

# **An online compilation: Weber's system of three-letter plant family acronyms**

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As discussed in literature cited below, Weber's system of three-letter plant family acronyms has proven highly valuable for information management tasks ranging from filing herbarium specimens and labeling computer files to saving space in published works. This paper gathers under one roof (see Appendices A and B) all published three-letter acronyms for vascular plant families, including the new APG II (2003) system. It also resolves ambiguities resulting from previous publications to make the entire system consistent and conveniently available to users. Acronyms are drawn from Weber (1981, 1982) and other authors (Weber & Wittmann 1992; Snow & Holton 2000; NCU 2003; Brasher & Snow 2003; Snow & Brasher 2004; and Brasher & Snow 2004). Data in the form of authoritatively spelled family names were taken from Kiger & Reveal's (2000 onwards) comparable system of four-letter acronyms. Users should note that Weber & Wittmann (1992) in some cases used one three-letter acronym to represent both a vascular plant family and a bryophyte family; hence in that publication PLG stands for both Polygonaceae and Plagiotheciaceae.

Following the format and rationale of Brasher & Snow (2004), five additional families are presented here, with recommendations to resolve ambiguities pertaining to previous publications.

Averrhoaceae (AVE (as in Weber's (1982) alphabetic acronyms list)): Not AVR as is Weber's (1982) alphabetic families list.

Cannabaceae (CAN (Weber, 1981, 1982, 2001)): Not CNN (Weber & Wittmann, 1992). CNN is also used for Connaraceae (Weber, 1982).

Cypripediaceae (CPD (Weber, 1982)): Not CPP (Weber, 1992) because CPP used for Capparaceae (Weber, 1981, 1982; Weber & Wittmann, 1992).

Sphenostemonaceae (SPH): Not SPT (NCU, 2003) because SPT used for Sapotaceae (Weber, 1981, 1982).

Stegnospermataceae (STG (Weber, 1981, 1982)). Not STE as purportedly used by NCU (2003) which is currently not available on-line.

Feedback to Brasher, including the need for any additional acronyms will be welcomed.

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## Appendix A Alphabetical List of Families

Abolbodaceae	ABB	Agapanthaceae	AGP	Alstroemeriaceae	ALS
Acanthaceae	ACA	Agavaceae	AGA	Altingiaceae	ALT
Aceraceae	ACE	Agdestidaceae	AGD	Alzateaceae	ALZ
Achariaceae	ACH	Aitoniaceae	AIT	Amaranthaceae	AMA
Achatocarpaceae	AHT	Aizoaceae	AIZ	Amaryllidaceae	AML
Acoraceae	ACO	Akaniaceae	AKA	Amborellaceae	ABL
Actinidiaceae	ACT	Alangiaceae	ALG	Ambrosiaceae	AMB
Actinopteridaceae	ACP	Alismataceae	ALI	Amygdalaceae	AMY
Adiantaceae	ADI	Alliaceae	ALL	Anacardiaceae	ANA
Adoxaceae	ADX	Aloaceae	ALO	Anarthriaceae	ANR
Aesculaceae	AES	Alseuosmiaceae	ASM	Ancistrocladaceae	ANC
Aextoxicaceae	AEX	Alsiniaceae	ASN	Androstachyaceae	AND

Anemarrhenaceae	ANE	Baueraceae	BAU	Carlemanniaceae	CLM
Anemiaceae	ANM	Begoniaceae	BEG	Carpinaceae	CPN
Angiopteridaceae	ANG	Behniaceae	BEH	Carpodetaceae	CAR
Anisophylleaceae	ANS	Berberidaceae	BER	Cartonemataceae	CRT
Annonaceae	ANN	Berberidopsidaceae	BBD	Caryocaraceae	CCR
Anomochloaceae	AMO	Betulaceae	BET	Caryophyllaceae	CRY
Anthericaceae	ATH	Biebersteiniaceae	BBS	Cassythaceae	CSS
Antoniaceae	ANT	Bignoniaceae	BIG	Casuarinaceae	CAS
Aphanopetalaceae	APN	Bischofiaceae	BIS	Cecropiaceae	CEC
Aphloiaceae	APL	Bixaceae	BIX	Celastraceae	CEL
Aphyllanthaceae	APH	Blandfordiaceae	BLA	Celtidaceae	CLT
Apiaceae	API	Blechnaceae	BLE	Centrolepidaceae	CEN
Apocynaceae	APO	Blepharocaryaceae	BPC	Cephalotaceae	CPH
Apodanthaceae	APD	Boerlagellaceae	BRL	Cephalotaxaceae	CTX
Aponogetonaceae	APG	Bombacaceae	BOM	Ceratophyllaceae	CTP
Apostasiaceae	APS	Bonnetiaceae	BON	Cercidiphyllaceae	CDP
Aptandraceae	APT	Boraginaceae	BOR	Cheiropleuriaceae	CHI
Aquifoliaceae	AQF	Boryaceae	BRY	Chenopodiaceae	CHN
Araceae	ARA	Botrychiaceae	BTR	Chloanthaceae	CLO
Araliaceae	ARL	Brassicaceae	BRA	Chloranthaceae	CLR
Aralidiaceae	ARD	Bretschneideraceae	BRT	Christenseniaceae	CHR
Araucariaceae	ARU	Brexiaceae	BRX	Chrysobalanaceae	CHB
Arecaceae	ARE	Bromeliaceae	BML	Cichoriaceae	CIC
Argophyllaceae	ARG	Brunelliaceae	BNL	Circaeasteraceae	CIR
Aristolochiaceae	ARS	Bruniaceae	BNI	Cistaceae	CIS
Asclepiadaceae	ASC	Brunoniaceae	BNN	Cleomaceae	CMC
Asparagaceae	ASG	Buddlejaceae	BUD	Clethraceae	CLE
Asphodelaceae	ASP	Burmanniaceae	BMN	Clusiaceae	CLU
Aspidiaceae	ASD	Burseraceae	BRS	Cneoraceae	CNR
Aspleniaceae	ASL	Butomaceae	BUT	Cobaeaceae	COB
Asteliaceae	ATL	Buxaceae	BUX	Cochlospermaceae	CCH
Asteraceae	AST	Byblidaceae	BYB	Colchicaceae	CHC
Asteranthaceae	ASR	Byttneriaceae	BYT	Columelliaceae	COL
Asteropeiaceae	APE	Cabombaceae	CAB	Combretaceae	CMB
Atherospermataceae	ATS	Cactaceae	CAC	Commelinaceae	CMM
Athyriaceae	ATY	Caesalpiniaceae	CSL	Compositae	CMP
Aucubaceae	AUC	Calceolariaceae	CLI	Connaraceae	CNN
Austrobaileyaceae	AUS	Callitrichaceae	CLL	Convallariaceae	CVL
Averrhoaceae	AVE	Calochortaceae	CCT	Convolvulaceae	CNV
Avicenniaceae	AVI	Calycanthaceae	CAL	Coptaceae	COP
Azollaceae	AZL	Calyceraceae	CLC	Cordiaceae	CRD
Balanitaceae	BLT	Campanulaceae	CAM	Coriariaceae	CRR
Balanopaceae	BLN	Campynemataceae	CPM	Coridaceae	COD
Balanophoraceae	BNP	Canellaceae	CNL	Cornaceae	COR
Balsaminaceae	BLS	Cannabaceae	CAN	Corsiaceae	COS
Barbeuiaceae	BBU	Cannaceae	CNA	Corylaceae	CRL
Barbeyaceae	BRB	Canotiaceae	CNT	Corynocarpaceae	CNC
Barclayaceae	BCL	Capparaceae	CPP	Costaceae	COT
Barringtoniaceae	BRR	Caprifoliaceae	CPR	Crassulaceae	CRS
Basellaceae	BAS	Cardiopteridaceae	CRP	Croomiaceae	CRM
Bataceae	BAT	Caricaceae	CRC	Crossosomataceae	CRO

