**Transverse Aortic Constriction Induces Gut Barrier Alterations, Microbiota Remodeling and Systemic Inflammation**

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**Supplementary Figure 1 legend**

**HIF1-α levels in colon samples of sham e TAC mice 1w and 4w after procedure**

Representative immunoblot (top) and densitometric (bottom) analysis of HIF1-α protein levels in colon samples. Tubulin was used as protein loading control (∗p < 0.05).

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**Supplementary Figure 2 legend**

**Intestinal barrier integrity and inflammation in pre-surgery and sham (1w and 4w) mice.**

mRNA levels of *Tjp1*, *Ocln* and *Il-10* in colon samples from pre-surgery, sham 1w and sham 4w mice.

**Supplementary information on cropped Hif1- α /Tubulin Figure S1**

