

**Table S1. Primers used for real-time PCR**

Gene	Forward Primer(5'→3')	Reverse Primer(5'→3')
Gapdh	TGTGAGGGAGATGCTCAGTG	TGTTCTACCCCCAATGTGT
Oct4	GAAGCAGAAGAGGATCACCTTG	TTCTTAAGGCTGAGCTGCAAG
Sox2	ATGGGCTCTGTGGTCAAGTC	CCCTCCCAATTCCCTTGTAT
Nanog	TCCAGAAGAGGGCGTCAGAT	CAAATCCCAGCAACCACATG
HIF2 $\alpha$	CTAAGTGGCCTGTGGGTGAT	GTGTCTTGGAAGGCTTGCTC
Gata4	TCTCCCAGGAACATCAAAACC	GTGTGAAGGGGTGAAAAGG
Tbx5	GGAAAGATGAGGAATGTTCCAG	GTGTTACAGCTGATGTCCTCCA
Nkx2.5	GCTACAAGTGCAAGCGACAG	GGGTAGGCGTTGTAGCCATA
Mef2C	GCCCTGAGTCTGAGGACAAG	ATCAGACCGCCTGTGTTACC
Mesp1	CCTTCGGAGGGAGTAGATCC	AAAGCTTGTGCCTGCTTCAT
cTnT	CCTGCAGGAAAAGTTCAAGC	TTCCCACGAGTTTTGGAGAC
$\alpha$ -MHC	GATGCCCAGATGGCTGACTT	GGTCAGCATGGCCATGTCCT