Cruciferae	CRU	Donatiaceae	DNT	Gesneriaceae	GSN
Crypteroniaceae	CPT	Doryanthaceae	DOR	Ginkgoaceae	GNK
Cryptogrammaceae	CRG	Dracaenaceae	DRC	Gisekiaceae	GIS
Ctenolophonaceae	CTL	Droseraceae	DRS	Glaucidiaceae	GCD
Cucurbitaceae	CUC	Drosophyllaceae	DRO	Gleicheniaceae	GLC
Culcitaceae	CUL	Dryopteridaceae	DRY	Globulariaceae	GLB
Cunoniaceae	CUN	Duckeodendraceae	DUK	Gnetaceae	GNE
Cupressaceae	CUP	Dulongiaceae	DUL	Goetzeaceae	GTZ
Curtisiaceae	CUR	Ebenaceae	EBN	Gomortegaceae	GOM
Cuscutaceae	CUS	Ecdeiocoleaceae	ECD	Gonystylaceae	GNS
Cyanastraceae	CYN	Ehretiaceae	EHR	Goodeniaceae	GOD
Cyatheaceae	CTH	Elaeagnaceae	ELE	Goupiaceae	GOU
Cycadaceae	CCD	Elaeocarpaceae	ELC	Gramineae	GRM
Cyclanthaceae	CYC	Elaphoglossaceae	ELP	Grammitidaceae	GMM
Cyclocheilaceae	CCC	Elatinaceae	ELT	Greyiaceae	GRY
Cymodoceaceae	CYM	Elodeaceae	ELO	Griselinaceae	GRI
Cynomoriaceae	CNM	Emblingiaceae	EMB	Grossulariaceae	GRS
Cyperaceae	CYP	Empetraceae	EMP	Grubbiaceae	GRB
Cypripediaceae	CPD	Epacridaceae	EPC	Gunneraceae	GNN
Cyrellaceae	CYR	Ephedraceae	EPH	Guttiferae	GUT
Cytinaceae	CYT	Equisetaceae	EQU	Gymnogrammitidaceae	GGR
Danaeaceae	DAN	Eremosynaceae	ERM	Gyrostemonaceae	GYR
Daphniphyllaceae	DPH	Ericaceae	ERI	Haemodoraceae	HAE
Dasypogonaceae	DAS	Eriocaulaceae	ERO	Halesiaceae	HLS
Datisceae	DAT	Erythralaceae	ERP	Halophytaceae	HPH
Davalliaceae	DAV	Erythroxyllaceae	ERX	Haloragaceae	HAL
Davidiaceae	DVD	Escalloniaceae	ESC	Hamamelidaceae	HAM
Davidsoniaceae	DVS	Eucommiaceae	ECM	Hanguanaceae	HNG
Degeneriaceae	DEG	Eucryphiaceae	ECR	Hectorellaceae	HCT
Dennstaedtiaceae	DST	Euphorbiaceae	EUP	Heliconiaceae	HLC
Desfontainiaceae	DSF	Euphroniaceae	EPR	Heliotropiaceae	HLT
Dialypetalanthaceae	DLP	Eupomatiaceae	EPM	Helleboraceae	HEL
Diapensiaceae	DIA	Eupteleaceae	EPT	Helminthostachyaceae	HLM
Dichapetalaceae	DCH	Euryalaceae	EUR	Helwingiaceae	HLW
Dichondraceae	DCO	Fabaceae	FAB	Hemerocallidaceae	HMR
Dicksoniaceae	DCK	Fagaceae	FAG	Hemionitidaceae	HEM
Diclidantheraceae	DCL	Ficoidaceae	FIC	Henriqueziaceae	HRQ
Dicrastylidaceae	DCR	Flacourtiaceae	FLC	Hernandiaceae	HRN
Didiereaceae	DID	Flagellariaceae	FLG	Herreriaceae	HRR
Didymelaceae	DDM	Flindersiaceae	FLN	Hesperocallidaceae	HSP
Diegodendraceae	DGD	Foetidiaceae	FOE	Heteropyxidaceae	HTP
Diervillaceae	DIE	Fouquieriaceae	FOQ	Himantandraceae	HMT
Dilleniaceae	DLL	Francoaceae	FCO	Hippocastanaceae	HCS
Dioncophyllaceae	DON	Frankeniaceae	FNK	Hippocrateaceae	HPC
Dioscoreaceae	DSC	Fumariaceae	FUM	Hippuridaceae	HPU
Dipentodontaceae	DPN	Garryaceae	GAR	Hoplostigmataceae	HPT
Dipsacaceae	DPS	Geissolomataceae	GSL	Huaceae	HUA
Dipteridaceae	DPT	Gelsemiaceae	GEL	Hugoniaceae	HUG
Dipterocarpaceae	DPC	Gentianaceae	GEN	Humbertiaceae	HMB
Dirachmaceae	DCM	Geosiridaceae	GEO	Humiriaceae	HOU
Dodonaeaceae	DOD	Geraniaceae	GER	Huperziaceae	HUP

