

>Cel unc-47

ATCCCGGAACAGTCGAAAAGTCGGTGGCAAGCGCCGAACTGCTGACGGTCTAACCGGGGCACAAATCAGGGGTGAGCGGCAAAAC
GATTTTTCCGGCAAAATCGGC AAAATCGGC AAAATGCCAATATTGAAATACCCGGCAAAATCGGTAAATAGCCGGAATTGAAAAATT
TCCGGCAAACTGGTAAACCGCAAAATTGCTGATTTGCCGAAATTTGCCGGGAAGACGGCAATTGCCAAACATATTCGGCAAAATTG
TGGTTTTGCACTTTTTTGAAAAATTCAGAAATTTCAATCGGC AAAATTTGTGCACATCCTATGAATTTTCTACATCTATTTTGAAA
AGTAAGCAAAATTCATGAAAAATATCTAAAGAAAAATGGAAAAAATTTTCAAAAAGGCACAGTTTTAAGTGTTTCCGTCTAATA
AAAAATCCCCCTAAACACTTCCGGCAAAATGATGTTCCGGCAAAATGGCAAAATCGGAACTTGCCGAAAAATTACAGTTTCCGGT
AAATCGGC AAAACCGGC AAACTGCC TGAATTGAAAAGTTCCGTCAAATCGGC AAAACCGACAACACCCCTGGCACAAATGATGGA
CATACTGAGGCAATTTGCCGGTTTTCCAATTGCAGGAAAATTTTCAATTTCCGGCAGTGTGCCGATTTGCCGGAAAATTTTAATTC
AGGCAAAATTGCCGATTTCCCGATTTCCCGATTTGCCGGAAAAAATCGTTTGCCGCCACCCCTGGGTCTGAACCTTGATTGTT
ACAAAAACATTTTTAGCTCTTTGGAGAAAATAAAATGAATCTCGTAAAAATTTAATTGACGAGGACGATATTAGCTGTCTCTTTAG
ACCAAATTCAGAAAAAAAAGAAAGAATACTTCCCAAATTTCCGGTCCCTCTCTCGTTTTTTTTTGCCAATAAACTCACTATAGTC
GCTGGTTCCCCCTATTACATTTTATTCTACCAATCCATCAGTGGAAACCAGAAAAAAGAAGAGCCTTTCCGTTTGGAGAGTAG
GGTCTAATAATCCCCCGTGCTCTTCAAATCATTGTGCCAACACACAGACACACTTTATGTGTGCTCACACACA **CACGC** TATTT
GAAGAGCGAAGACGACGACGACGACGATTAGAGCTCTTTTCCACGAAAATTTGCTCCATCTTTCCACAATCTGTCTTTCCTGTGA
GACGACAGCGTCACATTTATTTTATTACAG

>Chr unc-47

GGGATTTCGGAGAACAGTAACTCAAAAAGCTCGAAATATGATTCTTCAACTTTTTCAAAGTTTTCTTTTGATATACACAGGTAGAGG
GGCATTAAACTGCTAAATGACAGCCAAAAGAGGAGCAAAAATGGCGAATGACTGCTAGTTGGAAGCCGAAGGAGGACCGATAGAC
TGTC AACGGACTGTGGACGGACAACCGGAACCTCTTGAAAAACCGACTTGAAAAGTTTTGATTGAAAAATCATCCAGAAAAAGATT
ATGTTATGCTTCCACTAGATTATTTCTGATGATAGAACTACTTTTTCTCACATAAGACAACCTCAAAAAGTATATTGTTGAAC
GACGGCTTGGTGACAGTCGAAAGGCACTGACTAGTCGATTACCGGTGGTTGGTGGACCAAATTTCTGGAGAATGGAACATTTT
GTCAAAAATTACTTTTGGAATTATCACACTATAAAAGTCAAAGAGGACTCTGGGAATCTTCAAAAATTTATTATTAGAAGTATG
CGGACAAAAATGACCCATTTATATTTCAGAAGAAATCTCGAAAACGTTTTTTTTTTGAAAACCAAGAGAAGAATGCGCCTGAAC
AGTGATGCTTATCGAGGTAATATAAAGACTTCAGGACTTAACAATAAAACAAATGCGTCCAGGAATTTTGAAGCGGGTCTAG
CCAATGTTTTTTTTCTTTTTCAAAAATCCCTTTCTGTGAAAAATGATGCCGTGAGATGAAGTCCCAAATTTAGAAAAGTTTCAA
ACATTGAAACAACACATTTGAGGAATAGGCTCTTCTTATTTTAGTAGCCAAGCAACAAACGAATTTCCATGCAACCCATCCGT
AGACATCAAAAACGATGCTCATCTCACAGTCGTCACGTTTTTCTGAGAATGAAGAGAAAACAAAAAAGGGGTGGAAAAGAAATCG
AATAGGAAAATAGGGGATTACTCAATTCCAATCCCAACCGAATCTCATTTCAAAAAACTCTCAACCAACTAATCCCACATTGCC
TCGAGATTCTTTTTTCTGTAATGTGTTTCTGAATGGACTGTAAGATTGATGTTCTCATTTTCTTTTCTCTAAAAAACAGCC
TTCAAATTTCCGGAGCACAAAGTCCCTCAACCCCAATAGGTTGCTCCTTTCTCTTTTCTTATTCTCACTCATCCATCA
GGGAACCAAAAAGAAAACGAATAAGAAGAAGAGTCTTCGGAGAAGAGCGTCTAATAATCCCTGCTTCAAATCATTGTGCCAAC
ACAGACACACTTTATGGGCCAGAAC **CACGC** TATTTGAAGAGCAACGACGACGATGACGAGCGCCCAAGAGGTCTCCAGAGCTC
TTTTCACAAATCTCTTCTTTTCAAAAACCGGTGGTTCTTTCAAGTTTGTGTTTCTTACAGAC

Figure S4. *C. elegans* and *C. briggsae* promoters have a single AHR-1 core consensus motif.

Sequences of the *C. elegans* and *C. briggsae* promoters of *unc-47*. A single, conserved AHR-1 core consensus motif (highlighted in red) is present in both promoters.