Supplemental Figure S1. Construction of Pon3KO mice. (A) Targeted deletion of Pon3 scheme showing a partial digestion map (Pst I) of the Pon3 wild-type (WT) allele, targeting vector, and mutant allele. Homologous recombination of targeting vector and wild-type allele results in the replacement of exon 4 with the positive selection marker, a neomycin cassette (Neo). Thymidine kinase (TK) is the negative selection marker. External probe reveals a 9.2 kb Pst I fragment for the wild-type allele and a 7.3 kb Pst I fragment for the mutant allele. (B) Southern blot analysis of DNA isolated from targeted ES cells. (C) qPCR analysis of Pon3 mRNA in the livers of WT and Pon3KO mice. (D) Immunoblotting of PON3 using liver lysates of WT and Pon3KO mice. Immunoblotting of b-actin was used as a loading control. (E) Lovastatinase activity was absent in the liver homogenates of Pon3KO mice. (F) Atherosclerotic lesion size at the aortic root region of five-month-old ApoeKO and Pon3KO/ApoeKO mice maintained on a 6% fat chow diet was shown.