



**Figure S1** Genome-wide scan for two coat color traits: albinism (A-C) and “black” (D-F). (A&D) The LOD at each SNP from the eight state linear model. Colored lines show permutation-derived significance thresholds at  $p = 0.05$  (red),  $p = 0.10$  (orange) and  $p = 0.63$  (yellow). (B&E) Effect plots for each phenotype on the chromosome with the maximum QTL. (C&F) Gray bars indicate the 2-LOD support intervals for each QTL.