

SUPPLEMENTAL DNA SEQUENCES

Sequences of synthetic *m8* and *Su(H)* UAS constructs

DNA sequence is followed by protein sequence for each construct. For DNA; EcoRI and XbaI cloning sites underlined, start-ATG underlined-bold and mutated bases green. For protein; FLAG-tag blue-bold; HA-tag purple, bold; spacer red-bold; mutated “Ck2” amino acids green; mutated “deg” amino acids magenta; and Vp16 domain yellow.

m8-FLAG

gaattcaacaaaa**ATG**GCCGACTACAAGGACGACGACGACAAGGGCCCCCCCCGGGCATGGAGTACA
CCACCAAGACCCAGATCTACCAGAAGGTGAAGAAGCCCATGCTGGAGCGCCAGCGCCGCG
CCCGCATGAACAAGTGCCTGGACAACCTGAAGACCCTGGTGGCCGAGCTGCGCGGGCGACGA
CGGCATCCTGCGCATGGACAAGGCCGAGATGCTGGAGTCCGCCGTGATCTTCATGCGCCAG
CAGAAGACCCCCAAGAAGGTGGCCCAGGAGGAGCAGTCCCTGCCCTGGACTCCTTCAAGA
ACGGCTACATGAACGCCGTGAACGAGGTGTCCCGCGTGATGGCCTCCACCCCCGGCATGTC
CGTGGACCTGGGCAAGTCCGTGATGACCCACCTGGGCCGCGTGTACAAGAACCTGCAGCAG
TTCCACGAGGCCAGTCCGCCGCCGACTTCATCCAGAACTCCATGGACTGCTCCTCCATGGA
CAAGGCCCCCCCTGTCCCCCGCCTCCTCCGGCTACCACTCCGACTGCGACTCCCCCGCCCCCT
CCCCCAGCCCATGCAGCAGCCCCTGTGGCGCCCCCTGGtgataatagtctaga

MADYKDDDDK**GPPG**MEYTTKTQIYQKVKKPLMLERQRRARMNKCLDNLKTLVAELRG
DDGILRMDKAEMLESAVIFMRQQKTPKKVAQEEQSLPLDSFKNGYMNNAVNEVSRVMAS
TPGMSVDLKGKSVMTHLGRVYKNLQFHEAQSAADFIQNSMDCSSMDKAPLSPASSGYH
SDCDSPAPSPQPMQQPLWRPW

m8^{Ck2}-FLAG

gaattcaacaaaa**ATG**GCCGACTACAAGGACGACGACGACAAGGGCCCCCCCCGGGCATGGAG
TACACCACCAAGACCCAGATCTACCAGAAGGTGAAGAAGCCCATGCTGGAGCGCCA
GCGCCGCGCCCCGCATGAACAAGTGCCTGGACAACCTGAAGACCCTGGTGGCCGAGC
TGCGCGGGCAGCAGGCATCCTGCGCATGGACAAGGCCGAGATGCTGGAGTCCGCC
GTGATCTTCATGCGCCAGCAGAAGACCCCCAAGAAGGTGGCCCAGGAGGAGCAGTC
CCTGCCCTGGACTCCTTCAAGAACGGCTACATGAACGCCGTGAACGAGGTGTCCCG
CGTGTGGCCTCCACCCCCGGCATGTCCGTGGACCTGGGCAAGTCCGTGATGACCCA
CCTGGGCCGCGTGTACAAGAACCTGCAGCAGTTCCACGAGGCCAGTCCGCCGCCGA

CTTCATCCAGAACTCCATGGACTGCTCCTCCATGGACAAGGCCCCCCTG^gCCCCCGCC
TCC^gCCGGCTACCAC^gCCGACTGCGACTCCCCCGCCCCCTCCCCCAGCCCATGCAGC
AGCCCCTGTGGCGCCCTGGtataatagctaga

MADYKDDDDK^gPPGMEYTTKTQIYQKVKKPKMLERQRRARMNKCLDNLKTLVAELRG
DDGILRMDKAEMLESAVIFMRQKTPKKVAQEEQSLPLDSFKNGYMNNAVNEVSRVMAS
TPGMSVDLGKSVMTHLGRVYKNLQFHEAQSAADFIQNSMDCSSMDKAPLA^gPAS^gAGY
HA^gDCDSPAPSPQMQLWRPW

