Supplementary Information

ISI Data Collection Appendix

We collected reports from which relative success of selfed and outcrossed hand-pollinations could be calculated, or those that directly provided a measure along with transparent calculation procedures. We searched the online databases *ISI Web of Knowledge Science Citation Index* ^{TM} and the *Google Scholar* (`http://www.google.com/schhp`) using dozens of search terms related to plant mating and breeding systems. Our search included papers published through May of 2010. We used the following terms as starting points for our searches: self-incompatibility, self-compatibility, mating system, breeding system, seed, fruit, breeding system, cross-, self-, outcross, inbreeding, pollination, autogamy, xenogamy, geitonogamy, agamospermy, fertilization, reproduction. We used each term individually, but also in boolean searches with AND/OR operators. Different forms of a term (e.g. fertilization, fertilize, fertility, fertile) were used but are not listed explicitly. Negative ISI values were set to zero in the main text analyses. A histogram of unmodified ISI values is included in Fig. S1. A complete list of species and source information is given in Table S1.

In order to roughly estimate potential biases, we compared subsets of different ISI metrics. Specifically, some studies tracked both the relative fruit and seed set, and reported data for both ISI_{fruit} and ISI_{seed} ($n = 342$). We compared the distribution of ISI_{fruit} from such studies to those that only reported ISI_{fruit} ($n = 826$), without testing for ISI_{seed} ($D = 0.155$, $p << 0.001$). Studies which only reported ISI_{fruit} had a higher percentage of $ISI \geq 0.8$ (47.7%) than those which reported both ISI_{fruit} and ISI_{seed} (33.9%), as expected—when no fruit was set upon selfing, seed set data is rarely collected. The disparity between the two distributions is further driven by a greater percentage of species with $ISI_{fruit} \leq 0.2$ found in studies that reported both ISI_{fruit} and ISI_{seed} compared to those that only reported ISI_{fruit} (34.5% and 29.1%, respectively).

The Frequency Distribution of ISI by Plant Family

ISI reports from either seed or fruit data were found for species in 144 families. More than 30 reports were found for the Fabaceae ($n = 130$), Solanaceae (96), Bromeliaceae (82), Asteraceae (58), Orchidaceae (55), Rosaceae (42), Proteaceae (39), Rubiaceae (39), Stylidiaceae (34), Malvaceae (34), Ericaceae (34), and Myrtaceae (33). The distribution of ISI_{fruit} within each family is bimodal (Fig. S2) and removing common family ISI_{fruit} data from the total data set does not significantly alter our results (Fig. S3). Complete family numbers are reported in Table S2.

The Frequency Distribution of ISI_{seed}

ISI reports based on seed per fruit data were withheld from the main text because of the unknown magnitude of non-SI related effects on ISI_{seed}. Our literature search yielded ISI_{seed} data for 487 species from 95 families (Fig. S4). The distribution is strongly bimodal. The usage of ISI_{seed} data does not qualitatively affect conclusions reached in the main text.

The Frequency of Occurrence of Agamospermy

Agamospermy is the asexual production of seed. Although agamospermy may be achieved through different pathways (Whitton et al. 2008), determining the exact mode of agamospermous reproduction is not within the scope of most mating system studies collected for the present study. A minority of studies reported estimated agamospermy ($n = 271$, Fig. S5). We assume that any reports of agamospermy below 0.01% are errors and thus disregarded 222 out of 271 reports that fell below this cut off value (81.9% of total). Whitton et al. (2008) estimate that 1% of taxa display significant agamospermy, which is not close to our estimate. Agamospermy is known to occur at varying rates across different lineages (Whitton et al. 2008). It is unclear whether any bias exists in this data because we do not know how many of the studies tested for agamospermy specifically because of a prior suspicion of its occurrence. Figure S5 shows the distribution of the rate of agamospermy recorded in our dataset. Correcting reported ISI values for agamospermy does not qualitatively affect the results and conclusions presented.

Correlation between ISI and life history traits

In order to facilitate further analyses, we qualitatively encoded each taxon with ISI_{fruit} data as either woody or herbaceous, annual or perennial, and animal- or wind- pollinated. Information for coding each character was either obtained from the published source papers or from the PLANTS database `http://plants.usda.gov/index.html`. We were not able to precisely identify the life history, habit, and mode of pollination traits for all species. In total 960 species as perennial and 73 annual; 593 species were woody, and 451 herbaceous; 925 species were animal-pollinated, and 26 wind-pollinated (Fig. S4). The distribution of ISI was compared for each state of a character using non-parametric Kolmogorov-Smirnov tests. ISI data for annual and perennial, herbaceous and woody, and animal- and wind-pollinated species were analyzed separately in order to determine whether the distribution of ISI differs based on these traits. The distribution of ISI is significantly different based on life history (annual vs. perennial: $D = 0.41$, $p << 0.001$) and habit (woody vs. herbaceous: $D = 0.26$, $p << 0.001$), but not by mode of pollination.

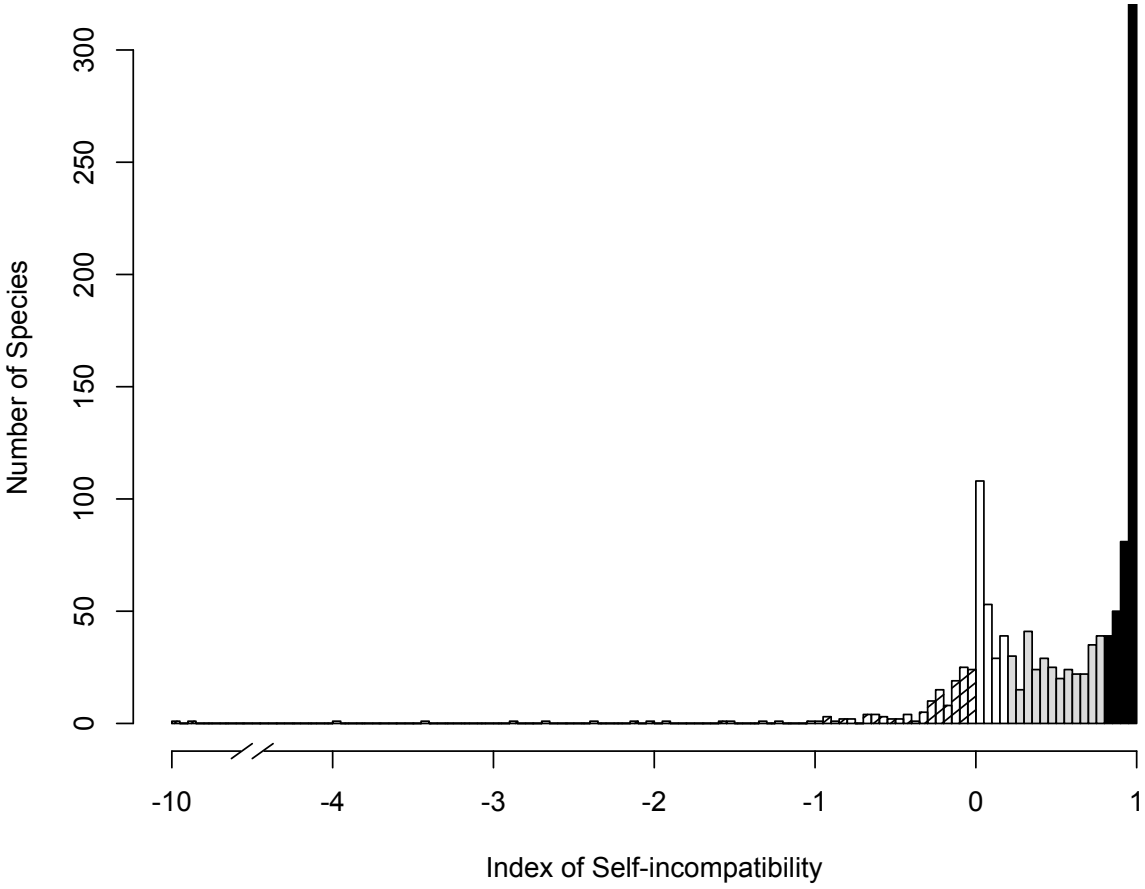

Figure S1: Histogram of unmodified ISI_{fruit} distribution in current study (note the break in the X axis).

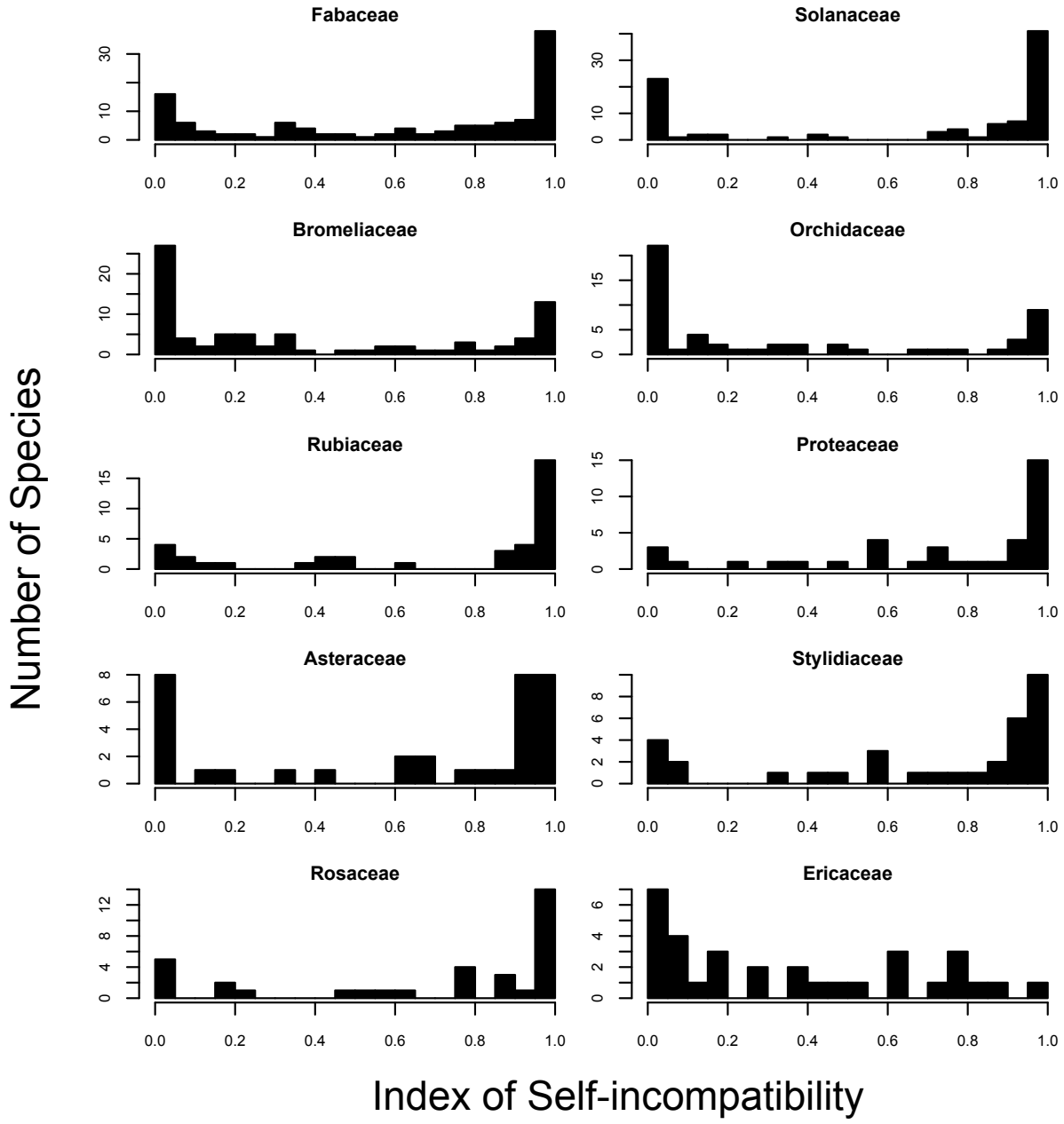

Figure S2: Histograms of ISI_{fruit} distribution from the most common families in current study.

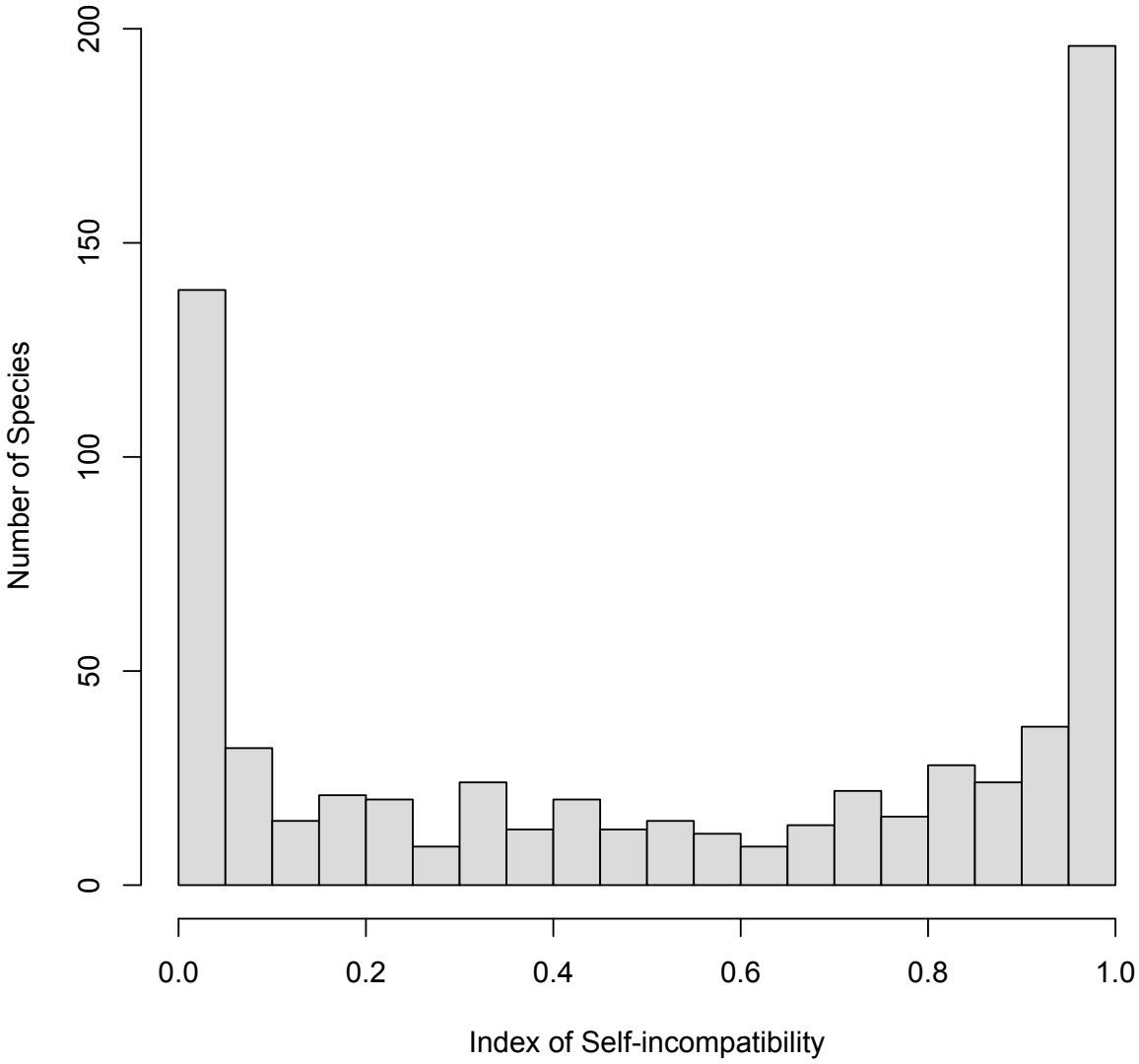

Figure S3: Histogram of ISI_{fruit} distribution excluding data from the most common families ($n = 679$).

