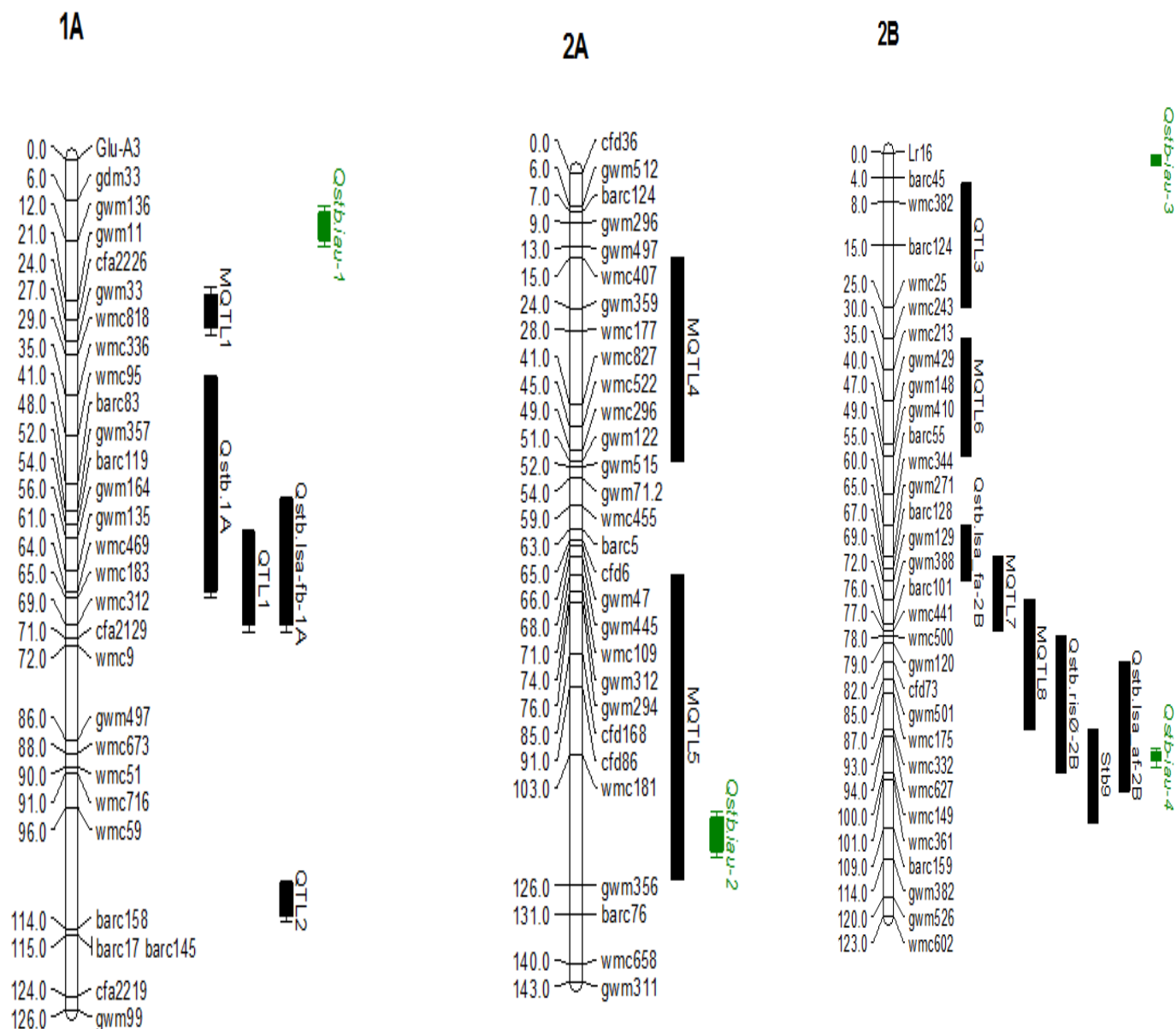
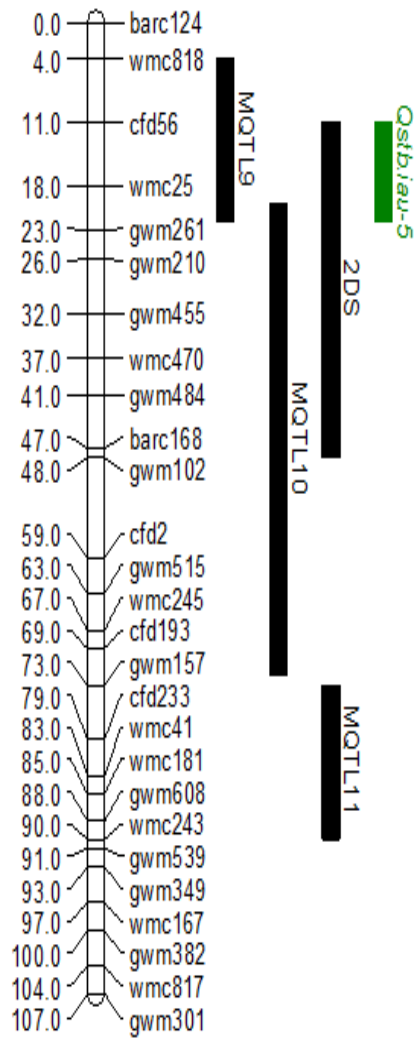


