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Genome-wide Association Study for Warner-Bratzler Shear Force and Sensory Traits in Hanwoo (Korean Cattle)

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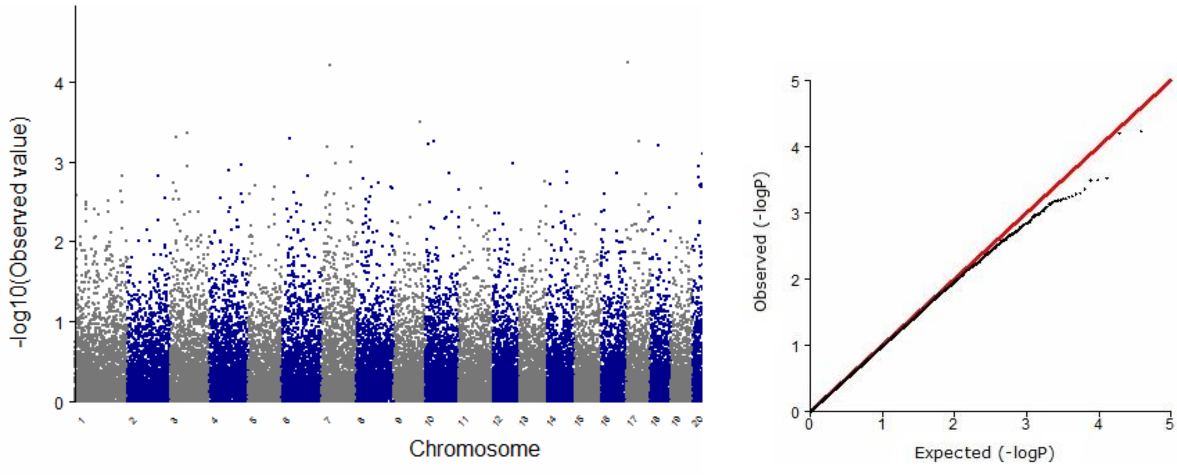
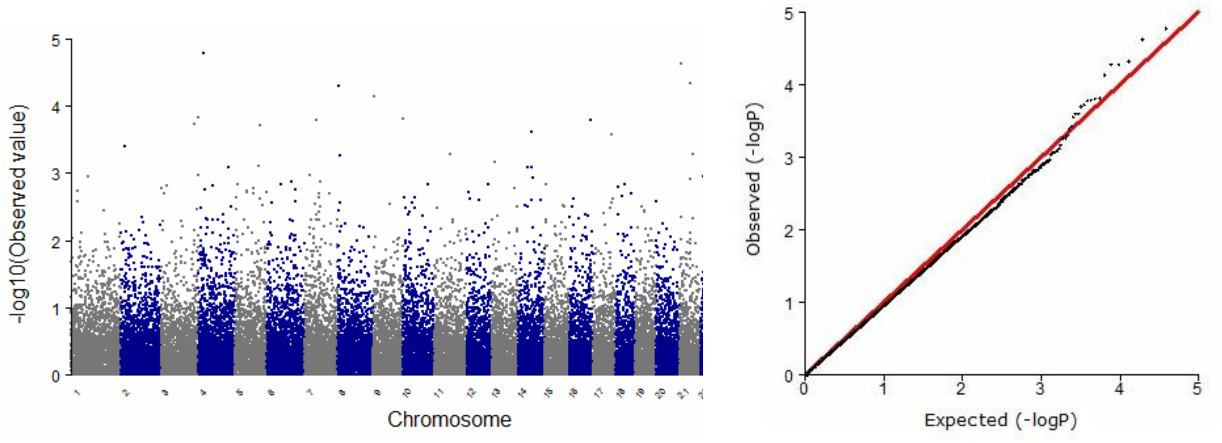
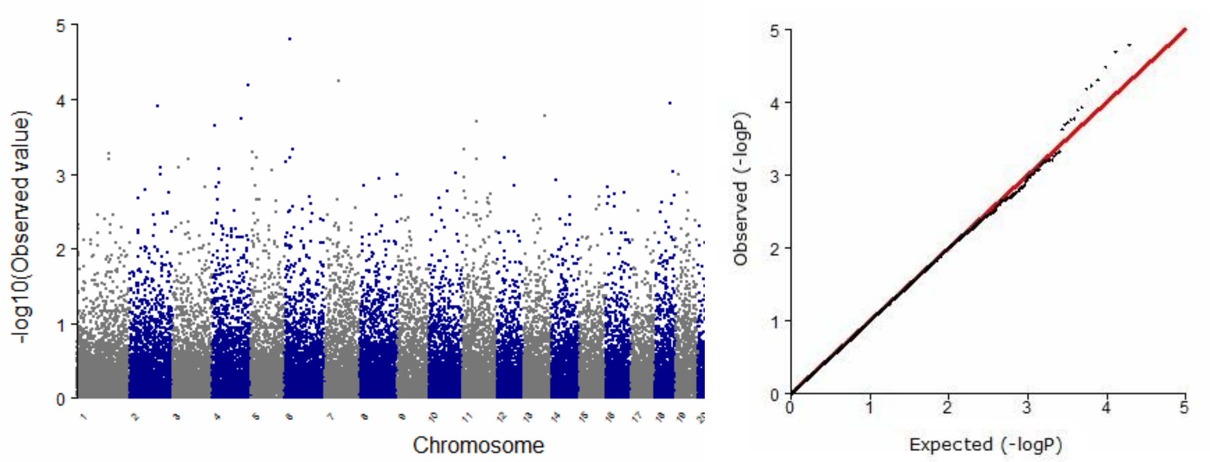
- Supplementary Data –



