

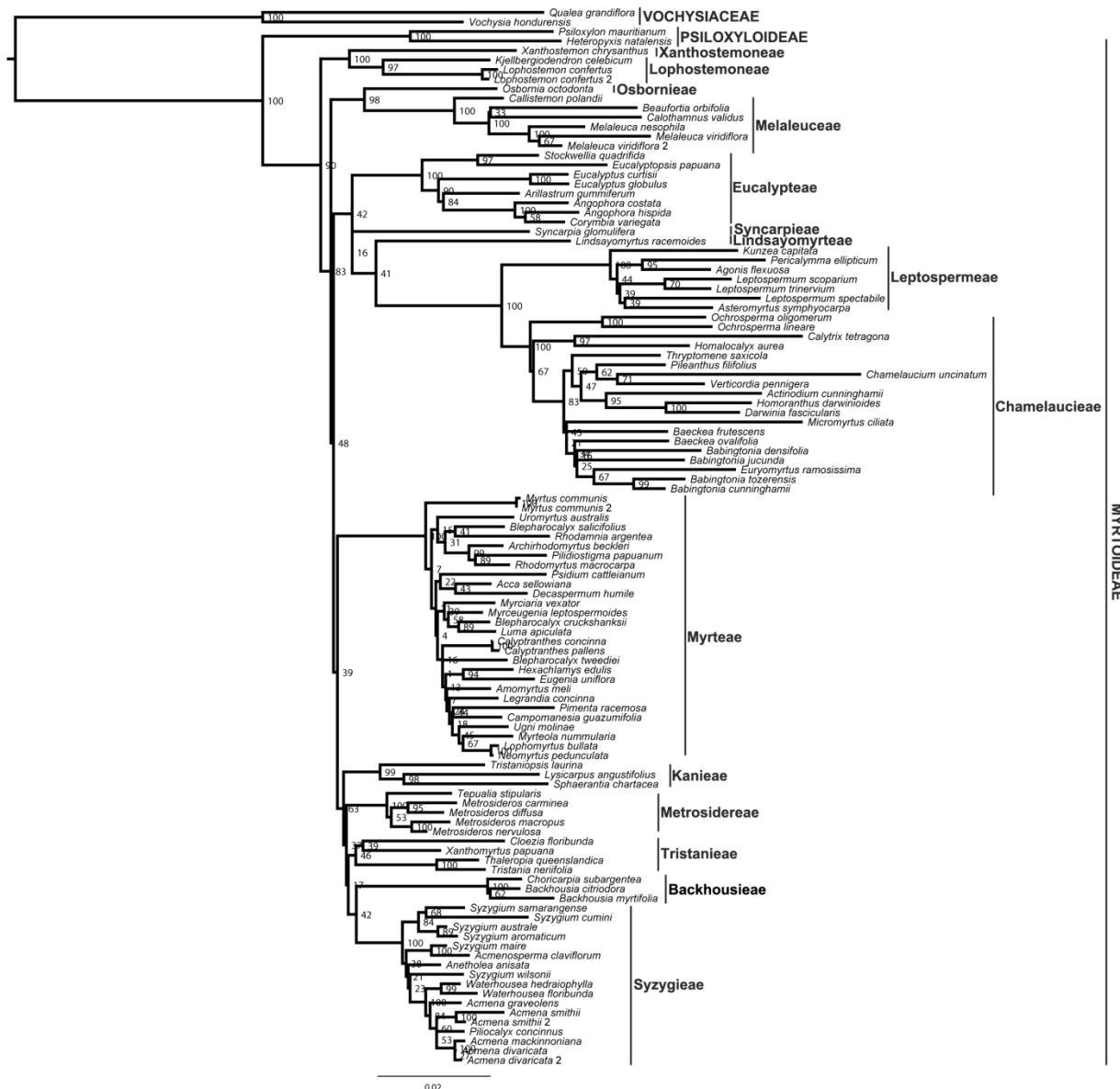
## Supplementary material

### Phylogenetic assessment of pollen characters in Myrtaceae

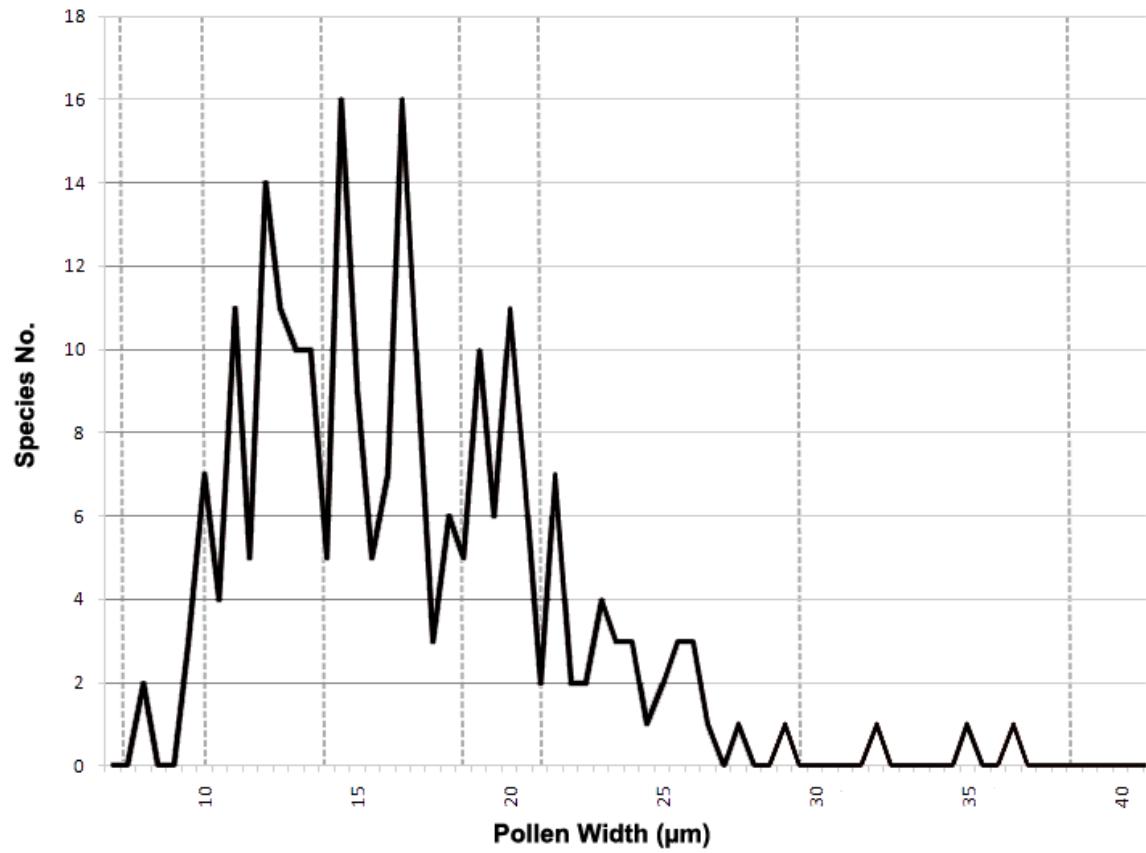
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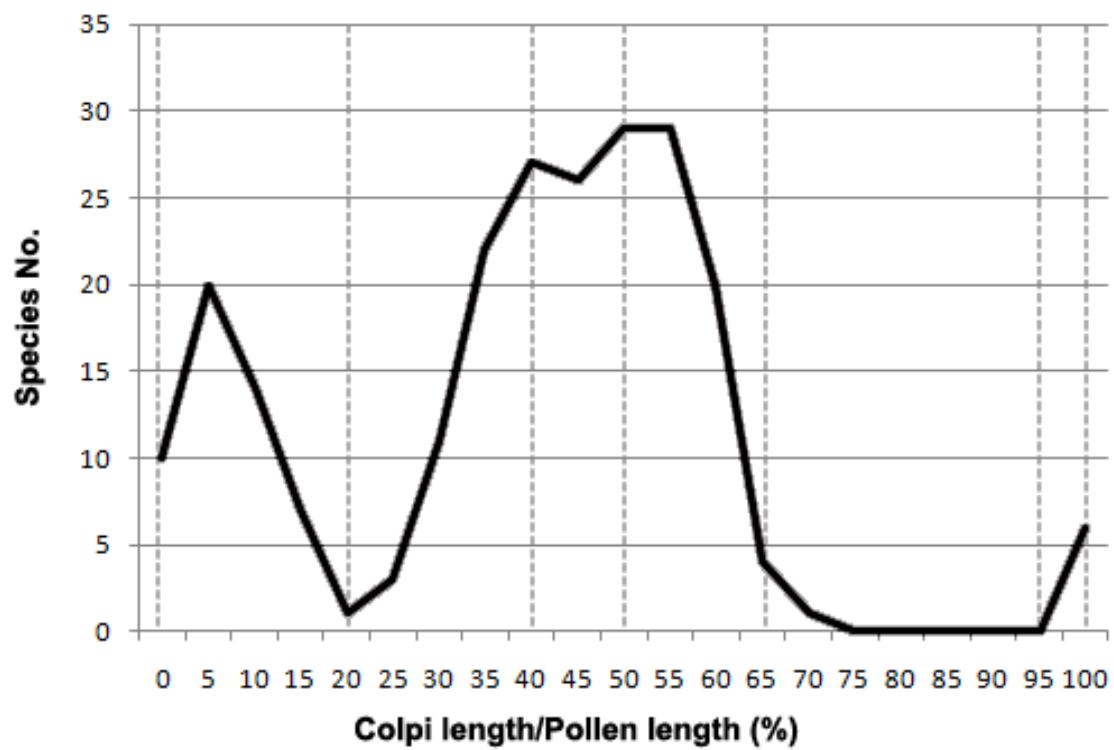