Hyacinthaceae	HYA	Leeaceae	LEE	Melanthiaceae	MLN
Hydatellaceae	HYT	Leguminosae	LEG	Melastomataceae	MLS
Hydnoraceae	HDN	Leitneriaceae	LTN	Meliaceae	MEL
Hydrangeaceae	HDR	Lemnaceae	LMN	Melianthaceae	MTH
Hydrastidaceae	HDS	Lennoaceae	LNN	Meliosmaceae	MLO
Hydrocaryaceae	HCY	Lentibulariaceae	LNT	Memecylaceae	MMC
Hydrocharitaceae	HDC	Leonticaceae	LEO	Mendonciaceae	MND
Hydrocotylaceae	HCO	Lepidobotryaceae	LPB	Menispermaceae	MNS
Hydroleaceae	HDL	Lepuropetalaceae	LPR	Menthaceae	MEN
Hydrophyllaceae	HYD	Lilaeaceae	LLA	Menyanthaceae	MNY
Hydrostachyaceae	HST	Liliaceae	LIL	Mesembryanthemaceae	MSM
Hymenophyllaceae	HMP	Limnanthaceae	LIM	Mespilaceae	MSP
Hymenophyllopsidaceae	HPS	Limnocharitaceae	LMC	Metaxyaceae	MTX
Hypecoaceae	HYC	Limoniaceae	LMO	Metteniusaceae	MET
Hypericaceae	HYP	Linaceae	LIN	Mimosaceae	MIM
Hypolepidaceae	HPL	Lindsaeaceae	LND	Misodendraceae	MIS
Hypoxidaceae	HPX	Linnaeaceae	LNA	Mitrastemonaceae	MTR
Hypseocharitaceae	HSC	Lissocarpaceae	LSS	Molluginaceae	MOL
Icacinaceae	ICC	Loasaceae	LOA	Monachosoraceae	MCS
Ilicaceae	ILI	Lobeliaceae	LOB	Monimiaceae	MNM
Illecebraceae	ICB	Loganiaceae	LOG	Monotropaceae	MNT
Illiciaceae	ILC	Lomariopsidaceae	LOM	Montiniaceae	MTN
Iridaceae	IRI	Lophiraceae	LPI	Moraceae	MOR
Irvingiaceae	IRV	Lophopyxidaceae	LPX	Morinaceae	MNA
Isoetaceae	ISO	Lophosoriaceae	LPH	Moringaceae	MRG
Iteaceae	ITE	Loranthaceae	LOR	Muntingiaceae	MUN
Ixerbaceae	IXR	Lowiaceae	LOW	Musaceae	MUS
Ixioliriaceae	IXI	Loxogrammeaceae	LOX	Myodocarpaceae	MYD
Ixonanthaceae	IXO	Loxosomataceae	LXS	Myoporaceae	MYO
Japonoliriaceae	JAP	Luzuriagaceae	LUZ	Myricaceae	MYR
Joinvilleaceae	JNV	Lycopodiaceae	LYC	Myriophyllaceae	MPH
Juglandaceae	JUG	Lygodiaceae	LYG	Myristicaceae	MYS
Julianiaceae	JUL	Lythraceae	LYT	Myrothamnaceae	MTM
Juncaceae	JUN	Mackinlayaceae	MCK	Myrsinaceae	MRS
Juncaginaceae	JCG	Maesaceae	MAE	Myrtaceae	MRT
Kaliphoraceae	KLP	Magnoliaceae	MAG	Myzodendraceae	MYZ
Kaulfussiaceae	KLF	Malaceae	MAL	Najadaceae	NAJ
Kingdoniaceae	KGD	Malesherbiaceae	MLH	Nandinaceae	NAN
Kirkiaceae	KRK	Malpighiaceae	MLP	Napoleonaeaceae	NAP
Koerberliniaceae	KBL	Malvaceae	MLV	Nartheciaceae	NAR
Krameriaceae	KRM	Marantaceae	MRN	Naucleaceae	NAU
Labiatae	LAB	Marattiaceae	MTT	Negripteridaceae	NEG
Lacistemataceae	LCS	Marcgraviaceae	MRC	Nelumbonaceae	NEL
Lactoridaceae	LCT	Marsileaceae	MSL	Nepenthaceae	NEP
Lamiaceae	LAM	Martyniaceae	MAR	Nephrolepidaceae	NPH
Lanariaceae	LAN	Mastixiaceae	MSX	Neumanniaceae	NMN
Lardizabalaceae	LAR	Matoniaceae	MAT	Neuradaceae	NRD
Lauraceae	LAU	Mayacaceae	MAY	Nitrariaceae	NIT
Laxmanniaceae	LAX	Medusagynaceae	MDG	Nolanaceae	NOL
Lecythidaceae	LCY	Medusandraceae	MDA	Nolinaceae	NLN
Ledocarpaceae	LDC	Melanophyllaceae	MLA	Nothofagaceae	NTF

