Supplementary Materials for

Identification and validation of genes affecting aortic lesions in mice

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Supplementary Materials

Supplementary Tables

Supplementary Table 1-10 are supplied as a separate excel workbook.

Supplementary Figure Legends

Supplementary Figure 1. Comparison between the aortic lesion causal genes and plaque progression signatures. The distribution of the plaque progression signature genes (red dots) among the aortic lesion causal genes (black dots) from BxH *Apoe*-/- F2 mice is plotted with the causality strength of each gene (causal trait r^2) on the X-axis and the trait-gene correlation strength (TGC r^2) on the Y-axis.. Upper panel shows the overlap of aortic lesion causal genes from adipose tissue of the F2 cross with plaque progression signature from *Apoe*-/- (left), *Ldlr*-/- hu*CETP* tg (middle), and both (right) mouse models. Lower panel shows the overlap of aortic lesion causal genes from liver tissue of the F2 cross with plaque progression signature from *Apoe*-/- (left), *Ldlr*-/- hu*CETP* tg (middle), and both (right) mouse models.

Supplementary Figures

Supplementary Figure 1. Comparison between the aortic lesion causal genes and plaque progression signatures.