

S3 Fig. Effect of LG 10 qM-*Pe*10.1 marker allele genotypes on the least square mean (LSmean) of blue mold lesion diameter 7 dpi.

A: The LSmean lesion diameter of PI613981 *GDsnp00307HRM* (red tones) and ‘Royal Gala’ *S10_29121625* (blue tones) allele genotypes indicated that the *ll* allele of *S10_29121625* was the primary contributor of resistance to qM-*Pe*10.1.

B: The allelic combinations of these markers suggests that the alleles of both parents are acting additively on resistance since the combined positive resistance alleles (*np,ll*), combined negative alleles (*nn,lm*) and combinations of positive and negative alleles (*nn,ll* and *np,lm*) had the lowest, highest, and intermediate LSmean lesion diameters, respectively. Bars represent the standard error of the LSmean. The arrows indicate source of alleles.

