

Supplementary Materials for

Development and Molecular Cytogenetic identification

of Two Wheat-*Aegilops geniculata* Roth 7M^s

Chromosome Substitution Lines with Resistance to

Fusarium Head Blight, Powdery Mildew, and Stripe

Rust

Xiaoying Yang¹, Maoru Xu¹, Yongfu Wang¹, Xiaofang Cheng¹, Chenxi Huang¹,

Hong Zhang^{1,2,3}, Chunhuan Chen^{1,2,3}, Yajuan Wang^{1,2,3,*}, Wanquan Ji^{1,2,3,*}

Correspondence authors: Yajuan Wang, E-mail address: wangyj7604@163.com;

Wanquan Ji, E-mail address: jiwanquan2008@126.com

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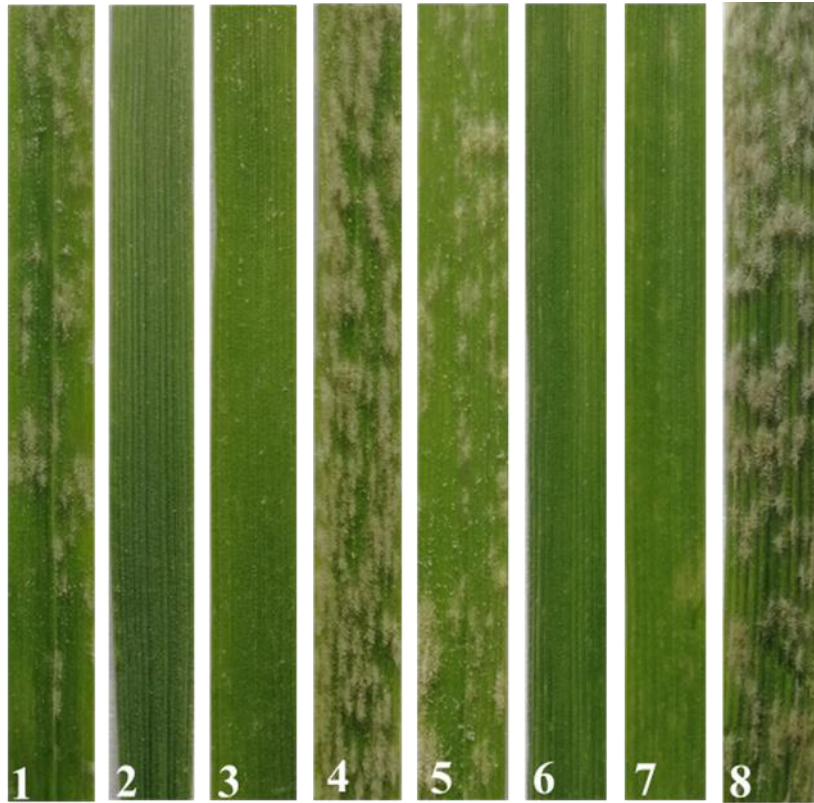


Figure S1. Leaves infected with *Blumeria graminis* at the seeding stage. 1. *Triticum aestivum* cv. Chinese Spring; 2. *Ae. geniculata*; 3. wheat- *Ae. geniculata* 7M^s addition line W166; 4. Abbondanza deletion line 7A; 5. Abbondanza deletion line 7B; 6. W623; 7. W637; 8. Shaanyou 225.

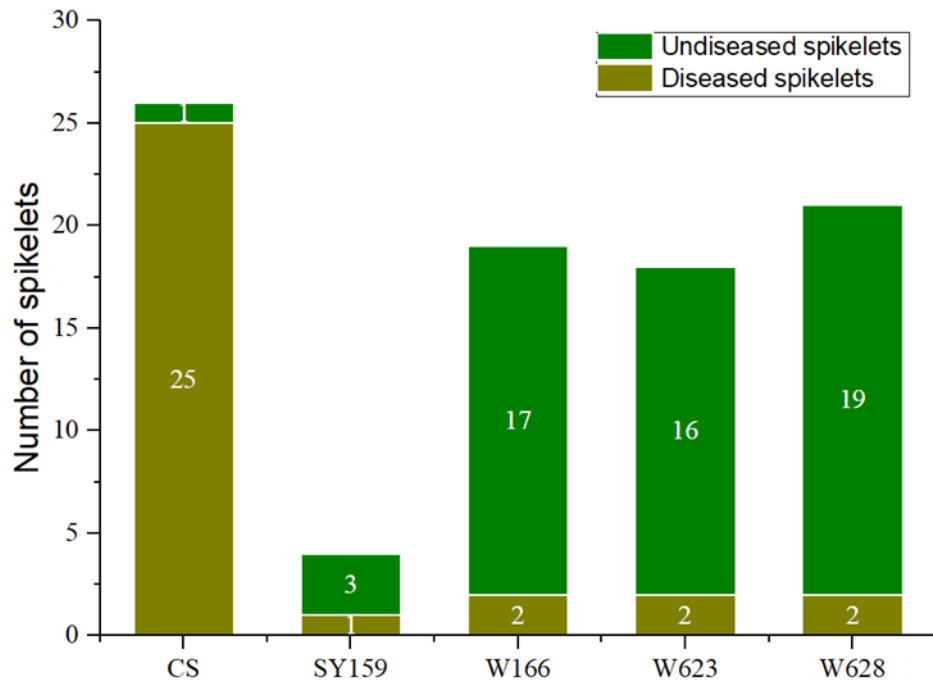


Figure S2. Number of diseased spikelets 21 days after single floret inoculation.

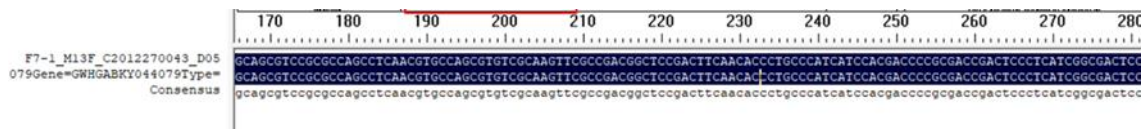


Figure S3. Sequence alignment of *GST* for development of *Fhb7* for development of the *F7-1* marker. The above sequence was obtained by sequencing the specific fragment amplified in *Th. Elongatum*, and the following sequence is the *GST* gene sequence.