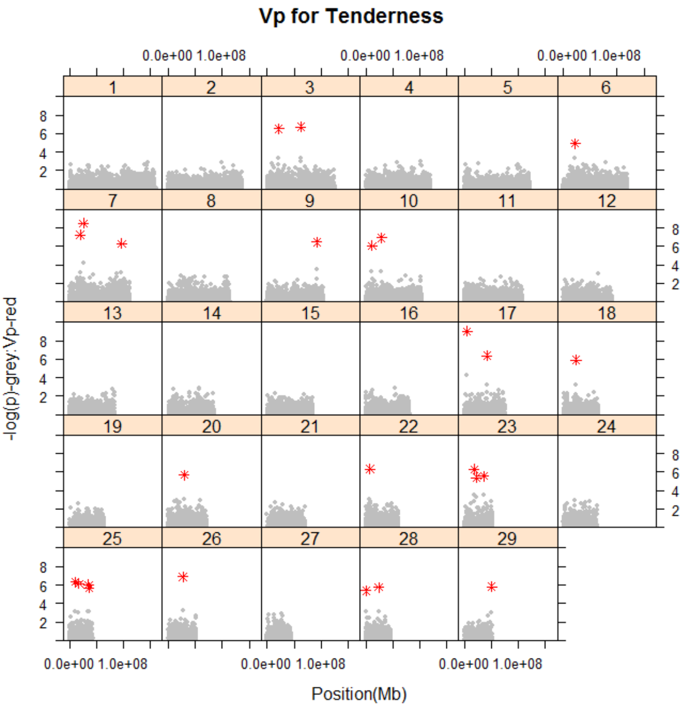
Supplementary Figure 1. Association of 38,291 SNPs with tenderness. (A) Manhattan plot. (B) Quantile-quantile plot. The red line represents the 95% concentration band under the null hypothesis of no association. The black dot represents the p values for the entire study. SNP, single nucleotide polymorphism.



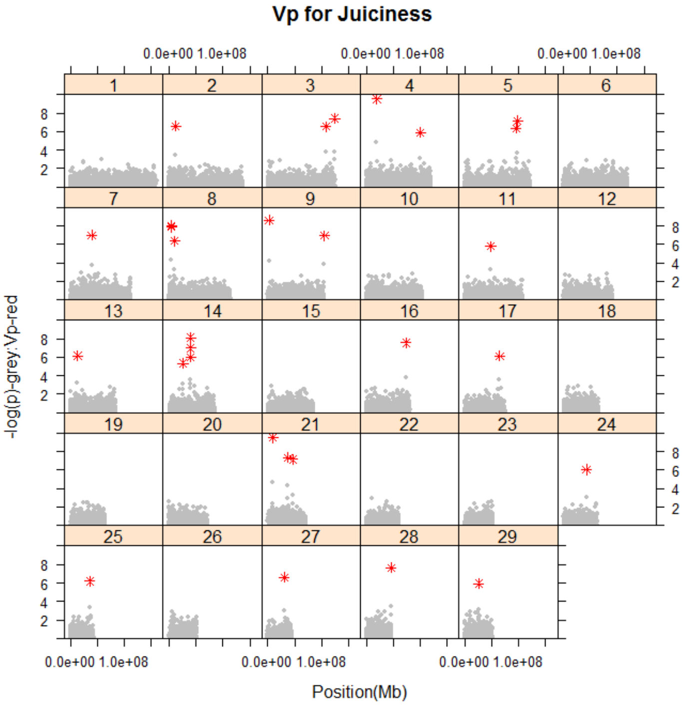
Supplementary Figure 2. Association of 38,291 SNPs with juiciness. (A) Manhattan plot. (B) Quantile-quantile plot. The red line represents the 95% concentration band under the null hypothesis of no association. The black dot represents the p values for the entire study. SNP, single nucleotide polymorphism.



