

pHcRed-Tandem-C2 vector

This vector has not been completely verified.

Two identical HcRed1 sequences linked head-to-tail are indicated by blue, the linker between them is indicated by yellow.

TAGTTATTAATAGTAATCAATTACGGGGTCATTAGTTCATAGCCCATATATGGAGTTCGCGTTACATAACTTACGGTAAATGGCCCCG
CTGGCTGACCGCCCAACGACCCCCGCCATTGACGTCAATAATGACGTATGTTCCCATAGTAACGCCAATAGGGACTTTCCATTGACGT
CAATGGGTGGAGTATTTACGGTAAACTGCCACTTGGCAGTACATCAAGTGTATCATATGCCAAGTACGCCCCCTATTGACGTCAATGA
CGGTAAATGGCCCCGCTGGCATTATGCCAGTACATGACCTTATGGGACTTTCTACTTGGCAGTACATCTACGTATTAGTCATCGCTA
TTACCATGGTGATGCGGTTTTGGCAGTACATCAATGGGCGTGGATAGCGGTTTACTCAGCGGGGATTTCCAAGTCTCCACCCATTGAC
GTCAATGGGAGTTTTGTTTTGGCACAAAATCAACGGGACTTTCCAAAATGTGTAACAACCTCCGCCCATTTGACGCAAATGGGCGGTAG
CGGTGTACGGTGGGAGGTCTATATAAGCAGAGCTGGTTTTAGTGAACCGTCAGATCCGCTAGCGCTACCGGTTCGCCACC**ATGGTGAGCGG**
CCTGCTGAAGGAGAGTATGCGCATCAAGATGTACATGGAGGGCACCGTGAACGGCCACTACTTCAAGTGCAGGGGCGAGGGCGACGGCA
ACCCCTTCGCCGGCACCCAGAGCATGAGAATCCACGTGACCGAGGGCGCCCCCTGCCCTTCGCCTTCGACATCCTGGCCCCCTGCTGC
GAGTACGGCAGCAGGACCTTCGTGCACCACACCGCCGAGATCCCCGACTTCTTCAAGCAGAGCTTCCCCGAGGGCTTCACCTGGGAGAG
AACCACCACCTACGAGGACGGCGGCATCCTGACCGCCACCAGGACACCAGCCTGGAGGGCAACTGCCTGATCTACAAGGTGAAGGTGC
ACGGCACCAACTTCCCCGCGCAGCGCCCGTGATGAAGAACAAGAGCGGGCGGCTGGGAGCCAGCACCGAGGTGGTGTACCCCGAGA
GGCGTGTGTGCGGGCGAACGTGATGGCCCTGAAGGTGGGCGACCGGACCTGATCTGCCACCACTACACCAGTACCCAGTACCCGAGCAAGAA
GGCCGTGCGCGCCCTGACCATGCCCGCTTCCACTTCACCGACATCCGGCTCCAGATGCTGCGGAAGAAGAAGGACGAGTACTTCGAGC
TGTACGAGGCCAGCGTGGCCCGGTACAGCGACCTGCCCGAGAAGGCCAACAGATCTCCCGGGATG**GTGAGCGGCTGCTGAAGGAGAGT**
ATGCGCATCAAGATGTACATGGAGGGCACCGTGAACGGCCACTACTTCAAGTGCAGGGGCGAGGGCGACGGCAACCCCTTCGCCGGCAC
CCAGAGCATGAGAATCCACGTGACCGAGGGCGCCCCCTGCCCTTCGCCTTCGACATCCTGGCCCCCTGCTGCGAGTACGGCAGCAGGA
CCTTCGTGCACCACACCGCCGAGATCCCCGACTTCTTCAAGCAGAGCTTCCCCGAGGGCTTCACCTGGGAGAGAACCACCACCTACGAG
GACGGCGGCATCCTGACCGCCACCAGGACACCAGCCTGGAGGGCAACTGCCTGATCTACAAGGTGAAGGTGCACGGCACCAACTTCCC
CGCCGACGGCCCCGTGATGAAGAACAAGAGCGGGCGGCTGGGAGCCAGCACCGAGGTGGTGTACCCCGAGAACGGCGTGTGTGCGGCC
GGAACGTGATGGCCCTGAAGGTGGGCGACCGGCACCTGATCTGCCACCACTACACCAGTACCCGAGCAAGAAGGCCGTGCGCGCCCTG
ACCATGCCCGGCTTCCACTTCACCGACATCCGGCTCCAGATGCTGCGGAAGAAGAAGGACGAGTACTTCGAGCTGTACGAGGCCAGCGT
GGCCCGGTACAGCGACCTGCCCGAGAAGGCCAACAGA**ACTCGATCGAGCTCAAGCTTTCGAATTCGACGTCGACGGTACCGCGGGCCCC**
GGATCCACCGGATCTAGATAACTGATCATAATCAGCCATAACCACATTTGTAGAGGTTTTACTTGCTTTAAAAAACCTCCACACCTCCC
CCTGAACCTGAAACATAAAATGAATGCAATTGTTGTTGTTAACTTGTATTATTGCAGCTTATAATGGTTACAAAATAAAGCAATAGCATCA
CAAATTTCAAAAATAAAGCATTTTTTTTCACTGCATTCTAGTTGTGGTTTTGTCCAAACTCATCAATGTATCTTAACCGCTAAATTTGTAAG
CGTTAATATTTTGTAAAATTCGCGTTAAATTTTTGTTAAATCAGCTCATTTTTTAACCAATAGGCCGAAATCGGCAAAAATCCCTTATA