<sup>B</sup>Corresponding author. Email: andrew.thornhill@anu.edu.au



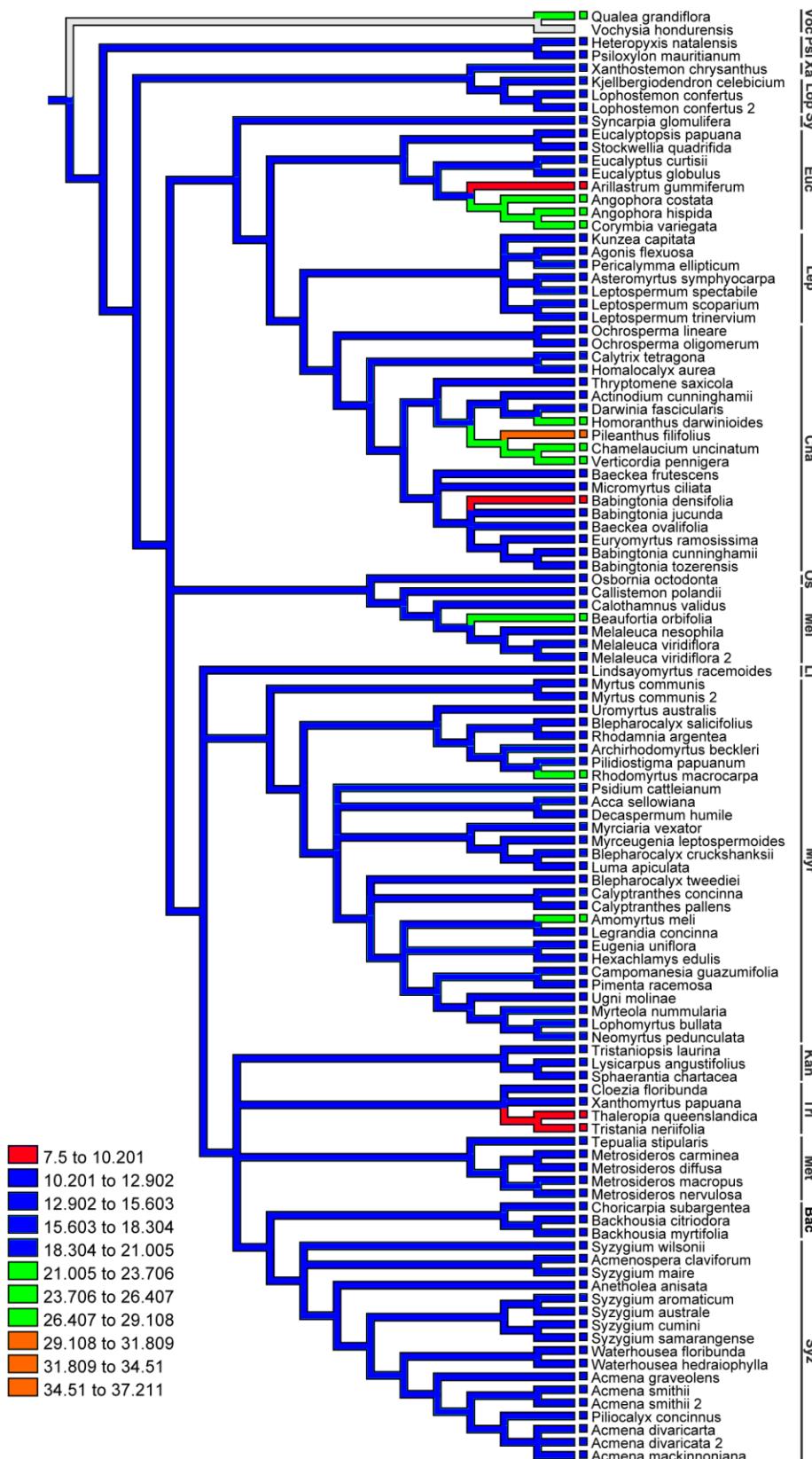
**Fig. S1.** RaxML of combined ITS, *matK* and *ndhF* Myrtaceae sequences with posterior support values at each node.



