



Supplemental Figure 1. Description of F2 cross population and test scan for the Mendelian “Blaze” trait. (A) Coat color phenotypes of parent mice, CC001 (black), CC042 (agouti with white head blaze), F₁ (agouti) and F₂ (agouti, black, agouti and head blaze, black and head blaze). (B) genetic map of F₂ population used in QTL studies. Vertical lines show Chromosomes (1-19 autosomes, X = X Chromosome). Horizontal ticks show marker location in cM. (C) Number of male vs. female mice (male=M, female=F). (D) Number of mice with no head blaze vs head blaze in F₂ mice (no head blaze=- ; head blaze=+). (E) Results of genome scan for “Blaze” trait. (F) Bayes interval for the “Blaze” trait on chromosome 10 (shaded) containing *Kitl*, previously shown to be associated with the WSB^{blaze} phenotype (Aylor DL *et al.* 2011. *Genome Research* 21:1213–1222).