Nyctaginaceae	NYC	Phrymaceae	PHR	Rafflesiaceae	RAF
Nymphaeaceae	NYM	Phyllanthaceae	PLL	Ranunculaceae	RAN
Nypaceae	NYP	Phyllocladaceae	PCL	Rapateaceae	RPT
Nyssaceae	NYS	Phyllonomaceae	PHN	Resedaceae	RSD
Ochnaceae	OCH	Physenaceae	PHY	Restionaceae	RST
Octoknemaceae	OCT	Phytolaccaceae	PHT	Retziaceae	RTZ
Olacaceae	OLC	Picramniaceae	PIC	Rhabdodendraceae	RHB
Oleaceae	OLE	Picrodendraceae	PCR	Rhamnaceae	RHM
Oleandraceae	OLN	Pinaceae	PIN	Rhipogonaceae	RIP
Oliniaceae	OLI	Piperaceae	PIP	Rhizophoraceae	RHZ
Onagraceae	ONA	Pistaciaceae	PIS	Rhodoleiaceae	RHD
Oncothecaceae	ONC	Pittosporaceae	PIT	Rhoipteleaceae	RHP
Onocleaceae	ONO	Plagiogyriaceae	PGY	Rhopalocarpaceae	RPL
Ophioglossaceae	OPH	Plagiopteraceae	PGP	Rhynchocalycaceae	RNC
Opiliaceae	OPI	Plantaginaceae	PTG	Roridulaceae	RRD
Orchidaceae	ORC	Platanaceae	PLT	Rosaceae	ROS
Orobanchaceae	ORO	Platyzomataceae	PTZ	Rousseaceae	ROU
Osmundaceae	OSM	Plocospermataceae	PLO	Rubiaceae	RUB
Oxalidaceae	OXL	Plumbaginaceae	PLB	Ruppiaceae	RUP
Paeoniaceae	PAE	Poaceae	POA	Ruscaceae	RUS
Palmae	PAL	Podoaceae	POD	Rutaceae	RUT
Pandaceae	PDA	Podocarpaceae	PDC	Sabiaceae	SAB
Pandanaceae	PND	Podophyllaceae	PDP	Salicaceae	SAL
Papaveraceae	PAP	Podostemaceae	PDS	Salvadoraceae	SLV
Papilionaceae	PPL	Polemoniaceae	PLM	Salviniaceae	SVN
Paracryphiaceae	PCP	Polygalaceae	PGL	Sambucaceae	SMB
Parkeriaceae	PRK	Polygonaceae	PLG	Samydaceae	SAM
Parnassiaceae	PAR	Polyosmaceae	POL	Saniculaceae	SNC
Passifloraceae	PAS	Polypodiaceae	PLP	Santalaceae	SAN
Paulowniaceae	PAU	Pontederiaceae	PON	Sapindaceae	SAP
Pedaliaceae	PED	Populaceae	POP	Sapotaceae	SPT
Peganaceae	PEG	Portulacaceae	POR	Sarcobataceae	SRB
Pellicieraceae	PEL	Posidoniaceae	POS	Sarcolaenaceae	SRC
Penaecaceae	PNA	Potaliaceae	PTL	Sarcospermataceae	SSP
Pennantiaceae	PNN	Potamogetonaceae	POT	Sargentodoxaceae	SRG
Pentadiplandraceae	PNT	Pottingeriaceae	PTT	Sarraceniaceae	SAR
Pentaphragmataceae	PTP	Primulaceae	PRM	Saurauiaceae	SRA
Pentaphyllaceae	PHC	Prioniaceae	PRI	Saururaceae	SRR
Penthoraceae	PTH	Proteaceae	PRT	Saxifragaceae	SAX
Peperomiaceae	PEP	Psilotaceae	PSL	Scheuchzeriaceae	SZR
Peraceae	PER	Psiloxylaceae	PSX	Schisandraceae	SCS
Peridiscaceae	PRD	Ptaeroxylaceae	PTX	Schizaeaceae	SCZ
Periplocaceae	PRP	Pteridaceae	PTR	Schlegeliaceae	SCH
Petermanniaceae	PTM	Pteridophyllaceae	PPH	Schoepfiaceae	SPF
Petiveriaceae	PTV	Pterostemonaceae	PTS	Sciadopityaceae	SCI
Petrosaviaceae	PSV	Punicaceae	PUN	Scrophulariaceae	SCR
Phellinaceae	PLN	Putranjivaceae	PUT	Scyphostegiaceae	SST
Philadelphaceae	PHD	Pyrolaceae	PYR	Scytopetalaceae	SCT
Philesiaceae	PLS	Quiinaceae	QII	Selaginellaceae	SEL
Philydraceae	PHL	Quillajaceae	QLJ	Setchellanthaceae	SET
Phormiaceae	PHO	Quintiniaceae	QNT	Simaroubaceae	SMR

Simmondsiaceae	SMM	Tetramelaceae	TTM	Welwitschiaceae	WLW
Sinopteridaceae	SIN	Tetrameristaceae	TMR	Winteraceae	WIN
Siparunaceae	SIP	Thalictraceae	THA	Woodsiaceae	WDS
Siphonodontaceae	SPD	Theaceae	TEA	Xanthophyllaceae	XPH
Sladeniaceae	SLD	Theligonaceae	THG	Xanthorrhoeaceae	XAN
Smilacaceae	SML	Thelypteridaceae	THL	Xeronemataceae	XER
Solanaceae	SOL	Themidaceae	THE	Xyridaceae	XYR
Sonneratiaceae	SNN	Theophrastaceae	TEO	Zamiaceae	ZAM
Sparganiaceae	SPG	Thismiaceae	THS	Zannichelliaceae	ZAN
Sphaerosepalaceae	SPS	Thunbergiaceae	THN	Zingiberaceae	ZIN
Sphenocleaceae	SPC	Thurniaceae	THU	Zosteraceae	ZOS
Sphenostemonaceae	SPH	Thymelaeaceae	THY	Zygophyllaceae	ZYG
Spigeliaceae	SGL	Thyrsopteridaceae	THR		
Spiraeaceae	SPI	Ticodendraceae	TIC		
Stachyuraceae	STC	Tiliaceae	TIL		
Stackhousiaceae	STK	Tmesipteridaceae	TMS		
Stangeriaceae	SNG	Tofieldiaceae	TOF		
Staphyleaceae	STP	Toricelliaceae	TOR		
Stegnospermataceae	STG	Tovariaceae	TOV		
Stemonaceae	STM	Trapaceae	TRA		
Stemonuraceae	STO	Trapellaceae	TPL		
Stenomeridaceae	STN	Tremandraceae	TMD		
Sterculiaceae	STR	Tribelaceae	TRB		
Stilaginaceae	SGN	Trichomanaceae	TCM		
Stilbaceae	STL	Trichopodaceae	TCH		
Strasburgeriaceae	STS	Trigoniaceae	TRG		
Strelitziaceae	SRZ	Trilliaceae	TRL		
Streptochaetaceae	SEP	Trimeniaceae	TRM		
Stromatopteridaceae	STT	Triplostegiaceae	TPS		
Strychnaceae	SRY	Tristichaceae	TRS		
Stylidiaceae	SYD	Triuridaceae	TRI		
Stylobasiaceae	SLB	Trochodendraceae	TRC		
Stylocerataceae	SLC	Tropaeolaceae	TRP		
Styracaceae	STY	Turneraceae	TNR		
Surianaceae	SUR	Typhaceae	TYP		
Symphoremataceae	SRM	Ulmaceae	ULM		
Symplocaceae	SYM	Umbelliferae	UMB		
Taccaceae	TAC	Urticaceae	URT		
Taenitidaceae	TAE	Uvulariaceae	UVU		
Tamaricaceae	TAM	Vacciniaceae	VAC		
Tapisciaceae	TAP	Vahliaceae	VHL		
Taxaceae	TAX	Valerianaceae	VAL		
Taxodiaceae	TXO	Velloziaceae	VLL		
Tecophilaeaceae	TEC	Verbenaceae	VRB		
Tepuianthaceae	TEP	Violaceae	VIO		
Ternstroemiaceae	TRN	Viscaceae	VIS		
Tetracarpaeaceae	TCA	Vitaceae	VIT		
Tetracentraceae	TTR	Vittariaceae	VTT		
Tetrachondraceae	TTC	Vivianiaceae	VIV		
Tetradiclidaceae	TDC	Vochysiaceae	VOC		
Tetragoniaceae	TTG	Wellstediaceae	WLS		

