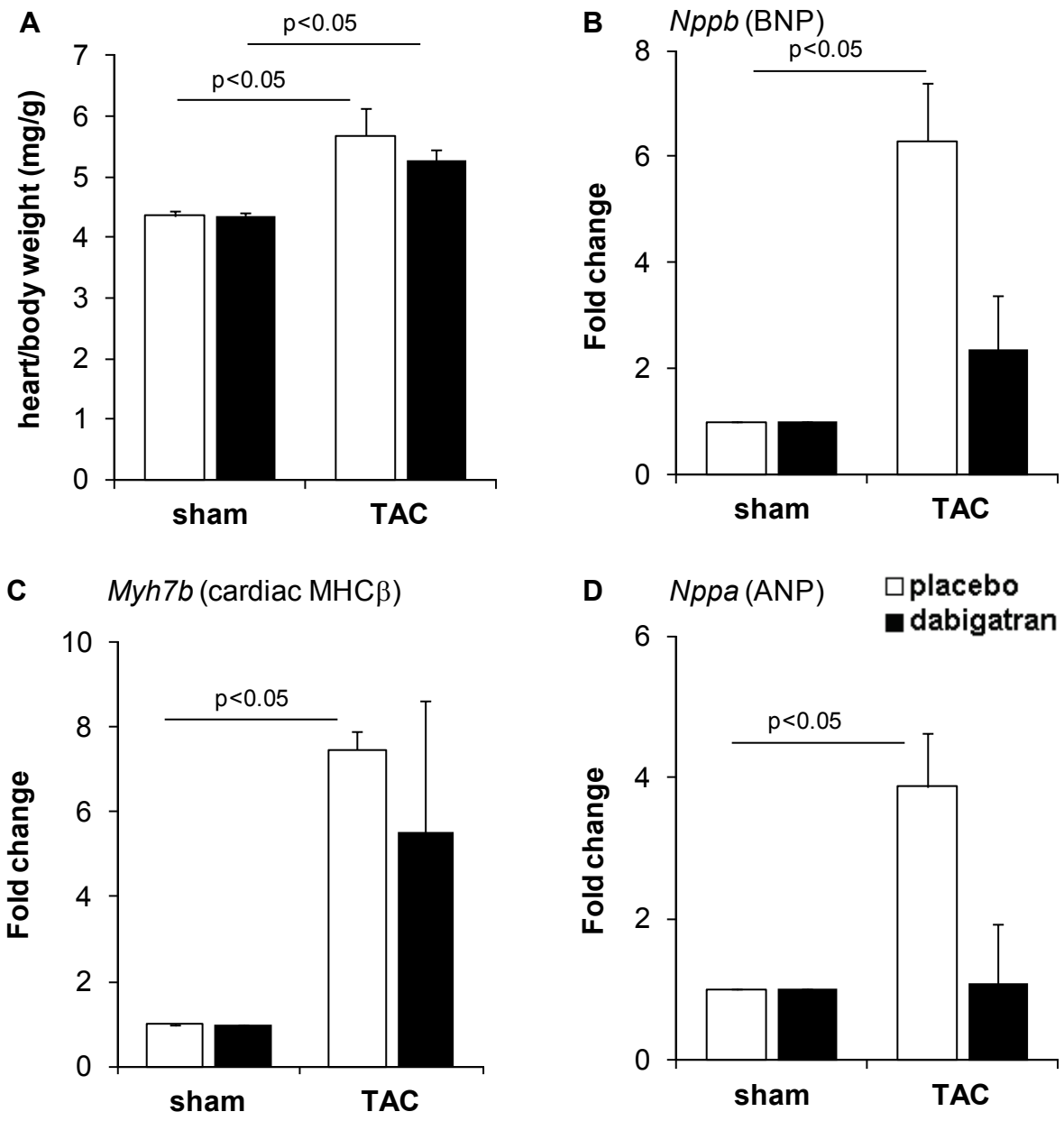
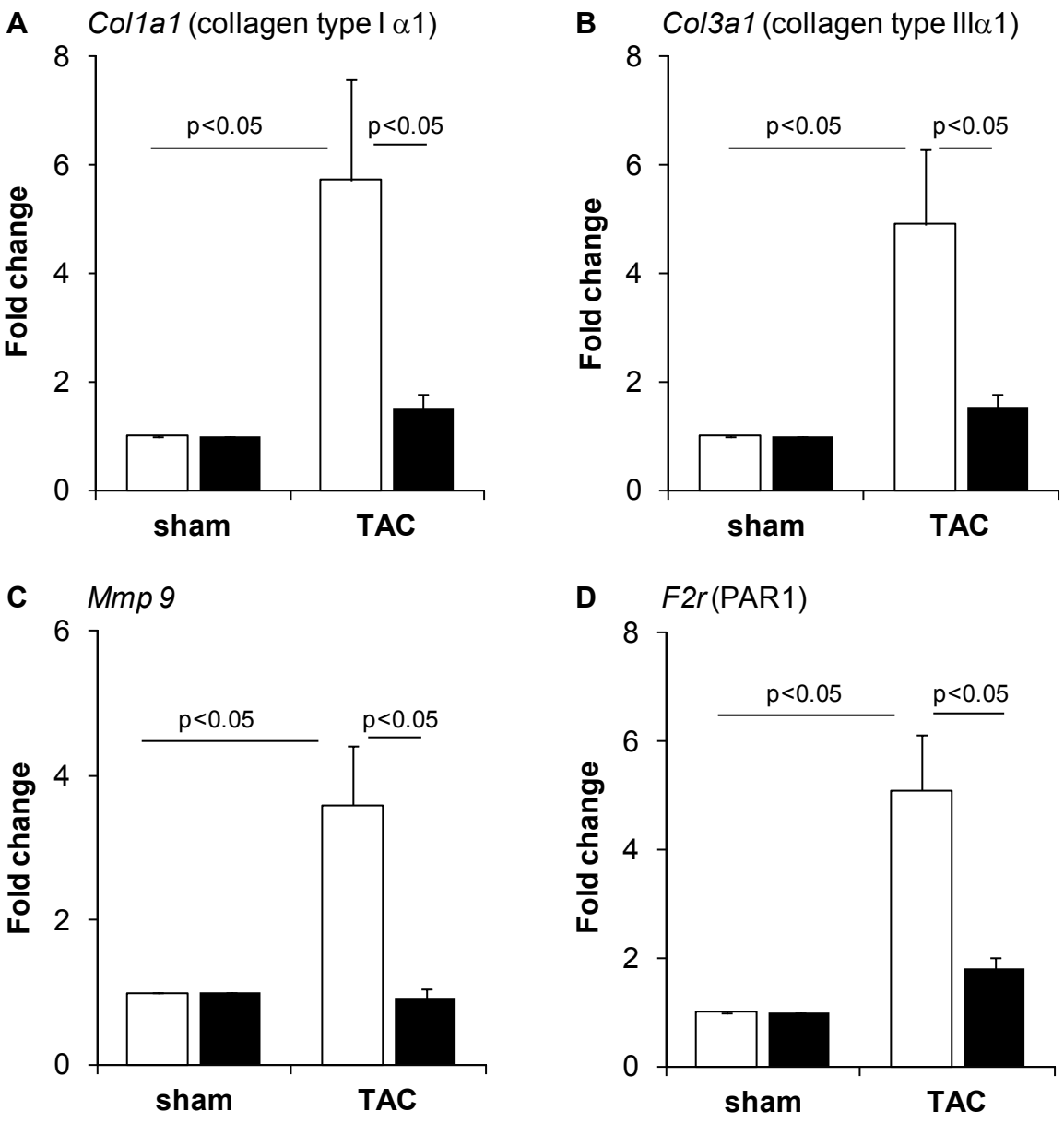
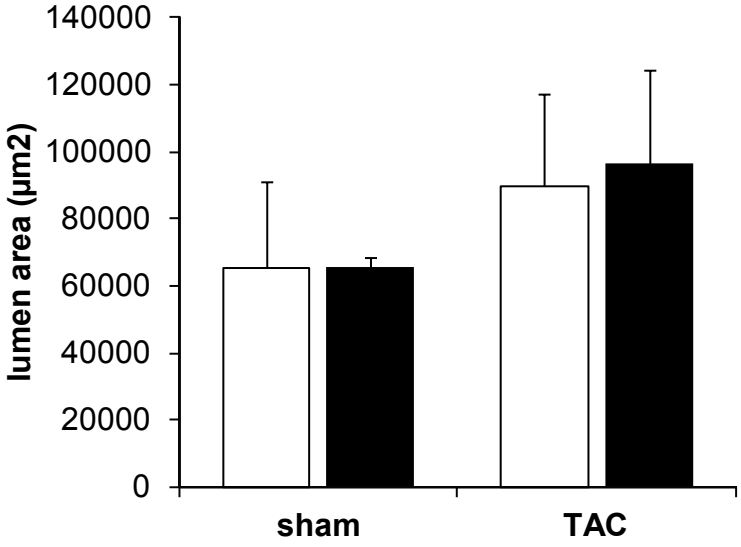


