logo	GAATGGACGTGGCTCAGGCAGCTGCTGGTCCCCGTGAGTGGGCAACTCTGAGTCTCTTGAATTTAGTCACAGACTCTAGGGGACCAAAGGACAGTGTGGAAGGTAGGT	
Proband RefSeq	GAATGGACGTGGCTCAGGCAGCTGCTGGTCCCCGTGAGTGGGCAACTCTGAGTCTCTTGAATTTAGTCACAGACTCTAGGGGGACCAAAGGACAGTGTGGAAGGTAGGT	120
logo	TCACTAATCATCTCTTTGCTTTTCCTACCTTCGAGGCAAAAGGAGCCTATCCTGTCGGCCCCCCATGGTCAAGCTGGTGTGTCCCGCTGACAACCTGCGGGCTGAAGGGCTCGAGTGTAC	
Proband RefSeq	TCACTAATCATCTCTTTGCTTTTCCTACCTTCGAGGCAAAAGGAGCCTATCCTGTCGGCCCCCCATGGTCAAGCTGGTGTCCCGCTGACAACCTGCGGGCTGAAGGGCTCGAGTGTAC	240 85
logo	CAAAACGTGCCAGAACTATGACCTGGAGTGCATGAGCATGGGCTGTGTCTCTGGCTGCCTCTGCCCCCGGGCATGGTGAGTCACCAGGCACAGAGCTGGTGCCTTCAGTTTTCT	
Proband RefSeq	CAAAACGTGCCAGAACTATGACCTGGAGTGCATGAGCATGGGCTGTCTCTGGCTGCCCCCCGGGCATGGTGAGTCACCAGGCACAGAGCTGTGCCTTCAGTTTTCT CAAAACGTGCCAGAACTATGACCTGGAGTGCATGAGCATGGGCTGTCTCTGGCTGCCCCCCGGGCATG	360 161
logo	TGTAGGCAGGGATGAGTGAGGGGGCTGTGCAGCCAGAGAGAG	
Proband RefSeq	TGTAGGCAGGGATGAGTGAGGGGGCTGTGCAGCCAGAGAGAG	

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