

Rainbow trout, classified as *abhd5* by BLAST search

GTGAAGAATGGCTGACCAAGCGGTGACTACTGAGAGAGGACTGGCTCAGCGAATACTGAT
 GTTCTTGGTATTTCATAGTCTTTTCTACAATTTGTTGAGTATCCTGGACAGAACGTTGAG
 GTCCTGGACTTCCACGGCATGGATCACCAGCTGGCTGCCCTCCTGGTGCCCCACCTCCCA
 GAACCAGCTCAAGACTGCAGAGGAGAAGATGCTGCAATGCATCACAGGCAAGGTGTCCCA
 GCAGTATGTCCCAATCTCGGATGGTAACATGCTGTGGACCOCTCACATTGAATGGAAACAT
 GAAGAACCAGACTCCCCTGGTGCTGCTGCATGGCTTCGGTGGAGGGGTGGGCTGTGGGC
 CCTCAACCTAGACGCOCTGGCCCAACAGAGGCCCGTCTATGCOCTTGAOCTGCTGGGCTT
 CGGCCAGAGCAGCAGGCCCTACTTCAGCTCCGACGCCAAGGAGGCTGAGGCCAGTTTGT
 GGACTCCATCGAGCAGTGGAGGGCTAAAGTCGGCOCTGGAAGCCATGGTTCATGCTGGGACA
 TAATTTGGAGGTTATTTGGCAGCTGCTTATTTCGCTCAAGTATCCCACCAGGGTGCAACA
 TATGTTGCTGGTTGAGCCGTGGGGCTTACCTGAGCGTCCAGACACAGAAGACCAGGACAG
 GCCCACCOCGTGTGGATCAAAGCCOCTGGGAGCCATGTTGAGCCOCTTCAACCCOCTGGC
 AGGGCTACGACTGGTGGGGCCACTGGGTCCACACTTGTTCAGCTCTAAGACCAGACTT
 CAAGAAGAATACTTGTCCATGTTCAACGACGATACGGTCACAGAGTATATCTATCACCT
 GAATGTCCAGACTCCAGTGGTGAGACAGCCTTCAAGAACATGACCATCCCATACGGGTG
 GGCCAAAGAGGCCTATGCTGCAGAGGATTGGCCTGCTCCATGCTGACATCCOCTATTACTGT
 GATATATGGGTACGCTCCAGCATCGACGGTAACTCGGGCAACGCTATCAAAGAATGAG
 GCCAAACTCICATGTGGAGATCATAGCTATCAGAGGAGCGGGCCACTACGTCTATGCTGA
 CCAGCCAGAGGACTTCAACCACAGAGTGCCTCAGGTGTGTGACCGCTGGGCATGGGG
 GGGGTGGGCACTAGTTAACCTGCGGAGAGTGAATGCTACACCTGTCAATGCCAGAGCT
 TGCTCTCTCAAGTGCATGTGATCTGTGAGGATAGAGAGGACTGGGCATACAGCTCAATA
 GGGCTTTATTTTACCTCGATCATCCTCACTTTAGGTCTCAGTAGTAGACCTACCACCAC
 CAGCACAGCAGACCTGCTAACTAGGGAAGGACCCOCTGTGAAAAGATGATTCTCCTGGA
 TTGGTTGGTTTGACACTTGTATTCTACTGACAAAAGAGAATGGCTCATAGTTGTTA
 CTGCTTGT

mfe: -23.8 kcal/mol
 position 1251
 abhd5 5' C CA G C 3'
 AGCU AUAG GCUUUUUUUUA
 UCGA UGUC CGAAGUAGAGU
 omy-miRNA-143 3' C A 5'

mfe: -23.0 kcal/mol
 position 426
 abhd5 5' A A GCCCUA G C 3'
 GAGC GCAG CUUCA CUC
 CUCG UGUC GAAGU GAG
 omy-miRNA-143 3' A AC A U 5'

mfe: -21.6 kcal/mol
 position 152
 abhd5 5' U CCUCCU CC C C 3'
 GGCUGC GGUGC CA CUC
 UCGAUG UCACG GU GAG
 omy-miRNA-143 3' C AA A U 5'

mfe: -20.2 kcal/mol
 position 1176
 abhd5 5' U CCU CAUGCCCAGA UG C G 3'
 GCUACA GU GCU UC UCUCA
 CGAUGU CA CGA AG AGAGU
 omy-miRNA-143 3' CU U 5'

mfe: -19.1 kcal/mol
 position 721
 abhd5 5' A ACUGGUGGGCCACU GGUCCCACACU G U 3'
 GGGCUACG G UGUUUCA CUC
 CUCGAUGU C ACGAAGU GAG
 omy-miRNA-143 3' A U 5'

Fig. S1. Predicted binding sites for omy-miR-143 on rainbow trout *abhd5*. The sequence for *omy-miR-143* was obtained from Salem et al. (Salem et al., 2010) and *abhd5* was retrieved from the trout database in the Gene Index project (<http://compbio.dfci.harvard.edu/tgi/>) under accession number TC114063. Predicted binding sites (six) are highlighted in purple; start and stop codon location, highlighted in green, was predicted by translation of the trout *abhd5* sequence into AA and comparison with the full protein sequence in zebrafish. Criteria and methods used for the identification of binding sites are explained in the main text.