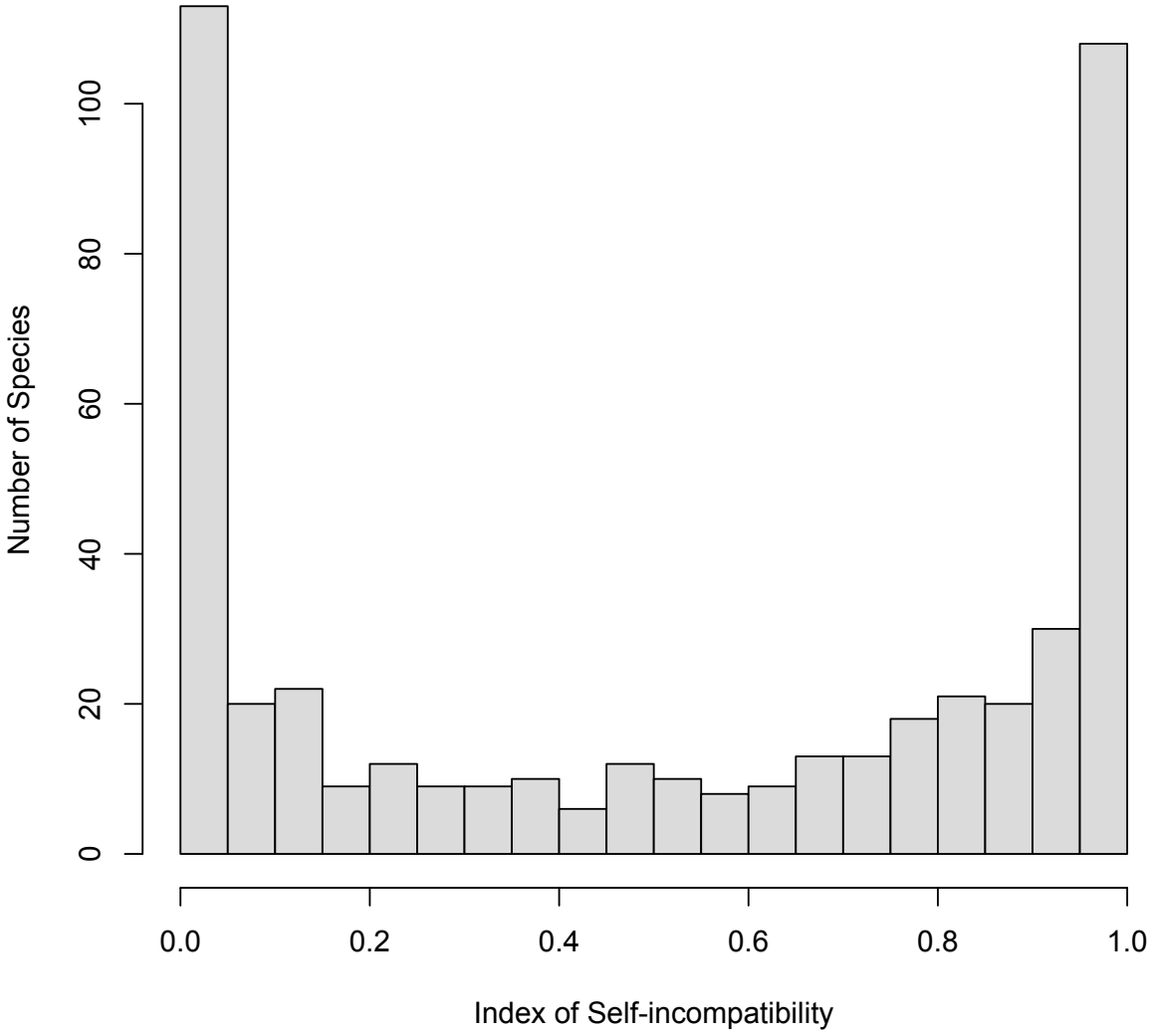

Figure S4: Histogram of ISI_{seed} distribution from current study ($n = 487$). ISI_{seed} data was excluded from the main analyses because of unknown effects of non-SI related phenomena on seed per fruit occurrence.

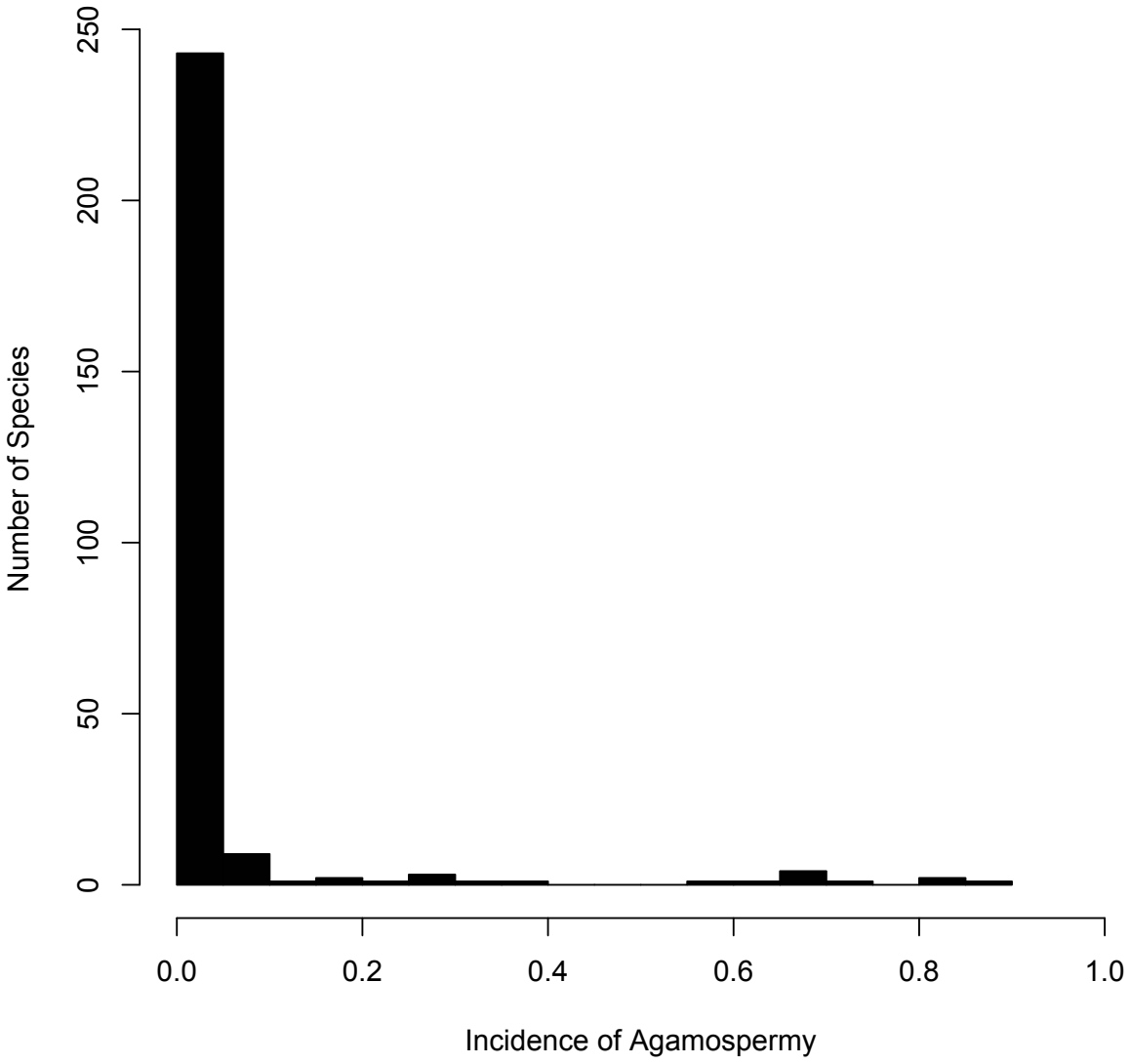

Figure S5: Histogram of the incidence of agamospermy from reports that specifically measured its occurence ($n = 271$).

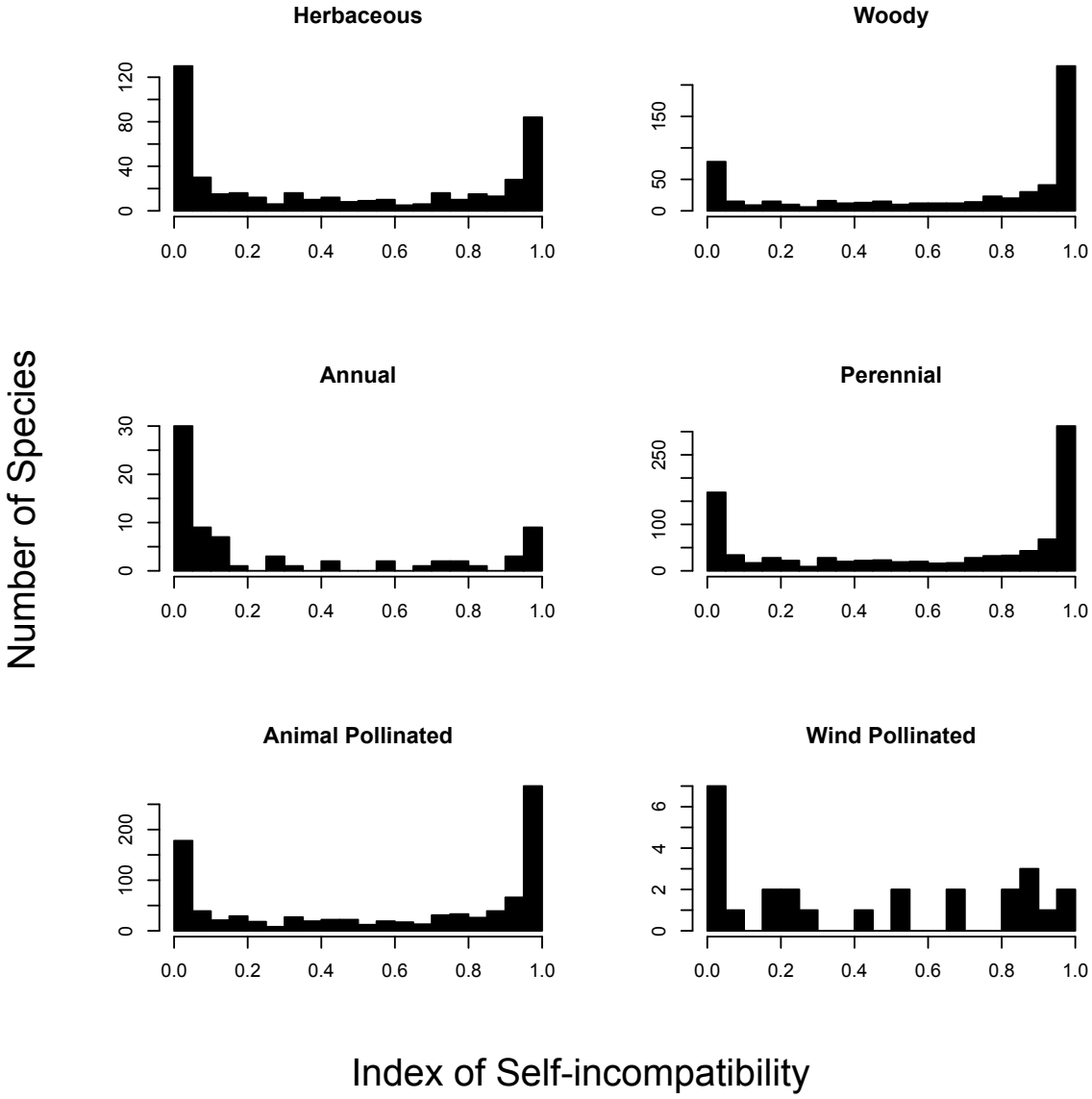

Figure S6: ISI_{fruit} distributions of various discrete characters. In order to assess how ISI is correlated with other traits, each species was classified as either woody or herbaceous, annual or perennial, and animal or wind pollinated when data was available. We find that the ISI distributions are only significantly different based on life history (annual vs. perennial: $D = 0.41$, $p << 0.001$) and habit (woody vs. herbaceous: $D = 0.26$, $p << 0.001$).

Table S1: List of all species and source studies.