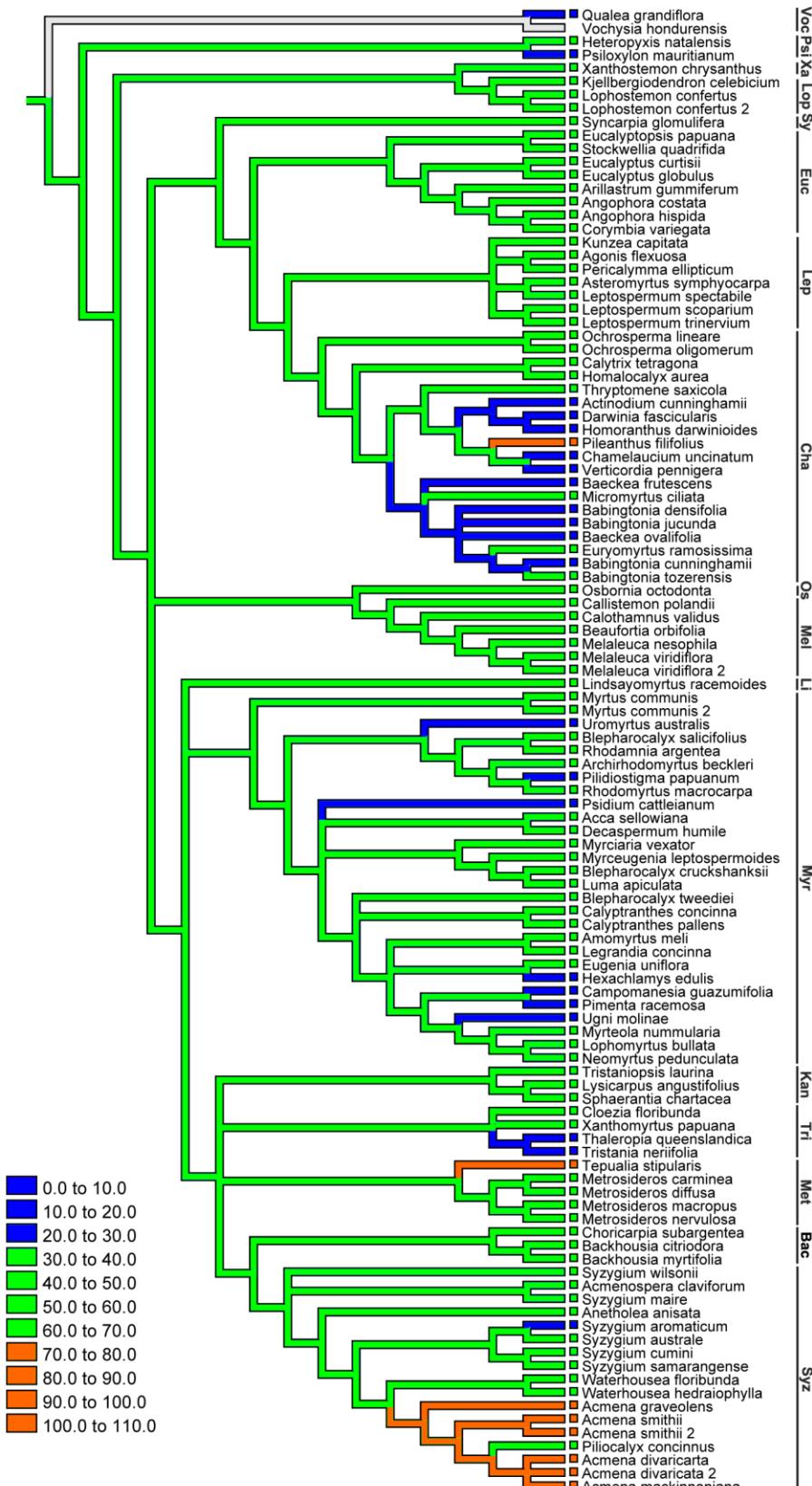
**Fig. S2.** Histogram representing the pollen width range of Myrtaceae. Broken lines indicate discrete measurement bins selected for tree optimisation.



**Fig. S3.** Histogram representing the colpus/length ratio range of Myrtaceae species. Broken lines indicate discrete measurement bins selected for tree optimisation.



