

Appendix 1: Literature used to infer phylogenetic relationships of the studied species at the family level

Asteraceae

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Sang, T., Crawford, D.J., Kim, S.C. & Stuessy, T.F. 1994. Radiation of the Endemic Genus *Dendroseris* (Asteraceae) on the Juan-Fernandez-Islands - Evidence from sequences of the ITS regions of nuclear ribosomal DNA. *Am. J. Bot.*, **81**: 1494-1501.

Brassicaceae

Koch, M., Haubold, B. & Mitchell-Olds, T. 2001. Molecular systematics of the

Brassicaceae: evidence from coding plastidic matK and nuclear Chs sequences. *Am. J. Bot.*, **88**: 534-544.

Ericaceae

Freudenstein, J.V. (1999) Relationships and character transformation in Pyroloideae

(Ericaceae) based on ITS sequences, morphology, and development. *Syst. Bot.*, **24**: 398-408.

Kron, K.A., Fuller, R., Crayn, D.M., Gadek, P.A. & Quinn, C.J. 1999. Phylogenetic relationships of Epacrids and Vaccinioids (Ericaceae s. l.) based on matK sequence data. *Plant Syst. Evol.*, **218**: 55-65.

Fabaceae

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- Arambarri, A.M. 2000. A cladistic analysis of the Old World species of *Lotus* L. (Fabaceae: Loteae). *Can. J. Bot.*, **78**: 351-360.
- Asmussen, C.B. & Liston, A. 1998. Chloroplast DNA characters, phylogeny, and classification of *Lathyrus* (Fabaceae). *Am. J. Bot.*, **85**: 387-401.
- Bena, G. 2001. Molecular phylogeny supports the morphologically based taxonomic transfer of the "medicagoid" *Trigonella* species to the genus *Medicago* L. *Plant Syst. Evol.*, **229**: 217-236.
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- Gonzales, G.L. 2004. On *Anthyllis onobrychioides* Cav. and the genus *Dorycnopsis* Boiss. (Leguminosae-Loteae). *Anales del Jardin Botanico de Madrid*, **61**: 181-184.
- Jaaska, V. 2005. Isozyme Variation and Phylogenetic Relationships in *Vicia* subgenus *Cracca* (Fabaceae). *Ann. Bot.*, **96**: 1085-1096.
- Kass, E. & Wink, M. 1997. Phylogenetic relationships in the Papilionoideae (family Leguminosae) based on nucleotide sequences of cpDNA (rbcL) and ncDNA (ITS 1 and 2). *Mol. Phylogenet. Evol.*, **8**: 65-88.
- Kass, E. & Wink, M. 1997. Molecular phylogeny and phylogeography of *Lupinus* (Leguminosae) inferred from nucleotide sequences of the rbcL gene and ITS 1+2 regions of rDNA. *Plant Syst. Evol.*, **208**: 139-167.
- Pardo, C., Cubas, P. & Tahiri, H. 2004. Molecular phylogeny and systematics of *Genista*

- (Leguminosae) and related genera based on nucleotide sequences of nrDNA (ITS region) and cpDNA (trnL-trnF intergenic spacer). *Plant Syst. Evol.*, **244**: 93-119.
- Kenicer, G.J., Kajita, T., Pennington, R.T. & Murata, J. 2005. Systematics and biogeography of *Lathyrus* (Leguminosae) based on internal transcribed spacer and cpdna sequence data. *Am. J. Bot.*, **92**: 1199-1209.
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- Potokina, E., Tomooka, N., Vaughan, D.A., Alexandrova, T. & Xu, R.Q. 1999. Phylogeny of *Vicia* subgenus *Vicia* (Fabaceae) based on analysis of RAPDs and RFLP of PCR-amplified chloroplast genes. *Genet. Resour. Crop Ev.*, **46**: 149-161.
- Steele, K. P. and Wojciechowski, M. F. 2003. Phylogenetic analyses of tribes Trifolieae and Vicieae, based on sequences of the plastid gene matK (Papilionoideae: Leguminosae). In *Advances in Legume systematics* (B.B. Klitgaard and A. Bruneau, eds.), pp. 355-370. Kew, UK: Royal Botanical Gardens.
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Lamiaceae

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Malvaceae

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2005. Phylogenetic relationships within the tribe Malveae (Malvaceae, subfamily Malvoideae) as inferred from its sequence data. *Am. J. Bot.*, **92**: 584-602.

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Ranunculaceae

Hoot, S.B. 1995. Phylogeny of the Ranunculaceae based on preliminary *atpB*, *rbcL* and 18S nuclear ribosomal DNA sequence data. *Plant Syst. Evol.*, **9**: 241-251.

Johansson, J.T. 1995. A revised chloroplast DNA phylogeny of the Ranunculaceae. *Plant Syst. Evol.*, **9**: 253-261.

Solanaceae

Prohens, J., Anderson, G.J., Blanca, J.M., Canizares, J., Zuriaga, E. & Nuez, F. 2006. The implications of AFLP data for the systematics of the wild species of *Solanum* section *Basarthrum*. *Syst. Bot.*, **31**: 208-216.

Scrophulariaceae

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Zingiberaceae

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