Family	Species	Source
Acanthaceae	*Aphelandra deppeana*	McDade (1985)
	Aphelandra golfudulcensis	McDade (1985)
	Aphelandra hartwegiana	McDade (1985)
	Aphelandra leonardii	McDade (1985)
	Aphelandra lingua bovis	McDade (1985)
	Aphelandra panamensis	McDade (1985)
	Aphelandra sinclairiana	McDade (1985)
	Aphelandra storkii	McDade (1985)
	Aphelandra terryae	McDade (1985)
	Avicennia germanians	Lemus-Jimenez and Ramirez (2005)
	Justicia galapagana	McMullen (1987)
	Justicia squarrosa	Aizen and Feinsinger (1994)
	Razisea wilburii	Grove (1985)
	Ruellia asperula	Machado et al. (2006)
	Ruellia paniculata	Machado et al. (2006)
	Ruellia tuberosa	Jaimes and Ramirez (1999)
Agapanthaceae	*Agapanthus campanulatus*	Johnson et al. (2009)
Agavaceae	*Anthericum liliago*	Rosquist (2001)
	Anthericum ramosum	Rosquist (2001)
	Cordyline kaspar	Newstrom and Robertson (2005)
	Hesperaloe parviflora	Pellmyr and Augenstein (1997)
	Phormium tenax	Becerra and Lloyd (1992)
		Jesson et al. (2006)
		Newstrom and Robertson (2005)
Aizoaceae	*Bergeranthus multiceps*	Peter et al. (2004)
	Carpobrotus acinaciformis	Suehs et al. (2004)
	Carpobrotus edulis	Suehs et al. (2004)
	Sesuvium edmonstonei	Lemus-Jimenez and Ramirez (2005)
	Sesuvium portulacastrum	Lemus-Jimenez and Ramirez (2005)
Amaranthaceae	*Alternanthera halmifolia*	Lemus-Jimenez and Ramirez (2005)
	Gomphrena alba	Lemus-Jimenez and Ramirez (2005)
Amaryllidaceae	*Alstroemeria aurea*	Aizen and Basilio (1995)
		Riveros et al. (1996)
	Alstroemeria ligtu	Arroyo and Uslar (1993)
	Alstroemeria pallida	Arroyo and Uslar (1993)
	Crinum erubescens	Manasse and Pinney (1991)
	Cyrtanthus breviflorus	Vaughton et al. (2010)
	Hippeastrum bicolor	Arroyo and Uslar (1993)
	Narcissus albimarginatus	Perez-Barrales et al. (2006)
	Narcissus calcicola	Perez-Barrales et al. (2006)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Amaryllidaceae	*Narcissus cuatrecasasii*	Perez-Barrales et al. (2006)
	Narcissus papyraceus	Perez-Barrales et al. (2006)
	Narcissus rupicola	Perez-Barrales et al. (2006)
	Narcissus triandrus	Sage et al. (1999)
	Narcissus scaberulus	Perez-Barrales et al. (2006)
Anacardiaceae	*Anacardium occidentale*	Foltan and Ludders (1995)
	Spondias mombin	Bawa (1974)
	Spondias tuberosa	de Lima Leite and Machado (2010)
Annonaceae	*Anaxagorea crassipetala*	Bawa et al. (1985)
	Annona cherimola	Richardson and Anderson (1996)
	Asimina parviflora	Norman et al. (1992)
	Cymbopetalum sp	Bawa et al. (1985)
	Deeringothamnus rugelii	Norman (2003)
	Polyalthia coffeoides	Ratnayake et al. (2006)
	Polyalthia korinti	Ratnayake et al. (2006)
	Sapranthus palanga	Bawa (1974)
	Uvaria elmeri	Nagamitsu and Inoue (1997)
	Xylopia brasiliensis	Andrade et al. (1996)
	Asclepias exaltata	Lipow et al. (1999)
Apiaceae	*Eryngium cuneifolium*	Evans et al. (2003)
Apocynaceae	*Asclepias incarnata*	Ivey et al. (1999)
		Kephart (1981)
	Asclepias perennis	Wyatt et al. (1998)
	Asclepias subulata	Wyatt et al. (1996)
	Asclepias syriaca	Kephart (1981)
	Asclepias texana	Wyatt et al. (1998)
	Asclepias verticillata	Kephart (1981)
	Aspidosperma macrocarpon	Schuster et al. (1993)
		Lifante (1996)
	Calotropis gigantea	Lemus-Jimenez and Ramirez (2005)
	Calotropis procera	Lemus-Jimenez and Ramirez (2005)
	Elytropus chilensis	Riveros et al. (1996)
	Gonolobus suberosus	Lipow and Wyatt (1998)
	Hancornia pubescens	Oliveira et al. (2004)
	Macrosiphonia petrae	Morales and Galetto (2003)
	Mandevilla pentlandiana	Torres and Galetto (1999)
	Pachycarpus asperifolius	Shuttleworth and Johnson (2006)
	Rauvolfia grandiflora	Lopes and Machado (1999)
	Vincetoxicum hirundinaria	Leimu (2004)
	Vincetoxicum rossicum	St Denis and Cappuccino (2004)
	Xysmalobium orbiculare	Shuttleworth and Johnson (2009)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Apocynaceae	*Xysmalobium undulatum*	Shuttleworth and Johnson (2008)
Araliaceae	*Didymopanax vinosum*	Saraiva et al. (1996)
	Panax quinquefolium	Lloyd and Schoen (1992)
Arecaceae	*Arum maculatum*	Diaz et al. (2006)
	Dieffenbachia longispatha	Lloyd and Schoen (1992)
	Dieffenbachia sp	Ramirez and Seres (1994)
	Geonoma tenuis	Ramirez and Seres (1994)
	Xanthosoma undipes	Ramirez and Seres (1994)
Asphodelaceae	*Aloe africana*	Botes et al. (2009)
	Aloe greatheadii	Symes et al. (2009)
	Aloe inconspicua	Hargreaves et al. (2008)
	Aloe lineata	Botes et al. (2009)
	Aloe marlothii	Symes et al. (2009)
	Aloe pluridens	Botes et al. (2009)
	Aloe speciosa	Botes et al. (2009)
	Asphodelus aestivus	Lifante (1996)
	Bulbine bulbosa	Owen et al. (2007)
	Kniphofia caulescens	Brown et al. (2010)
	Kniphofia laxiflora	Johnson et al. (2009)
Asteliaceae	*Cordyline australis*	Beever and Parkes (1996)
Asteraceae	*Achillea atrata*	Scheffknecht et al. (2007)
	Ambrosia artemisiifolia	Friedman and Barrett (2008)
	Arctotis fastuosa	Ueckermann and van Rooyen (2000)
	Argyroxiphium sandwicense	Carr et al. (1986)
	Arnica montana	Luijten et al. (1996)
		Luijten et al. (2002)
	Aster curtus	Giblin and Hamilton (1999)
	Aster furcatus	Les et al. (1991)
	Balsamorhiza sagitta	Cane (2005)
	Bidens pilosa	Jaimes and Ramirez (1999)
	Brachycome muellerii	Jusaitis et al. (2003)
	Centaurea jacea	Albrecht et al. (2009)
	Conyza sumatrensis	Hao et al. (2009)
	Crepis sancta	Cheptou et al. (2000)
		Cheptou et al. (2001)
	Crepis tectorum	Lloyd and Schoen (1992)
	Dendranthema grandiflora	Anderson et al. (1992)
	Dimorphotheca sinuata	Ueckermann and van Rooyen (2000)
	Egletes prostrata	Lemus-Jimenez and Ramirez (2005)
	Emilia fosbergii	Jaimes and Ramirez (1999)
	Espeletia angustifolia	Berry and Calvo (1994)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Asteraceae	*Espeletia atropurpurea*	Berry and Calvo (1994)
	Espeletia badilloi	Berry and Calvo (1994)
	Espeletia batata	Berry and Calvo (1989), Berry and Calvo (1994)
	Espeletia floccosa	Berry and Calvo (1989), Berry and Calvo (1994)
	Espeletia lindenii	Berry and Calvo (1989), Berry and Calvo (1994)
	Espeletia marcescens	Berry and Calvo (1994)
	Espeletia moritziana	Berry and Calvo (1989), Berry and Calvo (1994)
	Espeletia neriifolia	Berry and Calvo (1989), Berry and Calvo (1994)
	Espeletia schultzii	Berry and Calvo (1989), Berry and Calvo (1994)
	Espeletia semiglobulata	Berry and Calvo (1989), Berry and Calvo (1994)
	Espeletia spicata	Berry and Calvo (1989), Berry and Calvo (1994)
	Espeletia timotensis	Berry and Calvo (1989), Berry and Calvo (1994)
	Galinsoga parviflora	Jaimes and Ramirez (1999)
	Grindelia covasii	Roitman (1999)
	Hymenoxys acaulis	Demauro (1993)
	Hypochaeris glabra	Ortiz et al. (2006)
	Hypochaeris maculata	Norderhaug (1995)
	Hypochaeris radicata	Pico et al. (2004) Becker et al. (2006)
	Leontodon autumnalis	Pico and Koubek (2003)
	Leptinella atrata	Newstrom and Robertson (2005)
	Leptinella minor	Newstrom and Robertson (2005)
	Leptinella pectinata	Newstrom and Robertson (2005)
	Leucochrysum albicans	Costin et al. (2001)
	Liatris ohlingerae	Evans et al. (2003)
	Olearia adenocarpa	Heenan et al. (2005)
	Pleurophyllum criniferum	Newstrom and Robertson (2005)
	Pleurophyllum speciosum	Newstrom and Robertson (2005)
	Porophyllum leiocarpum	Jaimes and Ramirez (1999)
	Pyrrhopappus carolinianus	Barber and Estes (1978)
	Pyrrhopappus geiseri	Barber and Estes (1978)
	Rutidosis leptorrhynchoides	Young et al. (2000)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Asteraceae	*Scalesia affinis*	Nielsen et al. (2003), Nielsen et al. (2007)
	Scalesia cordata	Philipp and Nielsen (2010)
	Senecio inaequidens	Lopez-Garcia and Maillet (2005), Lafuma and Maurice (2007)
	Senecio squalidus	Abbott and Forbes (1993)
	Solidago shortii	Buchele et al. (1992)
	Tripteris hyoseroides	Ueckermann and van Rooyen (2000)
	Ursina cakilefolia	Ueckermann and van Rooyen (2000)
	Zinnia angustifolia	Samaha and Boyle (1989)
Balsaminaceae	*Impatiens capensis*	Lloyd and Schoen (1992)
	Impatiens pallida	Lloyd and Schoen (1992)
	Berberis buxifolia	Riveros et al. (1996)
	Berberis darwinii	Riveros et al. (1996)
	Berberis sp	Arroyo and Uslar (1993)
Berberidaceae	*Dysosma versipellis*	Guan et al. (2010)
	Podophyllum peltatum	Whisler and Snow (1992)
Betulaceae	*Corylus avellana*	Mehlenbacher and Smith (1991)
Bignoniaceae	*Arrabidaea brachypoda*	Yanagizawa and Maimoni-Rodella (2007)
	Arrabidaea samydoides	Yanagizawa and Maimoni-Rodella (2007)
	Astianthus viminalis	Bullock (1985)
	Dolichandra cynanchoides	Gibbs and Bianchi (1999), Morales and Galetto (2003)
	Eccremocarpus scaber	Arroyo and Uslar (1993)
	Godmania aesculifolia	Bawa (1974)
	Heterophragma quadriloculare	Somanathan and Borges (2001)
	Jacaranda oxyphylla	Guimaraes et al. (2008) Yanagizawa and Maimoni-Rodella (2007)
	Jacaranda racemosa	Bittencourt and Semir (2005)
	Pithecoctinium cynanchoides	Morales and Galetto (2003)
	Tabebuia chrysantha	Bullock (1985)
	Tabebuia chrysotricha	Bittencourt and Semir (2005)
	Tabebuia donnell smithii	Bullock (1985)
	Tabebuia heptaphylla	Bittencourt and Semir (2005)
	Tabebuia impetiginosa	Bittencourt and Semir (2005), Bullock (1985)
	Tabebuia neochrysantha	Bawa (1974)
	Tabebuia nodosa	Gibbs and Bianchi (1999)
	Tabebuia ochracea	Oliveira and Gibbs (2000)
	Tabebuia palmeri	Bawa (1974)
	Tabebuia rosea	Bawa (1974)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Bignoniaceae	*Tabebuia roseo-alba*	Gandolphi and Bittencourt (2010)
	Tabebuia spectabilis	Ruiz-Zapata and Arroyo (1978)
	Tabebuia umbellata	Bittencourt and Semir (2005)
	Tabebuia vellosoi	Bittencourt and Semir (2005)
Bombaceae	*Ceiba pentandra*	Gribel et al. (1999)
Boraginaceae	*Amsinckia grandiflora*	Weller and Ornduff (1977)
		Carlsen et al. (2002)
	Auxemma glazioviana	Machado et al. (2006)
	Auxemma onocalyx	Machado et al. (2006)
	Borago officinalis	Montaner et al. (2000)
	Bourreria exsucca	Lemus-Jimenez and Ramirez (2005)
	Bourreria quirosii	Bawa (1974)
	Consolida ajacis	Bosch et al. (2001)
	Consolida mauritania	Bosch et al. (2001)
	Consolida pubescens	Bosch et al. (2001)
	Cordia alliodora	Lloyd and Schoen (1992)
	Cordia curassavica	Taisma and Varela (2005)
	Cordia eleagnoides	Bullock (1985)
	Cordia globosa1	Lemus-Jimenez and Ramirez (2005)
	Cordia globosa2	Machado et al. (2006)
	Cordia leucocephala	Machado et al. (2006)
	Cordia lutea	McMullen (1987)
	Cryptantha flava	Casper (1985)
	Heliotropium angiospermum	Jaimes and Ramirez (1999)
	Heliotropium indicum	Lemus-Jimenez and Ramirez (2005)
	Mertensia fusiformis	Forrest and Thomson (2010)
	Myosotis brockiei	Newstrom and Robertson (2005)
	Myosotis forsteri	Brandon (2001)
	Myosotis laeta	Newstrom and Robertson (2005)
	Myosotis macrantha	Newstrom and Robertson (2005)
	Myosotis monroi	Newstrom and Robertson (2005)
	Myosotis tenericaulis	Brandon (2001)
	Lithospermum caroliniense	Levin (1972)
	Tournefortia gnaphalodes	Lemus-Jimenez and Ramirez (2005)
	Tournefortia rufo sericea	McMullen (2007)
Brassicaceae	*Alliaria petiola*	Anderson et al. (1996)
	Arabidopsis lyrata	Mable et al. (2005)
	Arabidopsis thaliana	B . Igic pers. obs.
	Atamisquera emarginata	Aizen and Feinsinger (1994)
	Brassica rapa	Horisaki and Niikura (2007)
	Cakile edentula	Donohue (1998)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Brassicaceae	*Cakile maritima*	Thrall et al. (2000)
	Capparis brevispina	Nayak and Davidar (2010)
	Capparis flexuosa	Ruiz-Zapata and Arroyo (1978)
	Capparis hastata	Machado et al. (2006)
	Capparis jacobinae	Machado et al. (2006)
	Capparis pitteri	Bawa et al. (1985)
	Capparis verrucosa	Ruiz-Zapata and Arroyo (1978), Bullock (1985)
	Capparis zeylanica	Nayak and Davidar (2010)
	Cardamine angustata	Motten (1986)
	Draba palanderiana	Grundt et al. (2005)
	Hirschfeldia incana	Darmency and Fleury (2000)
	Isatis tinctoria	Spataro and Negri (2008)
Bromeliaceae	*Aechmaea araneosa*	Matallana et al. (2010)
	Aechmaea beeriana	Matallana et al. (2010)
	Aechmaea capixabae	Matallana et al. (2010)
	Aechmaea comata	Matallana et al. (2010)
	Aechmaea distichantha	Bianchi et al. (2000)
	Aechmaea lamarchei	Matallana et al. (2010)
	Aechmaea macrochlamys	Matallana et al. (2010)
	Aechmaea mutica	Matallana et al. (2010)
	Aechmaea nudicaulis	Matallana et al. (2010)
	Aechmaea pectinata	Matallana et al. (2010)
	Aechmaea pineliana	Matallana et al. (2010)
	Alcantarea extensa	Matallana et al. (2010)
	Alcantarea glaziouana	Matallana et al. (2010)
	Alcantarea imperialis	Matallana et al. (2010)
	Araeococcus parviflorus	Matallana et al. (2010)
	Billbergia amoena	Matallana et al. (2010)
	Billbergia bradeana	Matallana et al. (2010)
	Billbergia euphemiae	Matallana et al. (2010)
	Billbergia horrida	Matallana et al. (2010)
	Billbergia vittata	Matallana et al. (2010)
	Bromelia antiacantha	Matallana et al. (2010)
	Bromelia serra	Bianchi et al. (2000)
	Dyckia ferox	Bianchi et al. (2000)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Bromeliaceae	*Dyckia tuberosa*	Vosgueritchian and Buzato (2006)
	Edmundoa lindenii	Matallana et al. (2010)
	Lymania smithii	Matallana et al. (2010)
	Neoregelia guttata	Matallana et al. (2010)
	Neoregelia macrosepala	Matallana et al. (2010)
	Neoregelia pauciflora	Matallana et al. (2010)
	Nidularium cariacicaense	Matallana et al. (2010)
	Nidularium espiritosantense	Matallana et al. (2010)
	Nidularium procerum	Matallana et al. (2010)
	Pitcairnia albiflos	Wendt et al. (2001)
	Pitcairnia altensteinii	Ramirez and Seres (1994)
	Pitcairnia brittoniana	Bush and Beach (1995)
	Pitcairnia corcovadensis	Wendt et al. (2001)
		Matallana et al. (2010)
	Pitcairnia flammea	Wendt et al. (2001)
		Matallana et al. (2010)
	Pitcairnia flammea var. pallida	Matallana et al. (2010)
	Pitcairnia staminea	Wendt et al. (2001)
	Portea fosteriana	Matallana et al. (2010)
	Quesnelia arvensis	Matallana et al. (2010)
	Quesnelia lateralis	Matallana et al. (2010)
	Quesnelia marmorata	Matallana et al. (2010)
	Quesnelia quesneliana	Matallana et al. (2010)
	Quesnelia strobilispica	Matallana et al. (2010)
	Racinaea spiculosa	Matallana et al. (2010)
	Renealmia nicolaioides	Ramirez and Seres (1994)
	Tillandsia dasyliriifolia	Ramirez Morillo et al. (2009)
		Matallana et al. (2010)
	Tillandsia geminiflora	Matallana et al. (2010)
	Tillandsia ixioides	Aizen and Feinsinger (1994)
	Tillandsia juncea	Matallana et al. (2010)
	Tillandsia multicaulis	Matallana et al. (2010)
	Tillandsia prodigiosa	Matallana et al. (2010)
	Tillandsia punctulata	Matallana et al. (2010)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Bromeliaceae	*Tillandsia streptophylla*	Morillo et al. (2009)
	Tillandsia stricta	Matallana et al. (2010)
	Tillandsia tenuifolia	Matallana et al. (2010)
	Vriesea aff. fenestralis	Matallana et al. (2010)
	Vriesea bituminosa	Matallana et al. (2010)
	Vriesea bracteosa	Bush and Beach (1995)
	Vriesea delicatula	Matallana et al. (2010)
	Vriesea ensiformis	Matallana et al. (2010)
	Vriesea gracilior	Matallana et al. (2010)
	Vriesea heterostachys	Matallana et al. (2010)
	Vriesea hydrophora	Matallana et al. (2010)
	Vriesea hygrometrica	Bush and Beach (1995)
	Vriesea incurvata	Matallana et al. (2010)
	Vriesea kautskyana	Matallana et al. (2010)
	Vriesea longicaulis	Matallana et al. (2010)
	Vriesea longiscapa	Matallana et al. (2010)
	Vriesea neoglutinosa	Matallana et al. (2010)
	Vriesea platynema	Ramirez and Seres (1994)
	Vriesea procera	Matallana et al. (2010)
	Vriesea ruschii	Matallana et al. (2010)
	Vriesea scalaris	Matallana et al. (2010)
	Vriesea simplex	Matallana et al. (2010)
	Vriesea sparsiflora	Matallana et al. (2010)
	Vriesea splendens	Ramirez and Seres (1994)
	Vriesea vagans	Matallana et al. (2010)
	Werauhia gladioliflora	Matallana et al. (2010)
	Werauhia sintenisii	Lasso and Ackerman (2004)
Bruniaceae	*Audouinia capitata*	de Lange et al. (1993)
Burseraceae	*Boswellia serrata*	Sunnichan et al. (2005)
Butomaceae	*Butomus umbellatus*	Fernando and Cass (1997)
		Krahulcova and Jarolimova (1993)
Cactaceae	*Cereus peruvianus*	Weiss et al. (1994)
	Cleistocactus baumannii	Bianchi et al. (2000)
	Echinopsis chamaecereus	Boyle and Idnurm (2001)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Cactaceae	*Ferocactus cylindraceus*	McIntosh (2002)
	Ferocactus wislezeni	McIntosh (2002)
	Hylocereus polyrhizus	Lichtenzveig et al. (2000)
	Melocactus curvispinus	Nassar and Ramirez (2004)
	Melocactus zehntneri	Machado et al. (2006)
	Opuntia cordobensis	Morales and Galetto (2003)
	Opuntia ellisana	Wang et al. (1996)
	Opuntia excelsia	Bullock (1985)
	Opuntia ficus-indica	Wang et al. (1996)
	Opuntia palmadora	Machado et al. (2006)
	Opuntia phaeacantha	Lloyd and Schoen (1992)
	Opuntia quimilo	Aizen and Feinsinger (1994)
	Opuntia retrorsa	Bianchi et al. (2000)
	Opuntia streptacantha	Wang et al. (1996)
	Pereskia guamacho	Lemus-Jimenez and Ramirez (2005)
	Pilosocereus moritzianus	Nassar et al. (1997)
	Rhipsalis lumbricoides	Aizen and Feinsinger (1994)
	Schlumbergera sp	Boyle (1997)
	Selenicereus megalanthus	Dag and Mizrahi (2005), Lichtenzveig et al. (2000)
	Stenocereus griseus	Nassar et al. (1997)
	Stenocereus horrispinus	Nassar et al. (1997)
	Stenocereus repandus	Nassar et al. (1997)
	Stenocereus stellatus	Casas et al. (1999)
Campanulaceae	*Campanula americana*	Galloway et al. (2003)
	Campanula rapunculoides	Vogler et al. (1998)
		Vogler et al. (1999)
		Good-Avila et al. (2001)
		Good-Avila and Stephenson (2003)
	Campanula rotundifolia	Nuortila et al. (2004)
	Campanula thyrsoides	Ægisdottir et al. (2007)
	Clintonia borealis	Barrett and Helenurm (1987), Dorken and Husband (1999)
	Lobelia cardinalis	Johnston (1992)
	Lobelia siphilitica	Johnston (1992)
	Syphocamphylus reticulatus	Sobrevila and Arroyo (1982)
	Wahlenbergia albomarginata	Newstrom and Robertson (2005)
Cannaceae	*Canna indica*	Rambuda and Johnson (2004)
Capparaceae	*Crateva adansonii*	Mangla and Tandon (2011)
Caprifoliaceae	*Linnaea borealis*	Barrett and Helenurm (1987)
Caryocaraceae	*Caryocar brasiliense*	Oliveira and Gibbs (2000), Oliveira et al. (2004)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Caryophyllaceae	*Arenaria uniflora*	Fishman and Wyatt (1999)
	Schiedea membranacea	Culley et al. (1999)
	Silene vulgaris	Glaettli and Goudet (2006)
	Stellaria pubera	Motten (1986)
Celastraceae	*Hemiangium excelsum*	Bawa (1974)
Chrysobalanaceae	*Couepia polyandra*	Bullock (1985)
	Hirtella glandulosa	Arista et al. (1997)
	Hirtella gracilipes	Arista et al. (1997)
	Hirtella racemosa	Bawa (1974)
Cistaceae	*Cistus carthaginensis*	Boscaiu and Guemes (2001)
	Cistus ladanifer	Talavera et al. (1993)
	Fumana ericifolia	Guemes and Boscaiu (2001)
	Helianthemum caput felis	Rodriguez-Perez (2005)
	Helianthemum marifolium	Rodriguez-Perez (2005)
Clethraceae	*Clethra alnifolia*	Rathcke (1988), Reed (2006)
Clusiaceae	*Kielmeyera coriacea*	Oliveira and Gibbs (2000)
	Kielmeyera speciosa	Oliveira and Gibbs (2000)
Cochlospermaceae	*Cochlospermum insigne*	de Lima Leite and Machado (2010)
	Cochlospermum vitifolium	Bawa (1974), Bullock (1985)
Colchicaceae	*Burchardia umbellata*	Ramsey and Vaughton (2000)
	Gloriosa superba L.	le Roux and Robbertse (1997)
	Wurmbea biglandulosa	Ramsey et al. (2006)
Combretaceae	*Combretum leprosum*	Machado et al. (2006)
	Combretum pisonioides	Machado et al. (2006)
	Conocarpus erectus	Lemus-Jimenez and Ramirez (2005)
	Laguncularia racemosa	Lemus-Jimenez and Ramirez (2005)
Commelinaceae	*Commelina diffusa*	Jaimes and Ramirez (1999)
	Tinantia anomala	Lloyd and Schoen (1992)
	Tradescantia zanonia	Ramirez and Seres (1994)
Convolvulaceae	*Convolvulus chilensis*	Suarez et al. (2004)
	Convolvulus nodiflorus	Jaimes and Ramirez (1999)
	Evolvulus tenuis	Jaimes and Ramirez (1999)
	Ipomoea alba	Rambuda and Johnson (2004)
	Ipomoea asarifolia	Machado et al. (2006)
	Ipomoea bahiensis	Machado et al. (2006)
	Ipomoea brasiliana	Machado et al. (2006)
	Ipomoea carnea	Lemus-Jimenez and Ramirez (2005)
	Ipomoea habeliana	McMullen (2009)
	Ipomoea incarnata	Machado et al. (2006)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Convolvulaceae	*Ipomoea pes carpae*	Lemus-Jimenez and Ramirez (2005)
	Ipomoea wolcottiana	Bullock (1985)
	Jacquemontia multiflora	Machado et al. (2006)
	Merremia aegyptia	Machado et al. (2006)
Cornaceae	*Cornus canadensis*	Barrett and Helenurm (1987)
	Corokia cotoneaster	Webb (1994)
Costaceae	*Costus malortieanus*	Grove (1985)
	Costus pulverulentus	Grove (1985)
Crassulaceae	*Kalanchoe daigremontiana*	Jaimes and Ramirez (1999)
	Kalanchoe pinnata	Jaimes and Ramirez (1999)
Cunoniaceae	*Caldcluvia paniculata*	Riveros et al. (1996)
	Eucryphia cordifolia	Riveros et al. (1996)
Cupressaceae	*Thuja plicata*	O'Connell and Ritland (2005)
Cyclanthaceae	*Asplundia fendlerii*	Ramirez and Seres (1994)
	Asplundia moritziana	Ramirez and Seres (1994)
	Evodianthus funifer	Ramirez and Seres (1994)
Cyperaceae	*Carex arctata*	Friedman and Barrett (2009)
	Carex bigelowii	Stenstrom (1999)
	Carex hirtifolia	Friedman and Barrett (2009)
	Carex laxiflora	Friedman and Barrett (2009)
	Carex pedunculata	Friedman and Barrett (2009)
	Carex pensylvanica	Friedman and Barrett (2009)
	Carex plantaginea	Friedman and Barrett (2009)
	Carex scabrata	Friedman and Barrett (2009)
	Rhynchospora barbata	Ramirez and Brito (1990)
	Rhynchospora velutina	Ramirez and Brito (1990)
	Scleria latifolia	Ramirez and Seres (1994)
Cyrillaceae	*Cyrilla racemiflora*	Dute et al. (2004)
Desfontainiaceae	*Desfontainia spinosa*	Riveros et al. (1996)
Dilleniaceae	*Curatella americana*	Bawa (1974)
	Davilla elliptica	Oliveira and Gibbs (2000)
Dipsacaceae	*Knautia arvensis*	Vange (2002)
Dipterocarpaceae	*Dipterocarpus oblongifolius*	Bawa (1998)
	Dipterocarpus tempehes	Kenta et al. (2002)
	Shorea acuminata	Bawa (1998)
	Shorea cordifolia	Bawa (1998), Stacy (2001)
	Shorea disticha	Bawa (1998)
	Shorea hemsleyana	Bawa (1998)
	Shorea lepidota	Bawa (1998)
	Shorea leprosula	Bawa (1998)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Dipterocarpaceae	*Shorea macroptera*	Bawa (1998)
	Shorea ovalis	Bawa (1998)
	Shorea robusta	Atluri et al. (2004)
	Shorea siamensis	Ghazoul et al. (1998)
	Shorea splendida	Bawa (1998)
	Shorea trapezifolia	Bawa (1998)
Droseraceae	*Drosera granduligera*	Chen et al. (1997)
	Drosera macrantha	Chen et al. (1997)
	Drosera manniana	Chen et al. (1997)
	Drosera nitidula	Chen et al. (1997)
	Drosera pulchella	Chen et al. (1997)
