

>Cre coding sequences

gccaccATGtccaatttacttaccgtacacaaaaatttgctgcattaccggctcgatgcaacgagtgatgaggttcgcaagaacctgatggacatgttcagggatcgccaggcggttttctgagcatacctggaaaatgcttctgtccgtttgccggtcgtgggcggcatggtgcaagttgaataaccggaaatggttccccgcagaacctgaagatgttcgcgattatcttctatatcttcaggcgcgcggtctggcagtaaaaactatccagcaacatttgggccagctaaacatgcttcacgtcggtccgggctgccacgaccaagtacagcaatgctgtttcactggttatcgggcggatccgaaaagaaaacgttgatgccggtgaacgtgcaaaacaggctctagcgttcgaacgcactgatttcgaccagggtcgttcactcatggaaaatagcgatcgctgccaggatatacgaatctggcatttctggggattgcttataacaccctgttacgtatagccgaaattgccaggatcagggttaaagatatctcacgtactgacggtgggagaatgttaatccatattggcagaacgaaaacgtggttagcaccgcagggtgtagagaaggcacttagcctgggggtaactaaactggtcgagcgatggatttccgtctctggtgtagctgatgatccgaataactacctgttttgccgggtcagaaaaaatggtgttgccgcgcatctgccaccagccagctatcaactcgcgccctggaagggttttgaagcaactcatcgattgatttacggcgctaaggatgactctggtcagagatacctggcctggtctggacacagtcccgtgtcgga gccgcgcgagatatggcccgctggagtttcaataccggagatcatgcaagctggtggctggaccaatgtaaatattgtcatgaactatatccgtaacctggatagtgaacaggggcaatggtgcgctgctggaagatggcgatTAG

>Cre recombinase protein sequences contain 343 amino-acids

MSNLLTVHQNLPALPVDATSDVRKNLMDMFRDRQAFSEHTWKMLLSVCRSWAAWCKLNNRKWFPAEPEDVRDY
LLYLQARGLAVKTIQQHLGQLNMLHRRSGLPRPSDNAVSLVMRRIRKENVDAGERAKQALAFERTDFDQVRSLMENS
DRCQDIRNLAFLGIAYNTLLRIAIEIARIRVKDISRTDGGRM LIHIGRTKTLVSTAGVEKALSLGVTKLVERWISVSGVADDP
NNYLFCRVRKNGVAAPSATSQ LSTRALEGIFEATHRLIYGAKDDSGQRYLAWSGHSARVGAARDMARAGVSIPEIMQA
GGWTNVNIVMNYIRNLDSETGAMVRLLEDGD*

Note: Cre coding sequences (cds) are indicated by capitalized start (ATG) and stop (TAG) codons. The cds are in put in a context of Kozack consensus sequences, which are underlined.