**Fig. S4.** Bayesian consensus tree optimised with pollen width bins selected by Mesquite and adjusted by hand to three discrete groups. Voc, Vochysiaceae; Psi, Psiloxyloideae; Xa, Xanthostemoneae; Lop, Lophostemoneae; Sy, Syncarpieae; Euc, Eucalypteae; Lep, Leptospermeae; Cha, Chamelaucieae; Os, Osbornieae; Mel, Melaleuceae; Li, Lindsayomyrtaceae; Myr, Myrtaceae; Kan, Kanieae; Tri, Tristanieae; Met, Metrosidereae; Bac, Backhousiaeae; Syz, Syzygiaeae.



**Fig. S5.** Bayesian consensus tree optimised with colpus/pollen ratio bins selected by Mesquite and adjusted by hand to three discrete groups.

**Table S1. Taxa and sequences used in phylogenetic analyses**

| Taxon  | ITS         | GenBank accession |            |
|--|-------------|-------------------|------------|
|  |             | matK              |            |
|  |             | ndhF              |            |
| <i>Acca sellowiana</i> (O. Berg) Burret                          | AM234067.1  | AY525128.1        | AY498783.1 |
| <i>Acmena divaricata</i> Merr. & L.M.Perry                       | AY187161.2  | DQ088538.1        | DQ088463.1 |
| <i>Acmena divaricata</i> 2 Merr. & L.M.Perry                     | AY187160.2  | DQ088538.1        | DQ088463.1 |
| <i>Acmena graveolens</i> (F.M. Bailey) L. S. Sm.                 | AY187163.2  | AF368194.1        | AY498759.1 |
| <i>Acmena mackinnoniana</i> B.Hyland                             | AY187165.2  | DQ088543.1        | DQ088467.1 |
| <i>Acmena smithii</i> (Poir.) Merr. & L.M.Perry                  | AM234137.1  | AM489974.1        | AY498760.1 |
| <i>Acmena smithii</i> (Poir.) Merr. & L.M.Perry                  | AY187168.2  | —                 | DQ088469.1 |
| <i>Acmenosperma claviflorum</i> (Roxb.) Kausel                   | AY187169.2  | DQ088546.1        | DQ088470.1 |
| <i>Actinodium cunninghamii</i> Schauer                           | —           | AF489394.2        | AY498761.1 |
| <i>Agonis flexuosa</i> (Willd.) Sweet                            | DQ499115.1  | AF184711.2        | AY498762.1 |
| <i>Amomyrtus meli</i> (Phil.) D.Legrand & Kausel                 | AM234069.1  | AM489976.1        | —          |
| <i>Anetholea anisata</i> (Vickery) Peter G.Wilson                | AM234138.1  | AF368195.2        | DQ088471   |
| <i>Angophora costata</i> Britten                                 | AF058455.1  | —                 | AM235418.1 |
| <i>Angophora hispida</i> (Sm.) Blaxell                           | —           | AF368196.2        | AY498763.1 |
| <i>Archirhodomyrtus beckleri</i> (F.Muell.) A.J. Scott           | —           | AF368197.1        | AY498764.1 |
| <i>Arillastrum gummiferum</i> (Brongn. & Gris) Pancher ex Baill. | AF058454    | AF368198.2        | AY498765.1 |
| <i>Asteromyrtus symphyocarpa</i> (F.Muell.) Craven               | EF041509.1  | AF184719.1        | —          |
| <i>Babingtonia cunninghamii</i> (Schauer) A.R.Bean               | —           | AF489356.2        | EF581215.1 |
| <i>Babingtonia densifolia</i> (Sm.) F.Muell.                     | —           | AF489357.2        | EF581216.1 |
| <i>Babingtonia jucunda</i> (S.T.Blake) A.R.Bean                  | —           | EF581198.1        | EF581218.1 |
| <i>Babingtonia tozerensis</i> A.R. Bean                          | —           | AF368199.3        | AY498767.1 |
| <i>Backhousia citriodora</i> F. Muell.                           | —           | AY525129.1        | AY498768.1 |
| <i>Backhousia myrtifolia</i> Hook.                               | EF026609.1  | AF368200.2        | AY498769.1 |
| <i>Baeckea frutescens</i> L.                                     | —           | AF489365.1        | AY498770.1 |
| <i>Baeckea ovalifolia</i> (F.Muell.) F.Muell.                    | —           | EF581206.1        | EF581225.1 |
| <i>Beaufortia orbifolia</i> F. Muell.                            | AF048888.1  | AY521530.1        | AY498766   |
| <i>Blepharocalyx cruckshanksii</i> (Hook. & Arn.) Nied           | AM234070.1  | AM489978.1        | —          |
| <i>Blepharocalyx salicifolius</i> (Kunth) O.Berg                 | AM234084.1  | AM489979.1        | —          |
| <i>Blepharocalyx tweediei</i> (Hook. et Arn.) O. Berg            | —           | AY521531.1        | AY498772.1 |
| <i>Callistemon polandii</i> F.M. Bailey                          | AF048856.1  | AF184705.3        | AY498773.  |
| <i>Calothamnus validus</i> S. Moore                              | —           | AF184704.2        | AY498774.1 |
| <i>Calyptranthes concinna</i> DC.                                | AM234103.1  | AM489980.1        | AY498775.1 |
| <i>Calyptranthes pallens</i> Griseb.                             | —           | AF368201          | AY498776.1 |
| <i>Calytrix tetragona</i> Labill.                                | HM160102/03 | AF489396.1        | AY498777.1 |
| <i>Campomanesia guazumifolia</i>                                 | AM234076.1  | AM489982.1        | DQ088473.1 |
| <i>Chamaelium uncinatum</i> Schauer                              | EF026605.1  | AY259816.1        | —          |
| <i>Choricarpia subargentea</i> (C.T. White) L.A.S.Johnson        | EF026610.1  | AF368202.2        | AY498778.1 |
| <i>Cloezia floribunda</i> Brongn. & Gris                         | AF172767.1  | AY521533.1        | —          |
| <i>Corymbia variegata</i> (F. Muell.) K.D.Hill & L.A.S.Johnson   | AF390462.1  | AF368203.2        | —          |
| <i>Darwinia fascicularis</i> Rudge                               | —           | AF368204.2        | AY498780.1 |
| <i>Decaspermum humile</i> (G. Don) A.J. Scott                    | AM234128.1  | AY521534.1        | AY498781.1 |
| <i>Eucalyptopsis papuana</i> C.T.White                           | AF190354.1  | AF368205.2        | —          |
| <i>Eucalyptus curtisii</i> Blakely & C.T.White                   | AF390524.1  | AF368206.2        | AY498781   |
| <i>Eucalyptus globulus</i> Labill.                               | AY615678.1  | AY521535.1        | AY780259   |
| <i>Eugenia uniflora</i> L.                                       | AM234088.1  | AF368207.2        | DQ088457.1 |
| <i>Euryomyrtus ramosissima</i> (A.Cunn.) Trudgen                 | —           | AF489376.1        | AY498824.1 |
| <i>Heteropyxis natalensis</i> Harv.                              | HM160104/05 | AF368208.2        | AY498784.1 |
| <i>Hexachlamys edulis</i> (O. Berg) Klaus et Legr.               | —           | AY525131.1        | AY498785.1 |
| <i>Homalocalyx aureus</i> (C.A.Gardner) Craven                   | HM160106/07 | —                 | AY498785   |
| <i>Homoranthus darwiniioides</i> (Maiden & Betche) Cheel         | HM160108    | —                 | AY498786.1 |
| <i>Kjellbergiodendron celebicum</i> (Koord.) Merrill             | HM160109/10 | AF368209.1        | AY498788   |
| <i>Kunzea capitata</i> (Sm.) Heynh.                              | —           | AF184721.1        | AY498790   |

