

Supplementary data

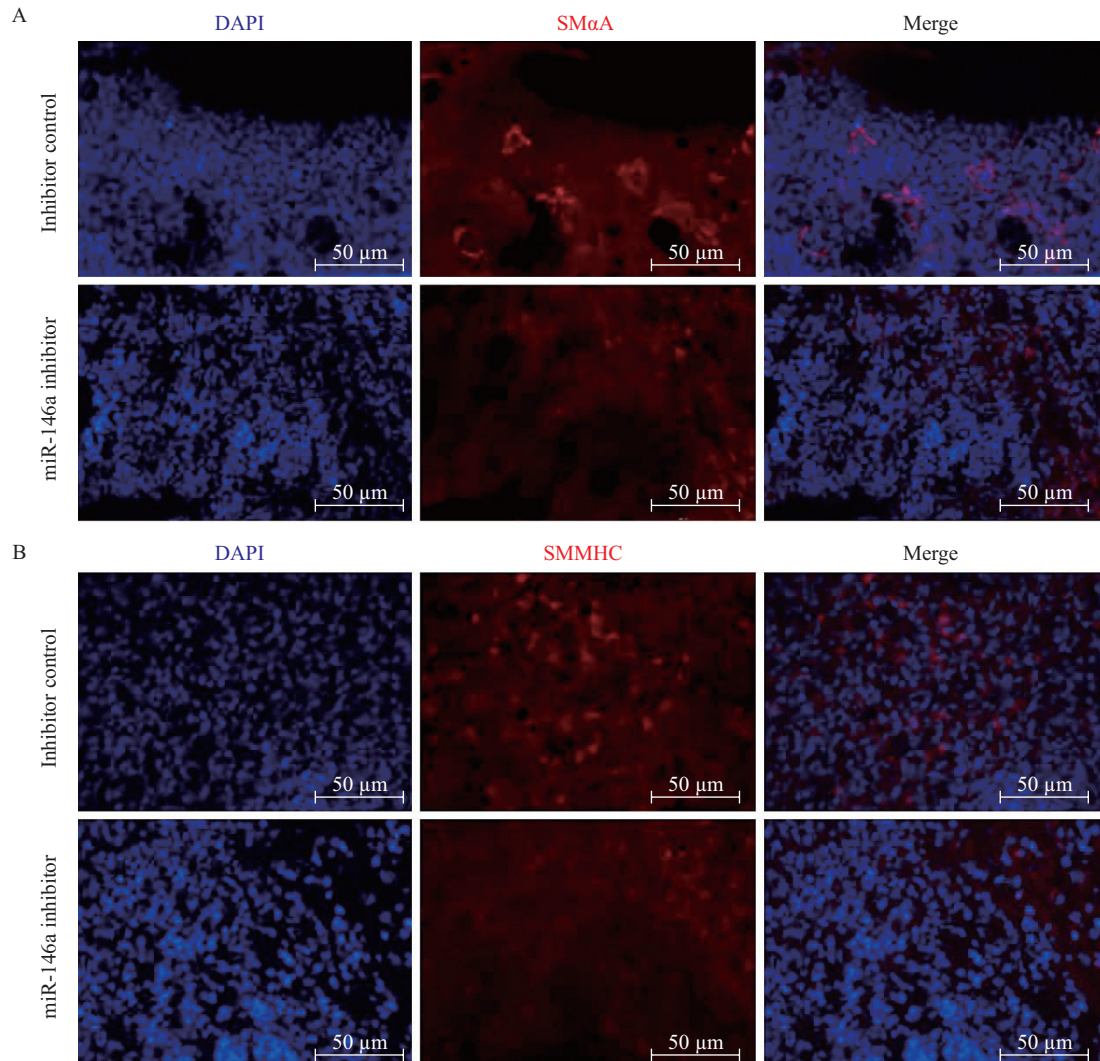


Fig. S1 Downregulation of miR-146a inhibits VSMCs differentiation from ESCs *in vivo*
A and B: Matrigel plugs implanted with ESCs without (inhibitor control) or with (miR-146a inhibitor) miR-146a inhibition were injected subcutaneously into mice. The plugs were harvested at 10th day and were sectioned and subjected to immunofluorescent staining using antibodies against SMαA/SMMHC. ESCs: embryonic stem cells; SMαA: smooth muscle-actin; SMMHC: smooth muscle myosin heavy chain; VSMCs: Vascular smooth muscle cells

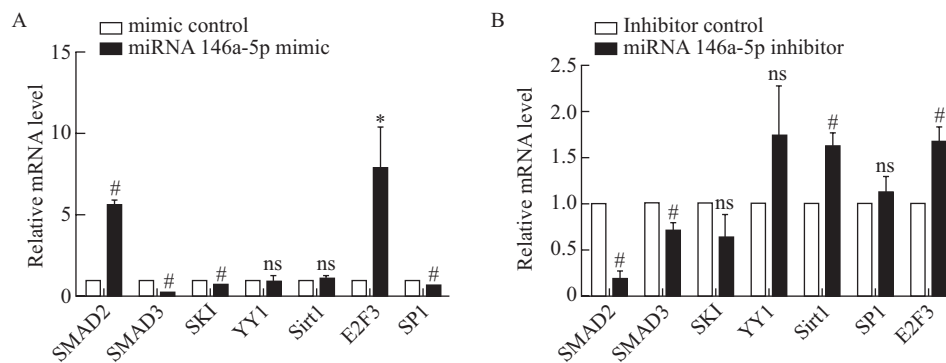


Fig. S2 Expression of some potential target genes of miR-146a
RNAs of 3-day differentiating ESCs transfected by miR-146a mimic (A) or miR-146a inhibitor (B) was extracted for RT-qPCR.
* $P < 0.05$, # $P < 0.01$. ESCs: embryonic stem cells