

Supplementary Material for:  
Procheş, Ş.; Wilson, J. R. U.; Vamosi, J. C.; Richardson, D. M. (2008)  
Plant Diversity in the Human Diet: Weak Phylogenetic Signal Indicates  
Remarkable Breadth *BioScience* 58: 151–159.

**Contents**

Table S1a Distribution of edible species among plant families

Table S1b Distribution of edible species among Fabaceae genera

Table S1c Distribution of edible species among Rosaceae genera

Table S1d Distribution of edible species among Orchidaceae genera. Genera with no edible species (853 out of a total of 864) are not shown.

**Notes**

The full list of species eaten was calculated from several sources (ANCP 2006, Freedman 2006, GRIN 2006, Katzer 2006; van Wyk 2005, Vaughan and Geissler 1997, Wiersema and Léon 1999), and checked for synonyms (PFAF 2006, Porcher 2006, Royal Botanical Gardens Kew 2006). The lower lists of number of species eaten are from: top 829, van Wyk (2005); top 150, GRIN (2006); top 30, Janick (1999). The total species richness of plant families is from Royal Botanical Gardens Kew, (2006); of Fabaceae is from (ILDIS 2006; Lewis et al. 2005); of Rosaceae from Vamosi and Dickinson (2006); of Orchidaceae from Royal Botanical Gardens Kew, (2006).

## References

- [ANCP] The Australian New Crops Program. 2006. Listing of Useful Plants of the World. (1 February 2006; [www.newcrops.uq.edu.au/listing/listingindex.htm](http://www.newcrops.uq.edu.au/listing/listingindex.htm))
- Freedman RL. 2006. Famine foods. (1 February 2006; [www.hort.purdue.edu/newcrop/faminefoods/ff\\_home.html](http://www.hort.purdue.edu/newcrop/faminefoods/ff_home.html))
- [GRIN] Germplasm Resources Information Network (1 February 2006; [www.ars-grin.gov/cgi-bin/npgs/html/taxecon.pl](http://www.ars-grin.gov/cgi-bin/npgs/html/taxecon.pl))
- [ILDIS] International Legume Database and Information Service. (1 February 2006; [www.ildis.org](http://www.ildis.org))
- Janick J. 1999. New crops and the search for new food resources. Pages 104-110 in Janick J, ed. Perspectives on new crops and new uses. Alexandria (VA): ASHS Press.
- Katzer G. 2006. Gernot Katzer's spice pages (1 February 2006; [www.uni-graz.at/~katzer/engl/index.html](http://www.uni-graz.at/~katzer/engl/index.html))
- Lewis G, Schrire B, Mackinder B, Lock M. 2005. Legumes of the world. Kew: Royal Botanic Gardens.
- [PFAF] Plants for a future: edible, medicinal and useful plants for a healthier world. (1 February 2006; [www.pfaf.org/database](http://www.pfaf.org/database))
- Porcher MH. 2006. Multilingual multiscrypt plant name database. (1 February 2006; [www.plantnames.unimelb.edu.au](http://www.plantnames.unimelb.edu.au))
- Royal Botanical Gardens Kew. 2006. World checklist series. (1 February 2006; [www.kew.org/data/index.html](http://www.kew.org/data/index.html))
- Vamosi JC, Dickinson TA. 2006. Polyploidy and diversification: A phylogenetic investigation in Rosaceae. *International Journal of Plant Sciences* 167: 346-355.
- van Wyk B-E. 2005. Food plants of the world. Portland (OR): Timber Press.
- Vaughan JG, Geissler CA. 1997. The new Oxford book of food plants: a guide to the fruit, vegetables, herbs and spices of the world. Oxford (UK): Oxford University Press.
- Wiersema JH, León B. 1999. World economic plants: a standard reference. Boca Raton (FL): CRC Press LLC.

**Table S1a Distribution of edible species among plant families**

<b>Family</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Acanthaceae	3500	10	0	0	0
Achariaceae	145	1	1	0	0
Achatocarpaceae	7	0	0	0	0
Acoraceae	2	1	0	0	0
Actinidiaceae	355	8	5	1	0
Adoxaceae	200	21	3	0	0
Aextoxicaceae	1	0	0	0	0
Agapanthaceae	9	0	0	0	0
Agavaceae	637	28	2	0	0
Aizoaceae	2020	16	2	0	0
Akaniaceae	1	0	0	0	0
Alismataceae	10	5	1	0	0
Alliaceae	81	35	8	2	1
Alseuosmiaceae	795	0	0	0	0
Alstroemeriaceae	165	6	0	0	0
Altingiaceae	13	0	0	0	0
Alzateaceae	2	0	0	0	0
Amaranthaceae	2050	75	23	3	1
Amaryllidaceae	800	6	0	0	0
Amborellaceae	1	0	0	0	0
Anacardiaceae	985	61	14	5	1
Anarthriaceae	11	0	0	0	0
Ancistrocladaceae	12	0	0	0	0
Anisophylleaceae	34	1	0	0	0
Annonaceae	2220	35	8	0	0
Aphanopetalaceae	2	0	0	0	0
Aphloiaceae	1	0	0	0	0
Aphyllanthaceae	1	0	0	0	0
Apiaceae	3713	105	23	3	0
Apocynaceae	4555	56	3	0	0
Aponogetonaceae	43	3	1	0	0
Aquifoliaceae	405	9	1	1	0
Araceae	4025	53	9	1	0
Araliaceae	1450	13	4	0	0
Aralidiaceae	1	0	0	0	0
Arecaceae	2000	112	22	4	1
Argophyllaceae	17	0	0	0	0
Aristolochiaceae	480	5	0	0	0
Asparagaceae	295	13	1	1	0
Asphodelaceae	785	7	0	0	0
Asteliaceae	36	1	0	0	0
Asteraceae	22750	172	37	5	1
Asteropeiaceae	8	0	0	0	0
Atherospermataceae	16	2	0	0	0
Aucubaceae	2	1	0	0	0
Austrobaileyaceae	9	0	0	0	0
Balanopaceae	50	0	0	0	0
Balsaminaceae	1001	1	0	0	0
Barbeuiaceae	1	0	0	0	0
Barbeyaceae	1	0	0	0	0
Basellaceae	20	4	3	0	0
Bataceae	2	1	0	0	0
Begoniaceae	1401	3	0	0	0
Berberidaceae	701	24	0	0	0

