

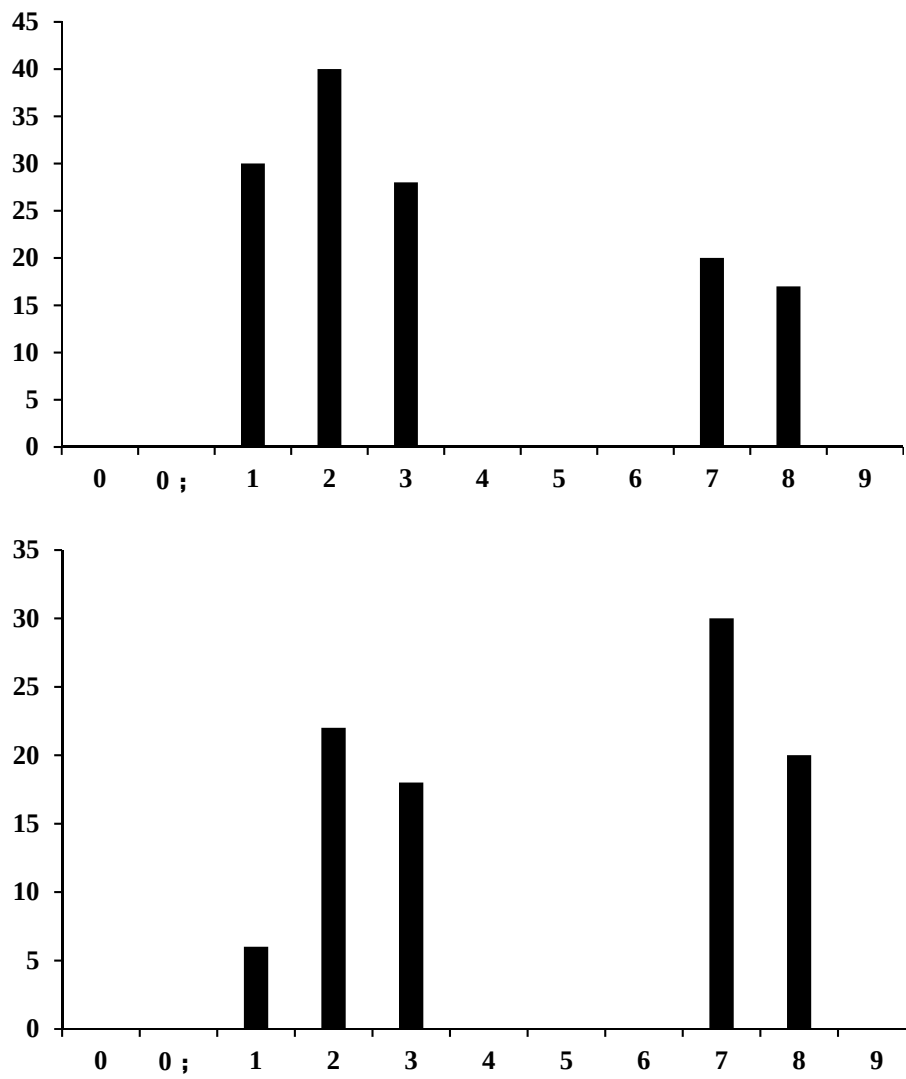


Fig. S1 Distribution of infection types in the BC₂F₂ (upper) and BC₃F₁ (lower) populations from NMZ119/HHM.