**Supplementary Figure S2.** Genomic regions of septoria tritici blotch resistance QTLs identified in 185 wheat genotypes projected on the common integrated map developed by Somer et al. (2004) and Macafferri et al. (2015). Location of known STB genes, previously QTLs and Meta-QTLs retrieved from Brown et al. (2015), Goudemand et al. (2013), Mirdada et al. (2015), Vagndorf1 et al. (2016), Gerard et al. (2017), Arraiano and Brown (2017), Yates et al. (2019), and Muqaddasi et al. (2019).

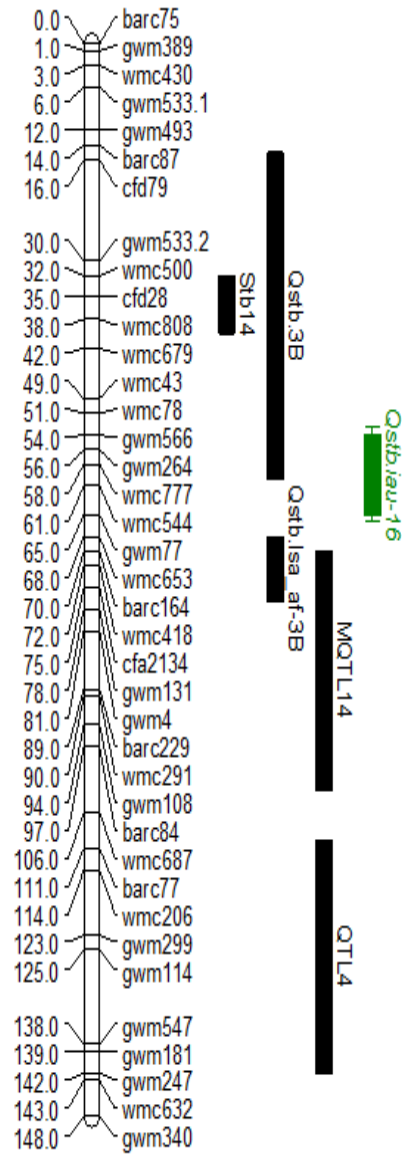
Identified QTLs in this study presented in green color.



