logo Proband pri	TTCGTATCGATGCAGTTA&AZACTTCZTTAGTGACCTGGTGGTTGCTGCTTCTTGGCATGGCCCTGAGGCTGGTTGACAACAAAGATGAAAATGCCCAGACCAGTGATCACTTGGCACA TTCGTATCGATGCAGTTACAGACATCATTTAGTGACCTGGTGGTTGCTTCTTGGCATGGCCCTGAGGCTGGTTGACAACAAAGATGAAAATGCCCAGACCAGTGATCACTTGGCACA TTCGTATCGATGCAGTTAKATACTTCGATTAGTGACCTGGTGGTTGCTGCTTCTTGGCATGGCCCTGAGGCTGGTTGACAACAAAGATGAAAATGCCCAGACCAGTGATCACTTGGCACA	120
Proband sec RefSeq		120
logo	ACCCCAGGGCTCAGTACGCAGGAGGCGTAGGTAAGAGCCCCTGTGTCTTTGCTGCTGGCCTGTCCTTACTCTGTTTTTCTGCTTTTCCAGGGCT CAGGGCT CAGGGCCTAGGAGGCGCAGGAGGCGTAGGAAGGCAAGGCGAAGGCCAAGAGGCAAGGCGAAGGCCAAGAGAAGGCCAAGAGAGAAGGCAAAGGCCAAGAGAAGA	
Proband pri Proband sec RefSeq	ACCCCAGGGCTCAGTACGCAGGAGGCGTAGGTAAGAGCCCCTGTGTCTTTGCTGCTGGCCTGTCCTTACTCTGTTTTTTCTGCTTTTCCAGGGCTTCACTTACGTTCTGCATGAAGGCGA ACCCCAGGGCTCAGTACGCAGGAGGCGTAGGTAAGAGCCCCTGTGTCTTTTGCTGCTGCCTTACTCTTTTTTTT	240 240 29
logo	GTGCTGTGGAAGGTGCCTGCCATCTGCCTGTGAGGTGGTGACTGGCTCACCGCGGGGGGGACTCCCAGTCTTCCTGGAAGAGTGTAGGTCCAGGCCCCCGGGACGGGAGGGA	
Proband pri Proband sec RefSeq	GTGCTGTGGAAGGTGCCTGCCATCTGCCTGTGAGGTGGTGACTGGCTCACCGCGGGGGGACTCCCAGTCTTCCTGGAAGAGTGTAGGTCCAGGCCCCCGGGACGGGGAGGGGCAGATT GTGCTGTGGAAGGTGCCTGCCATCTGCCTGTGAGGTGGTGACTGGCTCACCGCGGGGGGACTCCCAGTCTTCCTGGAAGAGTGTAGGTCCAGGCCCCCGGGACGGGAGGGGCAGATT GTGCTGTGGAAGGTGCCTGCCATCTGCCTGTGAGGTGGTGACTGGCTCACCGCGGGGGGACTCCCAGTCTTCCTGGAAGAGT	360 360 111
logo	GGGGCCACTCCAGGGACCAGCGTTGACCTTGGTTTCATCTCATTCCCTGCCCTTTGCTTTCCCCCACTGGGCATTTCACCCAGCTGTTGGTGTTATCCAGCATGCCA&CA	
Proband pri	GGGGCCACTCCAGGGACCAGCGTTGACCTTGGTTTCATCTCATTCCCTGCCCTTTGCTTTCCCCACTGGGCATTTCACCCAGCTGTTGGTGTTATCCAGCATGCCAGCA GGGGCCACTCCAGGGACCAGCGTTGACCTTGGTTTCATCTCATTCCCTGCCCTTTGCTTTCCCCACTGGGCATTTCACCCAGCTGTTGGTGTTATCCAGCATGCCAAACA 469	

Proband pri Proband sec RefSeq

 \overline{X} non conserved $\overline{X} \geq 50\%$ conserved