

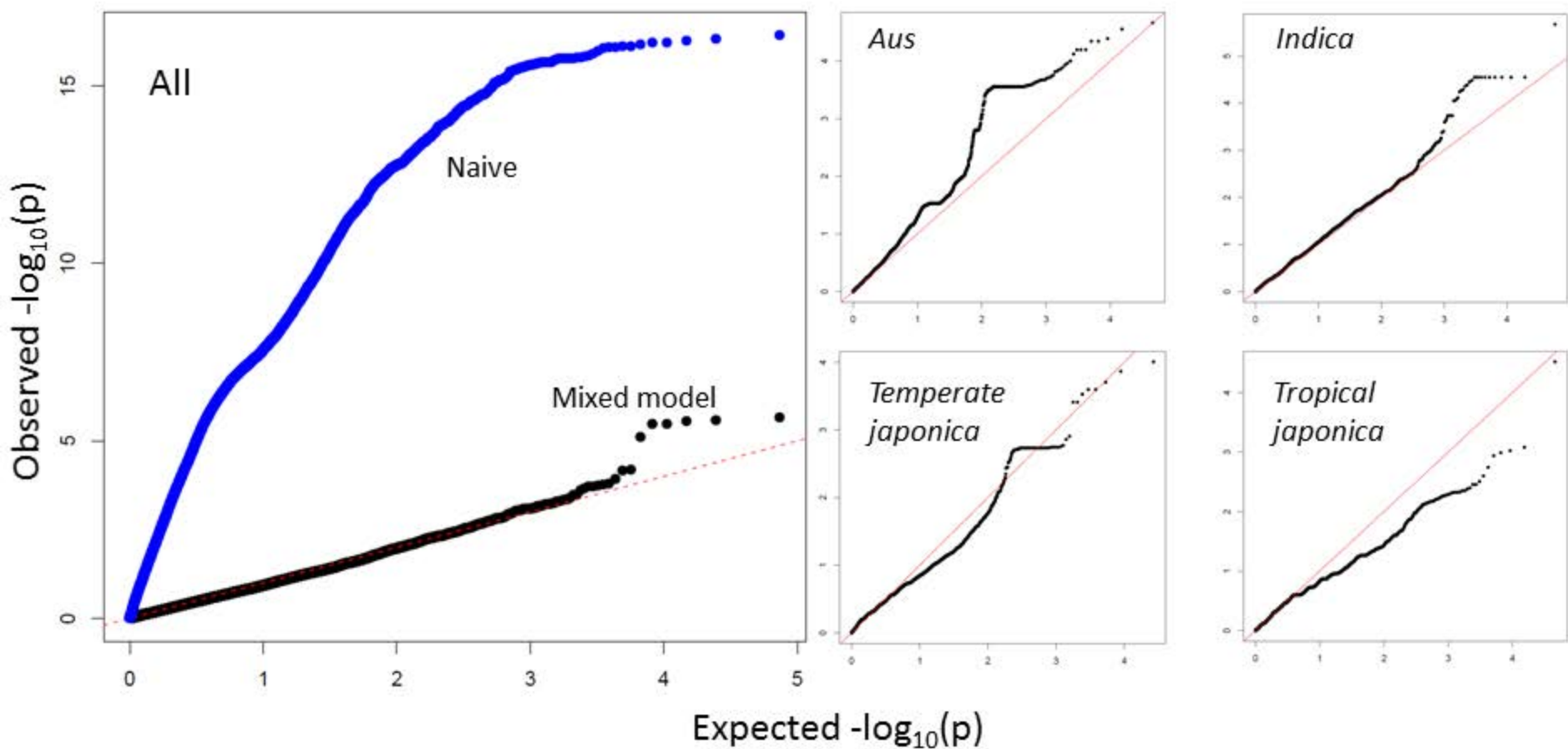
A genome-wide association study of a global rice panel reveals resistance in *Oryza sativa* to root-knot nematodes

