

Supporting Information 2

Article title: Extinction pulse at Eocene–Oligocene boundary drives diversification dynamics of the two Australian temperate floras

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Details of genera across 21 plant families used in the diversification rate analyses: total number of species across all genera, species found in the southwest and southeast, percentage of species within each genera in each region, and divergence time for each genera.

Apiaceae

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Actinotus</i>	21	11	8	52	38	66
<i>Apiopetalum</i>	2	0	0	0	0	66
<i>Mackinlaya</i>	2	0	1	0	50	57
<i>Chlaenosciadium</i>	1	1	0	100	0	38.58
<i>Xanthosia</i>	20	15	10	75	50	38.58
<i>Pentapeltis</i>	2	2	0	100	0	29.81
<i>Platysace</i>	29	19	7	66	24	18.4
<i>Homalosciadium</i>	1	1	0	100	0	18.4
<i>Centella</i>	3	1	2	33	67	15.78
<i>Schoenolaena</i>	1	1	0	100	0	15.78

Asparagaceae

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Laxmannia</i>	13	9	4	69	31	19.1
<i>Sowerbaea</i>	5	2	1	40	20	19.1
<i>Lomandra</i>	52	27	27	52	52	18.5
<i>Arthropodium</i>	15	5	9	33	60	17.2
<i>Thysanotus</i>	58	45	11	78	19	17.2
<i>Acanthocarpus</i>	9	7	0	78	0	11.4
<i>Chamaexeros</i>	4	4	0	100	0	11.4
<i>Dichopogon</i>	3	3	1	100	33	NA

Asteraceae						
genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Millotia</i>	16	11	7	69	44	15
<i>Myriocephalus</i>	15	9	2	60	13	15
<i>Ewartia</i>	4	0	4	0	100	14
<i>Rhodanthe</i>	45	27	17	60	38	14
<i>Schoenia</i>	5	2	2	40	40	14
<i>Argentipallium</i>	6	3	0	50	0	13
<i>Ozothamnus</i>	54	7	44	13	81	13
<i>Acomis</i>	4	0	1	0	25	12
<i>Gnephosis</i>	17	15	4	88	24	11
<i>Craspedia</i>	30	3	25	10	83	11
<i>Acanthocladium</i>	1	0	1	0	100	10
<i>Siloxerus</i>	4	4	1	100	25	10
<i>Chrysocephalum</i>	9	3	6	33	67	9
<i>Leptorhynchus</i>	10	3	10	30	100	9
<i>Xerochrysum</i>	12	1	9	8	75	9
<i>Ammobium</i>	3	0	2	0	67	8
<i>Pogonolepis</i>	2	2	1	100	50	7
<i>Argyrolottis</i>	1	1	0	100	0	7
<i>Ixodia</i>	2	0	2	0	100	7
<i>Asteridea</i>	9	8	1	89	11	7
<i>Podolepis</i>	14	11	15	79	107	7
<i>Calocephalus</i>	11	3	4	27	36	6
<i>Lawrencella</i>	2	2	0	100	0	6
<i>Stuartina</i>	2	1	2	50	100	6
<i>Odixia</i>	2	0	2	0	100	5
<i>Pterygopappus</i>	1	0	1	0	100	5
<i>Quinetia</i>	1	1	1	100	100	5
<i>Leucochrysum</i>	6	1	4	17	67	5
<i>Decazesia</i>	1	1	0	100	0	5
<i>Calomeria</i>	1	0	1	0	100	5
<i>Cassinia</i>	44	1	42	2	95	4
<i>Haeckeria</i>	2	0	2	0	100	4
<i>Hyalochlamys</i>	1	1	0	100	0	4
<i>Triptilodiscus</i>	1	1	1	100	100	4
<i>Dithyrostegia</i>	2	2	0	100	0	3
<i>Leucophyta</i>	1	1	1	100	100	2
<i>Argyrotegium</i>	4	0	3	0	75	2
<i>Parantennaria</i>	1	0	1	0	100	2
<i>Feldstonia</i>	1	1	0	100	0	2
<i>Podotheca</i>	6	5	1	83	17	2
<i>Polycalymma</i>	1	0	1	0	100	2
<i>Sondottia</i>	2	1	0	50	0	2
<i>Angianthus</i>	20	14	6	70	30	2

Asteraceae continued.

