

AGGAGGTTAGTTAGA

**ATG**TCAAATCTTCTTACAGTTCATCAAAATCTTCCTGCTTTACCAGTTGATGCTACAAGTGATGAAGTTAGAAAA  
AATCTTATGGATATGTTTAGAGATAGACAAGCATTTCAGAACATACATGGAAAATGCTTCTTAGTGTTTGTAGA  
TCATGGGCAGCTTGGTGTAAACTTAATAATAGAAAATGGTTTCCTGCTGAACCAGAAGATGTTAGAGATTATCTT  
CTTTATCTTCAAGCAAGAGGACTTGCTGTAAAACTATTCACAACATCTTGGACAACCTAATATGTTACATAGA  
AGAAGTGGTCTTCCTAGACCAAGTGATTCAAATGCAGTTTCATTAGTAATGAGAAGAATAAGAAAAGAAAATGTT  
GATGCAGGAGAAAGAGCTAAACAAGCACTTGCTTTTGAAAGAACAGATTTTGATCAAGTTAGATCTTTAATGGAA  
AATAGTGATAGATGTCAAGATATAAGAAATCTTGCATTTTTAGGTATTGCTTATAATACACTTCTTAGAATAGCA  
GAAATAGCTAGAATAAGAGTAAAAGATATAAGTAGAACTGATGGAGGTAGAATGCTTATTCATATAGGAAGAACA  
AAAACCTCTGTTTCAACAGCAGGAGTAGAAAAAGCATTAAAGTTTAGGTGTTACTAAACTTGTAGAAAGATGGATA  
TCTGTTAGTGGAGTAGCAGATGATCCTAATAATTATTTATTTTGTAGAGTTAGAAAAAATGGTGTAGCAGCTCCA  
TCAGCTACATCTCAACTTAGTACTAGAGCATTAGAAGGAATATTTGAAGCTACACATAGACTTATATATGGAGCA  
AAAGATGATTCTGGTCAAAGATATTTAGCATGGTCAGGACATTCTGCTAGAGTTGGTGCAGCTAGAGATATGGCA  
AGAGCTGGAGTAAGTATTCCTGAAATAATGCAAGCTGGAGGTTGGACTAATGTTAATATAGTAATGAATTATATT  
AGAAATTTAGATAGTGAAACTGGAGCAATGGTTAGACTTTTAGAAGATGGTGAT**TAA**

**Figure S5. Sequence of the synthesized *cre* gene.**

Ribosome binding site is underlined. Translation initiation codon (ATG) and stop codon (TAA) are indicated in bold.