**Appendix B** Alphabetical List of Acronyms

ABB	Abolbodaceae	ARA	Araceae	BOR	Boraginaceae
ABL	Amborellaceae	ARD	Aralidiaceae	BPC	Blepharocaryaceae
ACA	Acanthaceae	ARE	Arecaceae	BRA	Brassicaceae
ACE	Aceraceae	ARG	Argophyllaceae	BRB	Barbeyaceae
ACH	Achariaceae	ARL	Araliaceae	BRL	Boerlagellaceae
ACO	Acoraceae	ARS	Aristolochiaceae	BRR	Barringtoniaceae
ACP	Actiniopteridaceae	ARU	Araucariaceae	BRS	Burseraceae
ACT	Actinidiaceae	ASC	Asclepiadaceae	BRT	Bretschneideraceae
ADI	Adiantaceae	ASD	Aspidiaceae	BRX	Brexiaceae
ADX	Adoxaceae	ASG	Asparagaceae	BRY	Boryaceae
AES	Aesculaceae	ASL	Aspleniaceae	BTR	Botrychiaceae
AEX	Aextoxicaceae	ASM	Alseuosmiaceae	BUD	Buddlejaceae
AGA	Agavaceae	ASN	Alsiniaceae	BUT	Butomaceae
AGD	Agdestidaceae	ASP	Asphodelaceae	BUX	Buxaceae
AGP	Agapanthaceae	ASR	Asteranthaceae	BYB	Byblidaceae
AHT	Achatocarpaceae	AST	Asteraceae	BYT	Byttneriaceae
AIT	Aitoniaceae	ATH	Anthericaceae	CAB	Cabombaceae
AIZ	Aizoaceae	ATL	Asteliaceae	CAC	Cactaceae
AKA	Akaniaceae	ATS	Atherospermataceae	CAL	Calycanthaceae
ALG	Alangiaceae	ATY	Athyriaceae	CAM	Campanulaceae
ALI	Alismataceae	AUC	Aucubaceae	CAN	Cannabaceae
ALL	Alliaceae	AUS	Austrobaileyaceae	CAR	Carpodetaceae
ALO	Aloaceae	AVE	Averrhoaceae	CAS	Casuarinaceae
ALS	Alstroemeriaceae	AVI	Avicenniaceae	CCC	Cyclocheilaceae
ALT	Altingiaceae	AZL	Azollaceae	CCD	Cycadaceae
ALZ	Alzateaceae	BAS	Basellaceae	CCH	Cochlospermaceae
AMA	Amaranthaceae	BAT	Bataceae	CCR	Caryocaraceae
AMB	Ambrosiaceae	BAU	Baueraceae	CCT	Calochortaceae
AML	Amaryllidaceae	BBD	Berberidopsidaceae	CDP	Cercidiphyllaceae
AMO	Anomochloaceae	BBS	Biebersteiniaceae	CEC	Cecropiaceae
AMY	Amygdalaceae	BBU	Barbeuiaceae	CEL	Celastraceae
ANA	Anacardiaceae	BCL	Barclayaceae	CEN	Centrolepidaceae
ANC	Ancistrocladaceae	BEG	Begoniaceae	CHB	Chrysobalanaceae
AND	Androstachyaceae	BEH	Behniaceae	CHC	Colchicaceae
ANE	Anemarrhenaceae	BER	Berberidaceae	CHI	Cheiropleuriaceae
ANG	Angiopteridaceae	BET	Betulaceae	CHN	Chenopodiaceae
ANM	Anemiaceae	BIG	Bignoniaceae	CHR	Christenseniaceae
ANN	Annonaceae	BIS	Bischofiaceae	CIC	Cichoriaceae
ANR	Anarthriaceae	BIX	Bixaceae	CIR	Circaeasteraceae
ANS	Anisophylleaceae	BLA	Blandfordiaceae	CIS	Cistaceae
ANT	Antoniaceae	BLE	Blechnaceae	CLC	Calyceraceae
APD	Apodanthaceae	BLN	Balanopaceae	CLE	Clethraceae
APE	Asteropeiaceae	BLS	Balsaminaceae	CLI	Calceolariaceae
APG	Aponogetonaceae	BLT	Balanitaceae	CLL	Callitrichaceae
APH	Aphyllanthaceae	BML	Bromeliaceae	CLM	Carlemanniaceae
API	Apiaceae	BMN	Burmanniaceae	CLO	Chloanthaceae
APL	Aphloiaceae	BNI	Burmiaceae	CLR	Chloranthaceae
APN	Aphanopetalaceae	BNL	Brunelliaceae	CLT	Celtidaceae
APO	Apocynaceae	BNN	Brunoniaceae	CLU	Clusiaceae
APS	Apostasiaceae	BNP	Balanophoraceae	CMB	Combretaceae
APT	Aptandraceae	BOM	Bombacaceae	CMC	Cleomaceae
AQF	Aquifoliaceae	BON	Bonnetiaceae	CMM	Commelinaceae