	Drosera rosulata	Chen et al. (1997)
	Drosera stolonifera	Chen et al. (1997)
	Drosera tubaestylis	Chen et al. (1997)
	Drosophyllum lusitanicum	Ortega-Olivencia et al. (1998)
Ericaceae	*Acrotriche serrulata*	Schneemilch and Steggles (2010)
	Andromeda polifolia	Froborg (1996)
	Calluna vulgaris	Mahy and Jacquemart (1998), Mahy and Jacquemart (1999)
	Chimaphila umbellata	Barrett and Helenurm (1987)
	Erica andevalensis	Aparicio and Garcia-Martin (1996)
	Gaylussacia baccata	Rathcke (1988)
	Gaylussacia frondata	Rathcke (1988)
	Kalmia angustifola	Rathcke (1988)
	Ledum groendlanicum	Wheelwright et al. (2006)
	Lyonia latifolia	Rathcke (1988)
	Phyllodoce aleutica	Kudo and Kasagi (2005)
	Phyllodoce caerulea	Kudo and Kasagi (2005)
	Prionotes cerinthoides	Johnson et al. (2010)
	Pyrola secunda	Barrett and Helenurm (1987)
	Rhododendron canadense	Wheelwright et al. (2006)
	Rhododendron championiae	Ng and Corlett (2000)
	Rhododendron farrerae	Ng and Corlett (2000)
	Rhododendron hongkongense	Ng and Corlett (2000)
	Rhododendron ligustrina	Rathcke (1988)
	Rhododendron moulmainense	Ng and Corlett (2000)
	Rhododendron ponticum	Stout (2007)
	Rhododendron prinophyllum	Padrutt et al. (1992)
	Rhododendron simiarum	Ng and Corlett (2000)
	Rhododendron simsii	Ng and Corlett (2000)
	Satyria warszewiczii	Wesselingh et al. (1999)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Ericaceae	*Vaccinium angustifolium*	Usui et al. (2005), Hokanson and Hancock (2000)
	Vaccinium ashei	Brevis et al. (2006)
	Vaccinium corymbosum	MacKenzie (1997), Ehlenfeldt (2001), Hokanson and Hancock (2000), Dogterom et al. (2000)
	Vaccinium macrocarpon	Sarracino and Vorsa (1991)
	Vaccinium myrtilloides	Usui et al. (2005), Hokanson and Hancock (2000)
	Vaccinium myrtillus	Nuortila et al. (2002), Froborg (1996), Jacquemart and Thompson (1996)
	Vaccinium oxycoccos	Froborg (1996)
	Vaccinium uliginosum	Jacquemart and Thompson (1996), Froborg (1996)
	Vaccinium vitis idaea	Froborg (1996), Nuortila et al. (2002), Jacquemart and Thompson (1996)
Erythroxylaceae	*Erythroxylum suberosum*	Oliveira and Gibbs (2000)
	Erythroxylum tortuosum	Oliveira and Gibbs (2000)
Escalloniaceae	*Escallonia myrtoidea*	Valdivia and Niemeyer (2006)
Euphorbiaceae	*Caperonia palustris*	Ramirez and Brito (1990)
	Chamaesyce mesembrianthemifolia	Lemus-Jimenez and Ramirez (2005)
	Cnidoscolus urens	Lemus-Jimenez and Ramirez (2005)
	Croton flavens	Lemus-Jimenez and Ramirez (2005)
	Croton hirtus	Ramirez and Brito (1990)
	Croton lobatus	Lemus-Jimenez and Ramirez (2005)
	Croton punctuatus	Lemus-Jimenez and Ramirez (2005)
	Croton sonderianus	de Lima Leite and Machado (2010)
	Dysopsis glechomoides	Riveros et al. (1996)
	Jatropha curcas	Pinto Juhasz et al. (2009)
	Jatropha gossipifolia	Lemus-Jimenez and Ramirez (2005)
	Jatropha gossypifolia	Machado et al. (2006)
	Jatropha mollissima	Machado et al. (2006)
	Jatropha mutabilis	Machado et al. (2006)
	Phyllanthus nirui	Jaimes and Ramirez (1999)
Fabaceae	*Acacia aroma*	Morales and Galetto (2003)
	Acacia auriculiformis	Sedgley et al. (1992)
	Acacia constricta	Wagner (2000)
	Acacia macracantha	Ruiz-Zapata and Arroyo (1978)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Fabaceae	*Acacia mangium*	Sedgley et al. (1992)
	Acacia mearnsii	Kenrick and Knox (1989)
	Acacia myrtifolia	Kenrick and Knox (1989)
	Acacia paradoxa	Kenrick and Knox (1989)
	Acacia praecox	Aizen and Feinsinger (1994)
	Acacia pycnantha	Kenrick and Knox (1989)
	Acacia retinoides	Bernhardt et al. (1984), Kenrick and Knox (1989)
	Acacia senegal	Tandon et al. (2001)
	Acacia terminalis	Kenrick and Knox (1989)
	Acacia tortilis	Tybirk (1993)
	Acacia ulcifolia	Kenrick and Knox (1989)
	Adesmia bicolor	Tedesco et al. (2000)
	Adesmia montana	Arroyo and Uslar (1993)
	Adesmia mucronata	Arroyo and Uslar (1993)
	Adesmia muricata	Tedesco et al. (2000)
	Adesmia punctata	Tedesco et al. (2000)
	Adesmia riograndensis	Tedesco et al. (2000)
	Adesmia tristis	Tedesco et al. (2000)
	Aeschynomene pretensis	Ramirez and Brito (1990)
	Anadenanthera falcata	Saraiva et al. (1996)
	Astragalus linifolius	Lloyd and Schoen (1992)
	Astragalus lonchocarpus	Lloyd and Schoen (1992)
	Astragalus pectinatus	Lloyd and Schoen (1992)
	Bauhinia championii	Lau et al. (2009)
	Bauhinia cheilantha	de Lima Leite and Machado (2010)
	Bauhinia corymbosa	Lau et al. (2009)
	Bauhinia glauca	Lau et al. (2009)
	Bauhinia ungulata	Bawa (1974), Ramirez et al. (1984)
	Butea monosperma	Tandon et al. (2003)
	Caesalpina gilliesi	Aizen and Feinsinger (1994)
	Caesalpinia bahamensis	Borges et al. (2009)
	Caesalpinia caladenia	Bullock (1985)
	Caesalpinia calycina	Machado et al. (2006)
	Caesalpinia coriana	Bullock (1985)
	Caesalpinia crista	Borges et al. (2009)
	Caesalpinia decapetala	Rambuda and Johnson (2004)
	Caesalpinia echinata	Borges et al. (2009)
	Caesalpinia eriostachys	Bawa (1974), Bullock (1985)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Fabaceae	*Caesalpinia gilliesii*	Morales and Galetto (2003)
	Caesalpinia peltophoroides	Borges et al. (2009)
	Caesalpinia pulcherrima	Bullock (1985)
	Caesalpinia pyramidalis	Borges et al. (2009)
	Caesalpinia sclerocarpa	Bullock (1985)
	Calliandra laxa	Ruiz-Zapata and Arroyo (1978)
	Carmichaelia williamsii	Newstrom and Robertson (2005)
	Cassia aphylla	Aizen and Feinsinger (1994)
	Cassia fasiculata	Martin and Lee (1993)
	Cercidium australe	Aizen and Feinsinger (1994)
	Cercidium praecox	Lemus-Jimenez and Ramirez (2005)
	Chamaecrista cytisoides	Machado et al. (2006)
	Chamaecrista desvauxii	Costa et al. (2007)
	Chamaecrista nictitans	Jaimes and Ramirez (1999)
	Chamaecrista ramosa	Machado et al. (2006)
	Crotolaria incana	Lemus-Jimenez and Ramirez (2005)
	Crotolaria sp	Lemus-Jimenez and Ramirez (2005)
	Cytisus multiflorus	Rodriguez-Riano et al. (2004)
	Cytisus striatus	Rodriguez-Riano et al. (1999)
	Dalbergia miscolobium	Gibbs and Sassaki (1998)
	Dalbergia retusa	Bawa (1974)
	Dalea carthagenensis	Jaimes and Ramirez (1999)
	Daviesia mimosoides	Young and Brown (1998)
	Daviesia suaveolens	Young and Brown (1998)
	Derris ovalifolia	Nayak and Davidar (2010)
	Desmodium barbatum	Ramirez and Brito (1990)
	Desmodium canum	Jaimes and Ramirez (1999)
	Dillwynia tenuifolia	Rymer et al. (2002)
	Dipteryx panamensis	Bawa et al. (1985)
	Enterolobium cyclocarpum	Bawa (1974)
	Erithrina mitis	Jaimes and Ramirez (1999)
	Erythrina chiapasana	Neill (1988)
	Erythrina falcata	Etcheverry and Aleman (2005)
	Erythrina fusca	Neill (1988)
	Erythrina goldmanii	Neill (1988)
	Erythrina gutemalensis	Neill (1988)
	Faidherbia albida	Gassama-Dia et al. (2003)
	Gliricidia sepium	Machado et al. (2006)
	Hymenaea courbaril	Bawa (1974)
	Hymenaea stigonocarpa	Oliveira et al. (2004)
	Inga brenesii	Koptur (1984)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Fabaceae	*Inga densiflora*	Koptur (1984)
	Inga mortoniana	Koptur (1984)
	Inga oerstediana	Koptur (1984)
	Inga punctata	Koptur (1984)
	Lonchocarpus costaricensis	Bawa (1974)
	Lonchocarpus eriocarinalis	Bullock (1985)
		Bawa (1974)
	Lonchocarpus guatemalensis	Bullock (1985)
	Lonchocarpus lanceolatum	Bullock (1985)
	Lonchocarpus sp Nov	Bullock (1985)
	Lonchocarpus sp	Bawa et al. (1985)
	Lotus corniculatus	Stephenson and Winsor (May, 1986)
	Lupinus arboreus	Kittelson and Maron (2000)
	Lysiloma microphylla	Bullock (1985)
	Medicago sativa	Lemus-Jimenez and Ramirez (2005)
	Mimosa albida	Jaimes and Ramirez (1999)
	Mimosa camporum	Ramirez and Brito (1990)
	Mimosa detinens	Aizen and Feinsinger (1994)
	Ononis masquillierii	Vivarelli et al. (2011)
	Parkinsonia aculeata	de Lima Leite and Machado (2010)
	Pentaclethra macroloba	Bawa et al. (1985)
	Piptadenia obliqua	Bullock (1985)
	Piscidia carthagenesis	Bawa (1974)
	Pithecellobium dulce	Lemus-Jimenez and Ramirez (2005)
	Pithecellobium gigantifolium	Bawa et al. (1985)
	Pithecolobium saman	Bawa (1974)
	Poeppigia procera	Bullock (1985)
	Prosopis alba	Morales and Galetto (2003)
	Prosopis juliflora	Lemus-Jimenez and Ramirez (2005)
	Prosopis nigra	Aizen and Feinsinger (1994)
	Pterocarpus rohrii	Bawa (1974)
	Pterocarpus santalinus	Rao and Raju (2002)
	Pterodon emarginatus	Oliveira and Gibbs (2000)
	Retama sphaerocarpa	Rodriguez-Riano et al. (1999)
	Rhynchosia edulis	Morales and Galetto (2003)
	Rhynchosia minima	Lemus-Jimenez and Ramirez (2005)
	Sclerolobium paniculatum	Oliveira and Gibbs (2000)
	Senna didymobotrya	Rambuda and Johnson (2004)
	Senna martiana	de Lima Leite and Machado (2010)
	Senna occidentalis	Lemus-Jimenez and Ramirez (2005)
	Senna spectabilis	de Lima Leite and Machado (2010)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Fabaceae	*Sesbania goetzei*	Heering (1994)
	Sesbania punicea	Rambuda and Johnson (2004)
	Sesbania sesban	Heering (1994)
	Suriana maritima	Lemus-Jimenez and Ramirez (2005)
	Swartzia simplex	Bawa et al. (1985)
	Tephrosia cinerea	Lemus-Jimenez and Ramirez (2005)
	Trifolium alexandrinum	Roy et al. (2005)
	Trifolium polymorphum	Real et al. (2007)
	Trifolium pratense	Leduc et al. (1990)
	Trifolium repens	Leduc et al. (1990)
Fagaceae	*Nothofagus dombeyi*	Riveros et al. (1995)
	Nothofagus nitida	Riveros et al. (1995)
	Nothofagus obliqua	Riveros et al. (1995)
	Quercus ilex	Boavida et al. (2001), Yacine and Bouras (1997)
	Quercus suber	Boavida et al. (2001)
Gentianaceae	*Frasera caroliniensis*	Lloyd and Schoen (1992)
	Gentiana pneumonanthe	Petanidou et al. (1995), Petanidou et al. (2001)
	Sabatia kennedyana	Hill et al. (2006)
	Schultesia brachyptera	Ramirez and Brito (1990)
	Sebaea grandis	Wolfe et al. (2009)
	Villarsia lasiosperma	Ornduff (1992)
Geraniaceae	*Geranium berterianum*	Arroyo and Uslar (1993)
	Geranium maculatum	Chang (2007)
	Viviana marifolia	Arroyo and Uslar (1993)
Gesneriaceae	*Asteranthera ovata*	Riveros et al. (1996)
	Besleria columneoides	Grove (1985)
	Besleria robusta	Grove (1985)
	Columnea magnifica	Bush and Beach (1995)
	Columnea microcalyx	Bush and Beach (1995)
	Columnea purpurata	Grove (1985)
	Drymonia conchocalyx	Bush and Beach (1995)
	Drymonia rubra	Bush and Beach (1995)
	Mitraria coccinea	Riveros et al. (1996)
	Saintpaulia confusa	Kolehmainen and Mutikainen (2006)
	Sinningia sp	Ramirez and Brito (1990)
	Titanotrichum oldhamii	Wang et al. (2004)
Goodeniaceae	*Scaevola plumieri*	Lemus-Jimenez and Ramirez (2005)
Gunneraceae	*Gunnera tinctoria*	Riveros et al. (1996)
Hyacinthaceae	*Eucomis autumnalis*	Shuttleworth and Johnson (2009)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Hyacinthaceae	*Eucomis comosa*	Shuttleworth and Johnson (2009)
Hydrangeaceae	*Hydrangea paniculata*	Reed (2004)
	Hydrangea quercifolia	Reed (2004)
Hypericaceae	*Hypericum cumulicola*	Evans et al. (2003)
	Vismia baccifera	Sobrevila and Arroyo (1982)
Iridaceae	*Crocus thomasii*	Chichiricco (1993)
	Crocus vernus	Chichiricco (1993), Chichiricco (1990)
	Dierama dracomontanum	Johnson et al. (2009)
	Dierama luteoalbidum	Johnson et al. (2009)
	Gladiolus longicollis	Johnson et al. (2009)
	Iris bismarckiana	Segal et al. (2006)
	Iris cristata	Motten (1986)
	Iris haynei	Sapir et al. (2005)
	Iris hermona	Sapir et al. (2005)
	Iris versicolor	Kron et al. (1993), Wheelwright et al. (2006)
	Sisyrinchium philipii	Arroyo and Uslar (1993)
	Tritonia disticha	Johnson et al. (2009)
	Watsonia lepida	Johnson et al. (2009)
Lamiaceae	*Dicerandra frutescens*	Evans et al. (2004)
	Gmelina arborea	Raju and Rao (2006)
	Hyptis conferta	Ramirez and Brito (1990)
	Hyptis dilatata	Ramirez and Brito (1990)
	Monarda fistulosa	Cruden et al. (1984)
	Rosmarinus officinalis	Hidalgo and Ubera (2001)
	Salvia brandegeei	Barrett et al. (2000)
	Salvia coccinea	Jaimes and Ramirez (1999)
	Stachys albicaulis	Arroyo and Uslar (1993)
	Tectona grandis	Tangmitcharoen and Owens (1997)
Lardizabalaceae	*Akebia quinata*	Kawagoe and Suzuki (2005)
Lentibulariaceae	*Urticaria praetermissa*	Bush and Beach (1995)
Liliaceae	*Blandfordia grandiflora*	Ramsey et al. (1993), Ramsey (1995)
	Convallaria keiskei	Araki et al. (2005)
	Curculigo latifolia	Okubo et al. (2010)
	Dianella revoluta	Duncan et al. (2004)
	Erythronium umbilicatum	Motten (1986)
	Hyancynthoides non scripta	Corbet (1998)
	Leucocoryne coquimbensis	Mansur et al. (2004)
	Leucocoryne ixioides	Arroyo and Uslar (1993)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Liliaceae	*Leucocoryne purpurea*	Mansur et al. (2004)
	Lilium formosanum	Rambuda and Johnson (2004)
	Maianthemum canadense	Barrett and Helenurm (1987), Wheelwright et al. (2006)
	Medeola virginiana	Barrett and Helenurm (1987)
	Smilacina stellata	Wheelwright et al. (2006)
	Smilacina trifolia	Wheelwright et al. (2006)
	Uvularia sessifolia	Motten (1986)
Loasaceae	*Loasa acerifolia*	Riveros et al. (1996)
	Loasa heterophylla	Arroyo and Uslar (1993)
Loranthaceae	*Alepis flavida*	Ladley et al. (1997)
	Ligaria cuneifolia	Aizen and Feinsinger (1994)
	Peraxilla colensoi	Robertson et al. (1999)
	Peraxilla tetrapetala	Robertson et al. (1999)
	Tristerix corymbosus	Aizen (2005)
Lythraceae	*Cuphea odonnellii*	Ramirez and Brito (1990)
	Decodon verticillatus	Eckert and Barrett (1994)
	Heimia salicifolia	Morales and Galetto (2003)
	Lagerstroemia indica	Pounders et al. (2006)
	Lythrum salicaria	Oneil (1994), Mal et al. (1999)
Magnoliaceae	*Magnolia grandiflora*	Allain et al. (1999)
	Magnolia obovata	Ishida et al. (2003)
	Magnolia stellata	Hirayama et al. (2007), Hirayama et al. (2005)
Malpighiaceae	*Banisteriopsis adenopoda*	Sigrist and Sazima (2004)
	Banisteriopsis muricata	Ruiz-Zapata and Arroyo (1978), Sigrist and Sazima (2004)
	Brysonima coccolobifolia	Oliveira and Gibbs (2000)
	Brysonima crassifolia	Bawa (1974)
	Brysonima verbascifolia	Oliveira and Gibbs (2000)
	Byrsonima coccolobifolia	Saraiva et al. (1996)
	Byrsonima gardneriana	Machado et al. (2006)
	Byrsonima intermedia	Saraiva et al. (1996)
	Byrsonima verbascifolia	Saraiva et al. (1996)
	Dicella bracteosa	Sigrist and Sazima (2004)
	Malpighia glabra	Bawa (1974)
	Mascagnia anisopetala	Sigrist and Sazima (2004)
	Mascagnia cordifolia	Sigrist and Sazima (2004)
	Stigmaphyllom paralias	Machado et al. (2006)
	Stigmaphyllon lalandianum	Sigrist and Sazima (2004)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Malvaceae	*Ayenia micrantha*	Bullock (1985)
	Bastardia viscosa	Lemus-Jimenez and Ramirez (2005)
	Corchorus hirsutus	Lemus-Jimenez and Ramirez (2005)
	Cristaria dissecta	Arroyo and Uslar (1993)
	Dombeya acutangula	Gigord et al. (1998)
	Durio sp	Lim and Luders (1998)
	Eriotheca pubescens	Oliveira and Gibbs (2000)
	Goesthalsia meiantha	Bawa et al. (1985)
	Grewia occidentalis	Zietsman (1991)
	Guazuma roupalaefolia	Ruiz-Zapata and Arroyo (1978)
	Guazuma tomentosa	Bawa (1974), Ruiz-Zapata and Arroyo (1978)
	Guazuma ulmifolia	Bullock (1985)
	Hibiscus moscheutos	Snow and Spira (1991)
	Hibiscus rosa sinesis	Krabel (1991)
	Hibiscus trionum	Seed et al. (2006)
	Luehea candida	Bullock (1985)
	Luehea seemannii	Lloyd and Schoen (1992), Bawa et al. (1985)
	Luehea speciosa	Bawa (1974)
	Malvastrum americanum	Lemus-Jimenez and Ramirez (2005)
	Malvastrum coromandelianum	Jaimes and Ramirez (1999)
	Melochia caracasana	Ramirez and Navarro (2010)
	Melochia crenata	Lemus-Jimenez and Ramirez (2005)
	Melochia parvifolia	Ramirez and Navarro (2010)
	Melochia tomentosa	Machado et al. (2006)
	Melochia villosa	Ramirez and Brito (1990)
	Ochroma pyramidale	Bawa (1974), Bawa et al. (1985)
	Pavonia martii	Machado et al. (2006)
	Physodium corymbosum	Bullock (1985)
	Sida rhombifolia	McMullen (1987)
	Sida spinosa	Jaimes and Ramirez (1999)
	Theobroma grandiflorum	Alves et al. (2003)
	Theobroma speciosum	de Souza and Venturieri (2010)
	Triumfetta semitriloba	Collevatti et al. (1997)
	Waltheria americana	Lemus-Jimenez and Ramirez (2005)
	Waltheria rotundifolia	Machado et al. (2006)
Marantaceae	*Calathea lasiostachya*	Grove (1985)
	Calathea maranifolia	Grove (1985)
	Calathea sp	Ramirez and Seres (1994)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Marantaceae	*Stromanthe jacquinii*	Ramirez and Seres (1994)
	Stromanthe tonckat	Ramirez and Seres (1994)
Mayacaceae	*Mayaca sellowiana*	Ramirez and Brito (1990)
Melanthiaceae	*Trillium erectum*	Sage et al. (2001)
	Trillium grandiflorum	Sage et al. (2001), Steven et al. (2003)
	Trillium reliquum	Heckel and Leege (2007)
	Trillium recurvatum	Sawyer (2010)
	Trillium undulatum	Barrett and Helenurm (1987)
Melastomataceae	*Blakea anomala*	Lumer (2000)
	Blakea gracilis	Lumer (2000)
	Clidemia capitellata	Ramirez and Brito (1990)
	Comolia microphylla	Hokche and Ramirez (2008)
	Desmoscelis villosa	Ramirez and Brito (1990)
	Eriocnema fulva	Andrade et al. (2007)
	Graffenrieda latifolia	Sobrevila and Arroyo (1982)
	Leandra lacunosa	Goldenberg and Shepherd (1998)
	Leandra subseriata	Wesselingh et al. (1999)
	Marcetia taxifolia	Hokche and Ramirez (2008)
	Meriania sclerophyla	Hokche and Ramirez (2008)
	Miconia alata	Hokche and Ramirez (2008)
	Miconia discolor	Borges (1991)
	Miconia elegans	Borges (1991)
	Miconia langsdorffii	Goldenberg and Shepherd (1998)
	Miconia ligustroides	Goldenberg and Shepherd (1998)
	Miconia minutiflora	Goldenberg and Shepherd (1998)
	Miconia pepericarpa	Goldenberg and Shepherd (1998)
	Miconia rubiginosa	Goldenberg and Shepherd (1998)
	Miconia stenostachya	Baumgratz and de (1989)
	Miconia stephananthera	Ramirez and Brito (1990)
	Miconia theaezans	Borges (1991)
	Pterolepis glomerata	Ramirez and Brito (1990)
	Tibouchina fraterna	Hokche and Ramirez (2008)
	Tibouchina stenocarpa	Goldenberg and Shepherd (1998)
	Tococa guianensis	Hokche and Ramirez (2008)
	Tococa nitens	Hokche and Ramirez (2008)
	Topobea branesii	Lumer (2000)
Meliaceae	*Walsura trifolia*	Nayak and Davidar (2010)
Memecylaceae	*Memecylon umbellatum*	Nayak and Davidar (2010)
Menyanthaceae	*Menyanthes trifoliata*	Thompson et al. (1998)
	Nymphoides peltata	Wang et al. (2005)
Mimosaceae	*Acacia sinuata*	Raju and Rao (2002)
Moraceae	*Ficus aurea*	Hossaert-McKey and Bronstein (2001)
Musaceae	*Heliconia acuminata*	Ramirez and Seres (1994)
	Heliconia psittacorum	Ramirez and Brito (1990)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Musaceae	*Heliconia revoluta*	Ramirez and Seres (1994)
Myrsinaceae	*Anagallis monelli*	Gibbs and Talavera (2001), Talavera et al. (2001)
	Ardisia nigropunctata	Bawa et al. (1985)
	Ardisia revoluta	Bawa (1974)
	Cyclamen persicum	Schwartz-Tzachor et al. (2008)
	Jacquinia aristata	Lemus-Jimenez and Ramirez (2005)
Myrtaceae	*Amomyrtus luma*	Riveros et al. (1996)
	Blepharocalyx salicifolius	Proença and Gibbs (1994)
	Campomanesia cambessidiana	Saraiva et al. (1996)
	Campomanesia pubescens	Proença and Gibbs (1994)
	Campomanesia velutina	Proença and Gibbs (1994)
	Eucalyptus argutifolia	Kennington and James (1997)
	Eucalyptus camaldulensis	Rambuda and Johnson (2004)
	Eucalyptus cladocalyx	Ellis and Sedgley (1992)
	Eucalyptus globulus	Hardner and Potts (1995), Pound et al. (2002b), Pound et al. (2002a)
	Eucalyptus grandis	Horsley and Johnson (2007)
	Eucalyptus leptophylla	Ellis and Sedgley (1992)
	Eucalyptus nitens	Pound et al. (2003)
	Eucalyptus platypus	Wallwork and Sedgley (2005)
	Eucalyptus spathulata	Wallwork and Sedgley (2005), Ellis and Sedgley (1992)
	Eucalyptus urophylla	Horsley and Johnson (2007)
	Eugenia bracteata	Nayak and Davidar (2010)
	Eugenia dysenterica	Proença and Gibbs (1994)
	Eugenia virgultosa	Tanner (1982)
	Kunzea pomifera	Page et al. (2010)
	Luma apiculata	Riveros et al. (1996)
	Melaleuca alternifolia	Baskorowati et al. (2010)
	Metrosideros excelsa	Schmidt-Adam et al. (1999)
	Myrceugenia planipes	Riveros et al. (1996)
	Myrica fallax	Sobrevila and Arroyo (1982)
	Myrica linearifolia	Proença and Gibbs (1994)
	Myrica rhodosepala	Proença and Gibbs (1994)
	Psidium firmum	Proença and Gibbs (1994)
	Psidium sartorianum	Bullock (1985)
	Siphoneugena densiflora	Proença and Gibbs (1994)
	Syzygium cormiflorum	Lloyd and Schoen (1992)
	Syzygium rubicundum	Stacy (2001)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Myrtaceae	*Thryptomene calycina*	Beardsell et al. (1993)
	Ugni molinae	Seguel et al. (1999)
Nyctaginaceae	*Abronia ammophila*	Saunders and Sipes (2006)
	Abronia macrocarpa	Williamson et al. (1994)
	Commicarpus tuberosus	McMullen (1987)
	Mirabilis violaceae	Jaimes and Ramirez (1999)
Ochnaceae	*Ouratea hexasperma*	Oliveira and Gibbs (2000)
	Sauvagesia rubiginosa	Ramirez and Brito (1990)
Olacaceae	*Ximenia americana*	Ruiz-Zapata and Arroyo (1978)
Oleaceae	*Jasminium fruticans*	Guitian et al. (1998)
	Olea europaea	Ateyyeh et al. (2000)
	Phyllirea angustifolia	Vassiliadis et al. (2000)
Onagraceae	*Calylophus serrulatus*	Heiser and Shaw (2006)
	Clarkia gracilis	Jones (1994)
	Clarkia unguiculata	Travers and Mazer (2000)
	Epilobium angustifolium	Husband and Schemske (1995)
	Epilobium obcordatum	Seavey and Carter (1994)
	Gaura lindheimeri	Peters and Anderson (2006)
	Ludwigia nervosa	Ramirez and Brito (1990)
	Oenothera affinis	Morales and Galetto (2003)
	Oenothera albicaulis	Theiss et al. (2010)
	Oenothera biennis	Rambuda and Johnson (2004)
	Oenothera californica	Theiss et al. (2010)
	Oenothera coronopifolia	Theiss et al. (2010)
	Oenothera engelmannii	Theiss et al. (2010)
	Oenothera neomexicana	Theiss et al. (2010)
	Oenothera nuttallii	Theiss et al. (2010)
	Oenothera pallida subsp. Latifolia	Theiss et al. (2010)
	Oenothera pallida subsp. Pallida	Theiss et al. (2010)
	Oenothera pallida subsp. Runcinata	Theiss et al. (2010)
	Oenothera pallida subsp. Trichocalyx	Theiss et al. (2010)
	Oenothera rosea	Morales and Galetto (2003)
Orchidaceae	*Aerangis ellisii*	Nilsson and Rabakonandrianina (1988)
	Anathallis heterophylla	Gontijo et al. (2010)
	Anathallis microphyta	Gontijo et al. (2010)
	Anathallis rubens	Gontijo et al. (2010)
	Anathallis sclerophylla	Gontijo et al. (2010)
	Angraecum cadetii	Micheneau et al. (2010)
	Bulbophyllum involutum	Borba et al. (1999)
	Bulbophyllum ipanemense	Borba et al. (1999)
	Bulbophyllum weddellii	Borba et al. (1999)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Orchidaceae	*Calopogon tuberosus*	Lloyd and Schoen (1992)
	Cattleya elongata	Smidt et al. (2006)
	Cattleya tenuis	Smidt et al. (2006)
	Caulophyllum thalictroides	Hannan and Prucher (1996)
	Ceiba pentandra	Gribel et al. (1999)
