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Additional File 1: List of 49 cross-species SSR markers used in this study

Development of an SSR-based DNA fingerprinting method for black wattle (*Acacia mearnsii* De Wild)

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No.	Name	Dye	Primer sequence (5'-3')	Selected (Y/N)	Repeat motifs	Nucleotide repeat	Annealing Temp.	Size range-bp	No. of alleles	Reference
1	AH2-1	FAM	F: GACAGAGGGAGCATTTTGTA R: CAGACAAGACCAGAGAATGAC	Y	$(CT)_{12}$	Di-	60	146-160	10	Aggarwal et al. 2011
2	AH2-2	VIC	F: CGGTTTAGCAGTCACAGAAG R: TACAAGCATCATCATGGAAG	N	$(CA)_{7}$	Di-	52	170	1	Aggarwal et al. 2011
3	AH2-4	FAM	F: GGATTATAAATGGCTGATCG R: TGGTCCCCTAACTACAAATG	N	$(TA)_{18}$	Di-	-	-	-	Aggarwal et al. 2011
4	AH2-5	None	F: TGAGTCAACCAACTTCCTTC R: CGATTCGCAACTAAAAGTG	N	$(TG)_{11}$	Di-	-	-	-	Aggarwal et al. 2011
5	AH2-6	None	F: ACAGTGGTATGATGGGAGTG R: CACTAACGTCACAATGATCG	N	$(TA)_{8}$	Di-	-	-	-	Aggarwal et al. 2011
6	AH2-9	HEX	F: CGTCTCATCGATCTTCTTTC R: GGAGGCATAACATCAAACAT	N	$(AT)_{7}$	Di-	60	152	1	Aggarwal et al. 2011
7	AH2-10	None	F: CAGTGTTGTGGTCCTTTTTC R: TTTACTCTCGAGCAAACACC	N	$(TA)_{10}$	Di-	-	-	-	Aggarwal et al. 2011
8	AH2-11	Cy3	F: CAAGCGTTCAGTAGAGGTTT R: CCCTGTAGATATAAGCACTGAAC	N	$(AT)_{7}$	Di-	60	222	1	Aggarwal et al. 2011
9	AH2-12	Cy3.5	F: CTTGTATTTCCATGGTGAGTC R: AGCGATTGATATCCTTGAGA	N	$(AT)_{10}$	Di-	-	-	-	Aggarwal et al. 2011
10	AH2-13	NED	F: GAAGAAGCAGGAGGAGGTAG R: TGTTTTCCACTTCTCACACA	Y	$(AG)_{7}$	Di-	60	143-151	7	Aggarwal et al. 2011
11	AH2-14	HEX	F: CGGAAGAAGAAGAAGAAGAA R: AATACAGCACTTGGCAACA	N	$(AT)_{25}$	Di-	-	-	-	Aggarwal et al. 2011
12	AH2-15	None	F: TCCGAAATGTTGAACTAAGG R: TATGAAAGCCAACCAGAAAC	N	$(CA)_{10}$	Di-	-	-	-	Aggarwal et al. 2011