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Lemooria</i>	1	1	1	100	100	2
<i>Pterochaeta</i>	1	1	0	100	0	2
<i>Waitzia</i>	5	5	1	100	20	2
<i>Blennospora</i>	2	2	1	100	50	2
<i>Anemocarpa</i>	3	1	2	33	67	2
<i>Hyalosperma</i>	9	9	4	100	44	2
<i>Eriochlamys</i>	4	0	4	0	100	1
<i>Fitzwillia</i>	1	1	0	100	0	1
<i>Gilruthia</i>	1	1	0	100	0	1
<i>Quinqueremulus</i>	1	1	0	100	0	1
<i>Cephalosorus</i>	1	1	0	100	0	1
<i>Erymophyllum</i>	5	3	0	60	0	1
<i>Bellida</i>	1	1	0	100	0	1
<i>Pithocarpa</i>	4	4	1	100	25	1
<i>Actinobole</i>	4	3	1	75	25	1
<i>Gilberta</i>	1	1	0	100	0	1
<i>Leiocarpa</i>	10	0	10	0	100	1
<i>Chthonocephalus</i>	7	3	1	43	14	0
<i>Trichanthodium</i>	4	2	2	50	50	0

Cyperaceae

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Oreobolus</i>	9	0	6	0	67	69.0
<i>Cladium</i>	2	0	1	0	50	60.0
<i>Morelotia</i>	2	0	0	0	0	58.0
<i>Gymnoschoenus</i>	2	1	1	50	50	51.0
<i>Schoenus</i>	107	77	39	72	36	51.0
<i>Tetraria</i>	10	10	1	100	10	51.0
<i>Costularia</i>	7	3	9	43	129	50.0
<i>Tricostularia</i>	7	5	1	71	14	37.0
<i>Gahnia</i>	36	15	19	42	53	35.0
<i>Mesomelaena</i>	5	5	0	100	0	35.0
<i>Caustis</i>	6	3	4	50	67	23.0
<i>Evandra</i>	2	2	0	100	0	23.0
<i>Lepidosperma</i>	107	68	32	64	30	22.0
<i>Ptilothrix</i>	1	0	1	0	100	19.5
<i>Baumea</i>	17	10	13	59	76	12.73

***Drosera* sections (Droseraceae)**

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
Section <i>Regiae</i>	1	0	0	0	0	35
Section <i>Coelophylla</i>	1	1	1	100	100	28
Section <i>Arcturia</i>	2	0	1	0	50	26
Section <i>Thelocalyx</i>	2	0	0	0	0	22
Section <i>Phycopsis</i>	1	1	1	100	100	20
Section <i>Ergaleium</i>	31	26	5	84	16	20
Section <i>Drosera</i>	73	0	0	0	0	19
Section <i>Lasiocephala</i>	14	0	0	0	0	17
Section <i>Prolifera</i>	3	0	0	0	0	14
Section <i>Meristocaulis</i>	1	0	0	0	0	12
Section <i>Arachnopus</i>	2	0	0	0	0	11
Section <i>Lamprolepis</i>	44	35	0	80	0	11
Section <i>Stelogyne</i>	1	1	0	100	0	10.5
Section <i>Stolonifera</i>	10	10	0	100	0	8
Section <i>Erythrorhiza</i>	14	10	4	71	29	8
Section <i>Ptycnostigma</i>	3	0	0	0	0	5.5
Section <i>Bryastrum</i>	1	0	1	0	100	1

Elaeocarpaceae (Tremandraceae)

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Tetratea</i>	56	31	23	55	41	38
<i>Tremandra</i>	2	2	0	100	0	24.3
<i>Platythea</i>	4	4	0	100	0	24.3

Ericaceae (Epacrids)

