Figure S1. Effect of different concentrations of propofol on cell viability of H9C2 cells subjected to hypoxia/reoxygenation injury. Cell viability was measured by CCK-8 assay. Data are presented as mean ± SD (n=3). $^{*}P<0.05$, $^{**}P<0.001$ compared with control untreated cells. OD, optical density.

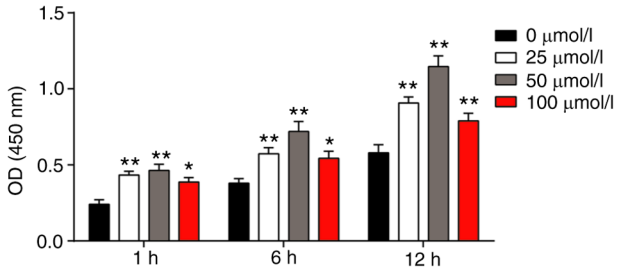

Figure S2. Transfection efficiency of miR-449a inhibitor and NR4A2 siRNA in untreated cells. (A) miR-499a expression levels were evaluated by reverse transcription-quantitative PCR in untreated parental H9C2 cells (control), and in cells transfected with NC or inhibitor. (B) NR4A2 mRNA and (C) protein expression levels were evaluated in untreated parental H9C2 cells (control), and in cells transfected with NR4A2-targeting siRNA or si-NC. Data are presented as mean ± SD (n=3). $^{**}P<0.001$ compared with control untreated cells. miR, miRNA; NR4A2, nuclear receptor subfamily 4 group A member 2; siRNA, small interfering RNA; NC, negative control; Con, control; si-NC, negative control siRNA; si, NR4A2-targeting siRNA.

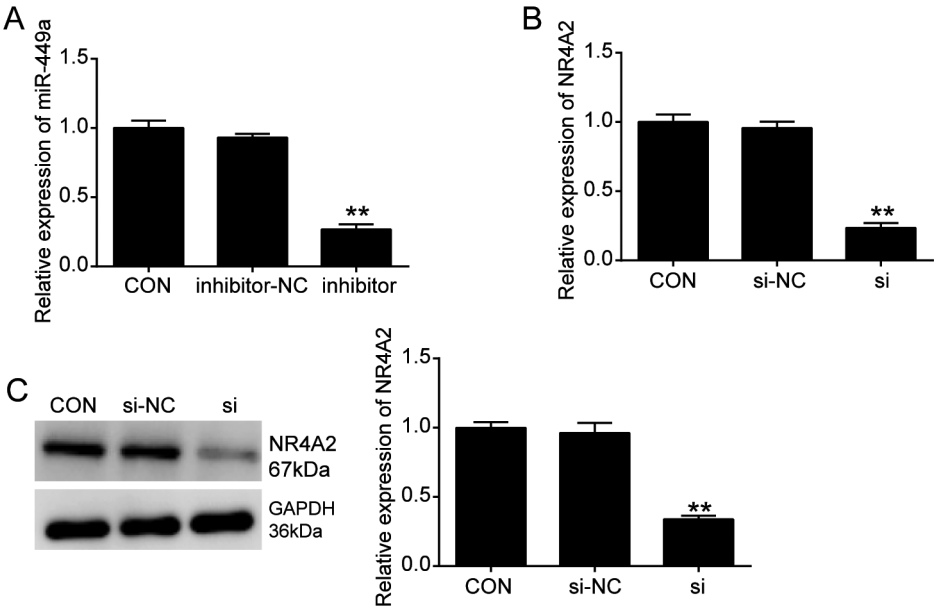

Table SI. mRNA expression levels in H9C2 cells treated with H/R injury.

Gene name	Relative mRNA expression levels		P-value
	Control	H/R	
THBS1	1.000±0.103	0.847±0.126	0.1816
SERPINE1	1.000±0.095	1.052±0.075	0.4998
SELE	1.000±0.125	1.164±0.140	0.2056
IL1RN	1.000±0.116	0.628±0.120	0.0182
CXCL8	1.000±0.098	0.636±0.057	0.0095
NAMPT	1.000±0.277	1.086±0.383	0.7699
IL6	1.000±0.101	1.039±0.060	0.6056
CCL2	1.000±0.134	0.848±0.114	0.2096
SOCS3	1.000±0.102	0.736±0.114	0.0407
CXCL2	1.000±0.088	0.741±0.064	0.0175
ATF3	1.000±0.097	0.599±0.071	0.0058
FOS	1.000±0.141	0.907±0.115	0.4279
FOSB	1.000±0.108	0.797±0.043	0.0674
NR4A2	1.000±0.053	0.311±0.037	0.0001

P-value was analyzed by unpaired Student's t-test. H/R, hypoxia/reoxygenation.