

Supplementary file 1 to: Molecular phylogeny of *Atractocarpus* (Rubiaceae): taxonomic implications for several New Caledonian Gardenieae species

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Supplementary file 1 – Specimens used for molecular sequencing, with the following information: species name; *voucher specimen* (herbarium acronym between parentheses or botanic garden of cultivation); origin (wild) or cultivated voucher (“Culture”); accession number for ITS, accession number for *rpl32*, accession number for *trnT*. NA = non-available DNA sequence.

Aidia abeidii S.E.Dawson & Gereau; *Luke 8317* (UPS); Africa; MK165319, KJ136902, MK165270. *Aidia congesta* (Schltr. & K.Krause) Ridsdale; *Mouly 744* (P); New Caledonia; MK165320, KJ816122, MK165271. *Aidia racemosa* (Cav.) Tirveng.; *Ridsdale VD. 13* (S); South-East Asia; MK165321, NA, NA. *Aidia vieillardii* (Baill.) Ridsdale; *Mouly 331* (P); New Caledonia; MK165322, MK123892, MK165272. *Atractocarpus aragoensis* Guillaumin; *Munzinger 3539* (NOU); New Caledonia; MK165281, MK123862, MK165233. *Atractocarpus artensis* (Guillaumin) Mouly; *Barrabé 755* (NOU); New Caledonia; MK165309, MK123883, MK165260. *Atractocarpus baladicus* (Montrouz. ex Guillaumin & Beauvis.) Mouly; *Barrabé 352* (NOU); New Caledonia; MK165311, MK123885, MK165262. *Atractocarpus bracteatus* Schltr. & K.Krause; *Mouly 213* (P); New Caledonia; MK165282, MK123863, MK165234. *Atractocarpus brandzeanus* (Baill.) Mouly; *Bruy 1042* (NOU); New Caledonia; MK165301, MK123877, MK165253. *Atractocarpus carolinensis* (Valeton) Puttock; *Fosberg 60242* (P); Caroline Islands; MK165342, MK123905, KF965274. *Atractocarpus colnettianus* (Guillaumin) Mouly; *Bruy 154* (NOU); New Caledonia; MK165283, MK123864, MK165235. *Atractocarpus confertus* (Guillaumin) Mouly; *Mouly 337* (P); New Caledonia; MK165305, MK123880, MK165257. *Atractocarpus crosbyi* (Burckill) Puttock; *Lorence 87005* (NTBG); Tonga; MK165284, NA, MK165236. *Atractocarpus deplanchei* (Vieill. ex Guillaumin) Mouly; *Munzinger 2357* (NOU); New Caledonia; MK165306, MK123881, MK165258. *Atractocarpus fitzalanii* (F.Muell.) Puttock; *Puttock 88000767* (S); Australia; MK165285, NA, MK165237. *Atractocarpus heterophyllus* (Montrouz.) Guillaumin & Beauvis.; *Mouly 850* (P); New Caledonia; MK165286, KJ136904, MK165238. *Atractocarpus hirtus* (F.Muell.) Puttock; *Fosberg 61489* (P); Australia; MK165287, NA, MK165239. *Atractocarpus longistipitatus* Guillaumin; *Mouly 742* (P); New Caledonia; MK165288, MK123865, MK165240. *Atractocarpus merikin* (F.M.Bailey) Puttock; *Webb 11457* (P); Australia; MK165289, NA, MK165241. *Atractocarpus mollis* (Schltr.)