**Table S1a Distribution of edible species among plant families**

<b>Family</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Berberidopsidaceae	3	0	0	0	0
Betulaceae	110	13	4	1	0
Biebersteiniaceae	5	0	0	0	0
Bignoniaceae	800	8	0	0	0
Bixaceae	5	1	1	0	0
Blandfordiaceae	4	0	0	0	0
Bonnetiaceae	35	0	0	0	0
Boraginaceae	2635	34	3	0	0
Boryaceae	12	0	0	0	0
Brassicaceae	4130	111	25	6	2
Bretschneideraceae	1	0	0	0	0
Bromeliaceae	1400	4	1	1	0
Brunelliaceae	55	0	0	0	0
Bruniaceae	75	0	0	0	0
Burmanniaceae	126	0	0	0	0
Burseraceae	550	17	4	0	0
Butomaceae	1	1	0	0	0
Buxaceae	70	1	0	0	0
Byblidaceae	6	0	0	0	0
Cabombaceae	6	1	1	0	0
Cactaceae	1500	60	5	0	0
Calceolariaceae	260	0	0	0	0
Calycanthaceae	11	2	0	0	0
Calyceraceae	60	0	0	0	0
Campanulaceae	1100	20	0	0	0
Campynemanthaceae	4	0	0	0	0
Canellaceae	13	2	0	0	0
Cannabaceae	170	10	2	2	0
Cannaceae	19	2	1	0	0
Caprifoliaceae	220	9	0	0	0
Cardiopteridaceae	43	1	0	0	0
Caricaceae	34	20	6	1	0
Carlemanniaceae	5	0	0	0	0
Caryocaraceae	21	6	0	0	0
Caryophyllaceae	2200	11	1	0	0
Casuarinaceae	95	1	0	0	0
Celastraceae	1211	11	0	0	0
Centrolepidaceae	35	0	0	0	0
Cephalotaceae	1	0	0	0	0
Ceratophyllaceae	6	0	0	0	0
Cercidiphyllaceae	2	0	0	0	0
Chloranthaceae	75	3	2	0	0
Chrysobalanaceae	460	17	1	0	0
Circaeasteraceae	1	0	0	0	0
Cistaceae	175	2	0	0	0
Clethraceae	95	2	0	0	0
Clusiaceae	1050	32	12	0	0
Cochlospermaceae	15	0	0	0	0
Colchicaceae	226	3	0	0	0
Columelliaceae	4	0	0	0	0
Combretaceae	500	15	2	0	0
Commelinaceae	658	11	0	0	0
Connaraceae	180	0	0	0	0
Convolvulaceae	1601	22	3	1	1
Coriariaceae	5	3	0	0	0
Cornaceae	85	13	1	0	0

**Table S1a Distribution of edible species among plant families**

<b>Family</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Corynocarpaceae	6	1	0	0	0
Costaceae	110	1	0	0	0
Crassulaceae	1370	13	0	0	0
Crossosomataceae	12	0	0	0	0
Crypteroniaceae	10	0	0	0	0
Ctenolophonaceae	4	0	0	0	0
Cucurbitaceae	845	58	25	4	1
Cunoniaceae	280	2	0	0	0
Cyclanthaceae	225	0	0	0	0
Cymodoceaceae	16	0	0	0	0
Cyperaceae	4350	12	1	0	0
Cyrillaceae	2	0	0	0	0
Daphniphyllaceae	10	0	0	0	0
Dasypogonaceae	16	0	0	0	0
Datisceae	2	0	0	0	0
Degeneriaceae	2	0	0	0	0
Desfontainiaceae	1	0	0	0	0
Diapensiaceae	18	0	0	0	0
Dichapetalaceae	165	0	0	0	0
Didiereaceae	16	0	0	0	0
Didymelaceae	2	0	0	0	0
Diegodendraceae	1	0	0	0	0
Diervillaceae	16	0	0	0	0
Dilleniaceae	300	9	0	0	0
Dioncophyllaceae	3	0	0	0	0
Dioscoreaceae	870	26	7	3	1
Dipterocarpaceae	680	5	1	0	0
Dirachmaceae	1	0	0	0	0
Donatiaceae	2	0	0	0	0
Doryanthaceae	2	0	0	0	0
Droseraceae	1	1	0	0	0
Drosophyllaceae	115	0	0	0	0
Ebenaceae	490	26	7	2	0
Ecdeiocoleaceae	2	0	0	0	0
Elaeagnaceae	45	8	2	0	0
Elaeocarpaceae	605	7	2	0	0
Elatinaceae	35	0	0	0	0
Emblingiaceae	1	0	0	0	0
Ericaceae	3995	64	9	4	0
Eriocaulaceae	1160	0	0	0	0
Erythroxylaceae	240	2	0	0	0
Escalloniaceae	68	0	0	0	0
Eucommiaceae	1	0	0	0	0
Euphorbiaceae	5970	28	5	1	1
Euphroniaceae	2	0	0	0	0
Eupomatiaceae	3	0	0	0	0
Eupteleaceae	2	1	0	0	0
Fabaceae	19400	323	65	10	3
Fagaceae	670	36	6	1	0
Flagellariaceae	4	1	0	0	0
Fouquieriaceae	11	0	0	0	0
Francoaceae	2	0	0	0	0
Frankeniaceae	90	1	0	0	0
Fumariaceae	17	5	0	0	0
Geissolomataceae	1	0	0	0	0
Gelsemiaceae	11	0	0	0	0

**Table S1a Distribution of edible species among plant families**

<b>Family</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Gentianaceae	1655	5	0	0	0
Geraniaceae	805	11	0	0	0
Gesneriaceae	3870	1	0	0	0
Gisekiaceae	1	1	0	0	0
Gomortegaceae	1	1	0	0	0
Goodeniaceae	400	2	0	0	0
Goupiaceae	2	0	0	0	0
Griselinaceae	6	0	0	0	0
Grossulariaceae	150	34	11	3	0
Grubbiaceae	5	0	0	0	0
Gunneraceae	45	1	0	0	0
Gyrostemonaceae	18	0	0	0	0
Haemodoraceae	116	1	0	0	0
Halophytaceae	1	0	0	0	0
Haloragaceae	145	0	0	0	0
Hamamelidaceae	82	1	0	0	0
Hanguanaceae	6	0	0	0	0
Heliconiaceae	150	2	0	0	0
Helwingiaceae	3	1	0	0	0
Hemerocallidaceae	85	5	0	0	0
Hernandiaceae	55	0	0	0	0
Hesperocallidaceae	2	0	0	0	0
Himantandraceae	2	0	0	0	0
Huaceae	3	0	0	0	0
Humiriaceae	50	2	0	0	0
Hyacinthaceae	770	7	0	0	0
Hydatellaceae	20	0	0	0	0
Hydnoraceae	7	1	0	0	0
Hydrangeaceae	190	2	0	0	0
Hydrocharitaceae	116	2	0	0	0
Hydroleaceae	2	1	1	0	0
Hypericaceae	20	2	0	0	0
Hypoxidaceae	560	2	0	0	0
Hypseocharitaceae	220	0	0	0	0
Icacinaceae	149	6	0	0	0
Illiciaceae	42	0	0	0	0
Iridaceae	1870	21	1	0	0
Irvingiaceae	10	2	0	0	0
Iteaceae	18	0	0	0	0
Ixerbaceae	1	0	0	0	0
Ixioliriaceae	3	0	0	0	0
Ixonanthaceae	21	0	0	0	0
Joinvilleaceae	2	0	0	0	0
Juglandaceae	50	30	6	3	0
Juncaceae	430	1	1	0	0
Juncaginaceae	14	1	0	0	0
Kingdoniaceae	1	0	0	0	0
Kirkiaceae	6	0	0	0	0
Koerberliniaceae	1	0	0	0	0
Krameriaceae	18	0	0	0	0
Lacistemataceae	14	0	0	0	0
Lactoridaceae	1	0	0	0	0
Lamiaceae	7173	111	33	1	0
Lanariaceae	1	0	0	0	0
Lardizabalaceae	36	8	0	0	0
Lauraceae	2500	32	8	2	0