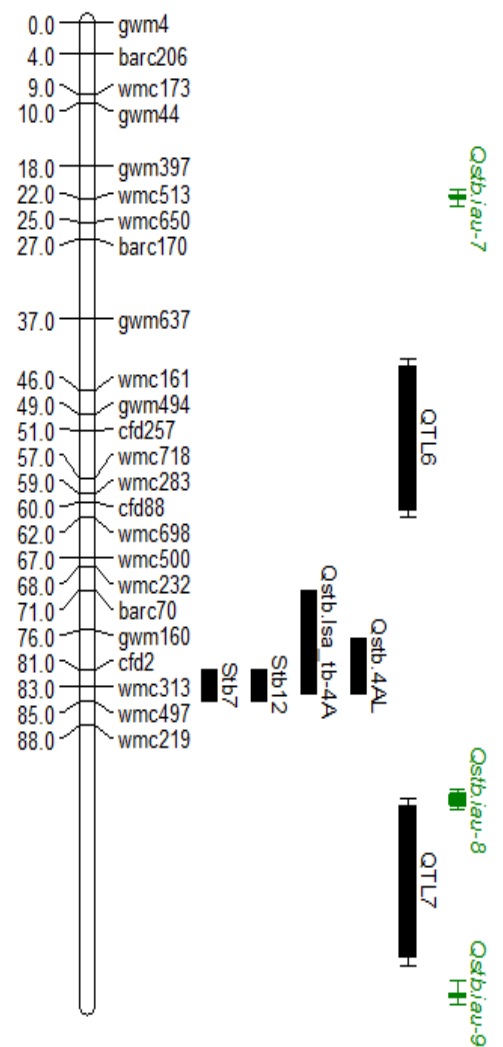
2D



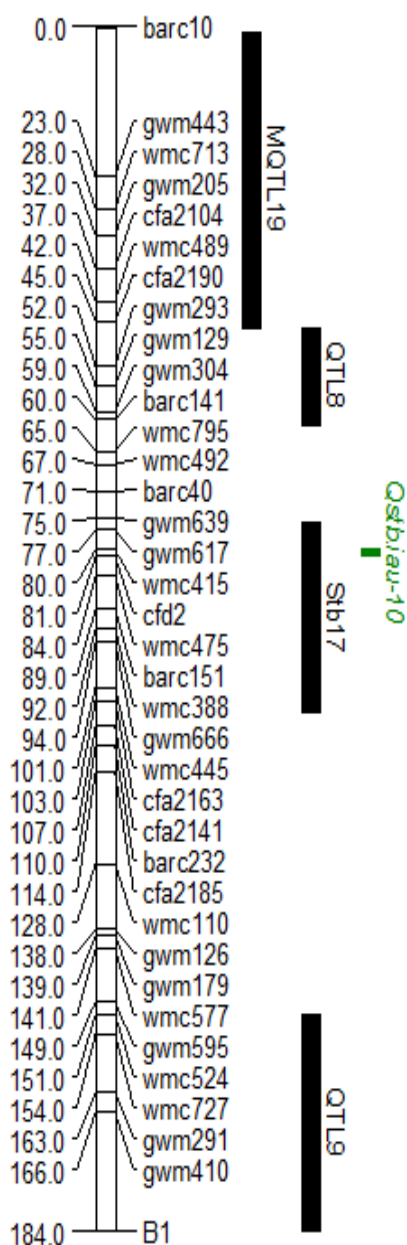
3B



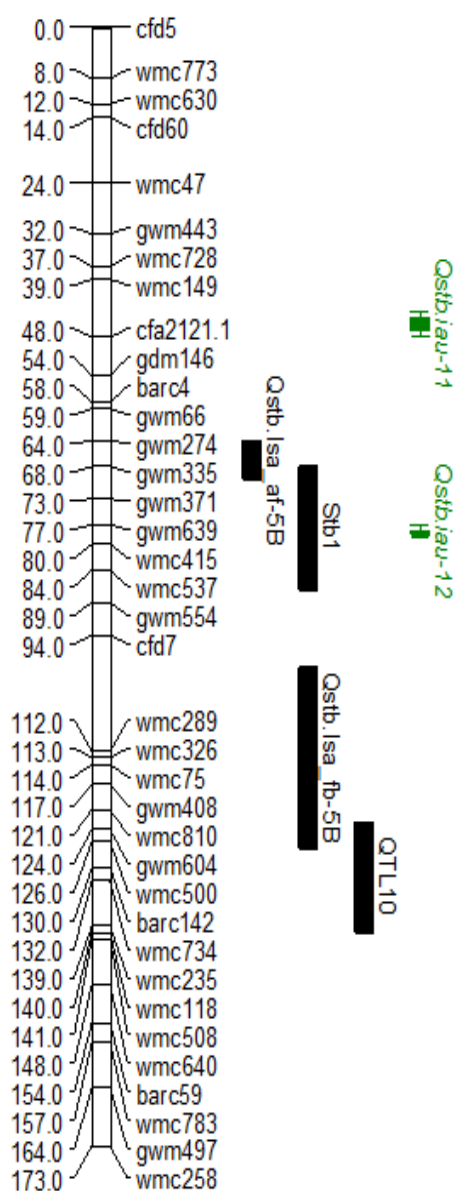
4A



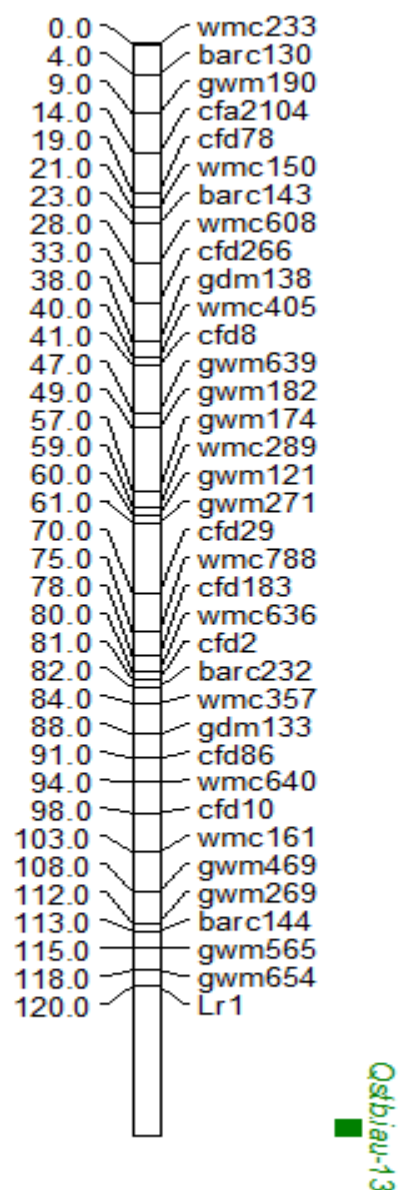
## 5A



**5B**



## 5D



0.0 gwm459  
2.0 gwm334  
13.0 barc206  
23.0 barc23  
29.0 wmc182  
35.0 barc37  
37.0 barc48 cfd80  
38.0 wmc672  
39.0 wmc145  
40.0 wmc748  
41.0 wmc807  
44.0 barc3  
46.0 wmc684  
48.0 gwm132  
51.0 gwm570  
52.0 wmc553  
54.0 wmc179  
83.0 gwm169  
86.0 wmc417  
91.0 wmc580  
93.0 gwm427  
95.0 gwm617  
96.0 wmc642  
115.0 wmc621  
148.0 wmc254  
156.0 wmc59

MottL20  
Sib15

0.0 gwm613  
2.0 wmc419  
3.0 wmc486  
5.0 barc76  
9.0 wmc487  
14.0 gwm705  
16.0 cfd1  
17.0 cfd13  
27.0 gdm113  
29.0 wmc597  
32.0 gwm508  
34.0 gwm191  
35.0 wmc737  
36.0 wmc398  
37.0 gwm133  
38.0 gwm361  
39.0 gwm644  
40.0 wmc397  
41.0 gwm88  
42.0 wmc473  
43.0 barc146  
44.0 wmc182  
45.0 wmc726  
46.0 wmc748  
47.0 barc127  
48.0 gwm626  
49.0 wmc152  
52.0 gwm107  
55.0 barc24  
59.0 gwm219  
60.0 barc178  
64.0 wmc417  
82.0 barc134

