

Table S2: Molecular markers used to detect wheat 1BS chromosome arm.

Marker	Polimorphic/Non polimorphic	Physical position (Mb) Zhao et al. (2019) [31]	1BS chromosome deletion bins (Raats et al. 2013) [32]	Oligo Sequence 5' to 3' (Forward)	Oligo Sequence 5' to 3' (Reverse)	Reference
<i>GluB3a</i>	Yes	6,436713	-	CACAAGCATCAAAACCAAGA	TGGCACACTAGTGGTGCTC	Wang et al. (2009) [33]
<i>GluB3b</i>	no amplification	-	-	ATCAGGTGTAAAAGTGATAG	TGCTACATCGACATATCCA	Wang et al. (2009) [33]
<i>GluB3c</i>	no amplification	-	-	CAAATGTTGCAGCAGAGA	CATATCCATCGACTAAACAAA	Wang et al. (2009) [33]
<i>Xpsp3000 (Gli-B1)</i>	Yes	5,137914	5_1BS.sat18-0.50-1.00	GCAGACCTGTGTCTATTGGTC	GATATAGTGGCAGCAGGATACG	Devos et al. 1995; Howell et al. (2014) [34,35]
<i>Xgpcw1143</i>	No	-	5_1BS.sat18-0.50-1.00	CTGTTGTGGGGTGTGCATGT	CCCCAGCAGCATGAATAAGT	Sourdille et al. (2004) [36]
<i>Xwmc798</i>	Yes	-	5_1BS.sat18-0.50-1.00	GTGTGGTAGTGTAGCTGCCAAAAG	GTTAGCATGGCACATAGAAGCAG	Somers et al. (2004) [37]
<i>Xbarc8</i>	No	-	4_1BS9-0.84-sat-1.00	GCGGGAATCATGCATAGGAAAACAGAA	CGGGGGCGAAACATACACATAAAAAACA	Somers et al. (2004) [37]
<i>Xcfa2241</i>	No	-	4_1BS9-0.84-sat-1.00	TTGGCCATCAGGCTCTAGTT	GTGATGCTGTTCTCAAGCCA	Sourdille et al. (2004) [36]
<i>Xwmc406</i>	Yes	38,575713	4_1BS9-0.84-sat-1.00	TATGAGGGTCGGATCAATACAA	CGAGTTTACTGCAAAACAAATGG	Somers et al. (2004) [37]
<i>Xgwm413</i>	Yes	73,13503	4_1BS9-0.84-sat-1.00	TGCTTGCTAGATTGCTTGGG	GATCGTCTCGTCTTGCA	Röder et al. (1998) [38]
<i>Xwmc230</i>	Yes	-	4_1BS9-0.84-sat-1.00	AGAAGCGAGCAGGTGTGTTTGA	CTGCTTCCTCCCAACAGATG	Somers et al. (2004) [37]
<i>Xwmc619</i>	Yes	65,283285	4_1BS9-0.84-sat-1.00	TTCCCTTTCCCTCTTTCCG	TACAATCGCCACGAGCACCT	Somers et al. (2004) [37]
<i>Xgpcw1143</i>	No	-	3_1BS9-0.84-1.06	CTGTTGTGGGGTGTGCATGT	CCCCAGCAGCATGAATAAGT	Sourdille et al. (2004) [36]
<i>Xgwm18</i>	No	-	3_1BS9-0.84-1.06	TGGCGCCATGATTGCATTATCTTC	GGTTGCTGAAGAACCTTATTTAGG	Somers et al. (2004) [37]
<i>Xgwm273</i>	Yes	212,510089	1_C-1BS-0.50	ATTGACGGACAGATGCTTT	AGCAGTGAGGAAGGGGATC'	Röder et al. (1998) [38]
<i>Xwmc277</i>	No	-	1_C-1BS-0.50	CATAGTGTGACCAACTACGAAC	GTGTGCTAACCTCTATAGTGTG	Somers et al. (2004) [37]
<i>Xgpcw1239</i>	No	-	-	TCGCCTTTACTACGGAGTGG	AACAATCGACCAACAAAGCC	Sourdille et al. (2004) [36]
<i>Xgpcw3013</i>	No	-	-	GGAGGAGAAGGAAGCAAAGG	AGATTCATAACATACATGGGCG	Sourdille et al. (2004) [36]
<i>Xgwm11</i>	Yes	216,036361	-	GGATAGTCAGACAATCTTGTG	GTGAATTGTGCTTGTATGCTTCC	Röder et al. (1998) [38]
<i>Xwmc31</i>	No	-	-	GTTACACGGTGATGACTCCCA	CTGTTGCTTGCTCTGCACCCCTT	Somers et al. (2004) [37]
<i>Xwmc49</i>	No	-	-	CTCATGAGTATATCACCACACA	GACGCGAAACGAATATTCAGT	Somers et al. (2004) [37]
<i>Xwmc128</i>	No	-	-	CGGACAGCTACTGCTCTCTTA	CTGTTGCTTGCTCTGCACCCCTT	Somers et al. (2004) [37]