CMP	Compositae	DAT	Datisceae	ERO	Eriocaulaceae
CNA	Cannaceae	DAV	Davalliaceae	ERP	Erythralaceae
CNC	Corynocarpaceae	DCH	Dichapetalaceae	ERX	Erythroxyaceae
CNL	Canellaceae	DCK	Dicksoniaceae	ESC	Escalloniaceae
CNM	Cynomoriaceae	DCL	Diclidanthraceae	EUP	Euphorbiaceae
CNN	Connaraceae	DCM	Dirachmaceae	EUR	Euryalaceae
CNR	Cneoraceae	DCO	Dichondraceae	FAB	Fabaceae
CNT	Canotiaceae	DCR	Dicrasyliaceae	FAG	Fagaceae
CNV	Convolvulaceae	DDM	Didymelaceae	FCO	Francoaceae
COB	Cobaeaceae	DEG	Degeneriaceae	FIC	Ficoidaceae
COD	Coridaceae	DGD	Diegodendraceae	FLC	Flacourtiaceae
COL	Columelliaceae	DIA	Diapensiaceae	FLG	Flagellariaceae
COP	Coptaceae	DID	Didiereaceae	FLN	Flindersiaceae
COR	Cornaceae	DIE	Diervillaceae	FNK	Frankeniaceae
COS	Corsiaceae	DLL	Dilleniaceae	FOE	Foetidiaceae
COT	Costaceae	DLP	Dialypetalanthaceae	FOQ	Fouquieriaceae
CPD	Cypripediaceae	DNT	Donatiaceae	FUM	Fumariaceae
CPH	Cephalotaceae	DOD	Dodonaeeae	GAR	Garryaceae
CPM	Campynemataceae	DON	Dioncophyllaceae	GCD	Glaucidiaceae
CPN	Carpinaceae	DOR	Doryanthaceae	GEL	Gelsemiaceae
CPP	Capparaceae	DPC	Dipterocarpaceae	GEN	Gentianaceae
CPR	Caprifoliaceae	DPH	Daphniphyllaceae	GEO	Geosiridaceae
CPT	Crypteroniaceae	DPN	Dipentodontaceae	GER	Geraniaceae
CRC	Caricaceae	DPS	Dipsacaceae	GGR	Gymnogrammitidaceae
CRD	Cordiaceae	DPT	Dipteridaceae	GIS	Gisekiaceae
CRG	Cryptogrammeae	DRC	Dracaenaceae	GLB	Globulariaceae
CRL	Corylaceae	DRO	Drosophyllaceae	GLC	Gleicheniaceae
CRM	Croomiaceae	DRS	Droseraceae	GMM	Grammitidaceae
CRO	Crossosomataceae	DRY	Dryopteridaceae	GNE	Gnetaceae
CRP	Cardiopteridaceae	DSC	Dioscoreaceae	GNK	Ginkgoaceae
CRR	Coriariaceae	DSF	Desfontainiaceae	GNN	Gunneraceae
CRS	Crassulaceae	DST	Dennstaedtiaceae	GNS	Gonystylaceae
CRT	Cartonemataceae	DUK	Duckeodendraceae	GOD	Goodeniaceae
CRU	Cruciferae	DUL	Dulongiaceae	GOM	Gomortegaceae
CRY	Caryophyllaceae	DVD	Davidiaceae	GOU	Goupiaceae
CSL	Caesalpiniaceae	DVS	Davidsoniaceae	GRB	Grubbiaceae
CSS	Cassythaceae	EBN	Ebenaceae	GRI	Griselinaceae
CTH	Cyatheaceae	ECD	Ecdeiocoleaceae	GRM	Gramineae
CTL	Ctenolophonaceae	ECM	Eucommiaceae	GRS	Grossulariaceae
CTP	Ceratophyllaceae	ECR	Eucryphiaceae	GRY	Greyiaceae
CTX	Cephalotaxaceae	EHR	Ehretiaceae	GSL	Geissolomataceae
CUC	Cucurbitaceae	ELC	Elaeocarpaceae	GSN	Gesneriaceae
CUL	Culcitaceae	ELE	Elaeagnaceae	GTZ	Goetzeaceae
CUN	Cunoniaceae	ELO	Elodeaceae	GUT	Guttiferae
CUP	Cupressaceae	ELP	Elaphoglossaceae	GYR	Gyrostemonaceae
CUR	Curtisiaceae	ELT	Elatinaceae	HAE	Haemodoraceae
CUS	Cuscutaceae	EMB	Emblingiaceae	HAL	Haloragaceae
CVL	Convallariaceae	EMP	Empetraceae	HAM	Hamamelidaceae
CYC	Cyclanthaceae	EPC	Epacridaceae	HCO	Hydrocotylaceae
CYM	Cymodoceaceae	EPH	Ephedraceae	HCS	Hippocastanaceae
CYN	Cyanastraceae	EPM	Eupomatiaceae	HCT	Hectorellaceae
CYP	Cyperaceae	EPR	Euphroniaceae	HCY	Hydrocaryaceae
CYR	Cyrillaceae	EPT	Eupteleaceae	HDC	Hydrocharitaceae
CYT	Cytinaceae	EQU	Equisetaceae	HDL	Hydroleaceae
DAN	Danaeaceae	ERI	Ericaceae	HDN	Hydnoraceae
DAS	Dasypogonaceae	ERM	Eremosynaceae	HDR	Hydrangeaceae