**Table S1a Distribution of edible species among plant families**

<b>Family</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Laxmanniaceae	178	2	0	0	0
Lecythidaceae	310	14	2	1	0
Ledocarpaceae	12	0	0	0	0
Lentibulariaceae	320	1	0	0	0
Lepidobotryaceae	3	0	0	0	0
Lepuropetalaceae	1	0	0	0	0
Lilaeaceae	1	0	0	0	0
Liliaceae	635	27	6	0	0
Limnanthaceae	8	0	0	0	0
Limnocharitaceae	7	1	1	0	0
Linaceae	300	1	1	0	0
Linnaeaceae	36	0	0	0	0
Loasaceae	265	2	0	0	0
Lobeliaceae	1200	2	0	0	0
Loganiaceae	420	8	1	0	0
Lophopyxidaceae	1	0	0	0	0
Loranthaceae	950	1	0	0	0
Lowiaceae	15	0	0	0	0
Luzuriagaceae	5	0	0	0	0
Lythraceae	622	12	3	0	0
Mackinlayaceae	67	0	0	0	0
Maesaceae	150	2	0	0	0
Magnoliaceae	225	4	0	0	0
Malpighiaceae	1250	14	1	0	0
Malvaceae	4225	114	20	4	1
Marantaceae	550	4	1	0	0
Marcgraviaceae	130	0	0	0	0
Martyniaceae	16	5	0	0	0
Mayacaceae	1	0	0	0	0
Medusagynaceae	1	0	0	0	0
Medusandraceae	2	0	0	0	0
Melanophyllaceae	7	0	0	0	0
Melanthiaceae	170	0	0	0	0
Melastomataceae	4570	11	0	0	0
Meliaceae	621	12	2	0	0
Melianthaceae	11	1	0	0	0
Memecylaceae	435	0	0	0	0
Menispermaceae	420	7	0	0	0
Menyanthaceae	40	4	0	0	0
Molluginaceae	116	3	0	0	0
Monimiaceae	200	1	0	0	0
Montiniaceae	5	0	0	0	0
Moraceae	1100	60	14	4	0
Morinaceae	13	0	0	0	0
Moringaceae	12	1	1	0	0
Muntingiaceae	3	1	0	0	0
Musaceae	35	7	4	3	1
Myodocarpaceae	19	0	0	0	0
Myricaceae	57	5	1	0	0
Myristicaceae	475	4	1	1	0
Myrothamnaceae	2	0	0	0	0
Myrsinaceae	1435	10	0	0	0
Myrtaceae	4620	111	24	2	0
Nartheciaceae	41	3	0	0	0
Nelumbonaceae	2	2	2	0	0
Nepenthaceae	90	1	0	0	0

**Table S1a Distribution of edible species among plant families**

<b>Family</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Neuradaceae	10	0	0	0	0
Nitrariaceae	9	2	0	0	0
Nothofagaceae	35	0	0	0	0
Nyctaginaceae	395	8	2	0	0
Nymphaeaceae	58	10	1	0	0
Nyssaceae	22	3	0	0	0
Ochnaceae	494	2	0	0	0
Olaceae	57	4	1	0	0
Oleaceae	615	17	5	1	0
Oliniaceae	5	0	0	0	0
Onagraceae	650	10	0	0	0
Oncothecaceae	2	0	0	0	0
Orchidaceae	19000	25	1	1	0
Orobanchaceae	2061	8	0	0	0
Oxalidaceae	770	14	3	0	0
Paeoniaceae	33	2	0	0	0
Pandaceae	15	0	0	0	0
Pandanaceae	805	8	3	0	0
Papaveraceae	759	5	1	1	0
Paracryphiaceae	1	0	0	0	0
Parnassiaceae	50	0	0	0	0
Passifloraceae	804	25	8	0	0
Paulowniaceae	6	0	0	0	0
Pedaliaceae	70	5	1	1	0
Peganaceae	6	0	0	0	0
Pellicieraceae	1	0	0	0	0
Penaeaceae	20	0	0	0	0
Pennantiaceae	4	0	0	0	0
Pentadiplandraceae	1	0	0	0	0
Pentaphragmataceae	30	1	1	0	0
Pentaphylacaceae	234	0	0	0	0
Penthoraceae	3	1	0	0	0
Peridiscaceae	9	0	0	0	0
Petrosaviaceae	4	0	0	0	0
Phellinaceae	12	0	0	0	0
Philydraceae	5	0	0	0	0
Phrymaceae	234	0	0	0	0
Phyllanthaceae	1745	22	7	0	0
Phyllonomaceae	4	0	0	0	0
Phyсенaceae	2	0	0	0	0
Phytolaccaceae	64	5	1	0	0
Picramniaceae	46	0	0	0	0
Picrodendraceae	80	1	0	0	0
Piperaceae	2015	15	6	2	0
Pittosporaceae	200	1	0	0	0
Plantaginaceae	1700	17	2	0	0
Platanaceae	10	0	0	0	0
Plocospermataceae	1	0	0	0	0
Plumbaginaceae	836	0	0	0	0
Poaceae	10000	177	53	12	9
Podostemaceae	270	1	0	0	0
Polemoniaceae	385	0	0	0	0
Polygalaceae	1045	5	0	0	0
Polygonaceae	1100	51	8	2	0
Polyosmaceae	60	0	0	0	0
Pontederiaceae	33	2	0	0	0



**Table S1a Distribution of edible species among plant families**

<b>Family</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Portulacaceae	397	21	3	0	0
Posidoniaceae	9	0	0	0	0
Potamogetonaceae	102	1	0	0	0
Primulaceae	900	4	0	0	0
Proteaceae	1600	14	2	0	0
Pteridophyllaceae	1	0	0	0	0
Pterostemonaceae	3	0	0	0	0
Putranjivaceae	210	0	0	0	0
Quiinaceae	55	0	0	0	0
Quillajaceae	3	0	0	0	0
Ranunculaceae	2525	19	2	0	0
Rapateaceae	94	0	0	0	0
Resedaceae	75	1	0	0	0
Restionaceae	520	0	0	0	0
Rhabdodendraceae	3	0	0	0	0
Rhamnaceae	925	27	8	0	0
Rhizophoraceae	149	4	0	0	0
Rhoipteleaceae	1	0	0	0	0
Rhynchoalycaceae	1	0	0	0	0
Roridulaceae	2	0	0	0	0
Rosaceae	2830	253	63	16	1
Rousseaceae	13	0	0	0	0
Rubiaceae	10000	43	4	3	0
Ruppiaceae	10	0	0	0	0
Ruscaceae	475	12	0	0	0
Rutaceae	1815	79	33	12	1
Sabiaceae	100	0	0	0	0
Salicaceae	1010	19	6	0	0
Salvadoraceae	11	3	0	0	0
Santalaceae	990	11	0	0	0
Sapindaceae	1580	46	11	0	0
Sapotaceae	1100	53	15	1	0
Sarcobataceae	2	0	0	0	0
Sarcolaenaceae	60	0	0	0	0
Sarraceniaceae	15	0	0	0	0
Saururaceae	6	2	1	0	0
Saxifragaceae	630	5	0	0	0
Scheuchzeriaceae	1	0	0	0	0
Schisandraceae	50	3	1	0	0
Schlegeliaceae	28	0	0	0	0
Scrophulariaceae	1895	5	0	0	0
Setchellanthaceae	1	0	0	0	0
Simaroubaceae	95	4	0	0	0
Simmondsiaceae	2	2	0	0	0
Siparunaceae	75	0	0	0	0
Sladeniaceae	3	0	0	0	0
Smilacaceae	323	17	2	0	0
Solanaceae	2460	93	20	5	2
Sphaerosepalaceae	18	0	0	0	0
Sphenocleaceae	2	0	0	0	0
Sphenostemonaceae	10	0	0	0	0
Stachyuraceae	5	0	0	0	0
Staphyleaceae	45	3	0	0	0
Stegnospemaceae	3	0	0	0	0
Stemonaceae	27	1	0	0	0
Stemonuraceae	80	0	0	0	0