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Archeria</i>	7	0	5	0	71	43
<i>Needhamiella</i>	1	1	0	100	0	33
<i>Oligarrhena</i>	1	1	0	100	0	33
<i>Sphenotoma</i>	7	7	0	100	0	23.7
<i>Prionotes</i>	1	0	1	0	100	20.5
<i>Cyathodes</i>	3	0	3	0	100	18.6
<i>Dracophyllum</i>	45	0	6	0	13	17.1
<i>Richea</i>	11	0	11	0	100	17.1
<i>Andersonia</i>	41	41	0	100	0	12.9
<i>Sprengelia</i>	7	0	7	0	100	10.8
<i>Cosmelia</i>	1	0	1	0	100	10.8
<i>Leucopogon</i>	249	194	52	78	21	10.8
<i>Pentachondra</i>	4	0	4	0	100	10.8
<i>Astroloma</i>	32	30	3	94	9	10.3
<i>Styphelia</i>	17	7	11	41	65	10.3
<i>Acrothamnus</i>	6	0	3	0	50	8.4
<i>leptecophylla</i>	6	0	5	0	83	8.4
<i>Epacris</i>	53	0	49	0	92	8.3
<i>Rupicola</i>	4	0	4	0	100	8.3
<i>Trochocarpa</i>	8	0	7	0	88	6.8
<i>Acrotriche</i>	19	8	12	42	63	6
<i>Lissanthe</i>	9	5	5	56	56	6
<i>Brachyloma</i>	17	11	8	65	47	5.4
<i>Melichrus</i>	8	1	6	13	75	5.4
<i>Monotoca</i>	12	1	11	8	92	4.13
<i>Montitega</i>	1	0	1	0	100	4.13

Fabaceae (Acacia)

Subgenus	total spp.	Divergence (Ma)
<i>Alatae</i>	21	
<i>Botrycephalae</i>	42	3.6
<i>Juliflorae pp.</i>	235	13.45
<i>Lycopodiifoliae</i>	17	NA
<i>Phyllodineae</i>	408	polyphyletic
<i>Plurinerves pp.</i>	212	13.45
<i>Pulchelloidea</i>	27	21.25

Fabaceae (Mirbelioids)

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Gompholobium</i>	46	28	13	61	28	49
<i>Sphaerolobium</i>	22	20	2	91	9	49
<i>Isotropis</i>	14	5	2	36	14	49
<i>Daviesia</i>	126	93	36	74	29	47.5
<i>Goodia</i>	6	2	5	33	83	44
<i>Latrobea</i>	9	9	0	100	0	31
<i>Erichsema</i>	1	1	0	100	0	25.5
<i>Viminaria</i>	1	1	1	100	100	25.5
<i>Aotus</i>	25	20	7	80	28	25
<i>Almaleea</i>	5	0	5	0	100	25
<i>Eutaxia</i>	23	21	2	91	9	25
<i>Pultenaea</i>	131	32	104	24	79	25
<i>Jacksonia</i>	74	47	4	64	5	24
<i>Leptosema</i>	13	4	1	31	8	24
<i>Gastrolobium</i>	112	109	0	97	0	23.5
<i>Muelleranthus</i>	4	0	0	0	0	22.5
<i>Chorizema</i>	26	25	1	96	4	22
<i>Stonesiella</i>	1	0	1	0	100	21.5
<i>Dillwynia</i>	39	17	27	44	69	18.5
<i>Euchilopsis</i>	1	1	0	100	0	17.5
<i>Urodon</i>	4	4	0	100	0	17.5
<i>Mirbelia</i>	38	27	10	71	26	16
<i>Platylobium</i>	9	0	9	0	100	15.5
<i>Bossiaea</i>	80	34	37	43	46	15.5
<i>Podolobium</i>	6	0	6	0	100	15.5
<i>Callistachys</i>	1	1	0	100	0	15
<i>Oxylobium</i>	5	0	5	0	100	14.5
<i>Nemcia</i>	now in <i>Gastrolobium</i>					12
<i>Phyllota</i>	10	3	7	30	70	9
<i>Ptychosema</i>	1	1	0	100	0	8
<i>Aenictophyton</i>	2	0	0	0	0	8
<i>Brachysema</i>	now in <i>Gastrolobium</i>					7