| Taxon   |             | ITS        | GenBank accession |
|---|-------------|------------|-------------------|
|   |             |            | matK              |
|   |             |            | ndhF              |
| <i>Legrandia concinna</i> (Phil.) Kausel                          |             | AM234072.1 | AF184724.1        |
| <i>Leptospermum scoparium</i> J.R.Forst. & G.Forst.               |             | AM234142.1 | AY521538.1        |
| <i>Leptospermum spectabile</i> Joy Thoms.                         |             | —          | AY521539.1        |
| <i>Leptospermum trinervium</i> (Sm.) Joy Thoms.                   |             | —          | AF184735.2        |
| <i>Lindsayomyrtus racemoides</i> (Greves) Craven                  | HM160111/12 | AF184706.2 | AY498793          |
| <i>Lophomyrtus bullata</i> Burret                                 | AM234145.1  | AM489992.1 | —                 |
| <i>Lophostemon confertus</i> (R.Br.) Peter G.Wilson & J.T.Waterh. | AF048897.1  | AF184707.2 | AY498794          |
| <i>Lophostemon confertus</i> (R.Br.) Peter G.Wilson & J.T.Waterh. | AF390444.1  | AM489994.1 | —                 |
| <i>Luma apiculata</i> (DC) Burret                                 | AM234101.1  | AM489995.1 | AY498795          |
| <i>Lysicarpus angustifolius</i> (Hook.) Druce                     | —           | AF368210.2 | AY498796.1        |
| <i>Melaleuca nesophila</i> F.Muell.                               | AF294591.1  | AY525135.1 | AY498797          |
| <i>Melaleuca viridiiflora</i> Gaertn.                             | AF294603.1  | AF184708.1 | AY498798.1        |
| <i>Melaleuca viridiiflora</i> Gaertn.                             | AF294609.1  | —          | EU410173.1        |
| <i>Metrosideros carminea</i> W.R.B.Oliver                         | AF211498.1  | AY521541.1 | AY498799          |
| <i>Metrosideros diffusa</i> (G. Forst.) Sm.                       | AF211500.1  | AY521542.1 | AY498800          |
| <i>Metrosideros macropus</i> Hook. & Arn.                         | AF172745.1  | AF368212.2 | AY498801          |
| <i>Metrosideros nervulosa</i> C.Moore & F.Muell.                  | AF172747.1  | DQ088535.1 | DQ088458.1        |
| <i>Micromyrtus ciliata</i> (Sm.) Druce                            | HM160113/14 | AF489400.1 | —                 |
| <i>Myrceugenia leptospermoides</i>                                | AM234075.1  | AM489999.1 | —                 |
| <i>Myrciaria vexator</i> McVaugh                                  | —           | AY521544.1 | AY498804.1        |
| <i>Myrtleola nummularia</i> (Lam.) O.Berg                         | AM234068.1  | AM490008.1 | —                 |
| <i>Myrtus communis</i> L.   | AM234149.1  | AM490009.1 | AF215593.1        |
| <i>Myrtus communis</i> L.   | —           | AY525136.1 | EU002244.1        |
| <i>Neomyrtus pedunculata</i> (Hook.f.) Allan                      | AM234144.1  | AM490010.1 | —                 |
| <i>Ochrosperma lineare</i> (C.T.White) Trudgen                    | —           | AF489384.2 | EF581229.1        |
| <i>Ochrosperma oligomerum</i> (Radlk.) A.R.Bean                   | —           | AF489385.2 | EF581230.1        |
| <i>Osbormia octodonta</i> F.Muell.                                | EF041844.1  | AF368213.2 | DQ088459.1        |
| <i>Pericalymma ellipticum</i> var. <i>ellipticum</i>              | EF026604.1  | AF184740.1 | AY498806.1        |
| <i>Pileanthus filifolius</i> Labill.                              | —           | EF581210.1 | EF581231          |
| <i>Piliostigma papuanum</i> (Lauterb.) A.J. Scott                 | —           | AF368214.1 | AY498807.1        |
| <i>Piliocalyx concinnus</i> A.C.Sm.                               | EF026615.1  | DQ088550.1 | DQ088476.1        |
| <i>Pimenta racemosa</i> (Mill.) J.W. Moore                        | AM234082.1  | AY521545.  | AY498808          |
| <i>Psidium cattleianum</i> Sabine                                 | AM234080    | AB354959.1 | HM160101          |
| <i>Psioloxylon mauritianum</i> (Hook. f.) Baill.                  | EF026606.1  | AF368215.2 | AY498825          |
| <i>Qualea grandiflora</i> Mart. (Vochysiaceae)                    | —           | AF368216.1 | AY498829          |
| <i>Rhodamnia argentea</i> Benth.                                  | AM234129.1  | AF368217.1 | AY498810          |
| <i>Rhodomryrtus macrocarpa</i> Benth.                             | —           | AY525137.1 | AY498811          |
| <i>Sphaerantia chartacea</i> Peter G. Wilson & B. Hyland          | HM160115/16 | AY521547.1 | —                 |
| <i>Stockwellia quadrifida</i> D.J. Carr, S.G.M.Carr & B.Hyland    | AF058452.1  | AY525138.1 | AY498812          |
| <i>Syncarpia glomulifera</i> (Sm.) Nied.                          | HM160117/18 | AF368220.2 | AY498813          |
| <i>Syzygium aromaticum</i> (L.) Merr. & Perry                     | EF026622.1  | —          | DQ088485.1        |
| <i>Syzygium australe</i> (Link) B. Hyland                         | AY187177.2  | AF368221.1 | —                 |
| <i>Syzygium cumini</i> Skeels                                     | FM887016.1  | AY525140.1 | AY498814.1        |
| <i>Syzygium maire</i> (A.Cunn.) Sykes & Garn.-Jones               | AM234136.1  | DQ088589.1 | DQ088508.1        |
| <i>Syzygium samarangense</i> (Blume) Merr. & L.M. Perry           |             | AY525141.1 | AY498815.         |
| <i>Syzygium wilsonii</i> (F.Muell.) B.Hyland                      | AY187218.2  | DQ088618   | DQ088530.1        |
| <i>Tepualia stipularis</i> (Hook. & Arn.) Griseb.                 | AM234071.1  | AF368222.2 | —                 |
| <i>Thaleropia queenslandica</i> (L.S. Sm.) Peter G. Wilson        | AY264945.1  | AF368223   | DQ088460.1        |
| <i>Thryptomene saxicola</i> (Hook.) Schauer                       | —           | AF184709   | AY498816          |
| <i>Tristania nerifolia</i> (Sieber ex Sims) R.Br.                 | EF026608.1  | AF368224.2 | AY498817.1        |
| <i>Tristaniopsis laurina</i> (Sm.) Peter G. Wilson & J.T. Waterh. | EF041514.1  | AF184710.2 | AY498818.1        |
| <i>Ugni molinae</i> Turcz.  | AM234143.1  | AY525142.1 | AY498819          |
| <i>Uromyrtus australis</i> A.J. Scott                             | —           | AY527230.1 | AY498820.1        |
| <i>Verticordia pennigera</i> Endl.                                | —           | AF489402.2 | AY498821.1        |

