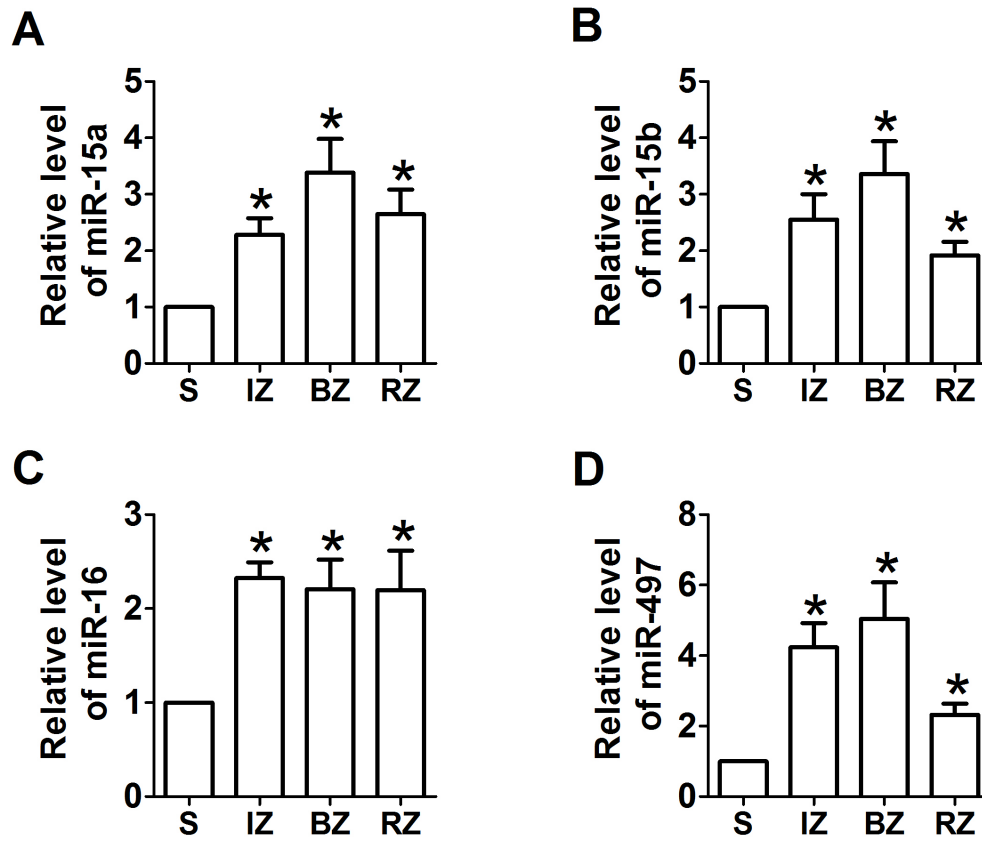
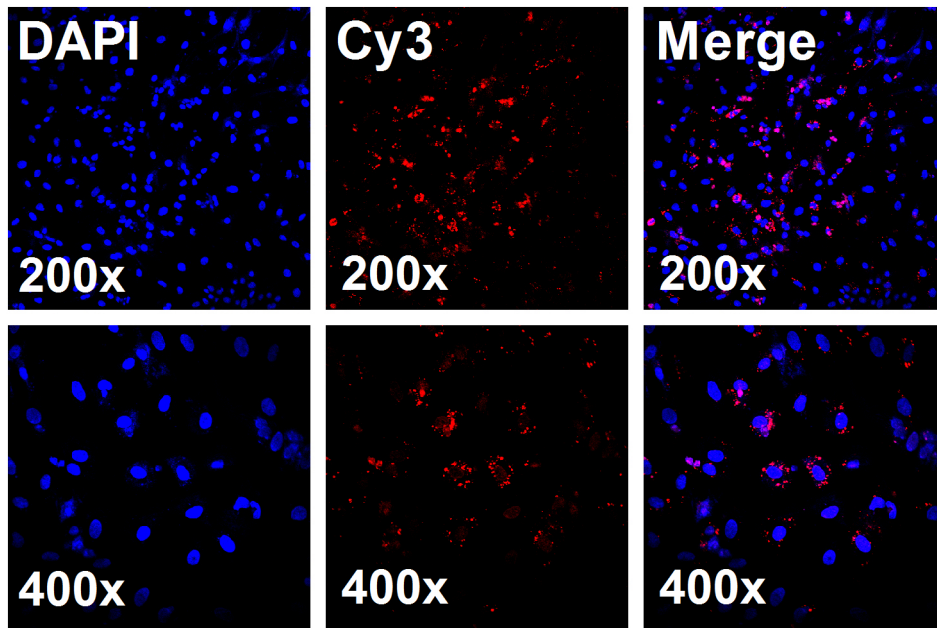


**Table S1 Primers and Sequences**

miR-15a-5p Loop-RT-Primer	GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACAAACCA
miR-15a-5p-F	GCGGCGGTAGCAGCACATAATG
miR-15a-5p-R	ATCCAGTGCAGGGTCCGAGG
miR-15b-5p Loop-RT-Primer	GTCGTATCCAGTGCGTGTCTGTGGAGTCGGCAATTGCACTGGATACGACTGTAAAC
miR-15b-5p-F	GGGTAGCAGCACATCATG
miR-15b-5p-R	TATCCAGTGCGTGTCTGTG
miR-16-5p Loop-RT-Primer	GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACCGCCAA
miR-16-5p-F	GCGGCGGTAGCAGCACGTAAAT
miR-16-5p-R	ATCCAGTGCAGGGTCCGAGG
miR-497-5p Loop-RT-Primer	GTCGTATCCAGTGCAGGGTCCGAGGTATTCGCACTGGATACGACTACAAA
miR-497-5p-F	GCGGCGGCAGCAGCACACTGTG
miR-497-5p-R	ATCCAGTGCAGGGTCCGAGG



**Fig. S1** miR-15 family was upregulated in response to MI. Real-time PCR analysis indicates that the miR-15 family including (A) miR-15a, (B) miR-15b, (C) miR-16, and (D) miR-497 was upregulated in infarct, border and remote zones in rat ventricles 24 h post-MI. \* $p < 0.05$  vs. sham,  $n = 3$ .



**Fig. S2** Representative images of Cy3-labeled transfection control (stained in red) and nucleus (stained in blue with DAPI), magnification is 200x and 400x, respectively.