**Table S1a Distribution of edible species among plant families**

<b>Family</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Stilbaceae	39	0	0	0	0
Strasburgeriaceae	1	0	0	0	0
Strelitziaceae	7	1	0	0	0
Stylidiaceae	155	0	0	0	0
Styracaceae	160	5	0	0	0
Surianaceae	8	0	0	0	0
Symplocaceae	320	1	0	0	0
Tamaricaceae	90	1	0	0	0
Tapisciaceae	6	0	0	0	0
Tecophilaeaceae	23	3	0	0	0
Ternstroemiaceae	103	1	0	0	0
Tetracarpaeaceae	1	0	0	0	0
Tetracentraceae	1	0	0	0	0
Tetrachondraceae	3	0	0	0	0
Tetradiclidaceae	1	0	0	0	0
Tetramelaceae	2	0	0	0	0
Tetrameristaceae	4	0	0	0	0
Theaceae	195	1	1	1	0
Themidaceae	62	3	0	0	0
Theophrastaceae	105	1	0	0	0
Thurniaceae	4	1	0	0	0
Thymelaeaceae	755	1	0	0	0
Ticodendraceae	1	0	0	0	0
Tofieldiaceae	27	0	0	0	0
Toricelliaceae	1	0	0	0	0
Tovariaceae	2	0	0	0	0
Trigoniaceae	28	0	0	0	0
Trimeniaceae	6	0	0	0	0
Triuridaceae	48	0	0	0	0
Trochodendraceae	1	0	0	0	0
Tropaeolaceae	95	7	2	0	0
Typhaceae	27	8	0	0	0
Ulmaceae	35	4	0	0	0
Urticaceae	2625	10	2	0	0
Vahliaceae	8	0	0	0	0
Valerianaceae	605	11	2	0	0
Velloziaceae	240	0	0	0	0
Verbenaceae	1175	7	1	0	0
Violaceae	800	5	0	0	0
Vitaceae	850	20	3	3	1
Vivianiaceae	6	0	0	0	0
Vochysiaceae	210	1	0	0	0
Winteraceae	90	3	0	0	0
Xanthorrhoeaceae	30	2	0	0	0
Xeronemataceae	2	0	0	0	0
Xyridaceae	260	0	0	0	0
Zingiberaceae	1075	34	20	2	0
Zosteraceae	14	1	0	0	0
Zygophyllaceae	285	7	1	0	0

**Table S1b Distribution of edible species among Fabaceae genera**

<b>Genus</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Abarema	44	0	0	0	0
Abrus	12	1	0	0	0
Acacia	439	22	1	0	0
Acmispon	8	0	0	0	0
Acosmium	17	0	0	0	0
Acrocarpus	1	0	0	0	0
Adenanthera	3	2	0	0	0
Adenocarpus	15	0	0	0	0
Adenodolichos	22	0	0	0	0
Adenolobus	2	0	0	0	0
Adenopodia	7	0	0	0	0
Adesmia	216	0	0	0	0
Aenictophyton	1	0	0	0	0
Aeschynomene	164	1	0	0	0
Affonsea	11	0	0	0	0
Afgekia	2	0	0	0	0
Afzelia	8	0	0	0	0
Aganope	6	0	0	0	0
Airyantha	1	0	0	0	0
Albizia	73	3	0	0	0
Aldina	13	0	0	0	0
Alexa	10	0	0	0	0
Alhagi	4	2	0	0	0
Alistilus	2	0	0	0	0
Almaleea	5	0	0	0	0
Alysicarpus	13	3	0	0	0
Amblygonocarpus	1	1	0	0	0
Amburana	2	0	0	0	0
Amherstia	1	0	0	0	0
Amicia	8	0	0	0	0
Ammodendron	5	0	0	0	0
Ammopiptanthus	2	0	0	0	0
Amorpha	16	0	0	0	0
Amphicarpaea	2	1	0	0	0
Amphimas	4	0	0	0	0
Amphithalea	20	0	0	0	0
Anadenanthera	2	0	0	0	0
Anagyris	1	0	0	0	0
Anarthrophyllum	15	0	0	0	0
Andira	42	0	0	0	0
Androcalymma	1	0	0	0	0
Angylocalyx	7	0	0	0	0
Antheroporum	1	0	0	0	0
Anthonotha	31	0	0	0	0
Anthyllis	22	0	0	0	0
Antopetitia	1	0	0	0	0
Aotus	14	0	0	0	0
Aphanocalyx	14	0	0	0	0
Apios	3	2	1	1	0
Apoplonesia	2	0	0	0	0
Apuleia	1	0	0	0	0
Apurimacia	6	0	0	0	0
Arachis	69	2	1	1	1
Arapatiella	2	0	0	0	0
Archidendron	15	2	1	0	0

**Table S1b Distribution of edible species among Fabaceae genera**

<b>Genus</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Archidendropsis	3	0	0	0	0
Arcoa	1	0	0	0	0
Argyrocytismus	1	0	0	0	0
Argyrolobium	89	1	0	0	0
Arthrocarpum	2	0	0	0	0
Arthroclianthus	1	0	0	0	0
Aspalathus	255	2	1	0	0
Astracantha	100	4	0	0	0
Astragalus	1478	12	0	0	0
Ateleia	18	0	0	0	0
Aubrevillea	2	0	0	0	0
Augouardia	1	0	0	0	0
Austrodolichos	1	0	0	0	0
Austroteenisia	3	0	0	0	0
Baikiaea	7	0	0	0	0
Balizia	3	0	0	0	0
Balsamocarpon	1	0	0	0	0
Baphia	46	0	0	0	0
Baphiastrum	2	0	0	0	0
Baphiopsis	1	0	0	0	0
Baptisia	23	1	0	0	0
Barbieria	1	0	0	0	0
Barklya	1	0	0	0	0
Batesia	1	0	0	0	0
Baudouinia	1	0	0	0	0
Bauhinia	207	12	1	0	0
Behaimia	1	0	0	0	0
Belairia	1	0	0	0	0
Bergeronia	1	0	0	0	0
Berlinia	18	0	0	0	0
Bikinia	10	0	0	0	0
Bituminaria	2	0	0	0	0
Blanchetiodendron	1	0	0	0	0
Bobgunnia	2	0	0	0	0
Bocoa	7	0	0	0	0
Bolusanthus	1	0	0	0	0
Bolusia	6	0	0	0	0
Bossiaea	48	0	0	0	0
Bowdichia	2	0	0	0	0
Bowringia	2	0	0	0	0
Brachycylis	1	0	0	0	0
Brachysema	11	0	0	0	0
Brachystegia	36	1	0	0	0
Brandzeia	1	0	0	0	0
Breniera	1	0	0	0	0
Brodriguesia	1	0	0	0	0
Brongniartia	52	0	0	0	0
Brownea	28	0	0	0	0
Browneopsis	1	0	0	0	0
Brya	6	0	0	0	0
Bryaspis	2	0	0	0	0
Buchenroedera	11	0	0	0	0
Burkea	1	0	0	0	0
Burkilliodendron	1	0	0	0	0
Bussea	5	0	0	0	0
Butea	2	1	0	0	0