| Taxon  |            | GenBank accession |            |  |
|--|------------|-------------------|------------|--|
|  | ITS        | matK              | ndhF       |  |
| <i>Vochysia hondurensis</i> Sprague (Vochysiaceae)     | —          | AY572446.1        | AY498832   |  |
| <i>Waterhousea floribunda</i> (F. Muell.) B. Hyland    | AY187221.2 | DQ088620.1        | DQ088531.1 |  |
| <i>Waterhousea hedraiophylla</i> (F. Muell.) B. Hyland | AY187222.2 | DQ088621.1        | DQ088532.1 |  |
| <i>Xanthomyrtus papuana</i> Merr. & L.M. Perry         | AM234147.1 | AF368226.2        | —          |  |
| <i>Xanthostemon chrysanthus</i> (F.Muell.) Benth.      | EF041515.1 | AF368227.2        | EU410135.1 |  |

**Table S2. Data matrix used for character state optimisation**

Characters: **1** Colpal morphology: asyncolpate (0); syncolpate (1); parasyncolpate with arcuate colpi (2); parasyncolpate with angular colpi (3); brevicolpate (4); syndemicolpate (5); parasyncolpate with inverse arcuate colpi (6); unicolpate (7). **2** Exine pattern: psilate (0); granulate (1); granulate/scabrate (2); scabrate (3); verrucate/scabrate (4); verrucate (5); rugulate (6); rugulate with pollenkit (7); vermiculate (8); perforate (9). **3** Apocolpium island type: none (0); closely fitting polar island (1); small irregular polar island (2); granules on the polar membrane (3). **4** SEM Width: 6–10 (0); 10–14 (1); 14–18 (2); 18–22 (3); 22–28 (4); 28–38 (5); 38–50 (6). **5** SEM Length: 6–10 (0); 10–14 (1); 14–18 (2); 18–22 (3); 22–28 (4); 28–38 (5); 38–50 (6). **6** Colpus/length ratio: none (0); 0–20 (1); 20–40 (2); 40–50 (3); 50–65 (4); 65–95 (5); 95–100 (6)

