

Microsatellite repeat instability fuels evolution of embryonic enhancers in Hawaiian *Drosophila*

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TTGTAATGTGAGAAATTTAAATTAGGTAGCCGCAAAATGCGGCTCAGATGGTTGAACAATGACTACGAAATCTCAAG  
CGGAAGATGCCCGAAGAATACAACAACACA CA AAAATTATGAAAAAGAGTAAAAATGTTT CAACAACAATATATGT  
GTTGTTGTTGTTGTTGTTGTT
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>lcl_6209 SuH_block_type_SFf intron
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TAAAGTATTACAGAACCACGGGGACCGCTGAGGTCGCCCACGCGCCATTTGTGGCGAACGTGAACTTTGCGCGCCAA  
CTGTATCTAGAAAATAGTATATATGTGTGATATATATTTGTACATAGATATACACACACACACATACATCTTTCCAT  
ATCAGTTTTCTCAGCTCA CAATATGGTTTTTTT CAACAGGTAAAATGC CAGCCAAGATT TTGCCGTTTTTTGGGCGCC  
AGAAGGTTTTCTGTTGCTGCGATTTTTCGCTTACATGACAAGCGCCCGTTTGGCCCTTTTCATTTGTTGTTGTTT  
CTGTTGTTGCTGTTGTTGTT
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>lcl_8168 SuH_block_type_SFf intron and exon (vnd) (longest repeat in exon)
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GACAGCTGACCACTACCTGGTTGGGATGCTCGTCTTCGTTTGGCC CAGGCTAGCACTAGCAGTAAACGTTAAGCATT  
TTTTAGCCACATGTTGGCGCAAGTAAAAAGCGTTC TTGCTTCCGTTTTTCCATGCTGAATTTTCCCAATGTGCGC  
GCGAAATTTCCACGCGCTCAGGTCCACATCAGGACGCGGGGCAATCCCCGCATATCTGAGCGGAATTCCTTTGCAC  
TCGTCCAACTTCGGCGCAGACAGTGTGTGCGCGTTTTCGCTC TTGTGTTGTTGCTGTTGTTGTTGTTGTTGTTGTT  
TCTCGTGTCTGCTGCACACA
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>lcl_8914 SuH_block_type_SFf intron
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TATTGCTGTTGTTGTGATGGGTGTGTCTGTGTATGTATGTGTGTATTTGTGTGTGTGTGTGTGTGTGCTTGTGTG  
TGAGAGAAATATGAGTCTACTCAATGGAGGTCGTTGCTATTCTCCCTGCTTAGCATAAGGCAATTTCCATTGTTCTT  
GTATCATGTGAGAAAACGTGTGCATTCTTAAGGTACCTTCAAATTTTGTAAATTATAAACATTAAGTGAGTCTGTGT  
ATGTGTGTGAGTGTGTGTGTGTGCAATGGGGCCTATTAGAAGTAGGTAACCATGAGTAAGATTACTTCTATGAAAAC  
ATACAATTTGTGTCATTAGG
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>lcl_9220 SuH_block_type_SSSFf intron and exon (pnt) (one repeat in exon)
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CGCAAAAGAAGTTGAGTAAAAAATTAATGAAATGAAATCAGTGCTTAAAGATTGAGGGGAGACAAGAGCCCCAGCA  
GCAGCAGCAGCAGCTTGAGAATTTAGCCCAAAAATACCAAAAAAAAAAAGGCACACA AAAAAGGGAAACCAAGAAATA  
TTCGTATTTCCACGACTCATGGAGCCAGACGC CAACGCGACGAGTCC TTGATCGAGGCA TTGAAATGTACGAGTACC  
TCGGTAAGTGATAGTTGCTCTCAGATTAAATCGTCTGCATTTCGCAATGATTTCGCACA TTGGCCAGCAAGTCGAGCAT  
ACCGCAAACCGGCATGCAGGGTATTACCTCTTCGACAAATTCAGTCTCTTAAAGAGCCCTTTTCTTTT TGGGG  
GGATTAGCAGGTAAGCCGAAAGGCAGCCTCA TTGTGTACCGCTCACAGGATCCG CAGAGACGACGAGTGTGTCTT  
TGTAAATTCGAGTCGAACATTCATTTTTTCGGTTTTTATTTTCATCTTTGCCTAAAA CA AATATGAGCATATATATT  
AAAAACAAGATGTATGAAAATGCTCGCCAAAAGAATTTCAAGTTCAAGTGCCTGGGAATTTTGTAGTTCTGCGAAT  
TTTTATGGTCTGTAGAATATCATAATGGGGATTGATGGTCAATTGTACGTCTATTAATGTATAAATATAAATTTGAAT  
TTAAATTTCTTGATACCTTCA CAACATTTTCTTA TTGAATTAATATAAAAAATAAATCCCTTGAGCATAATTAATTA  
GTAATGTGTATATAAAGGA CAATATCACACGGCTCAGGTGCAGCATTTTTTCGTTTTCTCTGTGGCTGCTACCCTCA  
TCAAAATGGCAATTAATTATATCATTTTTTTTGAATGATTGCTTTCTACTCCAAATATTCGAAACGTTTCGTA TTGGGC  
TCGATCGTTTTCACCCCTGT TTGCGGGGCACGCACGGGCGATCCTCTCTGAATCTTGCAGCATGCAACATGTGAGAA  
ACAAACACA CAATCGCGCACACACACATATATGCACACTCACACACACACACACA CAGGTTTCGCAAGACGGG  
CATAACA AATTTAAGTGTTGAGTGTGTAATTTTATATTTCCGGTGTAGTAAGTTTCATACGACA AACTCAGCTCTTTG  
CCTGGG
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>lcl_9335 SuH_block_type_SFf intron and exon (CG1499_RA or CG1499-RB) (repeat NOT in exon)
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ATTTATGCGCCTGGGTC TTGTGGCCACCATGAACTAGA AACTCAGTAA TTGAATGAATGAGCCGACCAGGTA AAAATTA  
TTGAATTTTCTTTGGCACA CA AAA CAGGCAGCTGCATAAAACGA CAGCAGCATCAGCAGCATCAGCAGCAGCAACTG  
TTGAAATTTCTCACACTTTCTAACTCACCTGGCAATTTATCGGCGGTCTGTTGAAACAGCACACAAGCCGGTTTCA  
TAGTTGACAGAGCTACAGGATTCGTTGCTCTGACAGGCCTCAAGCAGTCCGTAAGCATCAGAGTACCCGGCAATGT  
ATC CAACATTTTGTGAGGGCG
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