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Supplementary Material

Evolutionary biogeography of Australian jumping spider genera (Araneae: Salticidae)

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Table S1 Integrated data set derived from Bodner and Maddison,(2012), Zhang and Maddison (2015), Richardson, Whyte & Zabka (2019).

Genus	Origin	Age (mya)	Australian species	Macrohabitat	Microhabitat	Maximum length	Total RLU	Mesic RLU	Sclerophyllous RLU	Monsoonal RLU
<i>Abracadabrella</i> Zabka, 1991	Endemic		3	d&g&w&o&c	f&t	7	20	9	9	2
<i>Adoxotoma</i> Simon, 1909	Endemic		9	d&o&c	t&r	6	8	8		
<i>Afraflacilla</i> Berland & Millot, 1941	Partial		6	d&g&w	f&t&l	8	18	5	10	3
<i>Ananeon</i> Richardson, 2013	Endemic		1	o&c	l	5	1			1
<i>Apricia</i> Richardson, 2016	Endemic	8.3	3	d&g&w&o&c	f&t	10	17	13	4	
<i>Arasia</i> Simon, 1901	Endemic	19.5	2	o&c	t&l	9	13	13		
<i>Astia</i> L. Koch, 1879	Endemic		1	w&o&c	t&l	9	13	13		
<i>Astilodes</i> Zabka, 2009	Endemic		1	c	f	7	4	4		
<i>Barraina</i> Richardson, 2013	Endemic		1	w&o&c	l	3	8	8		
<i>Bavia</i> Simon, 1877	Partial	18	4	w&o&c	f	13	11	11		

Abbreviations: Macrohabitat; d desert, g grassland, w woodland etc, o open forest, c closed forest
 Microhabitat; f foliage, t trunk (bark), l litter (ground), g grass
 Biomes: RLU Regional Landscape Units

Table S1 (continued)

Genus	Origin	Age (mya)	Australian species	Macrohabitat	Microhabitat	Maximum length	Total RLU	Mesic RLU	Sclerophyllous RLU	Monsoonal RLU
<i>Bianor</i> Peckham & Peckham, 1886	Shared		2	d&g&w	f&t	3	20	11	9	
<i>Canama</i> Simon, 1903	Partial	21.5	1	w		8	3	3		
<i>Chalcolecta</i> Simon, 1884	Shared		1	d&g&w&o&c		8	1	1		
<i>Clynotis</i> Simon, 1901	Endemic		1	d&g&w&o&c	f&t&g	9	24	14	6	4
<i>Cocalus</i> C.L. Koch, 1846	Partial		1	c	f	9	2	2		
<i>Coccorchestes</i> Thorell, 1881	Partial	19.4	1	c		3	1	1		
<i>Coprocrossa</i> Simon, 1901	Endemic		1	c	f&t	3	4	4		
<i>Cosmophasis</i> Simon, 1901	Partial	13.8	10	g&w&o&c	f	11	10	4	2	4
<i>Cyrba</i> Simon, 1876	Shared	16	1		g&f	6	13	4	6	3
<i>Cytaea</i> Keyserling, 1882	Endemic	18.2	11	g&w&o&c	f	9	24	11	9	4
<i>Damoetas</i> Peckham & Peckham, 1886	Endemic		1	w&o	f	8	26	10	12	4
<i>Euryattus</i> Thorell, 1881	Shared		3	o&c	f	12	5	4		1
<i>Evarcha</i> Simon, 1902	Partial		2	w&o	f	7	8	4		4
<i>Frewena</i> Richardson, 2013	Endemic		1	w&o&c	l	3	1			1
<i>Grayenulla</i> Zabka, 1992	Endemic		7	d&g&w&o&c	f&t	7	17	4	12	1

Abbreviations: Macrohabitat; d desert, g grassland, w woodland etc, o open forest, c closed forest
Microhabitat; f foliage, t trunk (bark), l litter (ground), g grass

Table S1 (continued)

Genus	Origin	Age (mya)	Australian species	Macrohabitat	Microhabitat	Maximum length	Total RLU	Mesic RLU	Sclerophyllous RLU	Monsoonal RLU
<i>Harmochirus</i> Simon, 1885	Shared	8.9	1	c		3	1	1		
<i>Hasarius</i> Simon, 1871	Shared	12.7	4	c	f&p	7	6	5		1
<i>Helpis</i> Simon, 1901	Endemic	16.8	13	w&o&c	f&t&l	9	24	14	7	3
<i>Holoplatys</i> Simon, 1885	Endemic	8.3	37	d&g&w&o&c	f&t&l	11	32	15	13	4
<i>Huntiglennia</i> Zabka & Gray, 2004	Endemic		1	w&o&c	l	4	2	2		
<i>Hypoblemum</i> Peckham & Peckham, 1886	Endemic	12.4	2	w&o&c	f&l	8	15	11	4	
<i>Jacksonoides</i> Wanless, 1988	Endemic		16	c	l	8	4	4		
<i>Jotus</i> L. Koch, 1881	Endemic	17.5	7	w&o&c	f&l	8	22	13	9	
<i>Judalana</i> Rix, 1999	Endemic		1	o&c	f	5	2	2		
<i>Ligonipes</i> Karsch, 1878	Endemic	25.5	4	g&w&o	g&f	8	6	6		
<i>Maddisonia</i> Zabka, 2014	Endemic		3	o	f	2	7	7		
<i>Maratus</i> Karsch, 1878	Endemic	12.4	70	d&g&w&o&c	f&t&l	6	31	15	12	4
<i>Margaromma</i> Keyserling, 1882	Endemic		3	w&o&c	l	3	15	11	4	
<i>Megaloastia</i> Zabka, 1995	Endemic		1	r	r	15	1			1
<i>Menemerus</i> Simon, 1868	Shared	18.8	1	p	p	5	7	7		

