

Supplementary Table S9. Correlations between the genomic estimated breeding values (GEBV) used in the single-step GWAS (ssGWAS) and weighted ssGWAS in the second (WssGWAS_2) and third (WssGWAS_3) iterations with haplotypes and non-clustered SNPs for yearling temperament in American Angus.

Marker Information	LD ¹	WssGWAS 2	WssGWAS 3
Haplotypes	0.15	0.988	0.982
	0.50	0.990	0.984
	0.80	0.987	0.981
NCSNP and Haplotypes	0.15	0.992	0.989
	0.50	0.994	0.991
	0.80	0.989	0.985

¹ Linkage disequilibrium.