

Table S3 Thirteen genes that were mapped in the QTL *Qphs.pseru-3AS* region by comparative mapping

Wheat ESTs	Rice annotated genes	<i>Branchypodium</i> annotated gene	Forward primer	Reverse primer	SNP primer*
XFE900150	<i>LOC_Os01g15209</i>	<i>Bradi2g00780</i>	TTTTGTGCCCTCGTATGTTT	AGCTGAACAATGGCGAAGAT	-
Ctg830728	<i>LOC_Os01g02050</i>	<i>Bradi 2g00910</i>	CAACCTAGGCGGCAGTTTTA	ACCGAGACgGGAATCCTAAT	-
BE423484	<i>LOC_Os01g02070</i>	no	CCACGGTCTCGTCATTCTT	TTTCGAAACGGAACTAGCC	-
BE401794	<i>LOC_Os01g02090</i>	<i>Bradi 2g00980</i>	GGGCCATCTTGGTAGGAAAT	TGCTCACCAGGCATGAGATA	-
CD910417	<i>LOC_Os01g02100</i>	<i>Bradi 2g00990</i>	CATGCCTGTGAAGAGCTCAG	AAGGTACGGGTGCAATGAAT	AGCACTGGACTGAAGTT TACCA
CA654295	<i>LOC_Os01g02110</i>	<i>Bradi 2g01000</i>	GTCCGAAGAGAGCGCATCA	GGAGAATTGATCTAAAAGGAGTGA	-
AL815375	<i>LOC_Os01g02130</i>	<i>Bradi 2g01030</i>	CCCTCTCGCTGCTAACCAC	GTACGTACACGCGCACCA	-
Ctg30698	no	<i>Bradi 2g01070</i>	GTATTGCCAGCCCCTGACT	GAACCCTGAGGGATGTCAAA	-
CJ575364	<i>LOC_Os01g02170</i>	<i>Bradi 2g01090</i>	TCACTGCAACCAAAATTCTCA	GGTGTGCCTGCACTACCTCT	-
CJ550920	<i>LOC_Os01g02190</i>	<i>Bradi 2g01090</i>	CGGCTAGCTGGCTAGTTCGT	AAGGGCAGGACCTAGAGC	-
CJ551268	<i>LOC_Os01g02200</i>	<i>Bradi 2g01100</i>	CGCTTATGATGGGCTTATTTG	ATCCTTGGGATTGCATCATC	-
CJ952112	<i>LOC_Os01g02300</i>	<i>Bradi 2g01120</i>	ATCGGAAGCATTACCATGT	GCCAGCTCAAGCATGTCTA	-
BE591959	<i>LOC_Os01g02310</i>	no	TTTCAGGGTCAATTTGGTGA	TTGCATAGTCCAAAATCAGAAA	-

* indicates the gene that was mapped using the SNP marker.