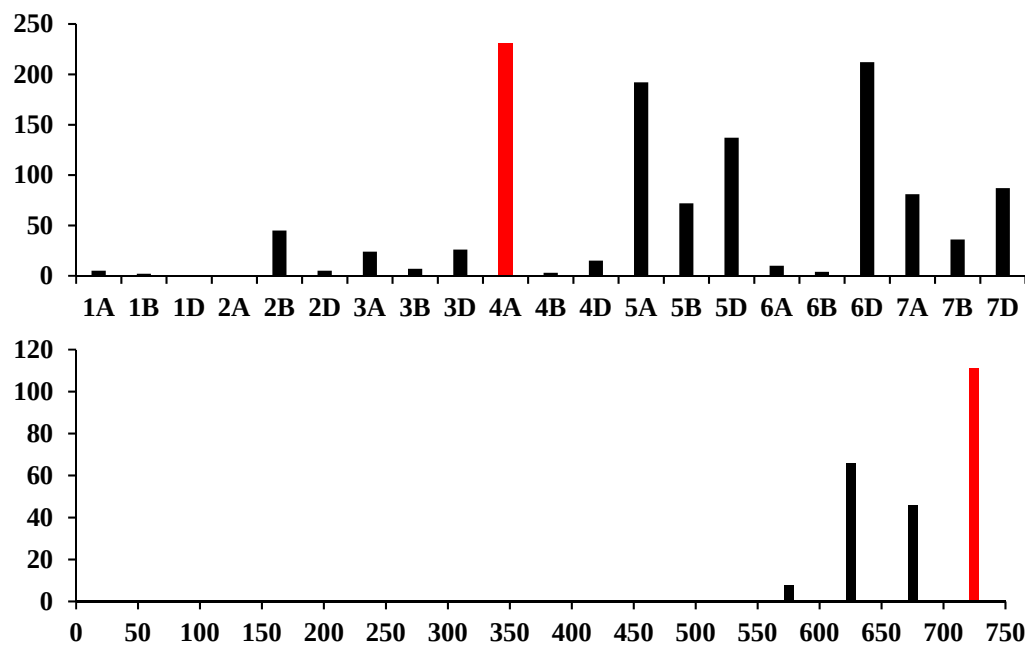


Fig. S2 Distribution of SNPs between the parents and between resistant and susceptible DNA bulks, respectively, across all 21 wheat chromosomes (upper), and within chromosome 4A (lower).

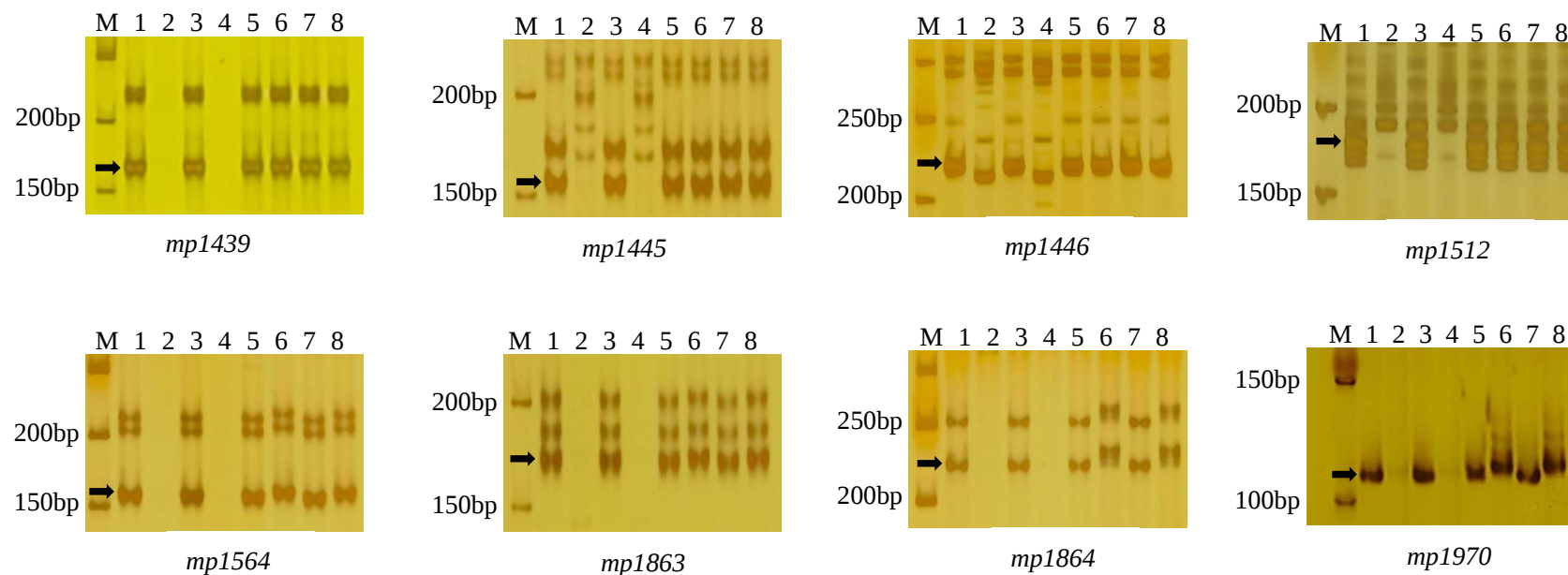


Fig. S3 PCR amplification of DNA from parents and bulks using eight marker primers on samples obtained. M: molecular weight standard; : 1, HHM; 2, NMZ119; 3, resistant pool; 4, susceptible pool; 5, HHM; 6, CS; 7, resistant pool; 8, susceptible pool.