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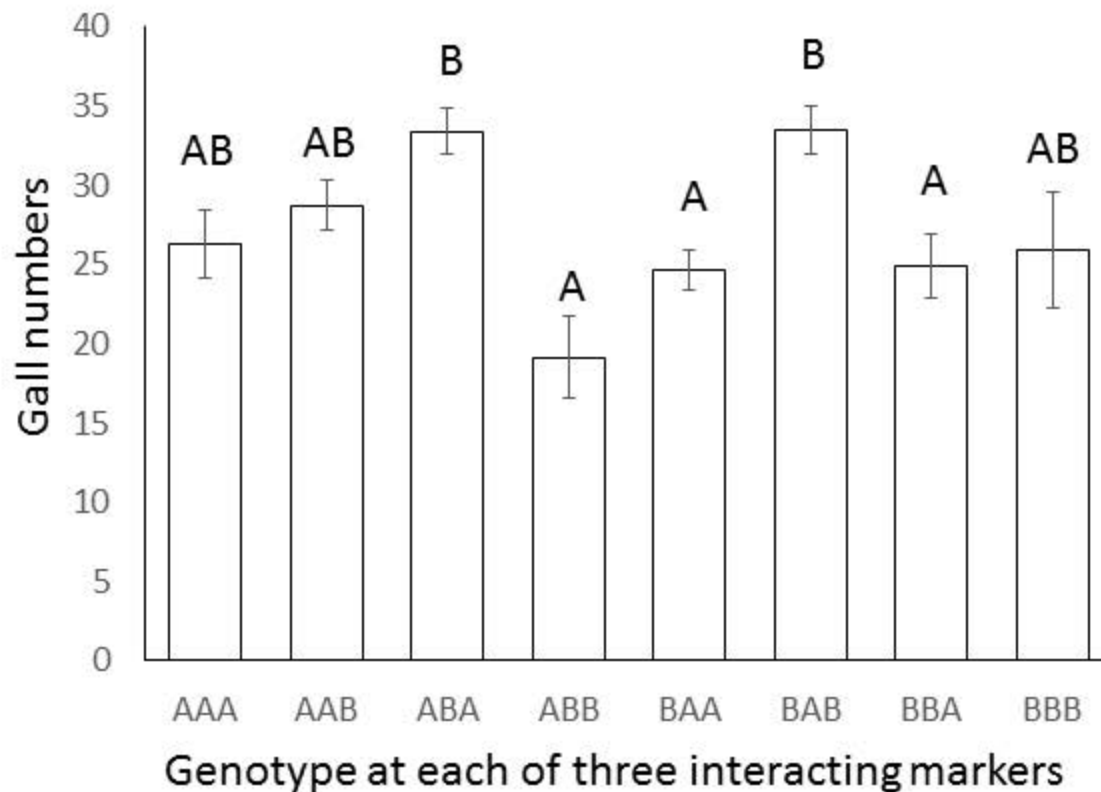
Supplemental File

Supplementary Figure 1 qq plots for all data with naïve and mixed model results, plus naïve for each of the four subpopulations. Dotted red line is the one to one line.

Supplementary Figure 2 Epistatic interaction for gall number in the Bala x Azucena mapping population. The mean number of galls four weeks after inoculation with *M. graminicola* for all six combinations of allelic combinations of markers in order of RG409 (chromosome 3), RG650 (chromosome 7) and a1245y (chromosome 11) where A is Azucena and B is Bala. Bar is standard error. Bars that do not share the same letter above are different by Tukey's test at $P < 0.05$. Note this a further analysis of data first reported in Shrestha et al., (2007). A three way ANOVA with these markers as factors explains 30% of the variation for gall numbers, and significant interactions are detected between RG409 and a1245y ($P = 0.001$) and between RG650 and a1245y ($P < 0.001$).



Supplementary Figure 1 qq plots for all data with naïve and mixed model results, plus naïve for each of the four subpopulations. Dotted red line is the one to one line.



Supplementary figure 2: Epistatic interaction for gall number in the Bala x Azucena mapping population. The mean number of galls four weeks after inoculation with *M. graminicola* for all six combinations of allelic combinations of markers in order of RG409 (chromosome 3), RG650 (chromosome 7) and a1245y (chromosome 11) where A is Azucena and B is Bala. Bar is standard error. Bars that do not share the same letter above are different by Tukey's test at $P < 0.05$. Note this a further analysis of data first reported in Shrestha et al., (2007). A three way ANOVA with these markers as factors explains 30% of the variation for gall numbers, and significant interactions are detected between RG409 and a1245y ($P = 0.001$) and between RG650 and a1245y ($P < 0.001$).