Qstb.jpk-6B  
MOT121  
Qstb.risQ-6B.1  
Qstb.jau-15  
Qstb.risQ-6B.2  
Qstb.psr-6B.1  
Qstb-6B

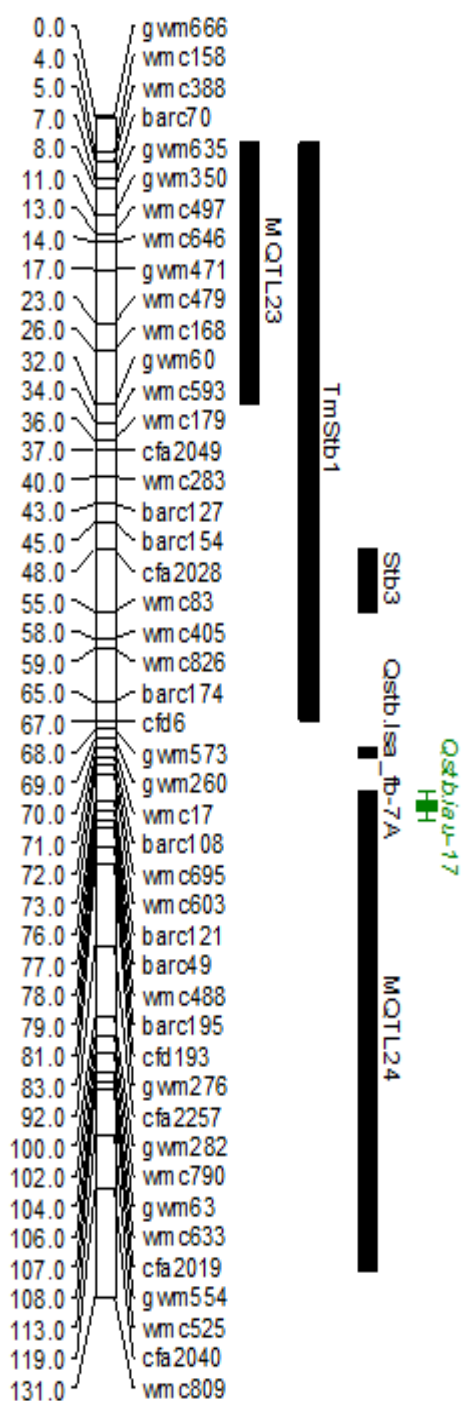
Genetic map of chromosome 12L2 showing marker positions (cM) and gene locations. The map is oriented vertically with cM values ranging from 0.0 to 110.0. Markers are indicated by horizontal lines on the left, and gene locations are indicated by horizontal bars on the right.

| Marker Name | Position (cM) |
|-------------|---------------|
| cfb49       | 0.0           |
| barc183     | 3.0           |
| cfb135      | 5.0           |
| barc173     | 16.0          |
| cfb75       | 19.0          |
| gdm132      | 20.0          |
| cfb13       | 21.0          |
| cfb1        | 23.0          |
| cfb42       | 24.0          |
| gwm469      | 25.0          |
| wmc749      | 27.0          |
| cfb132      | 35.0          |
| barc54      | 47.0          |
| cfb19       | 50.0          |
| barc196     | 51.0          |
| cfb287      | 52.0          |
| gwm325      | 53.0          |
| cfb190      | 55.0          |
| gwm55       | 57.0          |
| gwm133      | 58.0          |
| cfb80       | 60.0          |
| wmc753      | 61.0          |
| wmc786      | 69.0          |
| wmc748      | 70.0          |
| barc204     | 73.0          |
| barc175     | 79.0          |
| barc96      | 92.0          |
| wmc773      | 110.0         |

Gene locations (indicated by bars on the right):

- Qstb1sa fb-6D* (black bar, ~23.0 cM)
- Stb18* (black bar, ~24.0 cM)
- MOTL22* (black bar, ~35.0 cM)
- Qstb1sa af-6D* (black bar, ~52.0 cM)
- Qstb1au-16* (green bar, ~70.0 cM)

7A



7D

