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Correction: The *WtmsDW* locus on wheat chromosome 2B controls major natural variation for floret sterility responses to heat stress at booting stage

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A Correction on

The *WtmsDW* locus on wheat chromosome 2B controls major natural variation for floret sterility responses to heat stress at booting stage

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In the published article, there were errors in the **Results** and **Discussion** sections, as well as **Data Sheet 1**. These errors became apparent when the seed stock of the doubled-haploid (DH) line WW28450 was subsequently found to be a mixture of two DH lines. These comprised one line that was Drysdale-type non-recombinant for chromosome arm 2BS, and a recombinant line that was Waagan-type for the 2BS *WtmsDW* interval and Drysdale-type proximally. The authors wrongly interpreted the marker calls to indicate that WW28450 had a deletion of the *WtmsDW* interval when in fact there was no such deletion.

The following text, located in **Results**, *Further Mapping in the *WtmsDW* Region and Relationships to Other Fertility Loci*, Paragraph two, has been removed:

“The DH line WW28450 carried a spontaneous deletion on chromosome 2B from 104.24 Mb upwards (**Supplementary Figure 1**), essentially covering the whole of the short arm, including the *WtmsDW* locus (**Figure 3**). This line was phenotypically intolerant to heat stress but fully fertile under control conditions (**Supplementary Figure 1**).”

The following text located in **Discussion**, **WtmsDW* Significance and Potential Applications*, paragraph five, has been removed:

“The DH line WW28450 carried a deletion of the whole of the short arm of chromosome 2B and was heat intolerant. This suggested that tolerance from 2BS derives from positive gene function(s) (as opposed to absence/reduction of a tolerance suppressor), which is missing/reduced in the intolerance allele. However, 2BS carries additional male fertility loci, including *Wptms2* that conditions sterility under high temperatures and/or

long days (**Figure 3**; Guo et al., 2006a), so the implications for *WtmsDW* are not entirely clear.”

The following text, located in **Data Sheet 1, Supplementary Figure 1**, *Drysdale × Waagan DH mapping line information* has also been removed: “Line WW28450 (column CK) was inferred to be a deletion mutant from 104.24 Mb upwards based on 9K SNP marker calls”.

The original version of the article has been updated.

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