**Table S1b Distribution of edible species among Fabaceae genera**

<b>Genus</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Cadia	2	0	0	0	0
Caesalpinia	136	2	0	0	0
Cajanus	17	1	1	1	0
Calicotome	4	0	0	0	0
Callerya	12	1	0	0	0
Calliandra	156	0	0	0	0
Calliandropsis	1	0	0	0	0
Callistachys	1	0	0	0	0
Calophaca	2	0	0	0	0
Calopogonium	9	0	0	0	0
Calpocalyx	11	0	0	0	0
Calpurnia	7	0	0	0	0
Camoensia	2	0	0	0	0
Campsiandra	3	0	0	0	0
Camptosema	13	0	0	0	0
Campylotropis	1	1	0	0	0
Canavalia	60	4	2	0	0
Candolleodendron	1	0	0	0	0
Caragana	41	3	0	0	0
Carissoa	1	0	0	0	0
Carmichaelia	40	0	0	0	0
Cascaronia	1	0	0	0	0
Cassia	75	2	0	0	0
Castanospermum	1	1	0	0	0
Cathormion	1	0	0	0	0
Cedrelinga	1	0	0	0	0
Cenostigma	3	0	0	0	0
Centrolobium	7	0	0	0	0
Centrosema	43	1	0	0	0
Ceratonia	2	1	1	0	0
Cercidium	7	1	0	0	0
Cercis	5	2	0	0	0
Chadsia	1	0	0	0	0
Chaetocalyx	13	0	0	0	0
Chamaecrista	286	2	0	0	0
Chapmannia	1	0	0	0	0
Chesneya	15	0	0	0	0
Chidlowia	1	0	0	0	0
Chloroleucon	10	0	0	0	0
Chordospartium	2	0	0	0	0
Chorizema	16	0	0	0	0
Christia	3	0	0	0	0
Cicer	31	1	1	1	0
Cladrastis	3	0	0	0	0
Clathrotropis	5	0	0	0	0
Cleobulia	4	0	0	0	0
Clianthus	1	0	0	0	0
Clitoria	62	1	0	0	0
Clitoriopsis	1	0	0	0	0
Cochlianthus	1	0	0	0	0
Codariocalyx	2	0	0	0	0
Coelidium	20	0	0	0	0
Cojoba	18	0	0	0	0
Collaea	5	0	0	0	0
Cologania	11	0	0	0	0
Colophospermum	1	0	0	0	0

**Table S1b Distribution of edible species among Fabaceae genera**

<b>Genus</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Colutea	15	0	0	0	0
Colvillea	1	0	0	0	0
Conzattia	3	0	0	0	0
Copaifera	45	0	0	0	0
Corallospartium	1	0	0	0	0
Cordeauxia	1	1	0	0	0
Cordyla	9	0	0	0	0
Coronilla	9	0	0	0	0
Coursetia	39	0	0	0	0
Craibia	10	0	0	0	0
Cranocarpus	3	0	0	0	0
Craspedolobium	1	0	0	0	0
Cratylia	4	0	0	0	0
Crotalaria	581	6	0	0	0
Cruddasia	1	0	0	0	0
Crudia	22	0	0	0	0
Cryptosepalum	11	0	0	0	0
Cullen	8	1	0	0	0
Cyamopsis	5	2	1	0	0
Cyathostegia	2	0	0	0	0
Cyclocarpa	1	0	0	0	0
Cyclolobium	5	0	0	0	0
Cyclopia	19	5	3	0	0
Cylicodiscus	1	0	0	0	0
Cymbosema	1	0	0	0	0
Cynometra	58	1	0	0	0
Cytisophyllum	1	0	0	0	0
Cytisopsis	2	0	0	0	0
Cytisus	63	1	0	0	0
Dahlstedtia	1	0	0	0	0
Dalbergia	143	2	0	0	0
Dalbergiella	3	0	0	0	0
Dalea	170	2	0	0	0
Dalhousiea	1	0	0	0	0
Daniellia	9	0	0	0	0
Daviesia	78	0	0	0	0
Decorsea	3	0	0	0	0
Deguelia	4	0	0	0	0
Delonix	3	0	0	0	0
Dendrolobium	5	0	0	0	0
Derris	36	0	0	0	0
Desmanthus	24	0	0	0	0
Desmodium	267	2	0	0	0
Detarium	4	1	0	0	0
Dewevrea	2	0	0	0	0
Dialium	33	4	0	0	0
Dicerma	1	0	0	0	0
Dichilus	5	0	0	0	0
Dichrostachys	5	0	0	0	0
Dicorynia	2	0	0	0	0
Dicraeopetalum	1	0	0	0	0
Dicymbe	15	0	0	0	0
Didelotia	13	0	0	0	0
Dillwynia	22	0	0	0	0
Dimorphandra	26	0	0	0	0
Dinizia	1	0	0	0	0

**Table S1b Distribution of edible species among Fabaceae genera**

<b>Genus</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Dioclea	47	0	0	0	0
Diphyllarium	1	0	0	0	0
Diphysa	17	0	0	0	0
Diplotropis	12	0	0	0	0
Dipogon	1	1	0	0	0
Dipteryx	9	1	0	0	0
Diptychandra	1	0	0	0	0
Discolobium	8	0	0	0	0
Distemonanthus	1	0	0	0	0
Disynstemon	1	0	0	0	0
Dolichopsis	1	0	0	0	0
Dolichos	63	0	0	0	0
Dorycnium	8	0	0	0	0
Dorycnopsis	2	0	0	0	0
Droogmansia	24	0	0	0	0
Dumasia	2	1	0	0	0
Dunbaria	4	0	0	0	0
Duparquetia	1	0	0	0	0
Dussia	10	0	0	0	0
Dysolobium	2	0	0	0	0
Ebenopsis	3	1	0	0	0
Ebenus	6	0	0	0	0
Echinospartum	3	0	0	0	0
Ecuadendron	1	0	0	0	0
Eleiotis	1	0	0	0	0
Elephantorrhiza	10	0	0	0	0
Eligmocarpus	1	0	0	0	0
Elizabetha	11	0	0	0	0
Eminia	4	0	0	0	0
Endertia	1	0	0	0	0
Endosamara	1	0	0	0	0
Englerodendron	1	0	0	0	0
Entada	21	1	0	0	0
Enterolobium	12	0	0	0	0
Eperua	15	0	0	0	0
Eremosparton	1	0	0	0	0
Erichsenia	1	0	0	0	0
Erinacea	2	0	0	0	0
Eriosema	147	1	0	0	0
Erophaca	1	0	0	0	0
Errazurizia	4	0	0	0	0
Erythrina	124	3	1	0	0
Erythrophleum	8	0	0	0	0
Etaballia	1	0	0	0	0
Euchilopsis	1	0	0	0	0
Euchresta	3	0	0	0	0
Eurypetalum	3	0	0	0	0
Eutaxia	7	0	0	0	0
Eversmannia	1	0	0	0	0
Exostyles	2	0	0	0	0
Eysenhardtia	12	0	0	0	0
Fagelia	1	0	0	0	0
Faidherbia	1	0	0	0	0
Falcataria	1	0	0	0	0
Fiebrigiella	1	0	0	0	0
Fillaeopsis	1	0	0	0	0

