

**Table S4. Correlation between REPINs and repeat families previously detected in SBW25.**

	<b>GI REPINs<sup>a</sup></b>	<b>GII REPINs<sup>a</sup></b>	<b>GIII REPINs<sup>a</sup></b>
<b>R0<sup>b</sup></b>	152	0	3
<b>R2<sup>b</sup></b>	3	85	51
<b>others</b>	37 <sup>c</sup>	1	0

<sup>a</sup>Only exact matches of GI, GII and GIII 16-mers were considered when searching for REPINs. <sup>b</sup>Repeat families detected in SBW25 by Silby et al. (2009). <sup>c</sup>The high number of others for GI doublets is attributable to the presence of two different REP orientations within REPINs (TT-AA is found in R0, AA-TT is not).