AATCAAAAAGAAATAGACCGAGATAGGGTTGAGTGTGTTCCAGTTTTGGAACAAGAGTCCACTATTAAGAACGTGGACTCCAACGTCAAA
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ATAACCTGATAAATGCTTCAATAATATTGAAAAGGAAGAGTCTGAGGCGAAAGAACCAGCTGTGGAATGTGTGTCAGTTAGGGTG
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CCCCAGCAGGCAGAAGTATGCAAAGCATGCATCTCAATTAGTCAGCAACCATAGTCCCGCCCCTAACCTCCGCCCATCCCCGCCCTAACT
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CAAGATGGATTGCACGCAGGTTCTCCGGCCGCTTGGGTGGAGAGGCTATTCGGCTATGACTGGGCACAACAGACAATCGGCTGCTCTGA
TGCCCGCGTGTTCGGCTGTGACGCGAGGGGCGCCGTTCTTTTTGTCAAGACCGACCTGTCCGGTGCCTGAATGAACTGCAAGACG
AGGCAGCGCGGCTATCGTGGCTGGCCACGACGGGCGTTCCCTTGCGCAGCTGTGCTCGACGTTGTCACTGAAGCGGGAAGGACTGGCTG
CTATTGGGCGAAGTCCCGGGCAGGATCTCCTGTATCTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCCGGCG
GCTGCATACGCTTGATCCGGCTACCTGCCATTTCGACCACCAAGCGAAACATCGCATCGAGCGAGCACGTA**CTCGGATGGAAGCCGGTC**
TTGTGATCAGGATGATCTGGACGAAGAGCATCAGGGGCTCGCGCCAGCCGAACTGTTCCGCCAGGCTCAAGGGCGAGCATGCCCGACGGC
GAGGATCTCGTCTGACCCATGGCGATGCCTGCTTGCCGAATATCATGGTGGAAAATGGCCGCTTTTTCTGGATT**CATCGACTGTGGCCG**
GCTGGGTGTGGCGGACCGCTATCAGGACATAGCGTTGGCTACCCGTGATATTGCTGAAGAGCTTGGCGGCGAATGGGCTGACCGCTTCC
TCGTGCTTTACGGTATCGCCGCTCCCGATTTCGACGCGCATCGCCTTCTATCGCCTTCTTGACGAGTTCTTCTGAGCGGGACTCTGGGGT
TCGAAATGACCGACCAAGCGACGCCAACCTGCCATCACGAGATTTGATTTCCACCGCCGCTTCTATGAAAGGTTGGGCTTCGGAATC
GTTTTCCGGGACCGCGCTGGATGATCTCCAGCGGGGATCTCATGCTGGAGTTCTTCGCCACCCATAGGGGAGGCTAACTGAAAC
ACGGAAGGAGACAATACCGGAAGGAACCCGCGCTATGACGGCAATAAAAAGCAGAATAAAAACGCACGGTGTGGTTCGTTGTTTCATA
AACCGGGGTTCCGGTCCAGGGCTGGCACTCTGTGATAACCCACCGAGACCCATTGGGGCAATACGCCCGGTTTTCTTCTTTTCC
CCACCCACCCCAAGTTCCGGTGAAGGCCAGGGCTCGCAGCCAACGTCCGGGCGGCAGGCCCTGCCATAGCCTCAGGTTACTCATA
TATACTTTAGATTGATTTAAAACCTTCATTTTTAATTTAAAAGGATCTAGGTGAAGATCCTTTTTGATAATCTCATGACCAAAAATCCCTT
AACGTGAGTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAAAAGATCAAAGGATCTTCTTGAGATCCTTTTTTTCTGCGCGTAATCTGC
TGCTTGCAAACAAAAAACCCGCTACCAGCGGTGGTTTTGTTTGCCGATCAAGAGCTACCAACTCTTTTTTCCGAAGGTA**ACTGGCTT**
CAGCAGAGCGCAGATAACCAATACTGTCTTCTAGTGTAGCCGTAGTTAGGCCACCACTTCAAGA**ACTCTGTAGCACCGCTACATACC**
TCGCTCTGCTAATCCTGTTACCAAGTGGCTGCTGCCAGTGGCGATAAGTCGTGCTTACC**GGGTTGGACTCAAGACGATAGTTACCGGAT**
AAGGCGCAGCGGTCCGGCTGAACGGGGGTTCTGTGCACACAGCCCAGCTTGGAGCGAACGACCTACACCGAACTGAGATACTACAGCG
TGAGCTATGAGAAAGCGCCACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGGCAGGGTCCGGAACAGGAGAGCGCACGA
GGGAGCTTCCAGGGGAAACGCTTGGTATCTTTATAGTCTGTGCGGTTTTGCCACCTCTGACTTGAGCGTCGATTTTTGTGATGCTCG
TCAGGGGGGCGGAGCCTATGGA**AAAACGCCAGCAACGCGGCCTTTTTACGGTTCTTGCCCTTTTGCTGGCCTTTTGCTCACATGTTCTT**
TCCTGCGTTATCCCTGATTCTGTGGATAACCGTATTACCGCCATGCAT