**Table S1b Distribution of edible species among Fabaceae genera**

<b>Genus</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Fissicalyx	1	1	0	0	0
Flemingia	14	2	1	0	0
Fordia	2	0	0	0	0
Gagnebina	4	0	0	0	0
Galactia	99	0	0	0	0
Galega	6	1	0	0	0
Gastrolobium	36	0	0	0	0
Geissaspis	2	0	0	0	0
Genista	111	1	0	0	0
Genistidium	1	0	0	0	0
Geoffroea	2	2	0	0	0
Gigasiphon	3	0	0	0	0
Gilbertiodendron	28	0	0	0	0
Gilletiodendron	5	0	0	0	0
Gleditsia	13	1	0	0	0
Gliricidia	3	0	0	0	0
Glottidium	1	0	0	0	0
Glycine	14	1	1	1	1
Glycyrrhiza	16	4	2	0	0
Gompholobium	35	0	0	0	0
Goniorrhachis	1	0	0	0	0
Gonocytisus	3	0	0	0	0
Goodia	2	0	0	0	0
Gossweilerodendron	2	0	0	0	0
Grazilodendron	1	0	0	0	0
Griffonia	4	0	0	0	0
Gueldenstaedtia	1	0	0	0	0
Guibourtia	16	2	0	0	0
Gymnocladus	3	1	0	0	0
Haematoxylum	4	0	0	0	0
Halimodendron	1	0	0	0	0
Hammatolobium	2	0	0	0	0
Haplormosia	1	0	0	0	0
Hardenbergia	3	0	0	0	0
Harleyodendron	1	0	0	0	0
Harpalyce	28	0	0	0	0
Harvardia	1	0	0	0	0
Havardia	5	0	0	0	0
Hebestigma	1	0	0	0	0
Hedysarum	70	2	0	0	0
Herpyza	1	0	0	0	0
Hesperalbizia	1	0	0	0	0
Hesperolaburnum	1	0	0	0	0
Hesperothamnus	5	0	0	0	0
Heterostemon	7	0	0	0	0
Hippocrepis	30	0	0	0	0
Hoffmannseggia	26	1	0	0	0
Hoita	2	0	0	0	0
Holocalyx	1	0	0	0	0
Hosackia	11	0	0	0	0
Hovea	38	0	0	0	0
Humboldtia	1	0	0	0	0
Humularia	34	0	0	0	0
Hybosema	2	0	0	0	0
Hydrochorea	4	0	0	0	0
Hylodendron	1	0	0	0	0



**Table S1b Distribution of edible species among Fabaceae genera**

<b>Genus</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Hymenaea	15	1	0	0	0
Hymenocarpos	2	0	0	0	0
Hymenolobium	13	0	0	0	0
Hymenostegia	17	0	0	0	0
Hypocalyptus	3	0	0	0	0
Icuria	1	0	0	0	0
Indigastrum	8	0	0	0	0
Indigofera	552	7	0	0	0
Indoptadenia	1	0	0	0	0
Inga	304	11	2	0	0
Inocarpus	1	1	1	0	0
Intsia	2	0	0	0	0
Isoberlinia	5	0	0	0	0
Isotropis	12	0	0	0	0
Jacksonia	37	0	0	0	0
Jacqueshuberia	4	0	0	0	0
Jansonia	1	0	0	0	0
Julbernardia	11	0	0	0	0
Kalappia	1	0	0	0	0
Kanaloa	1	0	0	0	0
Kebirita	1	0	0	0	0
Kennedia	16	0	0	0	0
Kingiodendron	2	0	0	0	0
Klugiodendron	1	0	0	0	0
Koompassia	3	0	0	0	0
Kotschya	30	0	0	0	0
Kummerowia	2	1	0	0	0
Labichea	14	0	0	0	0
Lablab	2	1	1	0	0
Laburnocytisus	1	0	0	0	0
Laburnum	3	0	0	0	0
Lackeya	1	0	0	0	0
Lamprolobium	2	0	0	0	0
Lathyrus	128	9	5	0	0
Latrobea	5	0	0	0	0
Lebeckia	43	1	0	0	0
Lebruniendendron	1	0	0	0	0
Lecointea	4	0	0	0	0
Lembotropis	1	0	0	0	0
Lemurodendron	1	0	0	0	0
Lemuropisum	1	1	0	0	0
Lennea	3	0	0	0	0
Lens	4	1	1	1	0
Leonardoxa	3	0	0	0	0
Leptoderris	26	0	0	0	0
Leptodesmia	1	0	0	0	0
Leptosema	6	0	0	0	0
Lespedeza	30	2	0	0	0
Lessertia	53	0	0	0	0
Leucaena	25	2	0	0	0
Leucochloron	4	0	0	0	0
Leucomphalos	1	0	0	0	0
Leucostegane	1	0	0	0	0
Librevillea	1	0	0	0	0
Liparia	2	0	0	0	0
Loesenera	4	0	0	0	0

**Table S1b Distribution of edible species among Fabaceae genera**

<b>Genus</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Lonchocarpus	151	0	0	0	0
Lophocarpinia	1	0	0	0	0
Lotononis	163	0	0	0	0
Lotus	115	3	1	0	0
Luetzelburgia	8	0	0	0	0
Lupinus	460	7	4	0	0
Lysidice	1	0	0	0	0
Lysiloma	12	0	0	0	0
Lysiphyllum	4	0	0	0	0
Maackia	3	0	0	0	0
Machaerium	155	0	0	0	0
Macrolobium	71	0	0	0	0
Macropsychanthus	1	0	0	0	0
Macroptilium	14	1	0	0	0
Macrosamanea	11	0	0	0	0
Macrotyloma	23	2	1	0	0
Maniltoa	7	0	0	0	0
Margaritobium	1	0	0	0	0
Marina	38	0	0	0	0
Marmaroxylon	9	0	0	0	0
Martiodendron	4	0	0	0	0
Mastersia	1	0	0	0	0
Mecopus	1	0	0	0	0
Medicago	74	5	1	0	0
Meizotropis	1	0	0	0	0
Melanoxylon	2	0	0	0	0
Mellilotus	19	2	0	0	0
Melliniella	1	0	0	0	0
Melolobium	27	0	0	0	0
Mendoravia	1	0	0	0	0
Michelsonia	1	0	0	0	0
Microberlinia	2	0	0	0	0
Microcharis	33	0	0	0	0
Microlobius	1	0	0	0	0
Mildbraediendendron	1	0	0	0	0
Millettia	125	0	0	0	0
Mimosa	521	0	0	0	0
Mimozyanthus	1	0	0	0	0
Mirbelia	26	0	0	0	0
Moldenhawera	7	0	0	0	0
Monopetalanthus	3	0	0	0	0
Monopteryx	3	0	0	0	0
Mora	7	0	0	0	0
Moullava	1	0	0	0	0
Mucuna	39	4	1	0	0
Muelleranthus	3	0	0	0	0
Mundulea	5	0	0	0	0
Myrocarpus	4	2	0	0	0
Myrospermum	1	0	0	0	0
Myroxylon	2	0	0	0	0
Mysanthus	1	0	0	0	0
Nemcia	28	0	0	0	0
Neoapaloxyton	1	0	0	0	0
Neochevalierodendron	1	0	0	0	0
Neocollettia	1	0	0	0	0
Neoharmsia	1	0	0	0	0

