

Figure S1.

**A**

*unc-32* intron 6

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GTGAGAGATTAATATTCATTCA-----AAGTTTCGATGACATGG-----AAGGTGTAGAGG--AGACGATC-----TA-----GACTGCGCAATACITTTCTTTAATAATCATTCAATTA-TCC-----AAACTTTAG C.briggsae
GTGAGC--TTAATCGTCCCATGCTTTTCAGTCTTTTCGATGAC-TCGATGTT--GATGAATTCGAGAGAGACGATGTTTCACATG--AG-GATCAATA-----AAAACAAAGCGAATBAATTTT-TCT-----AATTTAG C.elegans
GTGAGTA--TAATA-TTCTTTTGT-----GAATTCGATGACATGCTGATCAGGAAGAT--GAA-AGATGA-C--ZAGATGTTACCGATCAATAC-----AAT-AATCATTAAATCCAAAATCCTTTCTTTAG C.remanei
    
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U1 M5: GATGAC > aATaAC U2AF

*unc-32* intron 7a

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GTGAGATATT-TTCATAGG-----CGABAS--AGCACGC-CCC-CGC--AC--CGTT-----TT-----TSA-ATCGTTHGT-----CCCTTTAA--T-- C.briggsae
GTGAGCATAATTATAAGAAAATGTTTA--AATTAGCACGCACCCGCC-TTC-TACTGTC-CGTACTTTTCTTTGTTGTGTAATTTTATTTATTTGTTGAGAAGATCGACTTTTAAAATAAATT C.elegans
GTGAGATATT-TTATAA-----TTATA--AGCACGCACCC-CATTCAAT--CGTT-----TTTGTGCAT-TTAATAATGCTCTGCT-----TCTTTTAA--TAGT- C.remanei
    
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U1 M4: AGCACGC > AGtAtGt

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-----TTT--AA-----TTT----- C.briggsae
TTGGAGAACATT-TTGCTTCATTCAAAAATTTAAATTTT-CACGAAGTTT-TGAATCGCAAGGCCATCAACA-TCTGAAAATGCTCCTCGTCAAA-TTACCAGATTTA-TTAAACCAGACGGGAAA C.elegans
--GG-----TG-----ACTTT--TTT-----GAGTCTT-----CAGAG-----AATGC-----GATCT-----TCT-----GA----- C.remanei
    
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-----ACA-----TSTTCTG-- C.briggsae
TTTTTGCTCCAAAAGTATGTAACCGGTCTCGACACGACATTTTTTGTATAATGCAAACGTTAAAGAGTACTGTAGCTTCAAAATTTTCAGAAATTCACATTTTTATTTTAAACCTACCATAAAA C.elegans
-----TCCGA--GCACGG-----ZACACAAATATT-----CTTC-----TCGGAA-----AACTTGT-TA----- C.remanei
    
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-----G-T-CCTGTCA-----ATTTC-----A----- C.briggsae
ACACTATATAACAATAATTCACCAAAAACAAAACACTACAGTACTCTTTTATGCGCACACAATTTTGGATTTTACACAAATTTGTCGCGT-CGAGACGGGTACCGTATTTTAGCGCAAATTTTGT C.elegans
-----AT-----GGC-CCTTTTAT-----TACTTT-----AATCTG-----AIT-----AACG----- C.remanei
    
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-----GTAGTCG--T-----FTGGTGAT--TTTTSATTCAATTCGGATCCCTAGAATCCCCATTGGGCCTAACA C.briggsae
GACTGGGTCAATATCACGTCAATATTATTAATAACACATCAATAATAATTAATAATACGTGGGAATATGGTGGTGATAGTTT-----AT-----ATCC-TA-----TGGCTT----- C.elegans
-----TGGG-----AATACTGATT--T-----FTGGTGATAGTTTATGTT-----GAACCC-----ATCCCCGTG----- C.remanei
    
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M3: TTGGTGAT > TTcTcAT

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CTGGTAAAGGTTCTGATTATTATGCGCATGTTTTTTTTATCG-TAT-CGTCAGTGTACATCTC-T-----TCTTTAAACCTCTCC--GGCCAG-----CGTCCTCT--GATTTGGATTC C.briggsae
-----GTC-----TTAT--TCG-GCATG-----TTGTAATATTCGTCGTTGTGTCATGATCATC-TCTTCGATCTC-----ATCAACACCTCTTTCAACACGGATC- C.elegans
-----GCGATGATTAT--CG-TATTCGTCGTTGTACATCTC-TCATCATCTTCACTCTTCTCCAGCAAGATCGACCTCTC-----TGGATTC- C.remanei
    
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GGATTCTGAGCCAGCCGACCCAGCAAT-----GATTCAG C.briggsae
G---GCTSAAACCAA-CGAATCATAAAATSCAGCAAGCATGTTCCAG C.elegans
GCATGCT-----TCGACCAAGATGAATTC--CGA--TTTCTTCAG C.remanei
    
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U2AF

**B**

