

Table S1: Primers used in this research work

Gene	Primer sequence 5'- 3' for qRT-PCR	
<i>APX2 F</i>	CTTGATGATCCTCTCTTTCTCCCA	
<i>APX2 R</i>	ACTCCTTGTCAGCAAACCCGAG	
<i>HSP22 F</i>	ATTCTGGAGACAGTTCAAGCTACCT	
<i>HSP22 R</i>	TTCAGGAGATAGTTTCGTGAGGTTA	
<i>HSP70 F</i>	CCGTCTTCGATGCTAAGCGTCT	
<i>HSP70 R</i>	AACCACAATCATAGGCTTCTCACC	
<i>ACTIN 8 F</i>	CACTTTCCAGCAGATGTGGATC	
<i>ACTIN 8 R</i>	AATGCCTGGACCTGCTTCAT	
	Primers sequence 5'-3' for Histone ChIP	Amplicon region
<i>APX2 F</i>	GGATATCAAACCCAACCTGAAGAGAG	1
<i>APX2 R</i>	ATAATCTGAGCAAAAGATAAAACACGG	1
<i>APX2 F</i>	CTGTTCCCTATTCTGTCATATGCTG	2
<i>APX2 R</i>	ACCCTTGATTCTATGGTTCTACCTC	2
<i>HSP22 F</i>	CGTTGGACTTGGCCTTAGAT	1
<i>HSP22 R</i>	TGACTGCTCCCTGATTCTTG	1
<i>HSP22 F</i>	ATGAAGCACTTGCTAAGCATCTTC	2
<i>HSP22 R</i>	AGTCCTAATGGGATTCTCTCCA	2
<i>HSP70 F</i>	TCAAAAGGGGTCTACGAAA	1
<i>HSP70 R</i>	GCACCACACGTTTTCAAGGT	1
<i>HSP70 F</i>	CCACTCTTCATTCATATATAAACA	2
<i>HSP70 R</i>	ATTCGTCTGTGAGCTTTAAGAG	2