	Chloraea lamellata	Lehnebach and Riveros (2003)
	Cypripedium acaule	Barrett and Helenurm (1987)
	Cypripedium fasciculatum	Lipow et al. (2002)
	Cyrtopodium punctatum	Jaimes and Ramirez (1999)
	Earina aestivalis	Lehnebach and Robertson (2004)
	Earina autumnalis	Lehnebach and Robertson (2004)
	Earina mucronata	Lehnebach and Robertson (2004)
	Encyclica cordigera	Lloyd and Schoen (1992)
	Epidendrum obesum	Bush and Beach (1995)
	Eulophia foliosa	Peter and Johnson (2006)
	Eulophia welwitschii	Peter and Johnson (2009)
	Gavilea araucana	Valdivia et al. (2010)
	Gavilea venosa	Valdivia et al. (2010)
	Govenia fasciata	Ramirez and Seres (1994)
	Govenia urticulata	Ramirez and Seres (1994)
	Habenaria monorrhiza	McMullen (1987)
	Isotria medeoloides	Vitt and Campbell (1997)
	Lepanthes rubripetala	Tremblay et al. (2006)
	Lepanthes rupestris	Tremblay et al. (2006)
	Lepanthes woodburyana	Tremblay et al. (2006)
	Liparis kumokiri	Oh et al. (2001)
	Liparis makinoana	Oh et al. (2001)
	Listera cordata	Melendez-Ackerman and Ackerman (2001)
	Nervilia nipponica	Gale (2007)
	Octomeria crassifolia	Barbosa et al. (2009)
	Octomeria grandiflora	Barbosa et al. (2009)
	Octomeria praestans	Barbosa et al. (2009)
	Platanthera ciliaris	Lloyd and Schoen (1992)
	Platanthera leucophaea	Wallace (2002)
	Platanthera stricta	Lloyd and Schoen (1992)
	Pleurothallis adamantinensis	Borba et al. (2001)
	Pleurothallis cardiothallis	Bush and Beach (1995)
	Pleurothallis fabiobarrosii	Borba et al. (2001)
	Pleurothallis johannensis	Borba et al. (2001)
	Pleurothallis ochreata	Borba et al. (2001)
	Pleurothallis teres	Borba et al. (2001)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Orchidaceae	*Pterostylis alobula*	Newstrom and Robertson (2005)
	Pterostylis patens	Newstrom and Robertson (2005)
	Satyrium longicauda	Johnson et al. (2009)
	Sobralia amabilis	Bush and Beach (1995)
	Thelymitra longifolia	Newstrom and Robertson (2005)
	Winka cunninghamii	Lehnebach and Robertson (2004)
Orobanchaceae	*Agalinis auriculata*	Mulvaney et al. (2004)
Oxalidaceae	*Oxalis magellanica*	Riveros et al. (1996)
	Oxalis montana	Barrett and Helenurm (1987)
	Oxalis squamata	Marco and Arroyo (1998)
Paeoniaceae	*Paeonia broteroi*	Sanchez-Lafuente et al. (1999)
	Paeonia californica	Lloyd and Schoen (1992)
	Paeonia jishanensis	Zhou et al. (1999)
Papaveraceae	*Argemone aurantiaca*	Lloyd and Schoen (1992)
	Sanguinaria canadensis	Motten (1986)
Passifloraceae	*Passiflora foetida1*	Lemus-Jimenez and Ramirez (2005)
	Passiflora foetida2	McMullen (1987)
	Passiflora gracilis	Darwin (1868)
Philesiaceae	*Luzuriaga radicans*	Riveros et al. (1996)
Phytolaccaceae	*Ercilla sincarpellata*	Riveros et al. (1996)
Pinaceae	*Abies alba*	Kormutak (1999)
	Abies procera	Sorensen (1999)
	Pinus ponderosa	Sorensen (1999)
	Larix gmelinii	Sato (1997)
	Pinus contorta	Sorensen (2001)
	Pinus sylvestris	Karkkainen et al. (1999)
	Psuedotsuga menziesii	Sorensen (1999)
Plantaginaceae	*Angelonia bisaccata*	Machado et al. (2006)
	Angelonia cornigera	Machado et al. (2006)
	Angelonia hirta	Machado et al. (2006)
	Angelonia hookeriana	Machado et al. (2006)
	Angelonia pubescens	Machado et al. (2006)
	Antirrhimun microphyllum	Torres et al. (2002)
	Antirrhinum charidemi	Carrio et al. (2009)
	Antirrhinum subbaeticum	Carrio et al. (2009)
	Antirrhinum valentinum	Mateu-Andres and Segarra-Moragues (2004), Carrio et al. (2009)
	Calceolaria crenatiflora	Riveros et al. (1996)
	Calceolaria dentata	Riveros et al. (1996)
	Calceolaria purpurea	Arroyo and Uslar (1993)
	Calceolaria sp	Arroyo and Uslar (1993)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Plantaginaceae	*Calceolaria tenella*	Riveros et al. (1996)
	Chaenorrhinum origanifolium	Mateu and Figueres (1998)
	Chaenorrhinum tenellum	Mateu and Figueres (1998)
	Collinsia heterophylla	Lankinen et al. (2007)
	Mazus miquelii	Lloyd and Schoen (1992)
	Mimulus repens	Newstrom and Robertson (2005)
	Mimulus ringens	Karron et al. (2006)
	Nuttallanthus canadensis	Crawford and Elisens (2006)
	Nuttallanthus floridanus	Crawford and Elisens (2006)
	Nuttallanthus texanus	Crawford and Elisens (2006)
	Ourisia macrocarpa	Newstrom and Robertson (2005)
	Penstemon haydenii	Tepedino et al. (2007)
	Triphysaria versicolor	Yoder (1998)
	Zaluzianskya microsiphon	Johnson et al. (2002)
	Zaluzianskya natalensis	Johnson et al. (2002)
Plumbaginaceae	*Limonium perigrinum*	Burge and Morgan (1993)
	Plumbargo auriculata	Ferrero et al. (2009)
Poaceae	*Andropogon gerardii*	McKone et al. (1998)
	Bromus auleticus	Gutierrez et al. (2006)
	Leymus chinensis	Zhang et al. (2004)
	Nardus stricta	Kissling et al. (2006)
	Olyra latifolia	Ramirez and Seres (1994)
	Panicum virgatum	Martinez-Reyna and Vogel (2002)
	Pariana stenolemma	Ramirez and Seres (1994)
	Pennisetum ciliare	Shafer et al. (2000)
	Phragmites australis	Ishii and Kadono (2002)
	Sorghastrum nutans	McKone et al. (1998)
	Spartina alterniflora	Fang et al. (2004), Daehler (1998)
	Sporobolus virginicus	Lemus-Jimenez and Ramirez (2005)
Polemoniaceae	*Ipomopsis tenuifolia*	LaDoux and Friar (2006)
	Leptosiphon jepsonii	Goodwillie and Knight (2006)
Polygalaceae	*Bredemeyera floribunda*	Ruiz-Zapata and Arroyo (1978)
	Monnina angustifolia	Arroyo and Uslar (1993)
	Polygala caracasana	Jaimes and Ramirez (1999)
	Polygala vulgaris	Norderhaug (1995)
	Securidaca scandens	Ruiz-Zapata and Arroyo (1978)
Pontederiaceae	*Eichhornia azurea*	Bianchi et al. (2000)b, Dos Santos and Wittmann (2000), Cunha and Fischer (2009)
Portulacaceae	*Calandria grandiflora*	Arroyo and Uslar (1993)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Portulacaceae	*Calandria prostrata*	Arroyo and Uslar (1993)
	Portulaca umbraticola	Aizen (1993), Aizen and Feinsinger (1994)
Primulaceae	*Hottonia palustris*	Brys et al. (2007)
	Primula cicutariifolia	Chen (2009)
	Primula merrilliana	Chen (2009)
	Primula mistassinica	Larson and Barrett (1998)
	Primula scotica	McKee and Richards (1998)
	Primula veris	Darwin (1877)
	Trientalis borealis	Barrett and Helenurm (1987)
Proteaceae	*Banksia ericifolia*	Carthew et al. (1996)
	Banksia ilicifolia	Heliyanto et al. (2005)
	Banksia menziesii	Ramsey and Vaughton (1991)
	Banksia paludosa	Goldingay and Whelan (1990)
	Banksia spinulosa	Goldingay and Whelan (1990), Vaughton and Carthew (1993), Carthew et al. (1996)
	Banksia spinulosaneoanglica	Goldingay and Carthew (1998)
	Conospermum ellipticum	Goldingay and Carthew (1998)
	Conospermum ericifolium	Goldingay and Carthew (1998)
	Conospermum longifolium	Goldingay and Carthew (1998)
	Conospermum taxifolium	Goldingay and Carthew (1998)
	Dryandra formosa	Matthews and Sedgley (1998)
	Dryandra nivea	Goldingay and Carthew (1998)
	Dryandra quercifolia	Matthews and Sedgley (1998)
	Dryandra sessilis	Goldingay and Carthew (1998)
	Embothrium coccineum	Rovere et al. (2006), Riveros et al. (1996)
	Grevillea barklyana	Goldingay and Carthew (1998)
	Grevillea huegelii	Goldingay and Carthew (1998)
	Grevillea iaspicula	Hoebee and Young (2001)
	Grevillea lavandulacea	Goldingay and Carthew (1998)
	Grevillea linearifolia	Hermanutz et al. (1998)
	Grevillea longifolia	Hermanutz et al. (1998)
	Grevillea mucronulata	Hermanutz et al. (1998)
	Grevillea muricata	Goldingay and Carthew (1998)
	Grevillea oleoides	Hermanutz et al. (1998)
	Grevillea robusta	Kalinganire et al. (2000)
	Grevillea sphacelata	Hermanutz et al. (1998)
	Grevillea wilsonii	Goldingay and Carthew (1998)
	Grevillia robusta	Kalinganire et al. (2000)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Proteaceae	*Hakea cristata*	Goldingay and Carthew (1998)
	Hakea erinacea	Goldingay and Carthew (1998)
	Lomatia silaifolia	Denham and Whelan (2000)
	Macadamia integrifolia	Sedgley (1983)
	Persoonia glaucescens	Rymer et al. (2005)
	Persoonia juniperina	Goldingay and Carthew (1998)
	Persoonia lanceolata	Rymer et al. (2005)
	Persoonia mollis	Krauss (1994), Rymer et al. (2005)
	Persoonia rigida	Trueman and Wallace (1999)
	Roupala montana	Oliveira et al. (2004)
	Telopea speciosissima	Whelan and Goldingay (1989)
Ranunculaceae	*Aconitum balfourii*	Nautiyal et al. (2009)
	Anemone canadensis	Douglas and Cruden (1994)
	Anemone nemorosa	Muller et al. (2000)
	Anemone patens	Lindell (1998)
	Anemone pulsatilla	Lindell (1998)
	Aquilegia canadensis	Mavraganis (1998)
	Caltha palustris	Lundqvist (1992)
	Delphinium bolosii	Bosch et al. (2001)
	Delphinium cossonianum	Bosch et al. (2001)
	Delphinium emarginatum	Bosch et al. (2001)
	Delphinium fissum	Bosch et al. (2001)
	Delphinium pentagynum	Bosch et al. (2001)
	Delphinium pictum	Bosch et al. (2001)
	Delphinium staphisagria	Bosch et al. (2001)
	Delphinium sylvaticum	Bosch et al. (2001)
	Delphinium verdunense	Bosch et al. (2001)
	Hepatica americana	Motten (1986)
	Isopyrum biternatum	Lloyd and Schoen (1992)
	Ranunculus dissectifolius	Pickering (1997)
	Ranunculus graniticola	Pickering (1997)
	Ranunculus millanii	Pickering (1997)
	Ranunculus minutiflorus	Riveros et al. (1996)
	Ranunculus muelleri	Pickering (1997)
	Ranunculus niphophilus	Pickering (1997)
	Ranunculus repens	Riveros et al. (1996)
	Thalictrum clavatum	Lloyd and Schoen (1992)
Rhamnaceae	*Colletia spinosissima*	Medan and Basilio (2001)
	Condalia montana	Morales and Galetto (2003)
	Discaria americana	Medan (1993), Medan and Vasellati (1996)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Rhamnaceae	*Discaria toumatou*	Newstrom and Robertson (2005)
	Retanilla patagonica	Medan and Arce (1999)
	Talquenea quinquenervia	Arroyo and Uslar (1993)
	Ziziphus celata	Weekley and Race (2001)
	Ziziphus joazeiro	Machado et al. (2006)
Rhizophoraceae	*Rhizophora mangle*	Lemus-Jimenez and Ramirez (2005)
Rosaceae	*Cercocarpus ledifolius*	Russell et al. (1998)
	Coleogyne ramosissima	Pendleton and Pendleton (1998)
	Crataegus crus galli	Lloyd and Schoen (1992)
	Crataegus monogyna	Guitian and Fuentes (1992)
	Filipendula rubra	Aspinwall and Christian (1992)
	Geum rivale	Ruhsam et al. (2010)
	Geum urbanum	Ruhsam et al. (2010)
	Potentilla arbuscula	Bohs (2000)
	Potentilla davurica	Davidson and Lenz (1989)
	Potentilla fruticosa	Davidson and Lenz (1989)
	Potentilla glabra	Davidson and Lenz (1989)
	Potentilla parvifolia	Davidson and Lenz (1989)
	Prunus armeniaca	Burgos et al. (1993), Hajilou et al. (2006)
	Prunus dulcis	Martínez-García et al. (2011)
	Prunus geniculata	Weekley et al. (2010)
	Prunus pensylvanica	Shiell et al. (2002)
	Prunus virginiana	Shiell et al. (2002)
	Pyrus communis	Yamada et al. (1991)
	Rosa acicularis	Ueda and Akimoto (2001)
	Rosa arvensis	Ueda and Akimoto (2001)
	Rosa banksiae	Ueda and Akimoto (2001)
	Rosa bracteata	Ueda and Akimoto (2001)
	Rosa chinensis	Ueda and Akimoto (2001)
	Rosa cinnamomea	Ueda and Akimoto (2001)
	Rosa coriifolia	Ueda and Akimoto (2001)
	Rosa cymosa	Ueda and Akimoto (2001)
	Rosa eglanteria	Ueda and Akimoto (2001)
	Rosa filipes	Ueda and Akimoto (2001)
	Rosa gallica	Ueda and Akimoto (2001)
	Rosa gentiliana	Ueda and Akimoto (2001)
	Rosa gigantea	Ueda and Akimoto (2001)
	Rosa helenae	Ueda and Akimoto (2001)
	Rosa luciae	Ueda and Akimoto (2001)
	Rosa moschata	Ueda and Akimoto (2001)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Rosaceae	*Rosa multiflora*	Ueda and Akimoto (2001)
	Rosa pendulina	Ueda and Akimoto (2001)
	Rosa roxburghii	Ueda and Akimoto (2001)
	Rosa rugosa	Ueda and Akimoto (2001)
	Rosa wichurana	Ueda and Akimoto (2001)
	Rubus radicans	Riveros et al. (1996)
	Sorbus aucuparia	Pias and Guitian (2006)
	Sorbus torminalis	Rasmussen and Kollmann (2004)
Rubiaceae	*Cephalanthus occidentalis*	Imbert and Richards (1993)
	Coussarea sp	Bawa et al. (1985)
	Diodia multiflora	Ramirez and Brito (1990)
	Diodia radula	McMullen (1987)
	Exostema caribaeum	Bullock (1985)
	Faramea cyanea	Mendonça and Oliveira (2008)
	Gaertnera vaginata	Pailler and Thompson (1997)
	Guettarda scabra	Richards and Koptur (1993)
	Hamelia patens	Bawa and Beach (1983), Bawa et al. (1985)
	Hamelia versicolor	Bullock (1985)
	Hamelia xerocarpa	Bawa et al. (1985)
	Ixora pavetta	Nayak and Davidar (2010)
	Leptostigma arnottianum	Riveros et al. (1996)
	Manettia luteo rubra	Passos and Sazima (1995)
	Nertera granadensis	Riveros et al. (1996)
	Paederia foetida	Liu et al. (2006)
	Palicourea alpina	Tanner (1982)
	Palicourea angustifolia	Sobrevila and Arroyo (1982)
	Palicourea brenesii	Wesselingh et al. (1999)
	Palicourea coriaceae	Consolaro et al. (2009)
	Palicourea demissa	Valois-Cuesta et al. (2011)
	Palicourea fendleri	Sobrevila and Arroyo (1982)
	Palicourea marcgravii	Consolaro et al. (2009)
	Palicourea officinalis	Consolaro et al. (2009)
	Palicourea petiolaris	Sobrevila and Arroyo (1982)
	Palicourea rigida	Oliveira and Gibbs (2000)
	Pentanisia angustifolia	Massinga et al. (2005)
	Pentanisia prunelloides	Massinga et al. (2005)
	Posoqueria grandiflora	Bawa and Beach (1983)
	Posoqueria latifolia	Bawa et al. (1985)
	Psychotria costularia	Sobrevila and Arroyo (1982)
	Psychotria faxlucens	Perez-Barrales et al. (2006)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Rubiaceae	*Psychotria poeppigiana*	Coelho and Barbosa (2004)
	Putoria calcabrica	Ortiz et al. (2000)
	Relbunium hypocarpium	Arroyo and Uslar (1993)
	Rudgea cornifolia	Bawa et al. (1985)
	Tarenna asiatica	Nayak and Davidar (2010)
	Tocoyena formosa	Saraiva et al. (1996)
	Warszewiczia coccinea	Bawa and Beach (1983), Bawa et al. (1985)
Rutaceae	*Citrus paradisi*	Chacoff and Aizen (2007)
	Glycosmis pentaphylla	Nayak and Davidar (2010)
	Zieria adenodonta	Armstrong (2002)
	Zieria arborescens	Armstrong (2002)
	Zieria aspalathoides	Armstrong (2002)
	Zieria laevigata	Armstrong (2002)
	Zieria robusta	Armstrong (2002)
Salicaceae	*Azara lanceolata*	Riveros et al. (1996)
	Casearea arborea	Bawa et al. (1985)
	Casearea corymbosa	Bawa et al. (1985), Bullock (1985)
	Casearea tremula	Bullock (1985)
	Prockia crucis	Bullock (1985)
	Prockia flava	Ruiz-Zapata and Arroyo (1978)
Santalaceae	*Santalum album*	Rugkhla et al. (1997)
	Santalum spicatum	Rugkhla et al. (1997)
Sapindaceae	*Lepisanthes tetraphylla*	Nayak and Davidar (2010)
	Urvillea ulmacea	Ruiz-Zapata and Arroyo (1978)
Sapotaceae	*Argania spinosa*	Nerd et al. (1998)
	Manilkara zapota	Bawa (1974)
	Sideroxylon obtusifolium	de Lima Leite and Machado (2010)
Saxifragaceae	*Chrysosplenium valdivicum*	Riveros et al. (1996)
	Escallonia rosea	Riveros et al. (1996)
	Escallonia rubra	Riveros et al. (1996)
	Saxifraga cernua	Brochmann and Hapnes (2001)
	Saxifraga hyperborea	Brochmann and Hapnes (2001)
	Saxifraga rivularis	Brochmann and Hapnes (2001)
	Saxifraga stellaris	Sandvik et al. (1999)
	Saxifraga svalbardensis	Brochmann and Hapnes (2001)
	Tellima grandiflora	Weiblen and Brehm (1996)
	Tiarella cordifolia	Motten (1986)
	Tolmeia menziesii	Weiblen and Brehm (1996)
Scrophulariaceae	*Capraria biflora*	Lemus-Jimenez and Ramirez (2005)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Simaroubaceae	*Castela erecta*	Lemus-Jimenez and Ramirez (2005)
Smilacaceae	*Smilax viscosum*	Rathcke (1988)
Solanaceae	*Acnistus arborescens*	Smith and Baum (2007)
	Anisodus tanguticus	Duan et al. (2007)
	Benthamiella nordenskjoldii	Arroyo and Squeo (1990)
	Brachistus stramonifolius	Sousa-Pena (2001)
	Browalia americana	Igić, B. *unpub. data*
	Capsicum annuum	Roldan Serrano and Guerra-Sanz (2006)
	Capsicum frutescens	McMullen (1987)
	Cestrum bigibbosum	Castro-Laportte and Ruiz-Zapata (2000)
	Cestrum magalophyllum	Castro-Laportte and Ruiz-Zapata (2000)
	Cestrum microcalyx	Castro-Laportte and Ruiz-Zapata (2000)
	Cestrum parqui	Morales and Galetto (2003)
	Cestrum potaliifolium	Castro-Laportte and Ruiz-Zapata (2000)
	Cestrum salicifolium	Castro-Laportte and Ruiz-Zapata (2000)
	Datura innoxia	Lemus-Jimenez and Ramirez (2005)
	Datura stramonium	Motten and Antonovics (1992), van Kleunen et al. (2007), Igić, B. *unpub. data*
	Dunalia brachyacantha	Smith and Baum (2007)
	Dyssochroma viridiflorum	Sazima et al. (2003)
	Eriolarynx lorentzii	Smith and Baum (2007)
	Iochroma australe	Smith and Baum (2007)
	Iochroma cyaneum	Smith and Baum (2007)
	Iochroma gesnerioides	Smith and Baum (2007)
	Jaborosa integrifolia	Vesprini and Galetto (2000)
	Lycium berlanderi	Miller and Venable (2002)
	Lycium cestroides	Aguilar and Bernardello (2001)
	Lycium ferocissimum	Miller et al. (2008)
	Lycium pallidum	Miller and Venable (2002)
	Lycium parishii	Miller and Venable (2002)
	Lycium pumilum	Miller et al. (2008)
	Nicotiana glauca	Jaimes and Ramirez (1999)
	Nolana adansonii	Douglas (2007)
	Nolana aticoana	Douglas (2007)
	Nolana elegans	Douglas (2007)
	Nolana humifusa	Douglas (2007)
	Nolana ivaniana	Douglas (2007)
	Nolana laxa	Douglas (2007)
	Nolana plicata	Douglas (2007)
	Nolana prostrata	Darwin (1876)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Solanaceae	*Nolana rupicola*	Douglas (2007)
	Petunia hybrida	Oloumi and Rezanejhad (2009)
	Physalis cinerascens	Sullivan (1984)
	Physalis viscosa	Morales and Galetto (2003)
	Salpichroa origanifolia	Morales and Galetto (2003)
	Salpigolossis sinuata	Arroyo and Uslar (1993)
	Schwenkia americana	Igić, B. *unpub. data*
	Solanum amotapense	Bohs (2001)
	Solanum atropurpureum	Igić, B. *unpub. data*
	Solanum betaceum	Bohs (1991)
	Solanum carolinense	Travers et al. (2004)
	Solanum catilliflorum	Anderson et al. (2006)
	Solanum chenopodioides	Morales and Galetto (2003)
	Solanum chilense	Igić, B. *unpub. data*
	Solanum chmielewskii	Igić, B. *unpub. data*
	Solanum circinatum	Bohs (1991)
	Solanum commersonii	Igić, B. *unpub. data*
	Solanum corymbiflorum	Bohs (1991)
	Solanum curtipes	Morales and Galetto (2003)
	Solanum diploconos	Bohs (1991)
	Solanum diversifolium	Bohs (1991)
	Solanum glaucophyllum	Bohs (2001)
	Solanum gourlayi	Camadro and Peloquin (1981), Camadro and Peloquin (1982), Masuelli and Camadro (1997)
	Solanum khasianum	Igić, B. *unpub. data*
	Solanum ligustrinum	Arroyo and Uslar (1993)
	Solanum luteoalbum	Bohs (2001)
	Solanum lycocarpum	Oliveira-Filho and Oliveira (1988)
	Solanum lycopersicum	Igić, B. *unpub. data*
	Solanum mauritianum	Rambuda and Johnson (2004)
	Solanum muricatum	Murray et al. (1992)
	Solanum neorickii	Igić, B. *unpub. data*
	Solanum nigrum	Igić, B. *unpub. data*
	Solanum ochranthum	Igić, B. *unpub. data*
	Solanum oplocense	Camadro and Peloquin (1981), Camadro and Peloquin (1982), Masuelli and Camadro (1997)
	Solanum palinacanthum	Coleman and Coleman (1982)
	Solanum perlongistylum	Anderson et al. (2006)
	Solanum peruvianum	Kostyun (2009)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Solanaceae	*Solanum pimpinellifolium*	Rick et al. (1977), Igić, B. *unpub. data*
	Solanum platense	Igić, B. *unpub. data*
	Solanum pseudolulo	Igić, B. *unpub. data*
	Solanum punctulatum	Tanner (1982)
	Solanum roseum	Bohs (1991)
	Solanum rostratum	Lloyd and Schoen (1992)
	Solanum simile	Igić, B. *unpub. data*
	Solanum stuckertii	Bohs (2001)
	Solanum tucumanense	Igić, B. *unpub. data*
	Solanum unilobum	Bohs (1991)
	Solanum valdiviense	Riveros et al. (1996)
	Vassobia breviflora	Smith and Baum (2007)
	Withania somnifera	Lattoo et al. (2007)
	Witheringia asterotricha	Sousa-Pena (2001), Bohs (2000)
	Witheringia coccoloboides	Sousa-Pena (2001)
	Witheringia correana	Sousa-Pena (2001)
	Witheringia macrantha	Sousa-Pena (2001)
	Witheringia meiantha	Sousa-Pena (2001), Bohs (2000)
	Witheringia mexicana	Sousa-Pena (2001)
	Witheringia mortonii	Sousa-Pena (2001)
	Witheringia solanacea	Bohs (2000)
	Witheringia somnifera	Lattoo et al. (2007)
Sterculiaceae	*Sterculia colorata*	Raju et al. (2004)
Stylidiaceae	*Stylidium adnatum*	Burbidge and James (1991)
	Stylidium adpressum	Burbidge and James (1991)
	Stylidium breviscapum	Burbidge and James (1991)
	Stylidium brunonianum	Burbidge and James (1991)
	Stylidium bulbiferum	Burbidge and James (1991)
	Stylidium calcaratum	Burbidge and James (1991)
	Stylidium choreanthurn	Burbidge and James (1991)
	Stylidium crossocephalum	Burbidge and James (1991)
	Stylidium dichotomum	Burbidge and James (1991)
	Stylidium dielsianum	Burbidge and James (1991)
	Stylidium divaricatum	Burbidge and James (1991)
	Stylidium ecorne	Burbidge and James (1991)
	Stylidium egalndulosum	Burbidge and James (1991)
	Stylidium emarginatum	Burbidge and James (1991)
	Stylidium glaucum	Burbidge and James (1991)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Stylidiaceae	*Stylidium guttatum*	Burbidge and James (1991)
	Stylidium induratum	Burbidge and James (1991)
	Stylidium longibracteatum	Burbidge and James (1991)
	Stylidium longitubum	Burbidge and James (1991)
	Stylidium petiolare	Burbidge and James (1991)
	Stylidium repens	Burbidge and James (1991)
	Stylidium rhipidium	Burbidge and James (1991)
	Stylidium rhynchocarpum	Burbidge and James (1991)
	Stylidium roseo alatum	Burbidge and James (1991)
	Stylidium sacculatum	Burbidge and James (1991)
	Stylidium species A	Burbidge and James (1991)
	Stylidium species B	Burbidge and James (1991)
	Stylidium species C	Burbidge and James (1991)
	Stylidium species D	Burbidge and James (1991)
	Stylidium species E	Burbidge and James (1991)
	Stylidium species G	Burbidge and James (1991)
	Stylidium species H	Burbidge and James (1991)
	Stylidium uniflorum	Burbidge and James (1991)
	Stylidium utricularioides	Burbidge and James (1991)
Styracaceae	*Styrax camporum*	Saraiva et al. (1996)
	Styrax ferrugineus	Saraiva et al. (1996)
	Styrax japonicus	Reed (2003)
Theaceae	*Camellia japonica*	Ozaki et al. (2003)
	Camellia sinensis	Wachira and Kamunya (2005)
Thymelaeaceae	*Stellera chamaejasme*	Zhang et al. (2011)
	Thymelaea hirsuta	Morbia (1996)
Turneraceae	*Turnera curassavica*	Lemus-Jimenez and Ramirez (2005)
	Turnera pumilia	Lopez (1998)
Ulmaceae	*Trema micrantha*	Sobrevila and Arroyo (1982)
Velloziaceae	*Vellozia epidendroides*	Jacobi and Laboissiere del Sarto (2007)
	Vellozia leptopetala	Jacobi and Laboissiere del Sarto (2007)
	Vellozia squamata	Oliveira et al. (1991)
Verbenaceae	*Clerodendrum molle*	McMullen (1987)
	Glandularia glandulifera	Imhof et al. (2010)
	Glandularia peruviana	Imhof et al. (2010)
	Glandularia platensis	Imhof et al. (2010)
	Gmelina arborea	Bolstad and Bawa (1982)
	Lantana camara	Rambuda and Johnson (2004)
	Lantana canescens	Jaimes and Ramirez (1999)
		Lemus-Jimenez and Ramirez (2005)
	Lantana peduncularis	McMullen (1987)

