

Table S5. Quantification of oxidative stress response (H9c2 and NRCM)

Hypoxia (5% O ₂)					
dexmedetomidine		–	0.1 μ M	1 μ M	10 μ M
GCLC	H9c2	88 \pm 6.6	70 \pm 11.3	78 \pm 7.9	74 \pm 5.3
GCLC	NRCM	53 \pm 6.6	48 \pm 6.1	73 \pm 1.0	77 \pm 5.8
Nrf2	H9c2	96 \pm 5.3	96 \pm 1.8	95 \pm 3.5	98 \pm 3.9
Nrf2	NRCM	65 \pm 12.4	63 \pm 6.8	76 \pm 9.1	93 \pm 9.7
Hif1 α	H9c2	147 \pm 3.2	85 \pm 7.7	107 \pm 5.1	108 \pm 6.9
Hif1 α	NRCM	133 \pm 5.5	86 \pm 7.8	92 \pm 6.6	87 \pm 5.2
Normoxia (21% O ₂)					
dexmedetomidine		–	0.1 μ M	1 μ M	10 μ M
GCLC	H9c2	100 \pm 0.0	95 \pm 7.5	89 \pm 7.7	104 \pm 6.4
GCLC	NRCM	100 \pm 0.0	72 \pm 5.4	55 \pm 5.2	88 \pm 6.5
Nrf2	H9c2	100 \pm 0.0	76 \pm 4.5	71 \pm 5.0	75 \pm 3.3
Nrf2	NRCM	100 \pm 0.0	70 \pm 6.2	91 \pm 11.4	93 \pm 9.9
Hif1 α	H9c2	100 \pm 0.0	91 \pm 5.9	74 \pm 2.5	96 \pm 7.3
Hif1 α	NRCM	100 \pm 0.0	87 \pm 6.9	96 \pm 5.9	92 \pm 3.5
Hyperoxia (80% O ₂)					
dexmedetomidine		–	0.1 μ M	1 μ M	10 μ M
GCLC	H9c2	167 \pm 10.9	97 \pm 13.5	117 \pm 11.9	111 \pm 6.6
GCLC	NRCM	299 \pm 7.7	200 \pm 25.1	212 \pm 9.9	138 \pm 19.5
Nrf2	H9c2	190 \pm 2.9	70 \pm 1.7	83 \pm 5.9	96 \pm 8.6
Nrf2	NRCM	134 \pm 5.3	108 \pm 6.7	96 \pm 10.5	93 \pm 5.9
Hif1 α	H9c2	103 \pm 2.7	102 \pm 5.8	80 \pm 7.9	86 \pm 5.1
Hif1 α	NRCM	87 \pm 9.0	93 \pm 9.6	87 \pm 8.4	89 \pm 8.2

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.