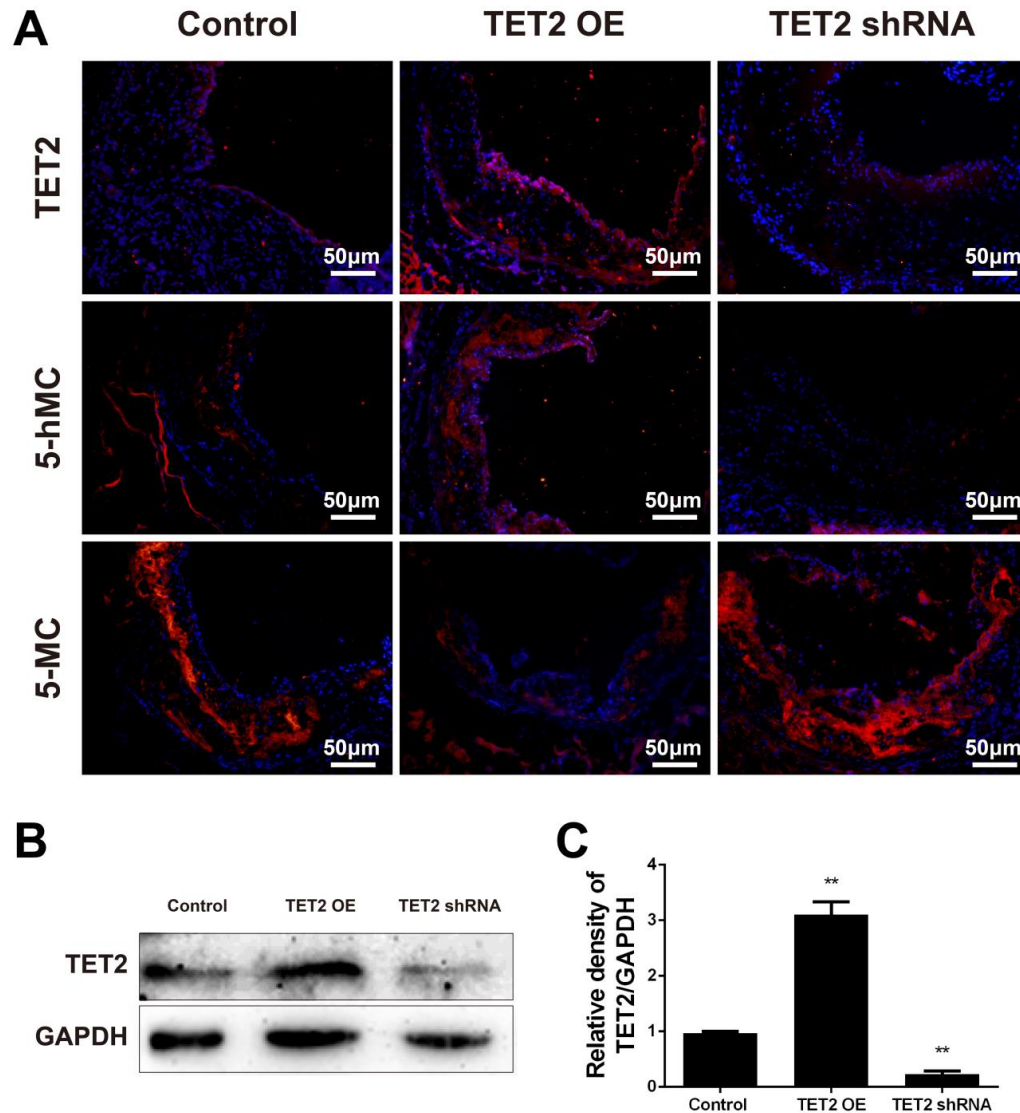
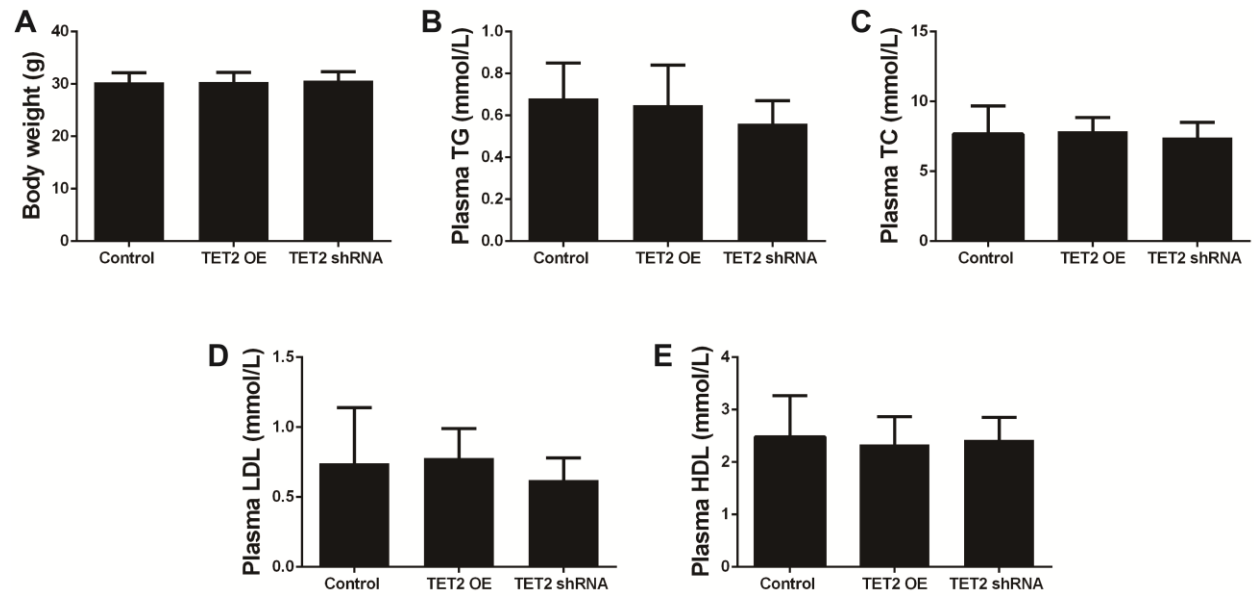


Tet methylcytosine dioxygenase 2 inhibits atherosclerosis *via* upregulation of autophagy in ApoE^{-/-} mice

Supplementary Material



Supplementary Fig. 1. Expression of TET2, 5hmC, and 5mC in the atherosclerotic plaques in the control, TET2 OE, and TET2 shRNA-treated ApoE^{-/-} mice. (A) Representative micrographs of immunofluorescence staining of TET2, 5hmC, and 5mC in atherosclerotic plaques were derived from the control, TET2 OE, and TET2 shRNA ApoE^{-/-} mice fed with high-fat diet for 12 weeks. Scale bar is 50 μ M. (B–C) TET2 levels were determined in aortic arch using Western blot. Values are mean \pm SD. ($n=3$ each). ** $P<0.01$ versus control group. TET2 OE:TET2 overexpression.



Supplementary Fig. 2. TET2 had no effect on body weight and plasma lipid profile in high-fat-fed *ApoE*^{-/-} mice. Body weight and plasma lipid profile in *ApoE*^{-/-} mice on a high-fat diet for 12 weeks. (A) Body weight ; (B) TG; (C) TC; (D) LDL; (E) HDL. Values are mean ± SD. (n=20 each).