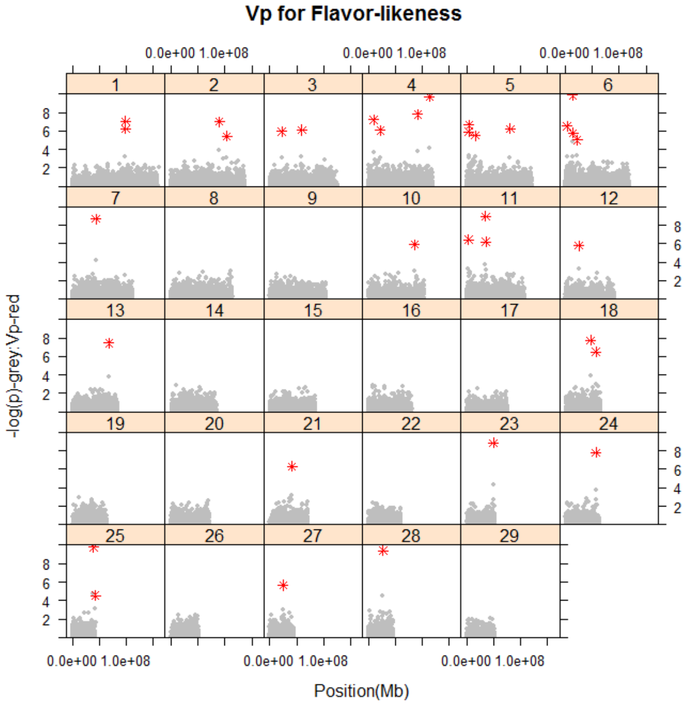
Supplementary Figure 3. Association of 38,291 SNPs with flavor likeness. (A) Manhattan plot. (B) Quantile-quantile plot. The red line represents the 95% concentration band under the null hypothesis of no association. The black dot represents the p values for the entire study. SNP, single nucleotide polymorphism.



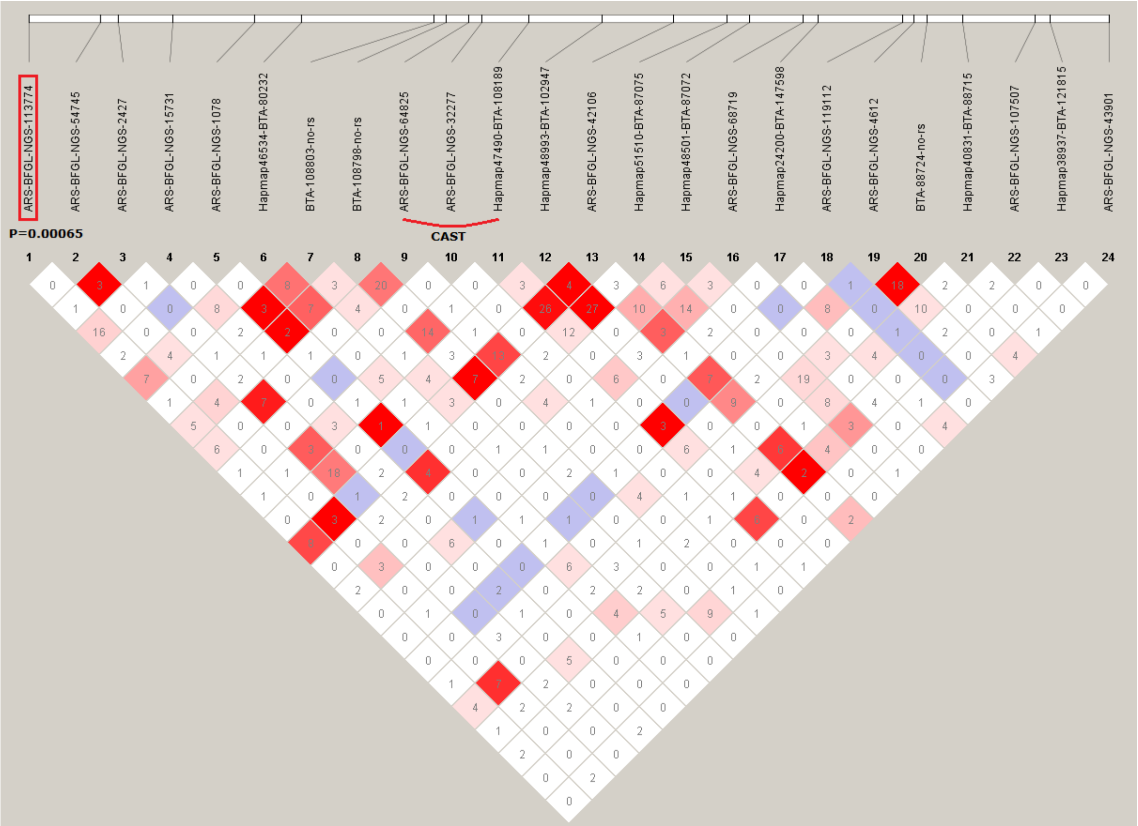
Supplementary Figure 4. The -log p value for the association between SNP and tenderness (grey) and phenotypic variance (red) that significant SNPs ($p<0.001$) account for in the single marker regression analysis. SNP, single nucleotide polymorphism.



Supplementary Figure 5. The -log p value for the association between SNP and juiciness (grey) and phenotypic variance (red) that significant SNPs ($p<0.001$) account for in the single marker regression analysis. SNP, single nucleotide polymorphism.



Supplementary Figure 6. The -log p value for the association between SNP and flavor likeness (grey) and phenotypic variance (red) that significant SNPs (p<0.001) account for in the single marker regression analysis. SNP, single nucleotide polymorphism.



Supplementary Figure 7. Linkage disequilibrium of the 24 SNPs in a 1-Mb region flanking either side of the *CAST* gene. SNP, single nucleotide polymorphism; .