Table S1 *continued*: List of all species and source studies.

Family	Species	Source
Verbenaceae	*Rhaphithamnus spinosus*	Riveros et al. (1996)
	Vitex cooperi	Bawa et al. (1985)
	Vitex lucens	Barrell et al. (1997)
Violaceae	*Viola septemloba*	Oakley (2004)
Vitaceae	*Cissus trifolata*	Lemus-Jimenez and Ramirez (2005)
Vochysiaceae	*Qualea grandiflora*	Oliveira et al. (2004)
	Qualea multiflora	Oliveira and Gibbs (2000)
	Qualea parviflora	Oliveira and Gibbs (2000)
	Salvertia convallariodora	Oliveira et al. (2004)
	Vochysia ferruginea	Bawa et al. (1985)
	Vochysia rufa	Oliveira et al. (2004)
	Vochysia thyrsoidea	Oliveira et al. (2004)
	Vochysia tucanorum	Saraiva et al. (1996)
Winteraceae	*Drimys winteri*	Riveros et al. (1996)
	Pseudobombax munguda	Gribel and Gibbs (2002)
	Pseudowintera axillaris	Sage and Sampson (2003)
	Pseudowintera colorata	Newstrom and Robertson (2005)
Xyridaceae	*Xyris laxifolia*	Ramirez and Brito (1990)
	Xyris sayanensis	Ramirez and Brito (1990)
Zingiberaceae	*Costus allenii*	Schemske (1983)
	Costus guanaiensis	Schemske (1983)
	Costus laevis	Schemske (1983)
	Costus spiralis	Ramirez and Seres (1994)
	Hedychium gardnerianum	Rambuda and Johnson (2004)
	Renealmia cernua	Grove (1985)
	Renealmia pluriplicata	Grove (1985)
	Roscoea cautleoides	Zhang et al. (2010)
	Roscoea humeana	Zhang et al. (2010)
Zosteraceae	*Zostera maritima*	Ruckelshaus (1995)
Zygophyllaceae	*Balanites aegyptiaca*	Ndoye et al. (2004)
	Bulnesia retama	Debandi et al. (2002)
	Guaiacum coulteri	Bullock (1985)
	Kallstroemia maxima	Jaimes and Ramirez (1999)
	Porlieria microphylla	Morales and Galetto (2003)
	Tribulus cistoides	Lemus-Jimenez and Ramirez (2005)

