

Supplementary Figures

Absence of desmin results in impaired adaptive response to mechanical overloading of skeletal muscle

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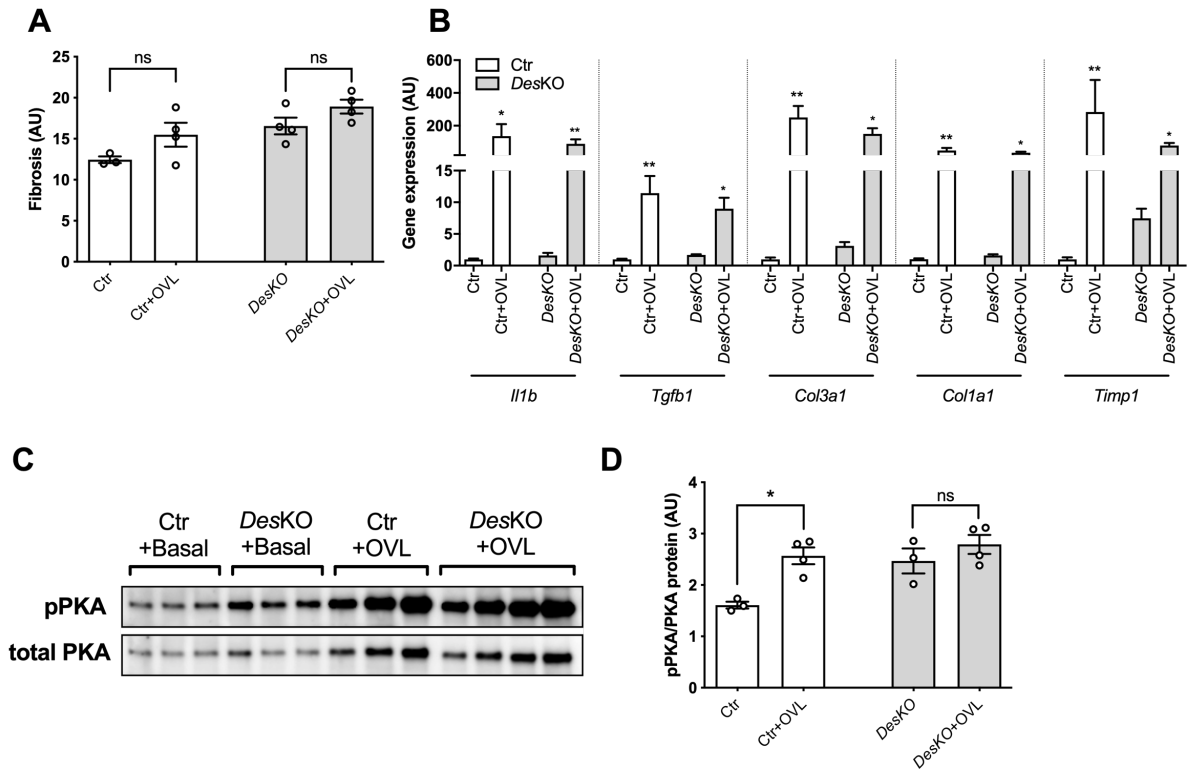
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Supplemental Figure 1. Fibrosis and inflammation are not impaired in DesKO after OVL. Quantification of fibrosis (A) and relative gene expression of inflammation and fibrosis markers (B). Quantification of the phosphorylation of PKA (pPKA, C-D). Parameters were measured in both genotypes (Ctrl and DesKO) in basal condition or after one month of OVL. For gene expression analysis, n=5 for Ctrl groups and n=7 for OVL groups. Data are given as means±SEM. DesKO, Desmin knock-out mice; Ctrl, Control mice; OVL, mechanical overloading. ns: non significant, *: p -value<0.05, **: p -value<0.01.