| Taxon                              | Characters |         |      |   |   |   |
|------------------------------------|------------|---------|------|---|---|---|
|                                    | 1          | 2       | 3    | 4 | 5 | 6 |
| <i>Acca sellowiana</i>             | 3          | 2       | 2, 3 | 2 | 2 | 3 |
| <i>Acmena divaricarta</i>          | 7          | 0, 6    | 0    | 2 | 2 | 6 |
| <i>Acmena divaricata</i> 2         | 7          | 0, 6    | 0    | 2 | 2 | 6 |
| <i>Acmena graveolens</i>           | 7          | 0       | 0    | 2 | 2 | 6 |
| <i>Acmena mackinnoniana</i>        | 7          | 0, 6    | 0    | 2 | 2 | 6 |
| <i>Acmena smithii</i>              | 2          | 0, 6    | 0    | 2 | 1 | 2 |
| <i>Acmena smithii</i> 2            | 2          | 0, 6    | 0    | 2 | 1 | 2 |
| <i>Acmenospera claviforum</i>      | 3          | 4, 5    | 1    | 2 | 2 | 2 |
| <i>Actinodium cunninghamii</i>     | 0          | 0       | 0    | 1 | 1 | 0 |
| <i>Agonis flexuosa</i>             | 1          | 4       | 0    | 1 | 1 | 4 |
| <i>Amomyrtus meli</i>              | 4          | 2       | 0    | 4 | 4 | 2 |
| <i>Anetholea anisata</i>           | 2          | 1       | 0/2  | 1 | 1 | 4 |
| <i>Angophora costata</i>           | 2          | 5, 6    | 0    | 4 | 4 | 3 |
| <i>Angophora hispida</i>           | 1, 2, 5    | 0, 6    | 0/2  | 4 | 4 | 3 |
| <i>Archirhodomyrtus beckleri</i>   | 4          | 1       | 0    | 3 | 3 | 2 |
| <i>Arillastrum gummiiferum</i>     | 3          | 6       | 0    | 0 | 1 | 2 |
| <i>Asteromyrtus symphyocarpa</i>   | 1          | 6       | 0    | 2 | 2 | 4 |
| <i>Babingtonia cunninghamii</i>    | 5, 6       | 0       | 0    | 1 | 1 | 1 |
| <i>Babingtonia densifolia</i>      | 1, 6       | 0, 6    | 0    | 0 | 0 | 0 |
| <i>Babingtonia jucunda</i>         | 0, 1, 5    | 0, 6    | 0    | 1 | 1 | 0 |
| <i>Babingtonia tozerensis</i>      | 5, 6       | 0       | 0    | 1 | 1 | 3 |
| <i>Backhousia citriodora</i>       | 2, 3       | 6       | 0    | 2 | 2 | 3 |
| <i>Backhousia myrtifolia</i>       | 2          | 3, 6    | 0    | 2 | 2 | 4 |
| <i>Baeckea frutescens</i>          | 5          | 0       | 0    | 1 | 1 | 0 |
| <i>Baeckea ovalifolia</i>          | 0, 1       | 0, 3, 5 | 0    | 1 | 1 | 2 |
| <i>Beaufortia orbifolia</i>        | 2          | 2, 3    | 0/2  | 3 | 3 | 3 |
| <i>Blepharocalyx cruckshanksii</i> | 1, 4       | 2       | 0    | 2 | 2 | 3 |
| <i>Blepharocalyx salicifolius</i>  | 4          | 4, 5    | 0    | 1 | 1 | 2 |
| <i>Blepharocalyx tweediei</i>      | 4          | 4, 5    | 0    | 1 | 1 | 2 |
| <i>Callistemon polandii</i>        | 3          | 6       | 0, 1 | 2 | 2 | 3 |

| Taxon                                | Characters |         |      |   |   |   |
|--------------------------------------|------------|---------|------|---|---|---|
|                                      | 1          | 2       | 3    | 4 | 5 | 6 |
| <i>Calothamnus validus</i>           | 1          | 3, 6    | 0    | 2 | 1 | 4 |
| <i>Calyptranthes concinna</i>        | 4          | 2       | 0    | 2 | 2 | 2 |
| <i>Calyptranthes pallens</i>         | 4          | 1, 5    | 0    | 2 | 2 | 2 |
| <i>Calytrix tetragona</i>            | 1, 2, 4    | 0, 3    | 0    | 2 | 2 | 4 |
| <i>Campomanesia guazumifolia</i>     | 4          | 2       | 0    | 3 | 3 | 2 |
| <i>Chamelaucium uncinatum</i>        | 0          | 0, 6    | 0    | 4 | 3 | 1 |
| <i>Choricarpia subargentea</i>       | 1, 2       | 1, 3    | 0    | 2 | 2 | 4 |
| <i>Cloezia floribunda</i>            | 2          | 6       | 0    | 1 | 1 | 4 |
| <i>Corymbia variegata</i>            | 1, 2       | 0, 6    | 0    | 4 | 4 | 4 |
| <i>Darwinia fascicularis</i>         | 0          | 0, 6    | 0    | 3 | 3 | 1 |
| <i>Decaspermum humile</i>            | 3          | 1       | 3    | 2 | 1 | 2 |
| <i>Eucalyptopsis papuana</i>         | 3          | 6       | 0    | 1 | 1 | 2 |
| <i>Eucalyptus curtisii</i>           | 3          | 0, 6, 8 | 0/2  | 2 | 2 | 3 |
| <i>Eucalyptus globulus</i>           | 3          | 4, 6    | 0/1  | 3 | 3 | 2 |
| <i>Eugenia uniflora</i>              | 1, 4       | 2       | 0    | 2 | 3 | 2 |
| <i>Euryomyrtus ramosissima</i>       | 1          | 1       | 0    | 1 | 0 | 4 |
| <i>Heteropyxis natalensis</i>        | 2          | 4, 6    | 1    | 2 | 2 | 3 |
| <i>Hexachlamys edulis</i>            | 4          | 2       | 0    | 2 | 2 | 2 |
| <i>Homalocalyx aurea</i>             | 1          | 5       | 0, 2 | 3 | 3 | 3 |
| <i>Homoranthus darwioides</i>        | 0          | 0       | 0    | 3 | 3 | 0 |
| <i>Kjellbergiodendron celebicium</i> | 2, 4       | 0, 6    | 0    | 2 | 2 | 3 |
| <i>Kunzea capitata</i>               | 1, 2       | 3, 6    | 0    | 2 | 2 | 4 |
| <i>Legrandia concinna</i>            | 4          | 2       | 0    | 3 | 3 | 2 |
| <i>Leptospermum scoparium</i>        | 1          | 6       | 0    | 1 | 1 | 4 |
| <i>Leptospermum spectabile</i>       | 3          | 6       | 0    | 2 | 2 | 3 |
| <i>Leptospermum trinervium</i>       | 1          | 5       | 0    | 2 | 2 | 4 |
| <i>Lindsayomyrtus racemoides</i>     | 1          | 2, 3    | 3    | 1 | 1 | 3 |
| <i>Lophomyrtus bullata</i>           | 3, 4       | 2       | 3    | 2 | 2 | 2 |
| <i>Lophostemon confertus</i>         | 2          | 4, 6    | 0    | 1 | 1 | 3 |
| <i>Lophostemon confertus</i> 2       | 2          | 4, 6    | 0    | 1 | 1 | 3 |
| <i>Luma apiculata</i>                | 4          | 2       | 0    | 1 | 1 | 2 |
| <i>Lysicarpus angustifolius</i>      | 3          | 4, 6    | 0    | 2 | 1 | 4 |
| <i>Melaleuca nesophila</i>           | 3          | 2       | 1    | 1 | 1 | 2 |
| <i>Melaleuca viridiiflora</i>        | 3          | 4, 6    | 1    | 2 | 2 | 2 |
| <i>Melaleuca viridiiflora</i> 2      | 3          | 4, 6    | 1    | 2 | 2 | 2 |
| <i>Metrosideros carminea</i>         | 3          | 4, 6    | 2    | 1 | 1 | 3 |
| <i>Metrosideros diffusa</i>          | 3          | 6       | 1    | 1 | 1 | 2 |
| <i>Metrosideros macropus</i>         | 3          | 6, 8    | 1, 2 | 2 | 2 | 3 |
| <i>Metrosideros nervulosa</i>        | 3          | 6       | 2    | 3 | 3 | 3 |
| <i>Micromyrtus ciliata</i>           | 1, 2       | 5       | 0    | 1 | 1 | 3 |
| <i>Myrceugenia leptospermoidea</i>   | 4          | 2       | 0    | 1 | 2 | 2 |
| <i>Myrciaria vexator</i>             | 4          | 4       | 0    | 2 | 2 | 2 |
| <i>Myrtleola nummularia</i>          | 4          | 2       | 0    | 2 | 2 | 2 |

