

Supplemental Table S5
Primers Used in This Study

Included in Fig. 1A	Marker Has AIP; Included in Fig. 1B	Included in Table 2 & Figure 3	Old Marker Name	New Marker Name	Start	End	Forward	Reverse	Tm
		X	BADHAPup9	BadhapUP12	17020003	17019198	CTCTACGTACGTCCACTTGATGA	GACCTGGTTTGACGGGAATA	55
		X	BADHAPup8	BadhapUP11	17589371	17590115	TGATCTTCAAAATGTTGCTTCC	TCGCCTTTTATAAGACCAGTCC	55
		X	BADHAPup7	BadhapUP10	18237475	18238153	AATGTGGGGCACAAGTAAATG	CCATTGACTTCGCAGTTCCG	55
	X	X	ARO19	BadhapUP9	18933350	18933699	CCACCCTTTAGAAAAGCCAAGT	GGACACATATCGGAGCGTATC	55
	X	X	BADHAPup6.5	BadhapUP8	19588765	19589793	CAAAATCGTAAAACGGGATGAG	CTTCTTAGCTGAAGGCTGAACG	55
		X	BADHAPup6	BadhapUP7	19934276	19935046	ATGGAACAGCACTTGGGCATC	CACGATGGTGCTCCAGGAT	55
	X	X	BADHAPup4	BadhapUP6	20150703	20151430	CATTGGCCTCTACACCAT	CCACCAATGATCACTCTCTCTT	55
	X	X	BADHAPup3	BadhapUP5	20180146	20180845	GCCGGAGGTATGACATGGA	TCCTGACAACGGTCCAGATG	55
	X	X	BADHAPup2	BadhapUP4	20202769	20203215	TCCCCATTGTGGTGGTACA	CCGTCAAAGGTAATGGTCACT	55
	X	X	BADHAPup1	BadhapUP3	20228635	20229212	GAAGCAAGTGGAAATTGCAAAA	GCAGTTGGCCACATAAACAA	55
	X	X	ARO9	BadhapUP2	20242081	20242544	CATGAATGTTCCCGTTGAAA	GCAGGTGGCAGTCCACTACT	55
	X	X	PRO2	BadhapUP1	20244602	20245371	CTTGGTGGTAAAGTCGATGCC	TTGTCTCTGCAATGAAGCTTGT	58
	X	X	ARO6	MITE	20245672	20245971	ACCGACTTAAATACGAACGATG	GTCAAACCTCCGACGTCATA	55
X		X	IN1	BadhapG1	20246844	20247918	CGAAGTCCGTACCAACTGC	GGCCGTGAGCCATATACACT	55
X		X	IN2	BadhapG2	20247795	20248554	AGTTGGAAGCATGGCTGATT	CCAGCTCAGATTTCTCTCG	55
		X	IN3	BadhapG3	20248572	20248829	GATTGTGGGAAGCCTCTTGA	CGATAGGCTCTTTCCGAAGAT	55
X		X	IN4	BadhapG4	20248809	20249591	ATCTTCGGAAAGAGCCTATCG	AGGAGCTACCTTCCATGTTGC	55
X		X	IN5	BadhapG5	20249571	20250262	GCAACATGGAAGGTAGCTCCT	CCACCAAGTTCAGTGAAACAG	55
X		X	IN6	BadhapG6	20250241	20251070	CTGTTTCACTGGAAGTGGTGG	GAATAAGACGCGATGTTGCACT	55
X		X	IN7	BadhapG7	20251049	20251510	AGTGCAACATCGCGTCTTATTC	CCCTCTTCAAGTGGATCTGACA	55
X		X	IN8	BadhapG8	20251489	20252254	TGTCAGATCCACTTGAAGAGGG	GAGTATCGTTGGCCAATTCAATG	55
X		X	IN9	BadhapG9	20252232	20252941	CATTGAATTGGCCAACGATACTC	GGCGTACTCCGTCACTTGCT	55
	X	X	END1	BadhapDOWN1	20254617	20255330	ATAGTGATTCAACGGCAGCAT	CGACATCTAGCGAGCATTG	55
	X	X	END2	BadhapDOWN2	20256134	20256913	GCGGTTGATCTCTCGTACC	CAAATGGCAACTACCACCAT	55
	X	X	ARO1.5	BadhapDOWN3	20258275	20259051	AGGAAATGTGCGACGTCTGT	CGTGACCACCTAAGCCGTAT	55
	X	X	BADHAPdown1	BadhapDOWN4	20271039	20271629	TTGAAAGATGAGAACGGCAC	GAAATGCTACCTGAGGATTTGA	55
		X	BADHAPdown2	BadhapDOWN5	20283408	20283912	TTCGAGGCGTCATCAATTT	AAATGAGACCAGGAGTTCCAAT	55
	X	X	BADHAPdown2.5	BadhapDOWN6	20292211	20293044	GTTGTGCTCACACAGCTTGA	CAGATTATCCCACTCGAAATCA	55
	X	X	BADHAPdown3	BadhapDOWN7	20297924	20298476	AGGCCGAACTTACGTTGT	CTTGGCCCCACCATTACAT	55
		X	BADHAPdown4	BadhapDOWN8	20318747	20319033	CCAGGAAAGCTGCTGCAC	GTCGTAGGAGTCGGCCTTG	55
	X	X	BADHAPdown6	BadhapDOWN9	20587910	20588319	CAATTGTTCAGACGCACCA	AGTCGAGAATCCTCCATCTTGC	55
		X	BADHAPdown7	BadhapDOWN10	20901884	20902589	CTCCCTGAGGTGTTCTTGATG	TCTTGCTGAAACCTGGGTATG	55
	X	X	BADHAPdown8	BadhapDOWN11	21575778	21576441	GAATTCGTGTGCCAGGCTA	CGGCGTTGACGACCTGTA	55
		X	BADHAPdown9	BadhapDOWN12	22344208	22345014	TCTTGCTGAAGGCGACCTAT	TTTCGCGTCTTTCTTGTC	55