Supplementary Figure 3. Optimization of GWAS model in PNW winter wheat. On the top graph (a) shows the number of kinship clusters for grain yield. The colors represent different model selection criteria: Akaike's Information Criterion (AIC); AICC (AIC corrected for small sample size) and Bayesian Information Criterion. The best models are those with the smallest AIC, AICC and BIC values, in this case, 192 clusters. The bottom graph (b) is the Q-Q plot
distribution of p-values for simulated GWAS in optimized model. The simulated data was
generated in a way marker IWA3360 is detected as true MTA (heritability = 1). All markers
designated in asterisks are mapped within 15 cM distance and were identified as MTAs along
with marker IWA3360 in the simulation.