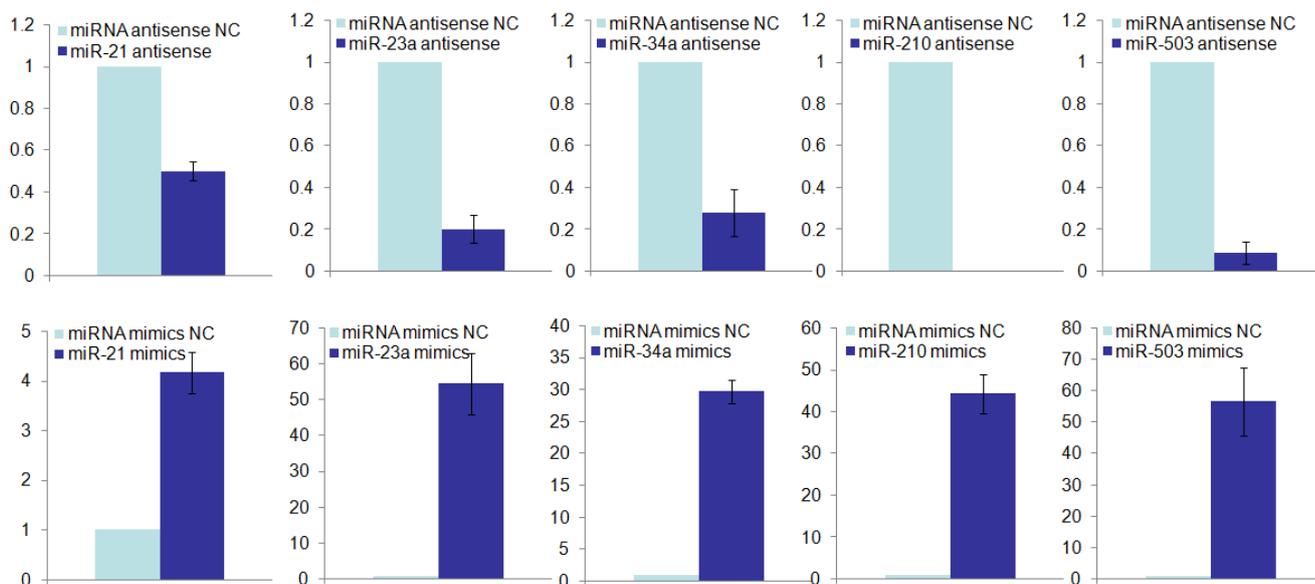


# Identification of MicroRNAs Involved in Hypoxia- and Serum Deprivation-Induced Apoptosis in Mesenchymal Stem Cells

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**Fig. S1.** MicroRNAs could be over-expressed or blocked by their Loss- and gain-of-function experiments were performed by direct transfection of short double-stranded RNAs (miRNA mimics) or their Ome-modified antisense oligonucleotides (miRNA inhibitors). And the effective transfer and blockage of miRNAs were confirmed by TaqMan qRT-PCR. Each data point represents mean  $\pm$ SEM of three independent experiments.



**Fig. S2.** The apoptosis rate of MSCs was detected by FACS after transfection with miRNAs and culture in normoxic/normal serum 72 h without treatment of hypoxia/SD. There was no distinct effect of miRNA mimics/inhibitors when MSCs were cultured in normoxic/normal serum. Each data point represents the mean  $\pm$ SEM of three independent experiments. \* $p < 0.05$  vs. MSCs transfected with scrambled mimics/inhibitors.

