

Table S6. Quantification of tissue structure (H9c2 and NRCM)

Hypoxia (5% O ₂)					
dexmedetomidine		–	0.1 μ M	1 μ M	10 μ M
TNNT2	H9c2	109 \pm 3.2	88 \pm 7.1	85 \pm 7.7	73 \pm 3.9
TNNT2	NRCM	82 \pm 8.5	88 \pm 6.9	95 \pm 5.8	94 \pm 8.8
Timp1	H9c2	97 \pm 4.4	98 \pm 4.3	103 \pm 6.4	91 \pm 5.9
Timp1	NRCM	83 \pm 9.0	94 \pm 6.2	97 \pm 4.3	99 \pm 5.5
Timp2	H9c2	100 \pm 5.5	86 \pm 5.1	95 \pm 4.6	97 \pm 5.2
Timp2	NRCM	68 \pm 6.0	69 \pm 5.1	79 \pm 6.7	94 \pm 6.2
Normoxia (21% O ₂)					
dexmedetomidine		–	0.1 μ M	1 μ M	10 μ M
TNNT2	H9c2	100 \pm 0.0	90 \pm 6.8	82 \pm 3.6	85 \pm 5.1
TNNT2	NRCM	100 \pm 0.0	93 \pm 8.3	110 \pm 4.6	97 \pm 8.1
Timp1	H9c2	100 \pm 0.0	92 \pm 5.2	90 \pm 7.1	96 \pm 7.2
Timp1	NRCM	100 \pm 0.0	89 \pm 5.6	107 \pm 5.7	107 \pm 6.8
Timp2	H9c2	100 \pm 0.0	93 \pm 6.2	92 \pm 7.5	105 \pm 5.7
Timp2	NRCM	100 \pm 0.0	83 \pm 4.2	93 \pm 5.7	98 \pm 2.5
Hyperoxia (80% O ₂)					
dexmedetomidine		–	0.1 μ M	1 μ M	10 μ M
TNNT2	H9c2	140 \pm 7.4	89 \pm 11.4	80 \pm 8.4	79 \pm 4.4
TNNT2	NRCM	47 \pm 6.6	58 \pm 7.5	57 \pm 5.1	39 \pm 4.6
Timp1	H9c2	140 \pm 4.2	83 \pm 8.8	93 \pm 8.0	90 \pm 8.2
Timp1	NRCM	140 \pm 6.8	90 \pm 12.5	95 \pm 8.4	80 \pm 10.3
Timp2	H9c2	143 \pm 4.1	85 \pm 6.1	115 \pm 2.7	114 \pm 2.5
Timp2	NRCM	124 \pm 3.3	87 \pm 8.4	98 \pm 7.5	89 \pm 9.7

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.