Table S2: Occurrence of ISI reports by family.

Family	Frequency	Family	Frequency
Fabaceae	130	Zingiberaceae	9
Solanaceae	96	Droseraceae	9
Bromeliaceae	82	Campanulaceae	9
Asteraceae	58	Vochysiaceae	8
Orchidaceae	55	Rhamnaceae	8
Rosaceae	42	Rutaceae	7
Rubiaceae	39	Primulaceae	7
Proteaceae	39	Pinaceae	7
Stylidiaceae	34	Zygophyllaceae	6
Malvaceae	34	Salicaceae	6
Ericaceae	34	Gentianaceae	6
Myrtaceae	33	Polygalaceae	5
Plantaginaceae	28	Myrsinaceae	5
Melastomataceae	28	Melanthiaceae	5
Boraginaceae	28	Marantaceae	5
Ranunculaceae	26	Lythraceae	5
Cactaceae	26	Loranthaceae	5
Bignoniaceae	24	Fagaceae	5
Apocynaceae	21	Cistaceae	5
Onagraceae	20	Berberidaceae	5
Brassicaceae	18	Arecaceae	5
Acanthaceae	16	Aizoaceae	5
Malpighiaceae	15	Agavaceae	5
Liliaceae	15	Winteraceae	4
Euphorbiaceae	14	Nyctaginaceae	4
Dipterocarpaceae	14	Chrysobalanaceae	4
Convolvulaceae	14	Caryophyllaceae	4
Iridaceae	13	Velloziaceae	3
Amaryllidaceae	13	Styracaceae	3
Gesneriaceae	12	Sapotaceae	3
Verbenaceae	11	Portulacaceae	3
Saxifragaceae	11	Paeoniaceae	3
Poaceae	11	Oxalidaceae	3
Cyperaceae	11	Oleaceae	3
Asphodelaceae	11	Musaceae	3
Lamiaceae	10	Magnoliaceae	3
Annonaceae	10	Geraniaceae	3

