



Figure S1. Genome-wide plots of -log10 (P-value) SNP association effects on body confirmation trait of rump angle (RA, A) and final sore (FS, B) obtained by mixed-effect linear regression model (MLM). The scale on the x-axis represents the physical length along each chromosome, wherein chromosome 30 refer to X chromosome, which was considered as an autosome because of overall female cattle in the studied population. The scale on the yaxis is the -log10 (P-value) SNP association effects. The solid line represents 5% of genomewise significance with the corresponding raw P-value being equal to 2.42×10^{-6} .