Goodeniaceae

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Dampiera</i>	71	51	14	72	20	39.4
<i>Lechenaultia</i>	30	24	1	80	3	60.6
<i>Brunonia</i>	1	1	1	100	100	55
<i>Anthotium</i>	5	5	0	100	0	39.4
<i>Goodenia</i>	211	64	51	30	24	30
<i>Scaevola</i>	83	50	16	60	19	30
<i>Cooperookia</i>	6	3	3	50	50	24
<i>Velleia</i>	21	12	10	57	48	21
<i>Diaspasis</i>	1	1	0	100	0	17.65
<i>Pentaptilon</i>	1	1	0	100	0	11.2
<i>Verreauxia</i>	3	3	0	100	0	11.2
<i>Selliera</i>	3	0	1	0	33	6.6

Haemodoraceae

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Tribonanthes</i>	6	6	0	100	0	42
<i>Dilatris</i>	4	0	0	0	0	42
<i>Lachnanthes</i>	1	0	0	0	0	37
<i>Haemodorum</i>	24	10	5	42	21	37
<i>Schiekia</i>	1	0	0	0	0	31
<i>Xiphidium</i>	2	0	0	0	0	31
<i>Phlebocarya</i>	3	3	0	100	0	24.5
<i>Conostylis</i>	45	45	0	100	0	17.7
<i>Blancoa</i>	1	0	0	0	0	17.7
<i>Wachendorfia</i>	4	0	0	0	0	15.4
<i>Barberetta</i>	1	0	0	0	0	15.4
<i>Anigozanthos</i>	11	11	0	100	0	13.2
<i>Macropidia</i>	1	1	0	100	0	13.2

Hemerocallidaceae

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Tricoryne</i>	14	8	5	57	36	47
<i>Corynotheca</i>	6	1	1	17	17	36
<i>Chamaescilla</i>	4	4	1	100	25	34
<i>Caesia</i>	12	6	4	50	33	33
<i>Arnocrinum</i>	3	3	0	100	0	27
<i>Stawellia</i>	2	2	0	100	0	13
<i>Stypandra</i>	2	2	1	100	50	13
<i>Thelionema</i>	3	0	3	0	100	10
<i>Herpolirion</i>	1	0	1	0	100	10
<i>Johnsonia</i>	6	6	0	100	0	9
<i>Dianella</i>	30	2	17	7	57	9
<i>Hodgsoniola</i>	1	1	0	100	0	5
<i>Hensmania</i>	3	3	0	100	0	5

Lamiaceae

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Brachysola</i>	2	2	0	100	0	37
<i>Physopsis</i>	5	4	0	80	0	31
<i>Prostanthera</i>	104	23	74	22	71	29.5
<i>Westringia</i>	31	9	24	29	77	29.5
<i>Pityrodia</i>	20	6	1	30	5	26
<i>Dicrastylis</i>	33	16	2	48	6	25.1
<i>Cyanostegia</i>	5	4	0	80	0	25
<i>Lachnostachys</i>	6	6	0	100	0	24
<i>Chloanthes</i>	4	1	3	25	75	19
<i>Hemiphora</i>	5	5	0	100	0	19
<i>Newcastelia</i>	10	2	2	20	20	15

Loganiaceae

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Strychnos</i>	4	0	2	0	50	38
<i>Logania</i>	35	19	13	54	37	23.12
<i>Mitrasacme</i>	49	3	11	6	22	22.81
<i>Geniostoma</i>	25	0	1	0	4	20
<i>Orianthera</i>	13	10	2	77	15	17.35
<i>Mitreola</i>	1	0	0	0	0	17.35
<i>Schizacme</i>	4	0	2	0	50	16.44
<i>Phyllangium</i>	5	4	3	80	60	16.44
<i>Adelphacme</i>	1	1	0	100	0	NA

