

human AAAACAACCTTATTTGAAAACTACAAAAA-GTAATTCCATAGAGACTTGCCACTTGACTGA
 fugu ACTACTACACGTAAAAAAAAAAAAAAAAAATGTAATTCCGTGGAGACAGCCGGTGTGACTGA
 zebrafish -----TATTTATTTGATTGTTGTTGATTGA
 lamprey -----CCTTCCGGGCCCGGCCCTCCTGACTGA
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human CACCTGTCATCT-CATGATAAATGACTCCATTTTCTGCCTCT-CTTGCCTTCTGCCACT-
 fugu CACCTGTCAGCCGGATGATAAATGACTCCATTTTCTGCCTGT-GCTGCCTTCTGCCACCG
 zebrafish CAGCTGTCGTCCGCATGATGAATGTGTGTGTGTGTGAG-----CGTCTG-----
 lamprey TACCTGTCACCG-GATGATAAATGACTCAATTTGCTTTGTAATACCGCCTTCTGTCACT-
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human CCAGCAATGGTCATTTATCATCATCT-CTGTCAGCAATGGAAAGCAGCACTGACAGTGCA
 fugu GCAGCAGTGGCCATTTATCATCATCCGCTGTCAGCCGTGGAAAGCGGCAGTGACAGTGCG
 zebrafish -CAGCTCTGGTCATCCATCATCGTCTGCTGTCACACACATGAAACG-CGGCGACAGCGCC
 lamprey GTGGCCCTGGCCATTCATCATCATCC-CTGTCAGTGGCACAAAGTCGCCCTGACAGGGGA
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human AGTCAGCAAACATTTAGCACATGGAACCACGCA-ACACAGGAAATTATT-ATTGTCAGA
 fugu AGTCAGCAAACATTTAGCACACGTAGCCGCGCT-ACAAGGGAAATTATT-ATTGTCAGA
 zebrafish AGTCAGCAAACATTTAGCACAGCGAGCCGACG-GCAGACGGAAATTATT-ATTGTCAGA
 lamprey AGTTGGCAGCCAGTTACTGCACAACACTAGGCCGACACGGGGAAATCGCAGGATGTTAGC
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human ATAATAATG---GTTTAGCATAATTTATTACAGGTC-CACCAAATAAGCAAAGGCTAGA-
 fugu ATAATAATG---GTTTAGCATAATTTATTACAGGTC-CACCAAATAAGCAGGGGCTAGA-
 zebrafish ATAATAATG---CTTTAGCATAATTTATTACAGGTC-CGGCAAATACACTGCGGCTCCG-
 lamprey ATAATAATGGGGGCCCGAGTGATGCATTATCTGTCGCTGCCAATAAGCCGAGGCCAT
 ***** *

human -TGTTATTAGACAGATGGATGGGTAGGCTTGGCAGGCCTCCACCGAGACGCAGGCGG---
 fugu -TGTTATTAGACAGATGGATGGGAAGACTTGGCAGACATCCACTGAGACTCGGCCAGGCC
 zebrafish -TGCTATTAGACAGATGGAGAGGCCAGACCGGCAGAAACACACACACA-----
 lamprey CTGCAGCCGGGCAGATGGGCACACCAAAACGGGCAGGCTAGCGGAAGGGG-----
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