**Table S1b Distribution of edible species among Fabaceae genera**

<b>Genus</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Neonotonia	2	0	0	0	0
Neorautanenia	3	0	0	0	0
Neorudolphia	1	0	0	0	0
Nephrodesmus	1	0	0	0	0
Neptunia	11	1	1	0	0
Nesphostylis	1	0	0	0	0
Newtonia	12	0	0	0	0
Nissolia	14	0	0	0	0
Nogra	1	0	0	0	0
Nomismia	1	0	0	0	0
Notodon	3	0	0	0	0
Notospartium	3	0	0	0	0
Obolinga	1	0	0	0	0
Oddoniodendron	3	0	0	0	0
Olneya	1	0	0	0	0
Onobrychis	119	0	0	0	0
Ononis	67	1	0	0	0
Ophrestia	8	0	0	0	0
Orbexilum	1	0	0	0	0
Oreophysa	1	0	0	0	0
Ormocarpopsis	1	0	0	0	0
Ormocarpum	20	0	0	0	0
Ormosia	62	0	0	0	0
Ornithopus	6	0	0	0	0
Orobus	1	0	0	0	0
Orophaca	8	0	0	0	0
Orphanodendron	1	0	0	0	0
Oryxis	1	0	0	0	0
Ostryocarpus	2	0	0	0	0
Otholobium	36	0	0	0	0
Otoptera	1	0	0	0	0
Ottleya	12	0	0	0	0
Oxylobium	16	0	0	0	0
Oxyrhynchus	2	0	0	0	0
Oxystigma	6	0	0	0	0
Oxytropis	178	0	0	0	0
Pachecoa	1	0	0	0	0
Pachyelasma	1	0	0	0	0
Pachyrhizus	5	3	3	0	0
Painteria	4	0	0	0	0
Paloue	4	0	0	0	0
Paloveopsis	1	0	0	0	0
Panurea	1	0	0	0	0
Paracalyx	6	0	0	0	0
Paramachaerium	5	0	0	0	0
Paramacrolobium	1	0	0	0	0
Parapiptadenia	6	0	0	0	0
Pararchidendron	1	0	0	0	0
Paraserianthes	2	0	0	0	0
Paratephrosia	1	0	0	0	0
Parkia	32	5	3	0	0
Parkinsonia	7	0	0	0	0
Parochetus	2	0	0	0	0
Parryella	1	0	0	0	0
Pearsonia	10	0	0	0	0
Pediomelum	1	1	0	0	0

**Table S1b Distribution of edible species among Fabaceae genera**

<b>Genus</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Pellegriniodendron	1	0	0	0	0
Peltiera	2	0	0	0	0
Peltogyne	24	0	0	0	0
Peltophorum	8	0	0	0	0
Pentaclethra	3	1	0	0	0
Periandra	7	0	0	0	0
Pericopsis	4	0	0	0	0
Petaladenium	1	0	0	0	0
Petalostylis	2	0	0	0	0
Peteria	4	1	0	0	0
Petteria	1	0	0	0	0
Phaseolus	36	4	3	1	1
Phylacium	1	0	0	0	0
Phyllocarpus	2	0	0	0	0
Phyllodium	2	0	0	0	0
Phyllota	10	0	0	0	0
Phylloxylon	1	0	0	0	0
Physostigma	5	0	0	0	0
Pickeringia	1	0	0	0	0
Pictetia	10	0	0	0	0
Piliostigma	1	0	0	0	0
Piptadenia	32	0	0	0	0
Piptadeniastrum	1	0	0	0	0
Piptadeniopsis	1	0	0	0	0
Piptanthus	1	0	0	0	0
Piscidia	7	0	0	0	0
Pisum	3	1	1	1	0
Pithecellobium	67	2	1	0	0
Plagiocarpus	1	0	0	0	0
Plagiosiphon	5	0	0	0	0
Plathymentia	2	0	0	0	0
Platycelyphium	1	0	0	0	0
Platycyamus	2	0	0	0	0
Platylobium	4	0	0	0	0
Platymiscium	33	0	0	0	0
Platypodium	2	0	0	0	0
Platysepalum	12	0	0	0	0
Podalyria	25	0	0	0	0
Podocytisus	1	0	0	0	0
Podolobium	1	0	0	0	0
Podolotus	1	0	0	0	0
Poecilanthe	8	0	0	0	0
Poeppigia	1	0	0	0	0
Poiretia	11	0	0	0	0
Poitea	13	0	0	0	0
Polhillia	7	0	0	0	0
Polystemonanthus	1	0	0	0	0
Pomaria	9	0	0	0	0
Pongamiopsis	1	0	0	0	0
Pongamia	1	1	0	0	0
Priestleya	15	0	0	0	0
Prioria	1	0	0	0	0
Prosopidastrum	2	0	0	0	0
Prosopis	45	6	0	0	0
Pseudarthria	5	0	0	0	0
Pseudeminia	4	1	0	0	0

**Table S1b Distribution of edible species among Fabaceae genera**

<b>Genus</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Pseudoeriosema	5	0	0	0	0
Pseudolotus	1	0	0	0	0
Pseudomacrolobium	1	0	0	0	0
Pseudopiptadenia	10	0	0	0	0
Pseudoprosopis	7	0	0	0	0
Pseudosamanea	2	0	0	0	0
Pseudosindora	1	0	0	0	0
Pseudovigna	2	0	0	0	0
Psophocarpus	10	1	1	0	0
Psoralea	103	7	0	0	0
Psoralidium	1	0	0	0	0
Psorothamnus	9	0	0	0	0
Pterocarpus	36	2	0	0	0
Pterodon	2	0	0	0	0
Pterogyne	1	0	0	0	0
Pterolobium	2	0	0	0	0
Ptychlobium	3	0	0	0	0
Ptychosema	2	0	0	0	0
Pueraria	12	2	1	0	0
Pultenaea	104	0	0	0	0
Pycnospora	1	0	0	0	0
Pyranthus	1	0	0	0	0
Racosperma	5	0	0	0	0
Rafnia	25	0	0	0	0
Ramirezella	3	0	0	0	0
Ramorinoa	1	0	0	0	0
Recordoxylon	2	0	0	0	0
Rehsonia	1	0	0	0	0
Requienia	3	0	0	0	0
Retama	4	0	0	0	0
Rhodopis	2	0	0	0	0
Rhynchosia	223	1	0	0	0
Rhynchotropis	2	0	0	0	0
Riedeliella	3	0	0	0	0
Robinia	4	1	0	0	0
Robynsiophyton	1	0	0	0	0
Rothia	2	1	0	0	0
Rupertia	3	0	0	0	0
Sakoanala	1	0	0	0	0
Salweenia	1	0	0	0	0
Samanea	6	0	0	0	0
Saraca	3	0	0	0	0
Sarcodum	1	0	0	0	0
Sartoria	1	0	0	0	0
Schefflerodendron	4	0	0	0	0
Schizolobium	2	0	0	0	0
Schleinitzia	3	0	0	0	0
Schotia	5	0	0	0	0
Schrankia	1	0	0	0	0
Sclerolobium	40	0	0	0	0
Scorodophloeus	2	0	0	0	0
Scorpiurus	3	0	0	0	0
Securigera	13	0	0	0	0
Sellocharis	1	0	0	0	0
Senna	234	9	0	0	0
Serianthes	4	0	0	0	0