Malvaceae

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Strychnos</i>	4	0	2	0	50	38
<i>Logania</i>	35	19	13	54	37	23.12
<i>Mitrasacme</i>	49	3	11	6	22	22.81
<i>Geniostoma</i>	25	0	1	0	4	20
<i>Orianthera</i>	13	10	2	77	15	17.35
<i>Mitreola</i>	1	0	0	0	0	17.35
<i>Schizacme</i>	4	0	2	0	50	16.44
<i>Phyllangium</i>	5	4	3	80	60	16.44
<i>Adelphacme</i>	1	1	0	100	0	NA

Myrtaceae (Chamelaucieae tribe)

genera	total species	SW species	SE species	% SW	% SE	divergence (Ma)
<i>Ochrosperma</i>	6	0	6	0	100	47
<i>Micromyrtus</i>	50	19	15	38	30	40
<i>Baeckea</i>	111	69	13	62	12	38
<i>Thryptomene</i>	44	24	5	55	11	38
<i>Homalocalyx</i>	11	9	1	82	9	34
<i>Calytrix</i>	91	56	9	62	10	31
<i>Hypocalymma</i>	33	32	0	97	0	31
<i>Pileanthus</i>	8	7	0	88	0	30
<i>Babingtonia</i>	2	NA	NA	0	0	29
<i>Actinodium</i>	2	2	0	100	0	29
<i>Euryomyrtus</i>	7	4	2	57	29	25
<i>Sannantha</i>	12	0	10	0	83	25
<i>Chamelaucium</i>	39	37	0	95	0	25
<i>Verticordia</i>	102	96	0	94	0	25
<i>Homoranthus</i>	31	0	23	0	74	16
<i>Darwinia</i>	71	59	13	83	18	16
<i>Balaustion</i>	1	1	0	100	0	NA
<i>Corynanthera</i>	1	1	0	100	0	NA
<i>Cheyniana</i>	2	2	0	100	0	NA
<i>Aluta</i>	5	3	0	60	0	NA
<i>Triplarina</i>	7	0	5	0	71	NA
<i>Enekbatus</i>	10	9	0	90	0	NA
<i>Malleostemon</i>	13	8	0	62	0	NA
<i>Rinzia</i>	13	13	NA	100	NA	NA
<i>Astartea</i>	27	26	0	96	0	NA
<i>Scholtzia</i>	49	49	0	100	0	NA

Myrtaceae (Melaleuceae tribe)

genera	total species	SW species	SE species	% SW	% SE	divergence (Ma)
<i>Melaleuca</i>	253	184	57	72.7	22.5	33
<i>Calothamnus</i>	42	41	0	97.6	0	26.1
<i>Lamarchea</i>	2	1	0	50.0	0	NA
<i>Conothamnus</i>	3	3	0	100	0	NA
<i>Beaufortia</i>	20	20	0	100	0	26.1
<i>Regelia</i>	5	5	0	100	0	NA
<i>Phymatocarpus</i>	3	3	0	100	0	NA
<i>Eremaea</i>	17	17	0	100	0	NA
<i>Callistemon</i>	48	7	39	14.6	81.3	36
<i>Melaleuca</i>	253	184	57	72.7	22.5	33
<i>Calothamnus</i>	42	41	0	97.6	0	26.1
<i>Beaufortia</i>	20	20	0	100	0	26.1
<i>Callistemon</i>	48	7	39	14.6	81.3	36

Myrtaceae (Leptospermeae tribe)

genera	total species	SW species	SE species	%SW	%SE	divergence (Ma)
<i>Agonis</i>	4	4	0	100	0	22.9
<i>Asteromyrtus</i>	6	0	0	0	0	29.7
<i>Homalospermum</i>	1	1	0	100	0	NA
<i>Kunzea</i>	60	30	22	50	36.7	33
<i>Leptospermum</i>	89	19	64	21.3	71.9	32
<i>Neofabricia</i>	3	0	0	0	0	NA
<i>Pericalymma</i>	4	4	0	100	0	22.9
<i>Taxandria</i>	11	11	0	100	0	NA

