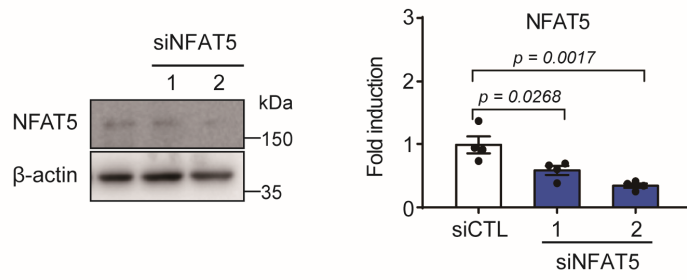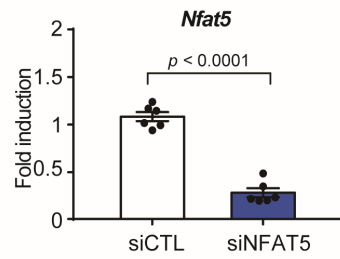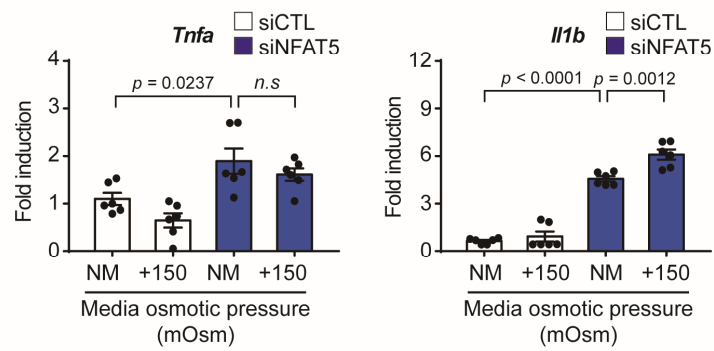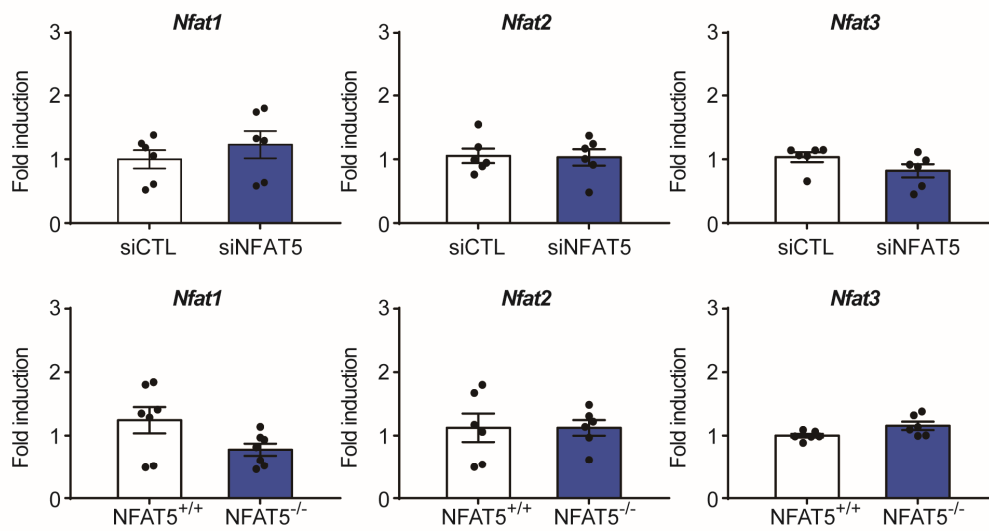**A**

Supplimentary Figure 1

A

B

C

D

Supplimentary Figure 2