

***bak1-5 mob1***

<b>SNP location</b>	<b>Primer sequence (5'-3')</b>
I_825457_F	TGTGAATAGAATGGACTCTC
I_825457_R	TGCCATAGGATCTCTCACTT
I_11892068/070/252_F	TCTTCTCGTCCCACATATC
I_11892068/070/252_R	AACAAGGTGATGAAGAAATGGA
I_16516501_F	GATCGGGGTTCTCAAAGT
I_16516501_F	CACAAGATGATGTTCATAAAGT
I_16525522_F	CTCATCAGTACTATAGTCCTC
I_16525522_F	TGTTCACTAGGACCCTTAGTGT
I_24243231_F	TGCAGAGATGTCTACCACGG
I_24243231_R	TATCACTATGAGTGACACTTA
V_23206476_F	ACACATTTGACCGCTGAATCAC
V_23206476_R	TGTGATTGCTTATATAATCATC
V_26457834_F	AGATTCGCCTCTAAAGGCTA
V_26457834_R	TTCTCTAACCCACGCATGTG
V_26458077_F	AGATTCGCCTCTAAAGGCTA
V_26458077_R	TTCTCTAACCCACGCATGTG
V_26474069_F	CGTTGAGA ACTTGATCAATG
V_26474069_R	GAGGATCTGTTTCAGTTTCG

***bak1-5 mob2***

<b>SNP location</b>	<b>Primer sequence (5'-3')</b>
I_7446564_F	AGAAAATTAAGCACCGGA
I_7446564_R	TGTGTTGTAATATTCTGG
I_11892984_F	TCTGCAACATCATTATATTCATCATGT
I_11892984_F	TTAGGCATCGAAAGAGTTCC
I_16513961_F	TGATCGGACTCAGCATAATCCT
I_16513961_F	CTACAAGTCATCTAGGGCCAA
I_17757465_F	TGCTGCGACTCGGTATTC
I_17757465_R	CCAGAATTCATAAACAAT
I_18192647_F	GAGTTCGGCCA ACTCAATGAC
I_18192647_R	TTGCAAGCATTTCGACAAGTACCT
I_22178447_F	TGTTCAAGCCGCTATTCCAAGA
I_22178447_R	TAGTATGAATAAGTCTTTGG
II_2568811_F	TGCCCTTTCAACCAATTCGG
II_2568811_R	TCGCAGATGGGTAAGAGCAGC
IV_2362567_F	ACGGTTTACTAACCAATTAC
IV_2362567_R	TGGAAGGGTGCAAGGAACGGATG
V_5569896_F	GTGATATATGAGGAACAGAAG
V_5569896_R	AGATCTTCGAGCCAGCTCTCGGG
V_14285189_F	CTGGTTGCCAAACATAAC
V_14285189_R	GGAATGACGACTCAGGACGGAGCTG
V_15751875_F	TGGGTATTATAGGAATGGTT
V_15751875_R	ATTGCACTCCAAGGACCGGTATGG
V_17503318_F	TGCACCAGGCATAATT
V_17503318_R	ATTCAGCTGAACTATCTAC

V_17820568_F	TCTGACAGCAAAGCTGGAGAT
V_17820568_R	TAGATTCAAACCTAATCATACT
V_18251689_F	CGTTAATTAATTTGTAGT
V_18251689_R	CCTTAGCTGCTTCTGCTCCTT
V_18261108_F	CTTGCTGACACTTTAGAGTC
V_18261108_R	CTCATCAATAACCACCTCTTCTTG
V_18399206_F	ATGGCGGTGAGTTTGACGG
V_18399206_R	TCGGAACCTGTTATGAACAACCTTG
V_21859555_F	CTGCATGGAGTGTCTGGCGAA
V_21859555_R	CATTAGACATGGTACTATCA
V_21939106_F	GACTTTGTGTGCCACTACTTTA
V_21939106_R	TGGCCAACATTTTGCATCCACAG
V_22002355_F	ATATTGACCAGCAATAGCTT
V_22002355_R	GACCATTGGAACGCCGCCATTTCG
V_22066915_F	GATTTTCATACCTTAAATTAGTG
V_22066915_R	ATATCATCAGTTGATAAAGCAT
V_22430866_F	CTTCTCAATGGGGACATCATG
V_22430866_R	GAGACGGTGACGTTTCCTG
V_22449787_F	GGCGGAGGAACAAGGTTCC
V_22449787_R	AAAGGATTGGATGACT
V_22565056_F	GACAATAAAAGCATTAGCTAA
V_22565056_R	CTCTAAGTCATCATCATGTTGT
V_26458017_F	AGATTCGCCTCTAAAGGCTA
V_26458017_R	TTCTCTAACCCACGCATGTG
V_26560691_F	CAAGTTTCTAACAAGAAC
V_26560691_R	CTGATTCTGGGTTCTCA
V_26626055_F	CCCGACGAACCGGTGTACCG
V_26626055_R	TCCACCTAGAAATATCCTCCTTT
V_26710709_F	GGTTATAGTTTCTTAGGAAG
V_26710709_R	TCCCATAGTTACAAGTCATTAC
V_26716839_F	CGTTTCAATATCTGCAATACT
V_26716839_R	TGTGGTACTCTTGTGGTT
V_26935248_F	TCAGGAGCTAGGCCTAACATG
V_26935248_R	CCACGCCGGAGGCACTGTAAG

**Additional File 6: Primers used in this study.**

Genomic regions containing candidate SNPs in *bak1-5 mob1* and *bak1-5 mob2* were amplified by PCR using these primers and Sanger-sequenced alongside *bak1-5* as a control.