**Table S1b Distribution of edible species among Fabaceae genera**

<b>Genus</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Sesbania	53	4	1	0	0
Shuteria	4	0	0	0	0
Sindora	4	0	0	0	0
Sindoropsis	1	0	0	0	0
Sinodolichos	1	0	0	0	0
Smirnowia	1	0	0	0	0
Smithia	6	1	0	0	0
Soemmeringia	1	0	0	0	0
Sophora	38	1	0	0	0
Spartidium	1	0	0	0	0
Spartium	1	0	0	0	0
Spathionema	1	0	0	0	0
Spatholobus	2	0	0	0	0
Sphaerolobium	18	0	0	0	0
Sphaerophysa	1	1	0	0	0
Sphenostylis	6	1	0	0	0
Sphinctospermum	1	0	0	0	0
Sphinga	3	0	0	0	0
Spirotropis	2	0	0	0	0
Spongiocarpella	1	0	0	0	0
Stachyothyrsus	3	0	0	0	0
Stahlia	1	0	0	0	0
Stemonocoleus	1	0	0	0	0
Stenodrepanum	1	0	0	0	0
Stirtonanthus	3	0	0	0	0
Stonesiella	1	0	0	0	0
Storckiella	2	0	0	0	0
Stracheya	1	0	0	0	0
Streblorrhiza	1	0	0	0	0
Strongylodon	3	0	0	0	0
Strophostyles	3	0	0	0	0
Stryphnodendron	24	0	0	0	0
Stuhlmannia	1	0	0	0	0
Stylosanthes	41	0	0	0	0
Styphnolobium	1	1	0	0	0
Sutherlandia	7	0	0	0	0
Swainsona	55	0	0	0	0
Swartzia	144	0	0	0	0
Sweetia	2	0	0	0	0
Sylvichadsia	4	0	0	0	0
Sympetalandra	1	0	0	0	0
Syrmatium	14	0	0	0	0
Tachigali	24	0	0	0	0
Tadehagi	2	0	0	0	0
Talbotiella	3	0	0	0	0
Tamarindus	1	1	1	0	0
Taralea	5	0	0	0	0
Taverniera	15	0	0	0	0
Teline	2	0	0	0	0
Templetonia	12	0	0	0	0
Tephrosia	307	1	0	0	0
Teramnus	8	0	0	0	0
Terua	1	0	0	0	0
Tessmannia	12	0	0	0	0
Tetraberlinia	7	0	0	0	0
Tetrapleura	2	0	0	0	0

**Table S1b Distribution of edible species among Fabaceae genera**

<b>Genus</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Tetrapterocarpon	1	0	0	0	0
Teyleria	1	0	0	0	0
Thermopsis	18	0	0	0	0
Thylacanthus	1	0	0	0	0
Tipuana	1	0	0	0	0
Trifidacanthus	1	0	0	0	0
Trifolium	222	7	1	0	0
Trigonella	73	3	1	0	0
Tripodion	1	0	0	0	0
Tylosema	4	1	0	0	0
Uleanthus	1	0	0	0	0
Ulex	11	0	0	0	0
Umtiza	1	0	0	0	0
Uraria	5	0	0	0	0
Uribea	1	0	0	0	0
Urodon	2	0	0	0	0
Vandasina	1	0	0	0	0
Vatairea	8	0	0	0	0
Vataireopsis	4	0	0	0	0
Vatovaea	1	0	0	0	0
Vaughania	1	0	0	0	0
Vavilovia	1	0	0	0	0
Vicia	200	15	1	1	0
Vigna	86	12	8	1	0
Viminaria	1	0	0	0	0
Virgilia	2	0	0	0	0
Vouacapoua	3	0	0	0	0
Wajira	1	0	0	0	0
Wallaceodendron	1	0	0	0	0
Weberbauerella	2	0	0	0	0
Wiborgia	10	0	0	0	0
Willardia	3	0	0	0	0
Wisteria	5	2	0	0	0
Xanthocercis	1	0	0	0	0
Xerocladia	1	0	0	0	0
Xeroderris	1	0	0	0	0
Xipotheca	6	0	0	0	0
Xylia	7	0	0	0	0
Zapoteca	18	0	0	0	0
Zenia	1	0	0	0	0
Zenkerella	5	0	0	0	0
Zollernia	8	0	0	0	0
Zornia	76	0	0	0	0
Zuccagnia	1	0	0	0	0
Zygia	43	0	0	0	0

**Table S1c Distribution of edible species among Rosaceae genera**

<b>Genus</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Acaena	110	1	0	0	0
Acomastylis	12	0	0	0	0
Adenostoma	3	0	0	0	0
Agrimonia	13	2	0	0	0
Alchemilla	60	0	0	0	0
Amelanchier	15	4	0	0	0
Aphanes	20	1	0	0	0
Aremonia	1	0	0	0	0
Aria	49	0	0	0	0
Aronia	2	1	1	0	0
Aruncus	1	0	0	0	0
Bencomia	4	0	0	0	0
Cercocarpus	5	0	0	0	0
Chaenomeles	3	3	1	0	0
Chamaebatia	1	0	0	0	0
Chamaebatiaria	1	0	0	0	0
Chamaerhodos	5	0	0	0	0
Cliffortia	100	1	0	0	0
Coluria	4	0	0	0	0
Comarum	5	0	0	0	0
Cormus	1	0	0	0	0
Cotoneaster	60	1	0	0	0
Crataegus	168	24	5	0	0
Cydonia	1	1	1	1	0
Dasiphora	26	0	0	0	0
Dendriopoterium	1	0	0	0	0
Dryas	2	1	0	0	0
Drymocallis	30	0	0	0	0
Duchesnea	5	1	0	0	0
Eriobotrya	18	1	1	0	0
Erythrocoma	6	0	0	0	0
Exochorda	4	0	0	0	0
Fallugia	1	0	0	0	0
Filipendula	15	0	0	0	0
Fragaria	10	7	5	5	0
Geum	30	2	0	0	0
Gillenia	2	0	0	0	0
Hagenia	1	0	0	0	0
Heteromeles	1	0	0	0	0
Holodiscus	2	0	0	0	0
Kageneckia	3	0	0	0	0
Kerria	1	0	0	0	0
Leucosidea	1	0	0	0	0
Lindleya	1	0	0	0	0
Lyonothamnus	1	0	0	0	0
Malacomeles	2	0	0	0	0
Malus	31	17	4	1	1
Marcetella	2	0	0	0	0
Margyricarpus	1	1	0	0	0
Mespilus	1	1	1	0	0
Neillia	12	0	0	0	0
Neviusia	2	0	0	0	0
Novosieversia	1	0	0	0	0
Oemleria	1	0	0	0	0
Oncostylus	5	0	0	0	0



**Table S1c Distribution of edible species among Rosaceae genera**

<b>Genus</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Osteomeles	1	1	0	0	0
Peraphyllum	1	0	0	0	0
Photinia	60	1	0	0	0
Physocarpus	6	0	0	0	0
Polylepis	20	0	0	0	0
Potentilla	117	5	0	0	0
Prinsepia	3	1	0	0	0
Prunus	200	50	20	6	0
Pseudocydonia	1	1	0	0	0
Purshia	8	0	0	0	0
Pyracantha	3	1	0	0	0
Pyrus	15	15	2	1	0
Rhaphiolepis	5	1	0	0	0
Rhodotypos	1	0	0	0	0
Rosa	95	23	3	0	0
Rubus	232	75	14	2	0
Sanguisorba	15	2	1	0	0
Sarcopoterium	1	0	0	0	0
Sibbaldia	17	0	0	0	0
Sibbaldianthe	3	0	0	0	0
Sibbaldiopsis	1	0	0	0	0
Sieversia	2	0	0	0	0
Sorbaria	4	0	0	0	0
Sorbus	80	6	4	0	0
Spiraea	80	1	0	0	0
Stephanandra	3	0	0	0	0
Taihangia	1	0	0	0	0
Tetraglochin	4	0	0	0	0
Vauquelinia	3	0	0	0	0
Waldsteinia	5	0	0	0	0

**Table S1d Distribution of edible species among Orchidaceae genera. Genera with no edible species (853 out of a total of 864) are not shown.**

<b>Genus</b>	<b># species</b>	<b>full list</b>	<b>top 829</b>	<b>top 150</b>	<b>top 30</b>
Angraecum	223	1	0	0	0
Calypso	1	1	0	0	0
Cymbidium	67	2	0	0	0
Dactylorhiza	126	1	0	0	0
Dendrobium	1179	1	0	0	0
Eulophia	206	2	0	0	0
Gastrodia	42	2	0	0	0
Habenaria	819	2	0	0	0
Leptotes	7	1	0	0	0
Orchis	47	7	0	0	0
Vanilla	110	5	1	1	0