

Table S2. The wheat varieties/lines used in this study.

Name (Abbreviation)	Origin
Xiaoyan 6 (XY6)	Hybrid of <i>Triticum aestivum</i> and <i>Thinopyrum ponticum</i>
Xiaoyan 22 (XY22)	(Xiaoyan 6×775-1)×Xiaoyan 107
Xiaoyan22-3(XY22-3)	Sib-line of Xiaoyan 22
Xiaoyan22-5(XY22-5)	Sib-line of Xiaoyan 22
186Tm47(Tm-47)	Hybrid of <i>T. aestivum</i> and <i>T. monococcum</i>
186Tm39(Tm-39)	Hybrid of <i>T. aestivum</i> and <i>T. monococcum</i>
98-10-30	Hybrid of <i>T. aestivum</i> and <i>T. turgidum</i>
98-10-19	Hybrid of <i>T. aestivum</i> and <i>T. turgidum</i>
Xinong979 (XN979)	Derived line of Xiaoyan 6
Mingxian169 (MX169)	<i>T. aestivum</i> from China
Aikang58 (AK58)	<i>T. aestivum</i> from China
Shan122 (S122)	<i>T. aestivum</i> from China
Xinong1376 (XN1376)	<i>T. aestivum</i> from China