



**S2 Fig. : SOD and COX expression level:** The expression level of MnSOD (A), Cu/ZnSOD (B), COX2 (C) and COX1 (D) was determined using Western-blot analysis in HF (right panel) and NF arteries (left panel). Arteries were isolated from ovariectomized rats treated with resveratrol 5.0 (R5, n=9 rats) or 37.5mg/kg (R37.5, n=9 rats) or with the vehicle (DMSO, n=10 rats). Mean  $\pm$  sem is represented. NS, effect of the treatments (versus DMSO).