| Taxon                            | Characters |         |         |   |   |   |
|----------------------------------|------------|---------|---------|---|---|---|
|                                  | 1          | 2       | 3       | 4 | 5 | 6 |
| <i>Myrtus communis</i>           | 4          | 2       | 0       | 1 | 1 | 2 |
| <i>Myrtus communis</i> 2         | 4          | 2       | 0       | 1 | 1 | 2 |
| <i>Neomyrtus pedunculata</i>     | 4          | 2       | 0       | 2 | 2 | 2 |
| <i>Ochrosperma lineare</i>       | 1          | 3       | 0       | 1 | 0 | 5 |
| <i>Ochrosperma oligomerum</i>    | 1          | 3       | 0       | 0 | 0 | 4 |
| <i>Osbornia octodonta</i>        | 3          | 6       | 0       | 2 | 2 | 4 |
| <i>Pericalymma ellipticum</i>    | 1          | 5       | 0, 1    | 3 | 3 | 4 |
| <i>Pileanthus filifolius</i>     | 7          | 0, 6    | 0       | 5 | 3 | 6 |
| <i>Pilidiostigma papuanum</i>    | 4          | 2       | 0       | 3 | 3 | 2 |
| <i>Piliocalyx concinnus</i>      | 2          | 0       | 0       | 2 | 2 | 2 |
| <i>Pimenta racemosa</i>          | 4          | 2       | 0       | 1 | 2 | 2 |
| <i>Psidium cattleianum</i>       | 4          | 4, 5, 6 | 0       | 4 | 4 | 2 |
| <i>Psiloxylon mauritianum</i>    | 3          | 4, 6    | 1       | 1 | 1 | 2 |
| <i>Qualea grandiflora</i>        | 4          | 9       | 0       | 4 | 4 | 1 |
| <i>Rhodamnia argentea</i>        | 4          | 2       | 0       | 1 | 1 | 2 |
| <i>Rhodomyrtus macrocarpa</i>    | 4          | 2       | 0       | 4 | 4 | 2 |
| <i>Sphaerantia chartacea</i>     | 3          | 1, 2    | 0       | 1 | 1 | 3 |
| <i>Stockwellia quadrifida</i>    | 2, 3       | 1, 2    | 0/2     | 1 | 1 | 2 |
| <i>Syncarpia glomulifera</i>     | 2          | 6       | 0       | 2 | 2 | 4 |
| <i>Syzygium aromaticum</i>       | 3          | 4       | 1       | 2 | 2 | 2 |
| <i>Syzygium australe</i>         | 2          | 0, 6, 7 | 0       | 1 | 1 | 4 |
| <i>Syzygium cumini</i>           | 3          | 0, 6    | 0       | 1 | 1 | 3 |
| <i>Syzygium maire</i>            | 3          | 6       | 2       | 1 | 1 | 2 |
| <i>Syzygium samarangense</i>     | 2          | 0, 6    | 0       | 1 | 1 | 3 |
| <i>Syzygium wilsonii</i>         | 3          | 3, 6    | 1       | 2 | 1 | 3 |
| <i>Tepualia stipularis</i>       | 7          | 5, 6    | 0       | 3 | 1 | 6 |
| <i>Thaleropia queenslandica</i>  | 0          | 0, 6    | 0       | 0 | 0 | 0 |
| <i>Thryptomene saxicola</i>      | 5, 6       | 6       | 0       | 1 | 1 | 2 |
| <i>Tristania neriifolia</i>      | 0          | 0, 6    | 0       | 0 | 0 | 0 |
| <i>Tristaniopsis laurina</i>     | 3          | 0, 6    | 0       | 1 | 1 | 2 |
| <i>Ugni moliniae</i>             | 4          | 2, 4    | 0       | 1 | 1 | 1 |
| <i>Uromyrtus australis</i>       | 4          | 2       | 0       | 1 | 1 | 1 |
| <i>Verticordia pennigera</i>     | 0          | 2       | 0       | 3 | 3 | 1 |
| <i>Vochysia hondurensis</i>      | 4          | 3       | 0       | ? | ? | ? |
| <i>Waterhousea floribunda</i>    | 2          | 4, 6    | 0, 2, 3 | 1 | 1 | 3 |
| <i>Waterhousea hedraiophylla</i> | 2          | 6       | 0       | 1 | 1 | 3 |
| <i>Xanthomyrtus papuana</i>      | 2          | 4, 6    | 0       | 2 | 1 | 3 |
| <i>Xanthostemon chrysanthus</i>  | 3          | 4, 6    | 1       | 2 | 2 | 2 |