

Molecular Breeding

Mapping of a soybean rust resistance allele in PI 594756 in the *Rpp1* locus

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Online Resource 5 Frequency distribution of the F₂ individuals from the crossing PI 594756 X PI 594891 for each quantitative character in response to CMES 1951 isolate. The dark gray bars are resistant plants (R); light gray are heterozygous plants (H); black bars are susceptible plants (S). Dark gray and black arrows indicate the phenotypes of PI 594756 and PI 594891, respectively. “d/a” is the degree of dominance, where “1” means complete dominance for resistance, “0” means lack of dominance and “-1” means complete dominance for susceptibility (See Online Resource 8). A: Sporulation Level (SL); B: Number of Uredinia per lesion (NoU); C: Percentage of Open Uredinia (%OU); D: Lesion Color (LC); E: Percentage of Lesions with Uredinia (%LU)