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Table S1 (continued)

Genus	Origin	Age (mya)	Australian species	Macrohabitat	Microhabitat	Maximum length	Total RLU	Mesic RLU	Sclerophyllous RLU	Monsoonal RLU
<i>Mintonia</i> Wanless, 1984	Partial		1	c	f&t	9	2	2		
<i>Mopsolodes</i> Zabka, 1991	Endemic		1	o&c	f	7	7	4		3
<i>Mopsus</i> Karsch, 1878	Endemic	27.8	1	g&c	f	14	6	4		2
<i>Myrmarachne</i> MacLeay, 1839	Endemic	25.5	17	w&o&c	f&t&l	9	30	14	12	4
<i>Neon</i> Simon, 1876	Endemic	29.6	2	w&o&c	l	3	32	16	12	4
<i>Ocrisiona</i> Simon, 1901	Endemic		9	w&o&l	t&l	15	30	15	12	3
<i>Ohilimia</i> Strand, 1911	Shared	16.9	1	c	f	9	2	2		
<i>Opisthonus</i> L. Koch, 1880	Endemic	16.3	30	d&g&w&o&c	f	13	16	13	2	1
<i>Parahelpis</i> Gardzinska & Zabka, 2010	Endemic		2	w&o&c	l	15	4	4		
<i>Paraphilaeus</i> Zabka, 2003	Endemic		1	w&o&c	f	6	4	4		
<i>Paraplatooides</i> Zabka, 1992	Endemic		6	g&o	g&l	8	27	15	12	
<i>Pellenes</i> Simon, 1876	Partial	5.8	1	g&w&o	f	5	25	10	11	4
<i>Phintella</i> Strand, 1906	Partial	18.6	1	w	f&l	6	4	4		
<i>Plexippus</i> C.L. Koch, 1846	Shared	8.7	3	p	f	10	8	4		4
<i>Portia</i> Karsch, 1878	Shared	16	1	w&o&c	f&t&l	10	7	5		2

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Microhabitat; f foliage, t trunk (bark), l litter (ground), g grass

Table S1 (continued)

Genus	Origin	Age (mya)	Australian species	Macrohabitat	Microhabitat	Maximum length	Total RLU	Mesic RLU	Sclerophyllous RLU	Monsoonal RLU
<i>Prostheclina</i> Keyserling, 1882	Endemic	14.6	7	w&o&c	f	7	20	14	6	
<i>Proszynellus</i> Patoleta & Zabka, 2015	Endemic		3	g&w	t&l	6	5	4	1	
<i>Pseudosynagelides</i> Zabka, 1991	Endemic		6	w&o&c	l	2	11	11		
<i>Pungalina</i> Richardson, 2013	Endemic		7	w&o&l	f&l	9	22	14	5	3
<i>Rhombonotus</i> L. Koch, 1879	Endemic		1	w&o&c	f&t&l	4	14	14		
<i>Saitis</i> Simon, 1876	Partial	15.1	8	w&o	g&l	6	13	13		
<i>Salpesia</i> Simon, 1901	Endemic		4	w&o&c	l	6	11	7	4	
<i>Sandolodes</i> Keyserling, 1883	Endemic		5	w&o&c	f&t	15	22	14	8	
<i>Saratus</i> Otto & Hill, 2017	Endemic		1	g&w	g	4	3	3		
<i>Servaea</i> Simon, 1887	Endemic	29.3	6	w&o&c	t	8	14	14		
<i>Simaetha</i> Thorell, 1881	Endemic	15.9	10	g&w&o	f&t&l	7	28	14	10	4
<i>Simaethula</i> Simon, 1902	Endemic		7	w&o	f	5	17	14	3	
<i>Sondra</i> Wanless, 1988	Endemic		15	o&c	l	5	16	14	1	1
<i>Tara</i> Peckham & Peckham, 1886	Endemic		3	w&o&l	f&l	7	18	14	4	
<i>Tauala</i> Wanless, 1988	Endemic	13.4	13	c	f&t&l	7	6	6		

Abbreviations: Macrohabitat; d desert, g grassland, w woodland etc, o open forest, c closed forest
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Table S1 (continued)

Genus	Origin	Age (mya)	Australian species	Macrohabitat	Microhabitat	Maximum length	Total RLU	Mesic RLU	Sclerophyllous RLU	Monsoonal RLU
<i>Thyene</i> Simon, 1885	Partial	7.5	3	d&w	g&f	7	11	3	5	3
<i>Urogelides</i> Zabka, 2009	Endemic		1	o&c	f&l	3	1	1		
<i>Yamangalea</i> Maddison, 2009	Partial		1	c	f&t	5	2	2		
<i>Zebraplatys</i> Zabka, 1992	Endemic		4	w	t	8	27	13	11	3
<i>Zenodorus</i> Peckham & Peckham, 1886	Endemic	23.9	14	w&o&c	t&l	5	25	11	10	4

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Figure S1 Maximum parsimony tree for biome usage by Euophryini.
(White Mesic; black Sclerophyllous.)

