```
logo     ATACGCAATCTCTACTGATGCTTGGAATGTTCCTATTAAGTGGCAGAAGCACAAAGCGGGACATGAGGGTGGAGATGAGGCTGCACTTACCTCCCCGTCAAACAGCTCAATCTCTCCTCC
Proband  ATACGCAATCTCTACTGATGCTTGGAATGTTCCTATTAAGTGGCAGAAGCACAAAGCGGGACATGAGGGTGGAGATGAGGCTGCACTTACCTCCCCGTCAAACAGCTCAATCTCTCCTCC   120
RefSeq   ......                                                                                                                    0

logo     CTCCACCAGGATGGTGACCCGTTTCTTGCATTTCACTGAGGGGTGGCTGCATCCCTTATTCCCCACTAGGATCCGAAAGGTCCCAGGGTTACTGCCGCAGTAATCCTGGGGAAAGAGGAG
Proband  CTCCACCAGGATGGTGACCCGTTTCTTGCATTTCACTGAGGGGTGGCTGCATCCCTTATTCCCCACTAGGATCCGAAAGGTCCCAGGGTTACTGCCGCAGTAATCCTGGGGAAAGAGGAG   240
RefSeq   ......                                                                                                                    0

logo     TGCCAGGAGAAGACCATTATCCCCACTGGCCAACTTCTATCGCCAGGATTACTGCGGCTGTCACCCTGGGACCTTTCGGATCCTAGTGTGGAACAAAGGATGCATGCCCCCTCACTGAA
Proband  TGCCAGGAGAAGACCATTATCCCCACTGGCCAACTTCTATCGCCAGGATTAC.GCGGCTGTCACCCTGGGACCTTTCGGATCC.AGTGTGGAACAAAGGATGCATGC.CCCCTCACTGAA   357
RefSeq   .........................................GATTACTGCGGCAGTAACCCTGGGACCTTTCGGATCCTAGTGGGGAATAAGGGATGCAGCCACCCCTCAGTGAA   74

logo     TTGCAGGAACGGGTCACCATCCTGGTGGACGGAGGAGAGATTGAGCTATTTGACAGGGAGGTCAGTGCAACTCATCTCCCCTCAGATCCGCTTTGCTTCTTCCACTTAAGAGGAACATT
Proband  TTGCAGGAA.CGGGTCAC.ATCC.GGTGGACGGAGGAGAGATTGAGCTATTTGACAGGAAGGTCAGTGCAACTCATCTCCCCTCAGATCCGCTTTGCTTCTTCCACTTAAGAGGAACATT   474
RefSeq   ATGCAAGAAACGGGTCACCATCCTGGTGGAGGGAGGAGAGATTGAGCTGTTTGACGGGGAG.......................................................   135

logo     TTCCCGCATCATTAGGTTGTGAGGATGGAATAACGCAAGCCTTAAGAGGAAACTT
Proband  TTCCCGCATCATTAGGTTGTGAGGATGGAATAACGCAAGCCTTAAGAGGAAACTT   529
RefSeq   ......................................................   135
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X̄ non conserved
X ≥ 50% conserved