

**Table S3.** Quantification of apoptosis factors (H9c2 and NRCM)

Hypoxia (5% O <sub>2</sub> )					
dexmedetomidine		–	0.1 $\mu$ M	1 $\mu$ M	10 $\mu$ M
Casp3	H9c2	153 $\pm$ 5.6	86 $\pm$ 3.5	89 $\pm$ 5.4	82 $\pm$ 7.6
Casp3	NRCM	127 $\pm$ 3.0	66 $\pm$ 3.4	74 $\pm$ 7.2	81 $\pm$ 3.7
Casp8	H9c2	134 $\pm$ 10.8	69 $\pm$ 9.8	76 $\pm$ 12.4	74 $\pm$ 11.4
Casp8	NRCM	150 $\pm$ 15.7	80 $\pm$ 6.3	83 $\pm$ 6.5	85 $\pm$ 10.0
AIF	H9c2	142 $\pm$ 8.1	78 $\pm$ 8.6	104 $\pm$ 7.5	78 $\pm$ 8.1
AIF	NRCM	45 $\pm$ 5.5	54 $\pm$ 3.7	73 $\pm$ 8.0	71 $\pm$ 3.7
Normoxia (21% O <sub>2</sub> )					
dexmedetomidine		–	0.1 $\mu$ M	1 $\mu$ M	10 $\mu$ M
Casp3	H9c2	100 $\pm$ 0.0	85 $\pm$ 10.3	90 $\pm$ 9.7	97 $\pm$ 7.2
Casp3	NRCM	100 $\pm$ 0.0	92 $\pm$ 5.1	92 $\pm$ 4.7	93 $\pm$ 4.8
Casp8	H9c2	100 $\pm$ 0.0	94 $\pm$ 7.1	90 $\pm$ 8.6	85 $\pm$ 6.2
Casp8	NRCM	100 $\pm$ 0.0	85 $\pm$ 11.3	84 $\pm$ 10.4	80 $\pm$ 4.2
AIF	H9c2	100 $\pm$ 0.0	91 $\pm$ 10.5	84 $\pm$ 8.1	98 $\pm$ 7.6
AIF	NRCM	100 $\pm$ 0.0	96 $\pm$ 3.6	88 $\pm$ 5.7	90 $\pm$ 4.8
Hyperoxia (80% O <sub>2</sub> )					
dexmedetomidine		–	0.1 $\mu$ M	1 $\mu$ M	10 $\mu$ M
Casp3	H9c2	162 $\pm$ 10.2	102 $\pm$ 14.2	96 $\pm$ 13.4	88 $\pm$ 4.9
Casp3	NRCM	137 $\pm$ 1.5	81 $\pm$ 9.4	78 $\pm$ 6.5	82 $\pm$ 5.2
Casp8	H9c2	145 $\pm$ 10.8	78 $\pm$ 10.2	87 $\pm$ 8.3	78 $\pm$ 8.3
Casp8	NRCM	164 $\pm$ 33.8	92 $\pm$ 12.2	112 $\pm$ 6.6	109 $\pm$ 6.0
AIF	H9c2	157 $\pm$ 14.2	90 $\pm$ 6.8	94 $\pm$ 7.3	85 $\pm$ 7.3
AIF	NRCM	29 $\pm$ 0.6	50 $\pm$ 12.8	48 $\pm$ 9.6	36 $\pm$ 6.0

Data are normalized to the level of cardiomyocytes exposed to normoxia (100%) and are presented as mean (%)  $\pm$  standard error of the mean (SEM). n = 6 individual experiments/group.