HDS	Hydrastidaceae	KLP	Kaliphoraceae	MEL	Meliaceae
HEL	Helleboraceae	KRK	Kirkiaceae	MEN	Menthaceae
HEM	Hemionitidaceae	KRM	Krameriaceae	MET	Metteniusaceae
HLC	Heliconiaceae	LAB	Labiatae	MIM	Mimosaceae
HLM	Helminthostachyaceae	LAM	Lamiaceae	MIS	Misodendraceae
HLS	Halesiaceae	LAN	Lanariaceae	MLA	Melanophyllaceae
HLT	Heliotropiaceae	LAR	Lardizabalaceae	MLH	Malesherbiaceae
HLW	Helwingiaceae	LAU	Lauraceae	MLN	Melanthiaceae
HMB	Humbertiaceae	LAX	Laxmanniaceae	MLO	Meliosmaceae
HMP	Hymenophyllaceae	LCS	Lacistemataceae	MLP	Malpighiaceae
HMR	Hemerocallidaceae	LCT	Lactoridaceae	MLS	Melastomataceae
HMT	Himantandraceae	LCY	Lecythidaceae	MLV	Malvaceae
HNG	Hanguanaceae	LDC	Ledocarpaceae	MMC	Memecylaceae
HOU	Humiriaceae	LEE	Leeaceae	MNA	Morinaceae
HPC	Hippocrateaceae	LEG	Leguminosae	MND	Mendonciaceae
HPH	Halophytaceae	LEO	Leonticaceae	MNM	Monimiaceae
HPL	Hypolepidaceae	LIL	Liliaceae	MNS	Menispermaceae
HPS	Hymenophyllopsidaceae	LIM	Limnanthaceae	MNT	Monotropaceae
HPT	Hoplostigmataceae	LIN	Linaceae	MNY	Menyanthaceae
HPU	Hippuridaceae	LLA	Lilaeaceae	MOL	Molluginaceae
HPX	Hypoxidaceae	LMC	Limnocharitaceae	MOR	Moraceae
HRN	Hernandiaceae	LMN	Lemnaceae	MPH	Myriophyllaceae
HRQ	Henriqueziaceae	LMO	Limoniaceae	MRC	Marcgraviaceae
HRR	Herreriaceae	LNA	Linnaeaceae	MRG	Moringaceae
HSC	Hypseocharitaceae	LND	Lindsaeaceae	MRN	Marantaceae
HSP	Hesperocallidaceae	LNN	Lennoaceae	MRS	Myrsinaceae
HST	Hydrostachyaceae	LNT	Lentibulariaceae	MRT	Myrtaceae
HTP	Heteropyxidaceae	LOA	Loasaceae	MSL	Marsileaceae
HUA	Huaceae	LOB	Lobeliaceae	MSM	Mesembryanthemaceae
HUG	Hugoniaceae	LOG	Loganiaceae	MSP	Mespilaceae
HUP	Huperziaceae	LOM	Lomariopsidaceae	MSX	Mastixiaceae
HYA	Hyacinthaceae	LOR	Loranthaceae	MTH	Melanthaceae
HYC	Hypecoaceae	LOW	Lowiaceae	MTM	Myrothamnaceae
HYD	Hydrophyllaceae	LOX	Loxogrammaceae	MTN	Montiniaceae
HYP	Hypericaceae	LPB	Lepidobotryaceae	MTR	Mitrastemonaceae
HYT	Hydatellaceae	LPH	Lophosoriaceae	MTT	Marattiaceae
ICB	Illecebraceae	LPI	Lophiraceae	MTX	Metaxyaceae
ICC	Icacinaceae	LPR	Lepuropetalaceae	MUN	Muntingiaceae
ILC	Illiciaceae	LPX	Lophopyxidaceae	MUS	Musaceae
ILI	Ilicaceae	LSS	Lissocarpaceae	MYD	Myodocarpaceae
IRI	Iridaceae	LTN	Leitneriaceae	MYO	Myoporaceae
IRV	Irvingiaceae	LUZ	Luzuriagaceae	MYR	Myricaceae
ISO	Isoetaceae	LXS	Loxosomataceae	MYS	Myristicaceae
ITE	Iteaceae	LYC	Lycopodiaceae	MYZ	Myzodendraceae
IXI	Ixioliriaceae	LYG	Lygodiaceae	NAJ	Najadaceae
IXO	Ixonanthaceae	LYT	Lythraceae	NAN	Nandinaceae
IXR	Ixerbaceae	MAE	Maesaceae	NAP	Napoleonaeaceae
JAP	Japonoliriaceae	MAG	Magnoliaceae	NAR	Nartheciaceae
JCG	Juncaginaceae	MAL	Malaceae	NAU	Naucleaceae
JNV	Joinvilleaceae	MAR	Martyniaceae	NEG	Negripteridaceae
JUG	Juglandaceae	MAT	Matoniaceae	NEL	Nelumbonaceae
JUL	Julianiaceae	MAY	Mayacaceae	NEP	Nepenthaceae
JUN	Juncaceae	MCK	Mackinlayaceae	NIT	Nitrariaceae
KBL	Koerberliniaceae	MCS	Monachosoraceae	NLN	Nolinaceae
KGD	Kingdoniaceae	MDA	Medusandraceae	NMN	Neumanniaceae
KLF	Kaulfussiaceae	MDG	Medusagynaceae	NOL	Nolanaceae