Supplement Figure 1: Dabigatran chow fed immediately after surgery did not alter pressure-induced cardiac hypertrophy.
Mice were randomized to receive dabigatran or placebo chow immediately after sham or TAC surgery. Five weeks after surgery organs were collected for analysis. (A) Heart weight/body weight (HW/BW) ratio; (B-D) Relative gene expression levels (normalized to 18s RNA) of BNP, cardiac MHCβ and ANP mRNA in tissue from LV apex. The fold change is in comparison to values obtained in placebo + sham group, which was set as 1. Data are expressed as mean ± SEM; placebo + sham n= 4; placebo + TAC, n= 5; dabigatran + sham, n=4; dabigatran + TAC, n=6.



Supplemental Figure 2: Dabigatran chow fed immediately after surgery reduces expression of genes related to fibrosis.
Mice were randomized to receive dabigatran or placebo chow immediately after sham or TAC surgery. Five weeks after surgery organs were collected for analysis. Relative expression of collagen I (A), collagen III (B), MMP-9 (C), and PAR-1 (D) mRNA were measured in LV apex at 5 weeks after surgery. Expression level of each gene was normalized to 18s ribosomal RNA levels. The fold change is in comparison to values obtained in placebo + sham group, which was set as 1. Data are expressed as mean ± SEM; placebo + sham n= 4 ; placebo + TAC, n=5 ; dabigatran + sham, n=4 ; dabigatran + TAC, n=6 .



Supplement Figure 3: Area of lumen of left coronary artery. Data are expressed as mean ± SEM from placebo + sham n= 3; placebo + TAC, n= 7; dabigatran + sham, n=6; dabigatran + TAC, n= 7 .