Mouly; *Mouly 808* (P); New Caledonia; MK165307, KJ816154, MK165259. *Atractocarpus ngoyensis* (Schltr.) Mouly; *Munzinger 1565* (P); New Caledonia; MK165313, MK123887, MK165264. *Atractocarpus nigricans* (Schltr.) Mouly; *Mouly 23* (P); New Caledonia; MK165314, MK123888, MK165265. *Atractocarpus pancherianus* (Guillaumin) Mouly; *Mouly 857* (P); New Caledonia; MK165315, MK123889, MK165266. *Atractocarpus pentagonioides* (Seem.) Puttock; *Smith 8376* (S); Fiji; MK165339, KJ816130, KF965266. *Atractocarpus platyxydon* (Vieill. ex Pancher & Sebert) Guillaumin; *Munzinger 2373* (NOU); New Caledonia; MK165290, MK123866, MK165242. *Atractocarpus pseudoterminalis* (Guillaumin) Mouly; *Munzinger 2256* (NOU); New Caledonia; MK165316, MK123890, MK165267. *Atractocarpus pterocarpon* (Guillaumin) Puttock; *Munzinger 2314* (NOU); New Caledonia; MK165308, MK123882, KF965231. *Atractocarpus sessilifolius* Guillaumin; *Mouly 330* (P); New Caledonia; MK165291, MK123867, MK165243. *Atractocarpus seziat* (Guillaumin) Mouly; *Barrabé 716* (NOU); New Caledonia; MK165317, MK123891, MK165268. *Atractocarpus* sp. 1; *Teamotuaitau s.n.* (PAP); French Polynesia; MK165343, MK123906, MK165280. *Atractocarpus* sp. 2; *Munzinger 1631* (NOU); New Caledonia; MK165292, MK123868, MK165244. *Atractocarpus* sp. 3; *Mouly 810* (P); New Caledonia; MK165293, MK123869, MK165245. *Atractocarpus* sp. 4; *Bruy 311* (NOU); New Caledonia; MK165294, MK123870, MK165246. *Atractocarpus* sp. 5; *Mouly 813* (P); New Caledonia; MK165310, MK123884, MK165261. *Atractocarpus* sp. 6; *Barrabé 743* (NOU); New Caledonia; MK165295, MK123871, MK165247. *Atractocarpus* sp. 7; *Barrabé 661* (NOU); New Caledonia; MK165296, MK123872, MK165248. *Atractocarpus* sp. 8; *Bruy 953* (NOU); New Caledonia; MK165297, MK123873, MK165249. *Atractocarpus* sp. 9; *Bruy 1000* (NOU); New Caledonia; MK165298, MK123874, MK165250. *Atractocarpus* sp. 10; *Bruy 944* (NOU); New Caledonia; MK165299, MK123875, MK165251. *Atractocarpus* sp. 11; *Bruy 1095* (NOU); New Caledonia; MK165300, MK123876, MK165252. *Atractocarpus* sp. 12; *Barrabé 1513* (NOU); MK165302, MK123878, MK165254. *Atractocarpus stipularis* (F.Muell.) Puttock ex P.S.Green; *Bremer 2734* (S); Lord Howe Islands; MK165303, NA, MK165255. *Atractocarpus vaginatus* Baill. ex Guillaumin; *Mouly 831* (P); New Caledonia; MK165304, MK123879, MK165256. *Brachytome scortechinii* King & Gamble; *David 136* (P); NA, NA, KF965168. *Bungarimba ridsdalei* K.M.Wong; *Wong 2875* (KLU); South-East Asia; MK165323, KJ816128, KF965170. *Catunaregam nilotica* (Stapf) Tirveng.; *de Wilde 3567* (P); Africa; MK165324, MK123893, MK165273. *Catunaregam spinosa* (Thunb.) Tirveng.; *Luke 8332A* (S); South-East Asia; MK165325, MK123894, KF965178. *Deccania pubescens* (Roth) Tirveng.; *Tirvengadum s.n.* (P); NA, NA, KF965188. *Didymosalpinx abbeokutae* (Hiern) Keay; *Verdcourt & Hesse 268* (S); Africa; MK165335, MK123901, KF965243. *Didymosalpinx norae* (Swynn.) Keay; *Andreasen 100* (UPS); Africa; MK165327, MK123896, MK165274. *Dioecrescis erythroclada* (Kurz) Tirveng.; *Wong s.n.* (KLU); origin unknown; NA, NA, KF965192. *Duperrea pavettifolia* (Kurz) Pit. 1; *Bremer s.n.* cultivated (Bergius Botanic Garden living collections, Stockholm); Culture; MK165328, KJ816127, KF965194. *Duperrea pavettifolia* (Kurz) Pit.2;

Averyanov VH4748 (P); South-East Asia; MK165329, MK123897, MK165275. *Galineria saxifraga* (A.Rich.) Bridson; *Luke 8289* (S); South-East Asia; MK165330, NA, KF965202. *Gardenia aubryi* Vieill.; *Mouly 147* (P); New Caledonia; MK165331, MK123898, MK165276. *Gardenia jasminoides* J.Ellis.; *Mouly 382* (P); Culture; MK165332, MK123899, MK165277. *Gardenia oudiepe* Vieill.; *Mouly 201* (P); New Caledonia; MK165333, MK123900, MK165278. *Gardenia urvillei* Montrouz.; *Mouly 842* (P); New Caledonia; MK165334, KJ816167, MK165279. *Porterandia anisophylla* (Jack ex Roxb.) Ridl.; *Zahid 28* (KLU); South-East Asia; MK165335, MK123901, KF965243. *Randia aculeata* L. 1; *F.G.x.1-145* (S); Neotropics; MK165336, KJ136926, HM164334. *Randia aculeata* L. 2; *Killip 10070* (S); Neotropics; MK165337, MK123902, KF965251. *Randia moorei* F.Muell. ex Benth.; *Leiper s.n.* (BRI); Australia; MK165312, MK123886, MK165263. *Randia tuberculosa* F.M.Bailey; *Forster 25715* (BRI); Australia; MK165318, NA, MK165269. *Rubovietnamia aristata* Tirveng.; *Bastien VN352* (P); South-East Asia; MK165338, MK123903, KF965254. *Tamilnadia uliginosa* (Retz.) Tirveng. & Sastre 1; *Tirvengadum 2006* (AAU); South-East Asia; MK165340, MK123904, KF965267. *Tamilnadia uliginosa* (Retz.) Tirveng. & Sastre 2; *Bremer & Bremer 920* (S); South-East Asia; MK165341, KJ816126, KF965268. *Tarennoidea wallichii* (Hook.f.) Tirveng. & Sastre; *Larsen 43720* (AAU); NA, NA, KF965270. *Vidalasia fusca* (Craib) Tirveng.; *Larsen 43277* (P); South-East Asia; MK165344, KJ816132, KF965275. *Vidalasia murina* (Craib) Tirveng.; *Tirvengadum 2004* (P); South-East Asia; MK165345, MK123907, KF965276.