NPH	Nephrolepidaceae	PLB	Plumbaginaceae	RIP	Rhipogonaceae
NRD	Neuradaceae	PLG	Polygonaceae	RNC	Rhynchoalycaceae
NTF	Nothofagaceae	PLL	Phyllanthaceae	ROS	Rosaceae
NYC	Nyctaginaceae	PLM	Polemoniaceae	ROU	Rousseaceae
NYM	Nymphaeaceae	PLN	Phellinaceae	RPL	Rhopalocarpaceae
NYP	Nypaceae	PLO	Plocospermataceae	RPT	Rapateaceae
NYS	Nyssaceae	PLP	Polypodiaceae	RRD	Roridulaceae
OCH	Ochnaceae	PLS	Philesiaceae	RSD	Resedaceae
OCT	Octoknemaceae	PLT	Platanaceae	RST	Restionaceae
OLC	Olacaceae	PNA	Penaeaceae	RTZ	Retziaceae
OLE	Oleaceae	PND	Pandanaceae	RUB	Rubiaceae
OLI	Oliniaceae	PNN	Pennantiaceae	RUP	Ruppiaceae
OLN	Oleandraceae	PNT	Pentadiplandraceae	RUS	Ruscaceae
ONA	Onagraceae	POA	Poaceae	RUT	Rutaceae
ONC	Oncothecaceae	POD	Podoaceae	SAB	Sabiaceae
ONO	Onocleaceae	POL	Polyosmaceae	SAL	Salicaceae
OPH	Ophioglossaceae	PON	Pontederiaceae	SAM	Samydaceae
OPI	Opiliaceae	POP	Populaceae	SAN	Santalaceae
ORC	Orchidaceae	POR	Portulacaceae	SAP	Sapindaceae
ORO	Orobanchaceae	POS	Posidoniaceae	SAR	Sarraceniaceae
OSM	Osmundaceae	POT	Potamogetonaceae	SAX	Saxifragaceae
OXL	Oxalidaceae	PPH	Pteridophyllaceae	SCH	Schlegeliaceae
PAE	Paeoniaceae	PPL	Papilionaceae	SCI	Sciadopityaceae
PAL	Palmae	PRD	Peridiscaceae	SCR	Scrophulariaceae
PAP	Papaveraceae	PRI	Prioniaceae	SCS	Schisandraceae
PAR	Parnassiaceae	PRK	Parkeriaceae	SCT	Scytometalaceae
PAS	Passifloraceae	PRM	Primulaceae	SCZ	Schizaeaceae
PAU	Paulowniaceae	PRP	Periplocaceae	SEL	Selaginellaceae
PCL	Phyllocladaceae	PRT	Proteaceae	SEP	Streptochaetaceae
PCP	Paracryphiaceae	PSL	Psilotaceae	SET	Setchellanthaceae
PCR	Picodendraceae	PSV	Petrosaviaceae	SGL	Spigeliaceae
PDA	Pandaceae	PSX	Psiloxylaceae	SGN	Stilaginaceae
PDC	Podocarpaceae	PTG	Plantaginaceae	SIN	Sinopteridaceae
PDP	Podophyllaceae	PTH	Penthoraceae	SIP	Siparunaceae
PDS	Podostemaceae	PTL	Potaliaceae	SLB	Stylobasiaceae
PED	Pedaliaceae	PTM	Petermanniaceae	SLC	Stylocerataceae
PEG	Peganaceae	PTP	Pentaphragmataceae	SLD	Sladeniaceae
PEL	Pellicieraceae	PTR	Pteridaceae	SLV	Salvadoraceae
PEP	Peperomiaceae	PTS	Pterostemonaceae	SMB	Sambucaceae
PER	Peraceae	PTT	Pottingeriaceae	SML	Smilacaceae
PGL	Polygalaceae	PTV	Petiveriaceae	SMM	Simmondsiaceae
PGP	Plagiopteraceae	PTX	Ptaeroxylaceae	SMR	Simaroubaceae
PGY	Plagiogyriaceae	PTZ	Platyzomataceae	SNC	Saniculaceae
PHC	Pentaphylacaceae	PUN	Punicaceae	SNG	Stangeriaceae
PHD	Philadelphaceae	PUT	Putranjivaceae	SNN	Sonneratiaceae
PHL	Philydraceae	PYR	Pyrolaceae	SOL	Solanaceae
PHN	Phyllonomaceae	QII	Quiinaceae	SPC	Sphenocleaceae
PHO	Phormiaceae	QLJ	Quillajaceae	SPD	Siphonodontaceae
PHR	Phrymaceae	QNT	Quintiniaceae	SPF	Schoepfiaceae
PHT	Phytolaccaceae	RAF	Rafflesiaceae	SPG	Sparganiaceae
PHY	Physenaceae	RAN	Ranunculaceae	SPI	Spiraeaceae
PIC	Picramniaceae	RHB	Rhabdodendraceae	SPS	Sphaerosepalaceae
PIN	Pinaceae	RHD	Rhodoleiaceae	SPT	Sapotaceae
PIP	Piperaceae	RHM	Rhamnaceae	SPH	Sphenostemonaceae
PIS	Pistaciaceae	RHP	Rhoipteleaceae	SRA	Saurauiceae
PIT	Pittosporaceae	RHZ	Rhizophoraceae	SRB	Sarcobataceae

SRC	Sarcolaenaceae	TEA	Theaceae	TTC	Tetrachondraceae
SRG	Sargentodoxaceae	TEC	Tecophilaeaceae	TTG	Tetragoniaceae
SRM	Symphoremataceae	TEO	Theophrastaceae	TTM	Tetramelaceae
SRR	Saururaceae	TEP	Tepuianthaceae	TTR	Tetracentraceae
SRY	Strychnaceae	THA	Thalictraceae	TXO	Taxodiaceae
SRZ	Strelitziaceae	THE	Themidaceae	TYP	Typhaceae
SSP	Sarcospermataceae	THG	Theligonaceae	ULM	Ulmaceae
SST	Scyphostegiaceae	THL	Thelypteridaceae	UMB	Umbelliferae
STC	Stachyuraceae	THN	Thunbergiaceae	URT	Urticaceae
STG	Stegnospemataceae	THR	Thyrsopteridaceae	UVU	Uvulariaceae
STK	Stackhousiaceae	THS	Thismiaceae	VAC	Vacciniaceae
STL	Stilbaceae	THU	Thurniaceae	VAL	Valerianaceae
STM	Stemonaceae	THY	Thymelaeaceae	VHL	Vahliaceae
STN	Stenomeridaceae	TIC	Ticodendraceae	VIO	Violaceae
STO	Stemonuraceae	TIL	Tiliaceae	VIS	Viscaceae
STP	Staphyleaceae	TMD	Tremadraceae	VIT	Vitaceae
STR	Strasburgeriaceae	TMR	Tetrameristaceae	VIV	Vivianiaceae
STS	Strasburgeriaceae	TMS	Tmesipteridaceae	VLL	Velloziaceae
STT	Stromatopteridaceae	TNR	Turneraceae	VOC	Vochysiaceae
STY	Styracaceae	TOF	Tofieldiaceae	VRB	Verbenaceae
SUR	Surianaceae	TOR	Toricelliaceae	VTT	Vittariaceae
SVN	Salviniaceae	TOV	Tovariaceae	WDS	Woodsiaceae
SYD	Stylidiaceae	TPL	Trapellaceae	WIN	Winteraceae
SYM	Symplocaceae	TPS	Triplostegiaceae	WLS	Wellstediaceae
SZR	Scheuchzeriaceae	TRA	Trapaceae	WLW	Welwitschiaceae
TAC	Taccaceae	TRB	Tribelaceae	XAN	Xanthorrhoeaceae
TAE	Taenitidaceae	TRC	Trochodendraceae	XER	Xeronemataceae
TAM	Tamaricaceae	TRG	Trigoniaceae	XPH	Xanthophyllaceae
TAP	Tapisciaceae	TRI	Triuridaceae	XYR	Xyridaceae
TAX	Taxaceae	TRL	Trilliaceae	ZAM	Zamiaceae
TCA	Tetracarpaeaceae	TRM	Trimeniaceae	ZAN	Zannichelliaceae
TCH	Trichopodaceae	TRN	Ternstroemiaceae	ZIN	Zingiberaceae
TCM	Trichomanaceae	TRP	Tropaeolaceae	ZOS	Zosteraceae
TDC	Tetradiclidaceae	TRS	Tristichaceae	ZYG	Zygophyllaceae