

Table S3: Primers used in the study

S#	Name	Primer Sequence	Used for	Described/shown in
Primers for qRT-PCR of <i>zipco</i> expression				
1	qPCR-F	5'-TAATAGTTGGCCTCTCGATG-3'	Quantification of <i>zipco</i> mRNA	Figure E1
2	qPCR-R	5'-ACGATAGCACTGCAACAAG-3'	Quantification of <i>zipco</i> mRNA	Figure E1
Primers for ZIPCO gene disruption and verification of recombinant clones				
3	Apal	5'-GGGCCCCAACATTTTATCAACAACGGAC-3'	Plasmid construct ZIPCO and ZIPCO-HA	Figure 2A; Figure E5A
4	SmaI	5'-CCCGGGGAAAGGTTTCGTATTTCTTTAATGCTTAATG-3'	Plasmid construct ZIPCO	Figure 2A
5	NotI	5'-GCGGCCGCCCTTACCATTAGGAATTCTTGTTGCAG-3'	Plasmid construct ZIPCO	Figure 2A
6	AscI	5'GGCGCGCCAAGTATTATATTTTCGCACGGATGATAGAAC-3'	Plasmid construct ZIPCO	Figure 2A
7	1	5'-CGCGGATCCATGTGGCTAAACTGATTCTGGCTATA-3'	RT-PCR analysis transcripts	Primer 1 Figure E7
8	2	5'-CATTTCTATATCTATATGGTCACGG-3'	RT-PCR analysis transcripts	Primer 2 Figure E7
9	3	5'-TGCTTTGAGGGGTGAGCATTTAAAGC-3'	RT-PCR analysis transcripts	Primer 3 Figure E7
10	4	5'-TGTTGTCTCTTCAATGATTCATAAATAGTTGG-3'	RT-PCR analysis transcripts	Primer 4 Figure E7
11	5	5'-CCGCTCGAGCGGCTACATTGGATTTTCTAAATAATTAAATAC-3'	RT-PCR analysis transcripts	Primer 5 Figure E7
12	hsp70F	5'-TGCAGCAGATAATCAAACCTC-3'	RT-PCR analysis transcripts; qRT-PCR	Hsp70 Figure E7
13	hsp70R	5'-ACTTCAATTTGTGGAACACC-3'	RT-PCR analysis transcripts; qRT-PCR	Hsp70 Figure E7
Primers used for ZIPCO-HA construct				
14	Cla-Hpa	5'-ATCGATGTTAACGCATATATCAATTCATCATTAAA-3'	Plasmid construct ZIPCO-HA	Figure E5A
15	HpaI	5'-GTAACTATTAAATTTTTTTGTAAAGC-3'	Plasmid construct ZIPCO-HA	Figure E5A

16	ClaI	5'- ATCGATA ACTACATTGGATTTTTCTAAATAATTAAATAC-3'	Plasmid construct ZIPCO-HA	Figure E5A
17	HA-NotI	5'-ATAAGAAT GCGGCCG CAATAGTCATCCCCATTTTCATTC-3'	Plasmid construct ZIPCO-HA	Figure E5A
18	HA-AscI	5'- GCGCGC CCCCATAAAATATATAGCATTGCAC-3'	Plasmid construct ZIPCO-HA	Figure E5A
19	551	5'-GCAAGGCGATTAAGTTG-3'	Sequencing of HA-Construct	NA
20	1251	5'-GTAGAAGGTACCGCGC-3'	Sequencing of HA-Construct	NA
21	1710	5'-GGAATTCTTGTTGCAGTGCTATCG-3'	Sequencing of HA-Construct	NA
22	4420	5'-CTTCAATGATTCATAAATAGTTGGAC-3'	Sequencing of HA-Construct	NA
23	5180	5'-GTGTATCTTAAGAAGAATTGCAATTTC-3'	Sequencing of HA-Construct	NA
24	HA-Probe-F	5'-GTATTATATTTTCGCACGGATGATAGAAC-3'	Probe for southern blot	Figure E5A
25	HA-Probe-R	5'-CTTACCATTACCATTAGGAATTCTTGTTGCAG-3'	Probe for southern blot	Figure E5A
Primers for ZIPCO-ko construct				
26	DAPaI	5'- GGGCCCG AAGTGTATAATATATTTAATAG-3'	Plasmid construct ZIPCO-ko	Figure E8A
27	DSmaI	5'-TCCCC CGG TTTAATAAAATATATAATATTC-3'	Plasmid construct ZIPCO-ko	Figure E8A
28	DNotI	5'-ATAAGAAT GCGGCCG CAGTCATCCCCATTTTCATTCAAATG-3'	Plasmid construct ZIPCO-ko	Figure E8A
29	DAscI	5'- GCGCGC CCTTGCAATTCTTCTTAAGATACACTT-3'	Plasmid construct ZIPCO-ko	Figure E8A
30	P1	5'-ATGTGGCTAAAACTGATTCTGG-3'	PCR Verification of KO-clone	Figure E8A
31	P2	5'-TATCATTAATGTTGACATCCAC-3'	PCR Verification of KO-clone	Figure E8A
32	P3	5'-CTATTGCTTAAGTTTATGCGAATAC-3'	PCR Verification of KO-clone	Figure E8A
33	P4	5'-GTGCATGCACATGCATGTAAATAG-3'	PCR Verification of KO-clone	Figure E8A

Restriction sites are highlighted in bold letters.