Su(H)-FLAG-HA

gaattcaacaaa^ATGGCCGACTACAAGGACGACGACGACAAGGGCCCCCCCCGGGCATGAAGTCCT
ACTCCAGTTCAACCTGAACGCCGCCGCCCCCCCCGCCATCGCCTACGAGACCACCGTGGT
GAACCCCAACGGCTCCCCCTGGACCCCCACCAGCAGCAGCAGCAGCAGTCCCAGGACATG
CCCCACTTCGGCCTGCCCGGCCCCAGCCCCCTCCTCCCAGCAGCAGCAGCAGCAGTGC
AGGTGCACCACCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCACCAGC
AGCAGATGCAGATGTCCCTGCTGCCCGGCCCTACCGCCCCACATCGAGGAGAAGAAGCT
GACCCGCGACGCCATGGAGAAGTACATGCGCGAGCGCAACGACATGGTGTATCGTGTATCCTG
CACGCCAAGGTGGCCAGAAGTCCTACGGCAACGAGAAGCGCTTCTTCTGCCCCCCCCCCT
GCATCTACCTGTTCGGCTCCGGCTGGCGCCCGCTACGAGGAGATGCTGCAGCAGGGCGA
GGGCGAGCAGGGCGCCAGCTGTGCGCCTTCATCGGCATCGGCTCCTCCGACCAGGACATG
CAGCAGCTGGACCTGAACGGCAAGCAGTACTGCGCCGCCAAGACCCTGTTCATCTCCGACT
CCGACAAGCGCAAGCACTTCATGCTGTCCGTGAAGATGTTCTACGGCAACGGCCACGACAT
CGGCGTGTTCAACTCCAAGCGCATCAAGGTGATCTCCAAGCCCTCCAAGAAGAAGCAGTCC
CTGAAGAACGCCGACCTGTGCATCGCCTCCGGCACCACGTGGCCCTGTTCAACCGCCTGC
GCTCCCAGACCGTGTCCACCCGCTACCTGCACGTGGAGAACGGCCACTTCCACGCCTCCTCC
ACCCAGTGGGGCGCCTTACCACCTACCTGCTGGACGACAACGAGTCCGAGTCCGAGGAGT
TCCAGGTGCGCGACGGCTACATCCACTACGGCGCCACCGTGAAGCTGGTGTGCTCCGTGAC
CGGCATGGCCCTGCCCCGCTGATCATCCGCAAGGTGGACAAGCAGATGGCCCTGCTGGAG
GCCGACGACCCCGTGTCCAGCTGCACAAGTGCGCCTTCTACATGAAGGACACCGACCGCA
TGTACCTGTGCCTGTCCAGGAGAAGATCATCCAGTTCAGGCCACCCCCTGCCCCAAGGA
GCCAACAAGGAGATGATCAACGACGGCGCCTGCTGGACCATCATCTCCACCGACAAGGCC
GAGTACCAGTTCTACGAGGGCATGGGCCCGTGGCCTCCCCCGTGACCCCGTGGCCATCGT
GAACTCCCTGAACCTGAACGGCGGCGGACGTGGCCATGCTGGAGCTGTCCGGCGACAAC
TTCACCCCCCCACCTGCAGGTGTGGTTCGGCGACGTGGAGGCCGAGACCATGTACCGCTGCA
CCGAGACCCTGCTGTGCGTGGTGCCGAGATCTCCAGTTCGCGGGCAGTGGCTGTGGGT
GCGCCAGCCCACCCAGGTGCCATCTCCCTGGTGCACGACGGCATCATCTACGCCACC
GGCCTGACCTTACCTACCCCCGAGCCCGCCCCGCCCCACTGCAACACCCAGGCCG
AGGACGTGATGCGCGCCCGCAGAACAACAACAACAACAACATCACCTCCATCTCCAACAA
CAACAACCTCCAACAACGCCGGCTCCCCCGCCGCGGCGGGCCTGCAGCAGCAGCAGCAG

CAGCACCAGGCCCTGCCCTCCATCTCCGAGGTGCAGTGGA ACTCCCACGGCTCCGGCCTGTC
CGGCCCCCCCCGGCTACCCCTACGACGTGCCCGACTACGCCtgataatagtctaga

MADYKDDDDK**GPPG**MKSYSQFNLNAAAPPAIAYETT VVNPNGSPLDPHQQQQQS QD
MPHFGLPGPQPPSSQQQQQLQVHHQQQQQQQQQQQQHQQQM QMSLLPGPYRPHI
EEKLTRDAMEKYM RERNDMVIVILHAKVAQKSYGNEKRFFC P P P C I Y L F G S G W R R R Y
EEMLQQGEGEQGAQLCAFIGIGSSDQDMQQLDLNGKQYCAAKTLFISDS DKRKHFMLS
VKMFYGNHGDIGVFNSKRIKVISKPSKKKQSLKNADLCIASGTNVALFNRLRSQTVSTRY
LHVENGHFHASSTQWGAFTIHLDDNESESEEFQVRDGYIHYGATVKLVCSVTGMALPR
LIIRKVDKQMALLEADDPVSQLHKCAFYMKDTRMYLCLSQEKIIQFQATPCPKENKE
MINDGACWTIISTDKAEYQFYEGMGPV ASPVTPVPIVNSLNLNGGGDVAMLELSGDNFT
PHLQVWFGDVEAETMYRCTETLLCVVPEISQFRGEWLWVRQPTQVPISLVRNDGIYAT
GLTFTYTPEPGPRPHCNTQAEDVMRARQNNNNNNNITSISNNNNSNNAGSPAAGGGLQQQ
QQHQALPSISEVQWNSHGSGLS**GPPG****YPYDVPDYA**