

**Table S1. List of gene-specific oligonucleotides used in the quantitative RT-PCR**

Target gene	Forward (F) and reverse (R) sequences (5' to 3')	Length	Amplicon size (bp)	Figures in which oligonucleotide was used
<i>strim1</i>	F: CGATGAATTAAAGAACCCATGAC R: GGTTGCCAGGCACGCCCTAC	24 21	124	Fig. 2
<i>otp</i>	F: CGGCACAACTGAACGAACCTGG R: CGAAATACATTAGTGGCTCTCTTG	21 24	172	Fig. 4, Fig. 8
<i>pax2/5/8</i>	F: CCCGACAAGGACTCTAACCG R: GCCTCTGACACGACGCTGCT	21 22	138	Fig. 4, Fig. 8
<i>fgfA</i>	F: TACATTGAAGTGGTTGGATTTCG R: GCCAGGGACACGCATAAGAAC	24 21	159	Fig. 4, Fig. 8
<i>vegf</i>	F: ATCACGCACACATAACGACAAC R: CGAAGATAACACAGAGTCCTATG	22 24	173	Fig. 4, Fig. 8
<i>sm30</i>	F: CACGGTCACGGTCACGGTCT R: CTACTTGTCTCAGGAACGCAC	20 21	168	Fig. 4, Fig. 8
<i>gcm</i>	F: GCTCGTAAGAAGCAAGGTGATAA R: TTAGATTGGAACAGGATGACAGTA	23 24	143	Fig. 4, Fig. 8
<i>papss</i>	F: GCCTGTATTAGTCTTGATTGATT R: GGGTCTATCTCTTGTGATTAAT	24 23	120	Fig. 4, Fig. 8
<i>mbf-1*</i>	F: ATGACACAGCCTGGAGCT R: TACCAAGGAAGTGGGTGT	18 18	102	Fig. 2, Fig. 4, Fig. 8
<i>cyt-ox*</i>	F: GTTGGGGTTAATCTAACATTCTC R: GAGGGTATAAGGCATCTGGATAG	24 22	93	Fig. 2, Fig. 4, Fig. 8

\*A cytochrome-oxidase (*cyt-ox*) or the H2A histone modulator binding factor (*mbf-1*) mRNA were used to normalize all data.