Orchidaceae

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Megastylis</i>	7	0	0	0	0	50
<i>Waireia</i>	1	0	0	0	0	41.5
<i>Cryptostylis</i>	23	1	2	4	9	40
<i>Aporostylis</i>	1	0	0	0	0	35
<i>Burnettia</i>	1	0	1	0	100	35
<i>Genoplesium</i>	47	0	6	0	13	33
<i>Microtis</i>	19	6	5	32	26	31.5
<i>Rhizanthella</i>	3	1	1	33	33	31.5
<i>Townsonia</i>	2	0	1	0	50	31
<i>Adenochilus</i>	2	0	0	0	0	28.5
<i>Leporella</i>	1	1	1	100	100	28
<i>Spiculaea</i>	1	1	0	100	0	22
<i>Acianthus</i>	20	0	2	0	10	21
<i>Eriochilus</i>	9	-	-	0	0	19.5
<i>Corybas</i>	132	1	4	1	3	19
<i>Cyrtostylis</i>	5	1	1	20	20	19
<i>Paracaleana</i>	13	1	0	8	0	19
<i>Lyperanthus</i>	2	1	1	50	50	18
<i>Pyrorchis</i>	2	2	1	100	50	18
<i>Arthrochilus</i>	15	0	1	0	7	16
<i>Chiloglottis</i>	23	0	3	0	13	16
<i>Drakaea</i>	10	5	0	50	0	16
<i>Rimacola</i>	1	0	1	0	100	12
<i>Diuris</i>	71	51	15	72	21	10.5
<i>Orthoceras</i>	2	0	1	0	50	10.5
<i>Leptoceras</i>	1	1	1	100	100	10
<i>Epiblema</i>	1	1	0	100	0	10
<i>Pheladenia*</i>	1	1	1	100	100	7.5
<i>Cyanicula</i>	10	1	0	10	0	7
<i>Caleana</i>	1	0	1	0	100	7
<i>Calochilus</i>	27	1	5	4	19	7
<i>Thelymitra</i>	110	45	15	41	14	7
<i>Glossodia</i>	2	1	1	50	50	6
<i>Ericksonella</i>	1	-	-	0	0	5.5
<i>Elythranthera</i>	2	2	0	100	0	5
<i>Praecoxanthus</i>	1	1	0	100	0	5
<i>Caladenia</i>	267	165	205	62	77	5

Proteaceae

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Bellendena</i>	1	0	1	0	100	90
<i>Eidothea</i>	2	0	1	0	50	86
<i>Franklandia</i>	2	2	0	100	0	79
<i>Banksia</i>	170	156	16	92	9	61
<i>Lomatia</i>	12	0	7	0	58	61
<i>Agastachys</i>	1	0	1	0	100	59
<i>Symphionema</i>	2	0	2	0	100	59
<i>Stirlingia</i>	7	7	0	100	0	58
<i>Petrophile</i>	66	58	6	88	9	56
<i>Xylomelum</i>	6	2	3	33	50	54
<i>Isopogon</i>	38	30	8	79	21	44
<i>Telopea</i>	5	0	5	0	100	43
<i>Conospermum</i>	53	43	10	81	19	41
<i>Synaphea</i>	51	51	0	100	0	41
<i>Orites</i>	8	0	6	0	75	41
<i>Macademia</i>	9	0	4	0	44	41
<i>Stenocarpus</i>	23	0	2	0	9	39
<i>Strangea</i>	3	2	1	67	33	39
<i>Alloxylon</i>	4	0	1	0	25	38
<i>Cenarrhenes</i>	1	0	1	0	100	37
<i>Adenanthos</i>	33	31	2	94	6	36.7
<i>Triunia</i>	4	0	2	0	50	35
<i>Lambertia</i>	10	9	1	90	10	35
<i>Dryandra</i>	94	94	0	100	0	20
<i>Hakea</i>	150	95	43	63	29	17.51
<i>Floydia</i>	1	0	1	0	100	17
<i>Grevillea</i>	362	187	125	52	35	15.8
<i>Persoonia</i>	103	42	58	41	56	14
<i>Hicksbeachia</i>	2	0	1	0	50	12.8
<i>Acidonia</i>	1	1	0	100	0	12
<i>Helicia</i>	97	0	2	0	2	5.91

