

Supplemental Table S1. Primers used in this study.

COX2-promoter constructs (Luciferase assays)

Promoter construct	Forward primer 5'-3'	Reverse primer 5'-3'
pCOX2	AAACTCGACAATAAATAGGAGTGCCATAAATG	TGCTCCTGACGCTCACTGCAAAAGCTTA
pCOX2-1.2	AAACTCGAGGCCCAATAAGCCCAGGCAA	TGCTCCTGACGCTCACTGCAAAAGCTTA
pCOX2-0.8	ACACTCGAGGGGTGAAGGTCAGGAGAACA	TGCTCCTGACGCTCACTGCAAAAGCTTA
pCOX2-0.65	TGAAGGTAGCTATTTTCATTCCACA	TGCTCCTGACGCTCACTGCAAAAGCTTA
pCOX2-0.4	GCGAAGAAGAAAAGACATCTGG	TGCTCCTGACGCTCACTGCAAAAGCTTA

Site directed mutagenesis

Name	Forward primer 5'-3'	Reverse primer 5'-3'
pCOX2-0.8-TBEMUT	XGAAAGCAACTTAGTACC AAGATAAATTACAGC	GCTAATTTAATCCCTTGG ACTAAGTTGCTTTC

ChIP Q-PCR

Name	Forward primer 5'-3'	Reverse primer 5'-3'
ChIP-TBECOX2-I	GAAGCCAAGTGTCTTCTGC	GGAGAGGGAGGGATCAGAC
ChIP-TBECOX2-II	CGAGAATAGAAAATTAGCCCAATAAGC	TTTTGTGGAATGAAATAGCTACC
ChIP-TBECOX2-III	AAGGCATACGTTTTGGACATTTAGC	CTTTATATTGGTGACCCGTGGAGCT
ChIP-TBECOX2-IV	CGAGAATAGAAAATTAGCCCAATAAGC	CAACTCATAATCTTGAAAAAGTGGACA
ChIP-TBECMYC	GTGAATACACGTTTGCGGGTTAC	AGAGACCCTTGTGAAAAAACCG
ChIP-COX2POLII	AGGCGCTGCTGAGGAGTT	TAAGGGGAGAGGAGGGAAAA

RT-PCR

Name	Forward primer 5'-3'	Reverse primer 5'-3'
RT-COX2	AAGCCTTCTAACCTCT	GTGAATACACGTTTGCGGGTTAC

Real Time-PCR

Name	Forward primer 5'-3'	Reverse primer 5'-3'
Real-COX2	TCAAATGAGATTGTGGAAAAAT	AGATCATCTCTGCCTGAGTATCTT
Real-C-MYC	TACCCTCTCAACGACAGCAG	TCTTGACATTCTCCTCGGTG
Real-CCND1	GCCGAGAAGCTGTGCATCTA	CTGGCATTGAGAGGAAG
Real-β-actin	AGAAAATCTGGCACCACACC	CAGAGGCGTACAGGGATAGC

EMSA

Oligo name	Forward Oligo sequence 5'-3'
COX2-TBEwt	AAAGCAACTTAGCTACAAAGATAAATTACAGC
COX2-TBEmut	AAAGCAACTTAGCTACGAGGATAAATTACAGC
COX2-TBEmut II	AAAGCAACTTAGCGCCAAAGATAAATTACAGC