Supplementary Material

Serum total cholesterol and triglyceride (TG) levels were determined using an Abbott VP Super System Autoanalyzer (Abbott, Irving, TX, USA) together with a commercial enzymatic kit. Cholesterol and TG serum levels were expressed as mg/dl.

Colonic malondialdehyde (MDA) and reduced glutathione (GSH) levels were determined according to standard method. MDA: frozen samples were homogenized in cold KC1 (1.15%). Then, 3 ml H$_3$PO$_4$ (1%) and 1 ml thiobarbituric acid (TBA; 0.6%) were added to 500 μl of homogenized samples. Solution was heated for 45 min at 40 °C, and then cooled on ice. Next, 4 ml C$_4$H$_9$OH was added to it. After centrifugation (350 g for 5 min at 4 °C), butanol phase was removed. Absorbance was measured at 535 and 520 nm (Spectrophotometer, Beckman Coulter, Inc., USA). Reduced-GSH: 500 μl of homogenized samples were mixed with 1.5 ml Tris buffer (200 mM), 100 μl 5,5′-dithiobis-(2-nitrobenzoic acid) (DNTB; 10 mM), and 7.9 ml CH$_3$OH. After 15 min in the dark, solution was centrifuged at 350 g for 15 min at room temperature. Absorbance was measured at 412 nm. MDA and reduced GSH levels were expressed as nmol/g of tissue. Samples were analyzed in triplicate.