

Table 4 Information of markers for genotyping target genes (Sequences were provided by Liu Qiaoquan Lab in Yangzhou University)

Gene	Marker name	Primer sequence	Marker type
<i>GS3</i>	GS3PST-F	TATTTATTGGCTTGATTCCTGTG	CAPs
	GS3PST-R	GCTGGTTTTTACTTTCATTGCC	
<i>Wx</i>	pAg	GCTTCACTTCTCTGCTTGTG	CAPs
	pBg	ATGATTTAACGAGAGTTGAA	
<i>ALK</i>	ALK-F	CAGGGACACGATAAACTCTTCTT	Sequencing
	ALK-R	GCATCAATGGACATAACAAACAC	