	moncots, unplaced	3	3		animals	insects	neotrop.
Turnera.	Hyalocalyx	Malpighia.	1	1		wind		trop. Afr., Madagas.
Turnera.	Mathurina	Malpighia.	1	1		wind		Rodrigues (near

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								Afr.?)
Turnera.	Streptopetalum	Malpighia.	3	1		wind	insects	trop. Afr.
Turnera.	Piriqueta	Malpighia.	19	10		wind	insects	neotrop. & Afr.
Turnera.	Turnera	Malpighia.	60	10		wind	insects	neotrop.
Urtica.	Lecanthus	Rosales	1	1	dio or mon.	wind	wind	OW trop.
Urtica.	Sarcochlamys	Rosales	1	1		wind	wind	Indomal.
Urtica.	Sarcopilea	Rosales	1	1		wind	wind	Hispaniola
Urtica.	Touchardia	Rosales	1	1	dio. or mon.	wind	wind	Hawaii
Urtica.	Chamabainia	Rosales	2	1	dio. or mon.	wind	wind	Indomal.
Urtica.	Girardinia	Rosales	2	1	dio. or mon.	wind	wind	warm OW
Urtica.	Meniscogyne	Rosales	2	1	monoecious	wind	wind	SE As.
Urtica.	Musanga	Rosales	2	2		animals	wind	trop. Afr.
Urtica.	Debregeasia	Rosales	4	2	dio. or mon.	wind	wind	warm Afr., As.
Urtica.	Phenax	Rosales	12	2	dio. or rarely polygamodio .	wind	wind	neotrop.
Urtica.	Gyrotaenia	Rosales	4	4		wind	wind	West Indies
Urtica.	Neraudia	Rosales	5	5		wind	wind	Hawaii
Urtica.	Myrianthus	Rosales	7	7		animals	wind	trop. Afr.
Urtica.	Cypholophus	Rosales	15	7	dio. or mon.	wind	wind	Mal.
Urtica.	Maoutia	Rosales	15	10	dio. or mon.	wind	wind	Indomal.
Urtica.	Poikilospermum	Rosales	20	10	dio. or mon.	animals	wind	Himalaya to Mal.
Urtica.	Procris	Rosales	20	10	dio. or mon.	wind	wind	OW trop.
Urtica.	Laportea	Rosales	21	10	dio. or mon.	wind	wind	pantrop.
Urtica.	Pouzolzia	Rosales	70	10	dio. or mon.	wind	wind	pantrop.
Urtica.	Myriocarpa	Rosales	18	15	dio. or	wind	wind	neotrop.

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					mon.			
Urtica.	Pipturus	Rosales	30	15	dio. or mon.	wind	wind	Mascarenes to Polynesia
Urtica.	Urera	Rosales	35	18	dio. or mon.	animals	wind	trop. Afr., Madagas., Hawaii
Urtica.	Pourouma	Rosales	30	30		animals	wind	neotrop.
Urtica.	Leucosyke	Rosales	35	30	dio. or mon.	wind	wind	Mal. to Polynesia
Urtica.	Dendrocide	Rosales	37	37		wind	wind	Indomal.
Urtica.	Boehmeria	Rosales	80	40	dio. or mon.	wind	wind	pantrop.
Urtica.	Urtica	Rosales	80	40	dio. or mon.	wind	wind	subcosmopol.
Urtica.	Coussapoa	Rosales	50	50		animals	wind	neotrop.
Urtica.	Cecropia	Rosales	75	75		animals	wind	neotrop.
Urtica.	Pilea	Rosales	250	100	dio. or mon.	wind	wind	pantrop. & warm
Urtica.	Elatostema	Rosales	300	150	dio. or mon.	wind	wind	trop. OW
Valeriana.	Phuodendron	Dipsacales	1	1				Brazil
Valeriana.	Valeriana	Dipsacales	250	10	herma., gynodio. (ref. see Ross 1970)	wind	insects	N temp., S Afr., Andes
Verbena.	Citharexylum	Lamiales	70	1		animals	insects	neotrop.
Verbena.	Callicarpa	Lamiales	140	1		animals	insects	pantrop.
Verbena.	Lippia	Lamiales	200	15		animals	insects	trop. Afr. & Am.
Verbena.	Aegiphila	Lamiales	150	30		animals	insects	neotrop.
Viola.	Melicytus	Malpighia.	4	4	dio. or polygamous	animals	insects	Solomon Is. (near N Guinea), NZ
Vita.	Vitis	core eudicots	65	28	polygamodio .	animals	insects (occ. wind)	holarctic
Vita.	Tetrastigma	core eudicots	90	90	polygamodio .	animals	insects	Indomal. to trop. Austr.
Wintera.	Drimys	unplaced	11	5	FGVP: fls. bisex. in NW, dio. in OW	animals	insects	neotrop. (6 spp.) & Mal. to NZ (5 spp.)

Dioecy database, Feb. 2002. This is a subset of the data used in Renner, S. S., and R. E. Ricklefs. 1995. Dioecy and its correlates in the flowering plants. *Am. J. Bot.* 82(5): 596-606, except that family circumscriptions have been up-dated following the APG classification (see <http://www.mobot.org/MOBOT/Research/APweb/orders/>). For details about sources and coding see R. & R. 1995. References are also available from renner@umsl.edu.

Yampolsky, C., and H. Yampolsky 1922. Distribution of sex forms in the phanerogamic flora. *Bibliotheca Genetica* 3: 1-62 is abbreviated as Y.

Zostera.	Phyllospadix	Alismatales	5	3		water	water	western USA, Japan
Zygophylla.	Neoluederitzia	Zygophyllales	1	1		wind	insects	S Afr.