Restionaceae

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Sporadanthus</i>	8	2	4	25	50	39
<i>Calorophus</i>	2	0	2	0	100	36
<i>Lepyrodia</i>	22	13	9	59	41	36
<i>Alexgeorgea</i>	3	3	0	100	0	36
<i>Loxocarya</i>	5	5	0	100	0	35
<i>Tremulina</i>	2	2	0	100	0	32
<i>Eurychorda</i>	1	0	1	0	100	31
<i>Dapsilanthus</i>	3	0	0	0	0	31
<i>Platychora</i>	2	2	0	100	0	31
<i>Chordifex</i>	21	17	4	81	19	31
<i>Apodasmia</i>	3	1	1	33	33	29.3
<i>Baloskion</i>	8	0	8	0	100	27.9
<i>Leptocarpus</i>	3	3	1	100	33	26.2
<i>Winifredia</i>	1	0	1	0	100	25.8
<i>Catacolea</i>	1	1	0	100	0	25.6
<i>Empodisma</i>	3	1	1	33	33	23.4
<i>Taraxis</i>	1	1	0	100	0	23.4
<i>Hypolaena</i>	8	8	1	100	13	22.5
<i>Chaetanthus</i>	3	3	0	100	0	22.5
<i>Desmocladus</i>	15	15	1	100	7	22.4
<i>Cytogonidium</i>	1	1	0	100	0	19
<i>Tyrbastes</i>	1	1	0	100	0	19
<i>Harperia</i>	4	4	0	100	0	17.9
<i>Lepidobolus</i>	9	7	1	78	11	15.9
<i>Coleocarya</i>	1	0	1	0	100	15.9
<i>Kulinia</i>	1	1	0	100	0	15.2
<i>Onychosepalum</i>	3	3	0	100	0	15.2

Rhamnaceae

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Cryptandra</i>	57	33	20	58	35	32
<i>Polianthion</i>	4	3	1	75	25	32
<i>Stenanthemum</i>	31	23	4	74	13	31
<i>Spyridium</i>	46	18	33	39	72	29.8
<i>Trymalium</i>	13	12	1	92	8	27.4
<i>Pomaderris</i>	75	6	63	8	84	20.6
<i>Siegfriedia</i>	1	1	0	100	0	20.6
<i>Blackallia</i>	1	1	0	100	0	13.1
<i>Papistylus</i>	2	2	0	100	0	13.1

Rutaceae

genera	total species	SW species	SE species	SW%	SE%	divergence (Ma)
<i>Philotheca</i>	54	24	25	44	46	35
<i>Boronia</i>	148	53	63	36	43	32
<i>Crowea</i>	3	1	2	33	67	24
<i>Correa</i>	12	1	12	8	100	22
<i>Diplolaena</i>	15	15	0	100	0	22
<i>Leionema</i>	26	0	24	0	92	22
<i>Zieria</i>	59	0	49	0	83	22
<i>Chorilaena</i>	1	1	0	100	0	19
<i>Nematolepis</i>	7	1	6	14	86	19
<i>Phebalium</i>	30	13	14	43	47	19
<i>Eriostemon</i>	2	0	1	0	50	18
<i>Geleznovia</i>	2	2	0	100	0	9
<i>Drummondita</i>	10	6	0	60	0	7

Stylidiaceae

genera	total species	SW species	SE species	%SW	%SE	divergence (Ma)
<i>Donatia</i>	2	0	1	0	50	66
<i>Oreostylidium</i>	1	now in <i>Stylidium</i>				2
<i>Stylidium</i>	282	202	20	72	7	38
<i>Levenhookia</i>	11	9	4	82	36	38
<i>Forstera</i>	6	0	1	0	16	42
<i>Phyllache</i>	4	0	1	0	25	42