No.	Name	Dye	Primer sequence (5'-3')	Selected (Y/N)	Repeat motifs	Nucleotide repeat	Annealing Temp.	Size range-bp	No. of alleles	Reference
13	AH2-17	None	F: AAATTCTCTTCGCAACCAC R: TCTGAGGTATTCCATTAGGC	N	$(CT)_7$	Di-	-	-	-	Aggarwal et al. 2011
14	AH01	FAM	F: TTGAGGTTGAGGGTGATGAA R: GGCAAGCCTCTCTCTCTCT	Y	$(GA)_6$	Di-	58#	106-116	5	Ng et al. 2005
15	AH16	HEX	F: GAGGGTAATGCTTCAAGTAGAC R: TGCGTGTCTCCCCACTACTC	Y	$(GA)_{16}$	Di-	60	86-88	2	Ng et al. 2005
16	AH18	Cy3.5	F: GGCGCAACTCTCTCTCTCT R: TTGGTCACTTAGCGCATGCC	N	$(CT)_6(CA)_6$	Di-	60	38	1	Ng et al. 2005
17	AH29	Cy3	F: GGCCATCTCTATCCATCTCC R: CCTTCCCCAATTCCTTTGCTT	N	$(GA)_{10}$	Di-	58#	122-134	4	Ng et al. 2005
18	AH56	Cy3.5	F: GATAGCTCATAGAAACACCATACC R: GGCGAAGCTCTCTCTCTCTCTCTCT	Y	$(GA)_9$	Di-	60	123-129	4	Ng et al. 2005
19	AH59	HEX	F: CTACGAGGCACAAAAGTT R: GTGAGGGCTCTCTCTCTCTCTCTCT	N	$(GA)_9$	Di-	58#	119-139	3	Ng et al. 2005
20	AH71	FAM	F: GGGGGAGCTCTCTCTCTCTCTCTCT R: GCTACTAAGGTTTCTTTCACGG	N	$(CT)_{11}$	Di-	-	-	-	Ng et al. 2005
21	AH76	HEX	F: GGGGAGGCTCTCTCTCTCTCTCTCT R: GTGACCTGAGTTAGGAAGGAGC	N	$(CT)_{10}T(CT)_4$	Di-	60	135-145	2	Ng et al. 2005
22	AH3-1	PET	F: CTAAGGCACTTGGATCATTC R: AGAGAGAGAGAGGCACACTG	Y	$(TCT)_5$	Tri-	60	214-217	2	Aggarwal et al. 2011
23	AH3-4	None	F: GATCTCAGCAGCAGCAAC R: CTGGTGGATGTGGTTTGG	N	$(AAG)_9$	Tri-	-	-	-	Aggarwal et al. 2011
24	AH3-6	HEX	F: AGCCAAGGTTGAGACTGTAA R: TCCTTTTTCTCAGCTTTGTC	N	$(AAG)_5$	Tri-	-	-	-	Aggarwal et al. 2011
25	AH3-10	FAM	F: AGGGATATCGGATGCTTACT R: AAAGATGCAGCAGACCTATC	Y	$(GAT)_7$	Tri-	60	178-202	10	Aggarwal et al. 2011
26	AH3-13	Cy3	F: GAGGGATGAGATCTGTTTGA R: CACCGAAATCATCAGGATAG	N	$(CTT)_6$	Tri-	60	218-227	2	Aggarwal et al. 2011
27	AH3-17	Cy3.5	F: AATACTGGCATTTCGTGTCT R: AACAAAACATCACCAAGGTC	N	$(TTC)_7$	Tri-	60	155	1	Aggarwal et al. 2011

