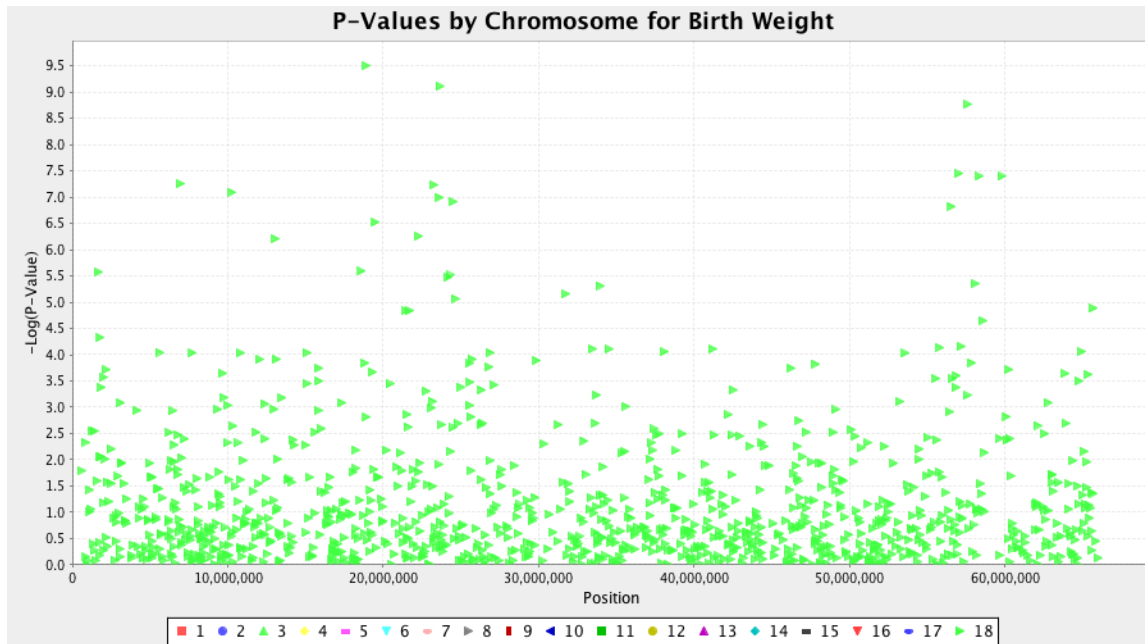**Supplemental Figure S1.** Manhattan plot of nominal significance ($-\log_{10}P$) of SNP effects for

calf birth weight from a generalized linear model.

Supplemental Figure S2. Manhattan plot of nominal significance ($-\log_{10}P$) of SNP effects for

calf birth weight from a mixed linear model.