

**Table S1. Primers and reaction conditions for RT-PCR analysis**

Gene	Accession number	Forward (5'-3')	Reverse (5'-3')	Amplicon length (bp)	Annealing temperature (°C)
<b>Conventional RT-PCR</b>					
<i>Cx40</i>	NM_008121	TGGGCAGTTGAACAGCAGCCAG	CCCAGGAAGCTCCAGTCACCCA	119	60
<i>Ednra</i>	NM_010332.2	ACGCTGGCCTTTTCG	CTGAGCAGTTCACACCGGTTCTTATC	603	61
<i>EGFP</i>	U57609.1	GACGTAAACGGCCACAAGTTCA	GAAGTCCAGCAGGACCATGTGATC	608	61
<i>Gapdh</i>	XR_030830.1	GGTGTGAACCACGAGAAATAT	AGATCCACGACGGACACATT	334	61
<i>Hand1</i>	NM_008213.2	GGAGTTGCCTCAGCAGCCCG	CCGTAGCCGCTGCGTCCTTT	200	60
<i>Isl1</i>	NM_021459.3	GCCTGCAGCCGACAGCTCAT	AGGTCCGCAAGGTGTGCAGC	271	60
<i>Nkx2.5</i>	NM_008700.2	CCCAGCCGCCCCACATTTT	GCGCCATCCGTCTCGGCTTT	132	60
<i>Tbx2</i>	NM_009324.2	CGAGATGCCTAAACGCATG	CAAGATGTCATTGGCTCGCAC	190	60
<i>Tbx5</i>	NM_011537.2	ACACATGGCCCAGCATGCCC	CCCGCACTGCCTGACCACAG	138	60
<i>Tbx18</i>	NM_023814.3	GGTATGTTTACCATAGCTCT	AAGGTGAGAGTCCGTAGTGAT	472	60
<b>Real time PCR</b>					
<i>Hand1</i>	NM_008213.2	GGAGTTGCCTCAGCAGCCCG	CCGTAGCCGCTGCGTCCTTT	200	61
<i>HPRT</i>	NM_013556.2	AGCGCAAGTTGAATCTGC	AGCGACAATCTACCAGAG	119	60
<i>Nkx2.5</i>	NM_008700.2	CCCAGCCGCCCCACATTTT	GCGCCATCCGTCTCGGCTTT	132	61
<i>Tbx5</i>	NM_011537.2	ACACATGGCCCAGCATGCCC	CCCGCACTGCCTGACCACAG	138	61