Table S2 *continued*: Occurrence of ISI reports by family.

Family	Frequency	Family	Frequency
Commelinaceae	3	Rhizophoraceae	1
Combretaceae	3	Pontederiaceae	1
Colchicaceae	3	Phytolaccaceae	1
Anacardiaceae	3	Philesiaceae	1
Xyridaceae	2	Orobanchaceae	1
Turneraceae	2	Olacaceae	1
Thymelaeaceae	2	Moraceae	1
Theaceae	2	Mimosaceae	1
Sapindaceae	2	Memecylaceae	1
Santalaceae	2	Meliaceae	1
Polemoniaceae	2	Mayacaceae	1
Plumbaginaceae	2	Lentibulariaceae	1
Passifloraceae	2	Lardizabalaceae	1
Papaveraceae	2	Gunneraceae	1
Ochnaceae	2	Goodeniaceae	1
Menyanthaceae	2	Escalloniaceae	1
Loasaceae	2	Dipsacaceae	1
Hypericaceae	2	Desfontainiaceae	1
Hydrangeaceae	2	Cyrillaceae	1
Hyacinthaceae	2	Cupressaceae	1
Erythroxylaceae	2	Clethraceae	1
Dilleniaceae	2	Celastraceae	1
Cunoniaceae	2	Caryocaraceae	1
Crassulaceae	2	Caprifoliaceae	1
Costaceae	2	Capparaceae	1
Cornaceae	2	Cannaceae	1
Cochlospermaceae	2	Butomaceae	1
Clusiaceae	2	Burseraceae	1
Balsaminaceae	2	Bruniaceae	1
Araliaceae	2	Bombaceae	1
Zosteraceae	1	Betulaceae	1
Violaceae	1	Asteliaceae	1
Ulmaceae	1	Apiaceae	1
Sterculiaceae	1	Amaranthaceae	1
Smilacaceae	1	Alismataceae	1
Simaroubaceae	1	Agapanthaceae	1
Scrophulariaceae	1		

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