Supplementary Materials for

**ADAM17 knockdown mitigates while ADAM17 overexpression** **aggravates cardiac fibrosis** **and dysfunction via regulating ACE2 shedding and** **myofibroblast transformation**

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**Supplementary Table 1. Primers used for RT-PCR analysis**.

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| Gene | Sequence 5’-3’ | Primers |
| ADAM17 (Mus) | AGGACGTAATTGAGCGATTTTGG | Forward |
| TGTTATCTGCCAGAAACTTCCC | Reverse |
| ACE2 (Mus) | CAACCCAAAGAACCCACAAG | Forward |
| CTCTTCATACAACGGCCTCAG | Reverse |
| β-actin (Mus) | CACTGTGCCCATCTACGA | Forward |
| GTAGTCTGTCAGGTCCCG | Reverse |

**Supplementary Figure 1. (A)** Blood glucose levels in 5 groups of mice. Data were expressed as the means ± SEM. \*\*\**P* < 0.001. n=6 per group.