

Supporting information

Table S1: Characteristics of the 21 microsatellite loci that were selected for use in characterizing the genetic variability of the Dibbler, *Parantechinus apicalis*.

Locus	Species	Nature of repeat	Size (bp)	Multiplex	Cycle	DNA (10ng/uL)	PCR Anneal Temp (C°)	Primer sequence (5' - 3')	References
pPa2D4	<i>Parantechinus apicalis</i>	NA	193-203	2	x35	1	56	CAATCTGTCAATAACCTTCCCCC TGGAGGACCTCCAGAAAGTTAGC	[47]
pPa2A12	<i>P. apicalis</i>	(GT)21	103-133	2	x35	1	56	ATCCTGGAGAAGAGAAGACCTGC GTGGCTTATTCCATGCTTGTAGG	[47]
pPa2B10	<i>P. apicalis</i>	(GT)23	172-182	4	x40	1	58	GAGAAAAAATATGCACAAGCACC AAGGAGAAAAAGTTAATACCATCCC	[47]
pPa7A1	<i>P. apicalis</i>	(GAA)85	298-315	2	x35	1	56	CTCCACCTCTCTAGACATGACCC TTTACTTGCTTTGTACTAGAGGCC	[47]
pPa7H9	<i>P. apicalis</i>	NA	159-173	2	x35	1	56	AAATAACAACAATAGTTCATTATGT ATTATTTGCTTACTTTGAAGATATA	[47]
pPa9D2	<i>P. apicalis</i>	(GT)4AT(GT)11GC(GT)3	94-103	4	x40	1	58	TGGAAAGCAATATGGTAGAAGTGTG TTCAAGGGTTCAAAACAACATTCTT	[47]
pPa1B10	<i>P. apicalis</i>	(GAAA)46	197-236	2	x35	1	56	AAGGAGGGATGGAGGAGGAA CAGTGTTCTGAATGACATTGGCTAC	[47]
pPa4B3	<i>P. apicalis</i>	(GT)15	125-135	4	x40	1	58	GAAGGACAACATTCCCGATTGT CCTACCCTAATTGCAAATCCTTTC	[47]
pPa8F10	<i>P. apicalis</i>	(AC)19	91-103	4	x40	1	58	CAATCTAGGAATCACAGAACTCCC TTTGCATCTACCTAATTGCGTGT	[47]
pDG1A1	<i>Dasyurus geoffroii</i>	(AG)20	208-224	3	x35	1	54	ATTTGCTTCTTGCTCCCTACAGC TTTCACTCCTTCTGAGTTTATCACC	[48]
pDG1H3	<i>D. geoffroii</i>	(TG)17	190-204	4	x40	1	58	GTGGATTGACACAATCAGAGTGG GCAATTCCATCTTTATTGCATGC	[48]
pDG6D5	<i>D. geoffroii</i>	(AC)22	101-135	3	x35	1	54	CCTCCAGACAAATGCAACC TCTCTGAATTTACTGATAGTATCTTTGG	[48]
3.1.2	<i>Dasyurus spp.</i>	(CA)18	177-185	3	x35	1	54	AGGAACTTCACAAGTGTCGA ATTAATGACTCATCTGTTGTTGG	[49]

3.3.1	<i>Dasyurus spp.</i>	(CA)20	130-152	3	x35	1	54	CAGCCCTTGAGTCTTGAGATT CATACCACCCCAGGAGTTTC	[49]
3.3.2	<i>Dasyurus spp.</i>	(CA)21	156-172	1	x35	2	46	AATAGCAGAGACTCGATCC AGCCTTTATTACCTGGGAAG	[49]
4.4.2	<i>Dasyurus spp.</i>	(CA)19	125-133	2	x35	1	56	GAAATCCAAGCTCATTTTAG AATCAACTCTGGAATGCATC	[49]
4.4.10	<i>Dasyurus spp.</i>	(CA)29	219-242	3	x35	1	54	AATGCTAGATTTCCTCCC CCTCACATTTCTGGAACTG	[49]
Sh3o	<i>Sarcophilus laniarius</i>	(CA)22	195-197	1	x35	2	46	CTCAATGCCAAAGGTATCTTC CATAGTTCCAAATCACTCTCCAG	[50]
Sh6e	<i>S. laniarius</i>	(CA)6 (A)2(CA)18	166-181	3	x35	1	54	GATTCTAGAAGGGATAGCAAGC GAACTCCATAGAAATGCACTG	[50]
Aa4A	<i>Antechinus agilis</i>	NA	162-174	1	x35	2	46	TTTGATCCTCAGAGACTTGAT CCAAATCTACGTAAAATATCC	[51]
Aa4J	<i>A. agilis</i>	NA	164-182	1	x35	2	46	TCTTCAGTCTCTCAATGAGTT AGAACACTCTAACAACATCCT	[52]