

**Article title:** QTL mapping and successful introgression of the spring wheat derived QTL *Fhb1* for Fusarium head blight resistance in three European triticale populations

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**ESM\_6 :** Box plot distributions of  $F_4$  according to their alleles at *Fhb1* and *Qfhs.ifa-5A* loci for the three tested populations based on BLUEs of FHB severity in field (AUDPC). BLUEs were calculated across all experiments. Medians are indicated by solid lines, points represent outliers. For each subgroup, the number of lines, mean values and standard deviations FHB severity in field (AUDPC) are indicated. Values followed by different letters are significantly different ( $p < 0.05$ ) based on Tukey test performed on each population independently.

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Page 2/2

