

A

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Dmel ACTTTTTGAATGATCACATGTGCTCCGATTTTCGTGTCAGTCTTGAATTTAGCATACGACCGGAAGGCTTCTGACAAAATCAGTCTA
Dsim ACTTTTTGAACGATCACATGTGCTCCGATTTTCGTGTCAGTATAGAATTTATTATACGACCGGACGGCTTCTGACAAAATCAGTCTA
Dsec ACTTTTTAAACGATCACATGTGCTCCGATTTTGTGCCAGTCTTGAATTTAGCATACGACCGGAAGGCTTCTGACAAAATCAGTCTA
Dyak ACTTTTTAATCATCACATGTGCCACGATTTTGTGTCAGTTTCGAATTTGGCATAACGACCTGAAGGCTTCTGATGAAATCAGTCTA
Dere ACTTTTTAAATGATCACATGTGCTACGATTTTCGTGTCAGTCTTCAATTTAGCATACGATCCGAGGGCTTCCAATGAAATCAGTCTA

      ▲
Dmel GCTGGAGCCTTGCTACCGTTCATACCAGTTTCTTTTCGGAATATTTTCATCTAAATTCAGTGCGTTTTTCCT-AAAAATTTTCCAAA
Dsim GCTGGAGCCCTGCTACCGTTCAGACCAGTTTCTTTTCGGAATATTTTCATCTAAATTCAGTGCGTTTTTCCT-AAAAATTTTCCAAA
Dsec GCTGGAGCCTTGCTACCGTTCAGACCAGTTTCTTTTCGGAATATTTTCATCTAAATTCAGTGCGTTTTTCCT-AAAAATTTTCCAAA
Dyak GCTGGAGCCTTGCTACCGTTCGGACCAGATTCTTTTCGGAATATTTTCATCTAAATTCAGTGCGTTTTTCTTAAATTTTCCAAA
Dere GCTGGGTCTTGCTACCGTTCAGACCAGTTTCTTTTCGGAATATTTTCATCTAAATTCAGTGCGTTTTTCTTAAATTTTCCAAA
      L→                                     ▲

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B

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Dmel TGAAGGCGTTTGAAAGCTTGTTTTATTTTCTTAAC TGCCTGTTGGCAAT TTATAATACAACAAAAA-TTAGTAAATACATGGCTA CATATCGATT
Dsim TGAAGGCGCTTAAAGGCTTGTTTTATTTTCTTAAC TGCCTGTTGGCAAT TTATAATACAAAAA---TAAGTAAATACATGGCTA CATATCGATT
Dsec TGAAGGCGCTTAAAGCTTGTTTTATTTTCTTAAC TGCCTGTTGGCAAT TTATAATACAAAAAATATGTAAATACATGGCTA CATATCGATT
Dyak TGAAGGCGTTT-AAGCTTGTTAATTTTTC--AA-TGCCTGTTGGCAAT ATATTATATAAAAAA-CAA-AGTAAATACATGGCTA AATATC-ATTC
Dere TGAATGCGTTTAAAGCTTGTTAATTTTCAAAGC TGCCTGTTGGCAAT TTCTTATATAAAAAATACAA-AGTAAATACATGGCTA AATATC-ATTC

      ▲                                     ▲

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Figure S1. (A) Alignment of the *ocn* 5' flanking and 5' UTR sequences of *D. melanogaster*, *D. simulans*, *D. sechellia*, *D. yakuba*, and *D. erecta*. The arrowheads indicate the boundaries of the *ocn* promoter sequence included in our expression constructs. The transcriptional start site is indicated by an arrow. (B) Alignment of the *ocn* 3' UTR sequences of *D. melanogaster*, *D. simulans*, *D. sechellia*, *D. yakuba*, and *D. erecta*. The two conserved regions are shaded. The arrowheads indicate the boundaries of the 3' UTR sequence included in our expression construct.