No.	Name	Dye	Primer sequence (5'-3')	Selected (Y/N)	Repeat motifs	Nucleotide repeat	Annealing Temp.	Size range-bp	No. of alleles	Reference
28	AH3-18	FAM	F: TGAGACAATTAATGGTGGTG R: TTTACAAGGGAAAAGCTGAG	Y	$(TAA)_5$	Tri	60	209-221	4	Aggarwal et al. 2011
29	Am30	HEX	F: GAGGTAATATTTTGAATTCCTTGAAC R: GGTGTATACCTCTTTCCTGTGG	N	$(AT)_9(GT)_{15}$	Di-	60	81	1	Butcher et al. 2000
30	Am41	FAM	F: TAGGCTAATGGTCATATTCCTAG R: AGAGATAGGGGTACACACTAAAAAAC		$(GT)_{36}$	Di-	-	-	-	Butcher et al. 2000
31	Am136	HEX	F: CCCATTGCCGTTTCTTTG R: GCATTTCCCTTGGAACAGTC	N	$(CT)_{20}$	Di-	-	-	-	Butcher et al. 2000
32	Am164	HEX	F: ACCCGGACGTATAGAAATAAATACA R: CGTGGAGGCAAGCAATATC	N	$(TG)_{93}$	Di-	60	46	1	Butcher et al. 2000
33	Am387	FAM	F: TGATACAAGGGAAGACAGAGTGG R: CCAACTCAAAACCTGACAACG	N	$(AT)_2(GT)_2(AT)_2(GT)_{17}$-$(TA)_8$	Di-	-	-	-	Butcher et al. 2000
34	Am424	NED	F: AATACATGGAAGAGGATGAGATG R: ATTGCATTTCATTTGTTGCC	N	(GT)2 $(TG)_2$,A$(GT)_4$,GA$(GT)_9$	Di-				Butcher et al. 2000
35	Am465	Cy 3.5	F: TGGGTATCACTTCCACCATT R: AGGCTGCTTCTTTGTGCAGG	Y	$(AC)_{23}$	Di-	60	113-131	5	Butcher et al. 2000
36	Am502	VIC	F: CAAATGGCCAAGTTACGACTG R: TTCTGGTAATCCAAACTTATGTGG	N	$(TTC)_3$-$(GGA)_8$,AGA$(GGA)_2$	Tri-	-	-	-	Butcher et al. 2000
37	Am770	FAM	F: CAGAGGTGGCAGATGATGTC R: AAGCCTTTAGTTGGGCGTTC	N	CTC$(CAC)_5$CGC$(CAC)_3$	Tri-	60	84	1	Butcher et al. 2000
38	Ak06	FAM	F: AGGTTGATGAAAAGGCATGG R: TCTCAGGTTTGGTGGGTTTT	N	$(AAG)_6$	Tri-	-	-	-	Adamski et al. 2013
39	Ak08	VIC	F: ACAGTTCCACCTCACCGTTC R: CGACCCTATCACCTTCTTGC	N	$(TACA)_8$	Tetra-	-	-	-	Adamski et al. 2013
40	Ak15	VIC	F: CACCCCCACGTTATCTTACA R: GACTGGCGAAAGAGTCGAA	Y	$(TAT)_5$	Tri-	60	297-309	4	Adamski et al. 2013
41	Ak16	PET	F: GCTCCTTGTCATGCTCTTTCA GCTGGCAGCTGCTGTAGTTT	N	$(A4G)_2$AA$(A4G)_2$	Di-	TD: 54	220	1	Adamski et al. 2013
42	Ak28	NED	F: ACTGGTGCAGTGTCTGTTGC R: ACGCAGGTCAATTGTGTTGA	N	$(ATTA)_4$	Tetra-	-	-	-	Adamski et al. 2013
43	Ak39	VIC	F: AGCAAACTTGGCCTTCAAGA R: CAACTGCTCCTGTTGGTGAA	N	$(GTGC)_3$	Tetra-	-	-	-	Adamski et al. 2013
										Adamski et al. 2013

No.	Name	Dye	Primer sequence (5'-3')	Selected (Y/N)	Repeat motifs	Nucleotide repeat	Annealing Temp.	Size range-bp	No. of alleles	Reference
44	Ak50	PET	F: AGGTTGATGAAAAGGCATGG R: TCTCAGGTTTGGTGGGTTTT	N	$(AAG)_8$	Tri-	TD: 54	234	1	
45	Ak89	FAM	F: AGGGGAAGGACGAAAGTTGT R: GCAAGAGGAGCTTCAAGTGG	Y	$(AC)_7$	Di-	60	160-174	5	Adamski et al. 2013
46	Ak219	FAM	F: AACAAATACCAAGGCGACAAA R: GGGTACTGGAAGAGCAGGTG	N	$(GAA)_4$	Tri-	60	190	1	Adamski et al. 2013
47	As2.17	HEX	F: TCCTCGCTTCTCGACATTTT R: GCTCGAACCTTTCAAACGAA	N	(AC)7$(TC)_7$	Di-	60	111	1	Millar 2009
48	As2.46	HEX	F: GTTCTCTTGCCCTGTTTGCT R: AGGCTGGAAATAAATGGAGGA	N	$(TC)_7$	Di-	-	-	-	Millar 2009
49	As2.61	FAM	F: CTGAATGTGCTTCTTCTCTCTTGG R: GGGAATCTGCCTTTAGTTTGC	N	$(TC)_{12}$	Di-	-	-	-	Millar 2009

[#] 0.5 mM additional $MgCl_2$ added