

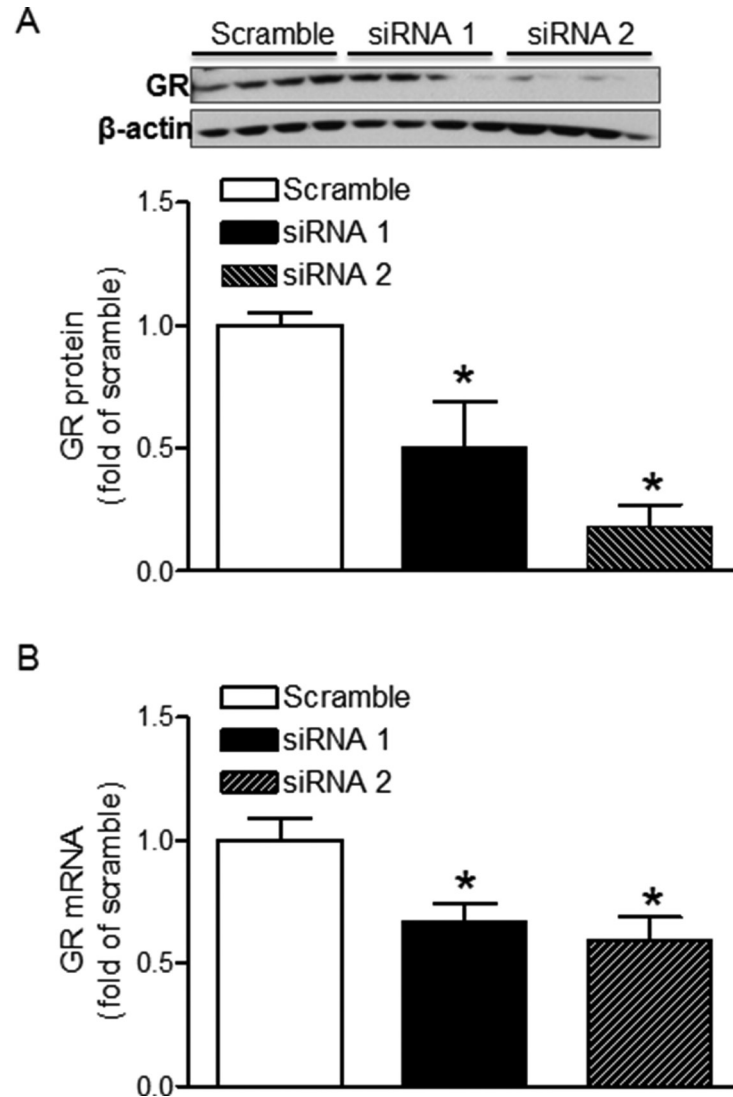
MicroRNA-210 suppresses glucocorticoid receptor expression in response to hypoxia in fetal rat cardiomyocytes

Supplementary Materials

5' –

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 GTGCTCTTAACCACTGAGCCATCTCTCCAGCCCCGCAGCTGCT
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 ACAGCCAGATGGACACATATCTTTCAGGATCTACAGGGTCTGG
 HRE1 AGAAAGGCA GAGGCGT ACGTG CCTCCCGAGGGCACGGTGTCC
 HRE2 TGGCCTTCCAGGCCACCCCTGGGCCATTGCG CAGGAAT ACGTG
GCCTGGAGAGTTGTGAGTTCCCGAAGAGGAGCAGTTCTTCGAC
 TGGGTAGGGGAATAACTGACCCGCCTAAACTTCAGTCTGGGAG
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 GACCAGAGC CAACTCAACCCAAATGCAGAAAGCCTGGGCCGTA
 CCACCGCTCGAGGGAAGGACATGCCTTGGATTGTACCAACGCC
 CAATCACAGGGAGACACTGTCCAGCGAGGCGCCCTGCAGGCC
 ☆HRE3 CCGCCCAGCAGTGGCAGCCCCCTCCCG CAAGCCG ACGTG CAGAAA
 AGAACGCGCCGGGCTCGCCCGCAATGGCTTGTCTCGGCG GCGG
 Site4 GCGGGGTGT GATGCCTCCCCCTCGTGTTCACTGGGCTGCAG
 +1

Supplementary Figure 1: Rat miR-210 promoter sequence. Three putative HRE sites for HIF-1 α /ARNT dimer binding were identified by bioinformatics search. Binding sites are boxed and core elements in HRE sites are indicated in red. Site 4 is shown in blue. +1 = transcription initiation site (based on RNA-Seq data, NCBI).



Supplementary Figure 2: GR knockdown by GR siRNAs. H9c2 cells were transfected with two GR siRNA oligos for 72 hours. The levels of GR protein (A) and mRNA (B) were determined by Western blot or qPCR. Data are mean \pm SEM. * $p < 0.05$, siRNA vs. scramble; $n = 4$.