logo	CTCTGCCCAGAGATTAGACCCGAGTCTATTCTTGGCAGATGCATGTAGCACCAAGGCCATGCCAGGCCCTCGCCCAGCCCTCCCACTGCACACAAGGTGCCAGGTGCAGGGGGGCCTCGCCAGGCCTCCCACTGCACACAAGGTGCCAGGTGCAGGGGGGGG	400
Proband RefSeq	CICIGCCCAGAGAITAGACCCGAGICTATICTIGGCAGAIGCAIGTAGCACCCAAGGCCCTGCCCAGGCCCTGCCCACTGCACAAGGIGCCAGGATACCAGGIGCAGGGGG	120 0
logo	AGAGGGTGGGGATCTGCAGCCCCTCTCCGGAGCAGCACCTCTGCAGCACCAGGTCAGGAGCCTCTCGGGGGAGCGTCTCAAAGTCCTGGATGAGGATAGGGGGCATTGGGCCAGCCTGAT	
Proband RefSeq	AGAGGGTGGGGATCTGCAGCCCCTCTCCGGAGCACCACCTCTGCAGCACCAGGTCAGGAGCCTCTCGGGGGAGCGTCTCAAAGTCCTGGATGAGGGATAGGGGGCATTGGGCCAGCCTGAT AGAGGGTGGGGATCTGCAGCCCCTCTCCGGAGCACCAGGTCAGGAGCCTCTCGGGGGGAGCGTCTCAAAGTCCTGGATGAGGATAGGGGGCATTGGGCCAGCCTGAT	240 0
logo	CCTCTCEGGE LE LUCAGE TUCAGE LUCAGE LU	
Proband RefSeq	CCTCTCCAGCTCTTGCAACGTTGGCATTAGGGCCCACTCCAATGGGCACCACCTTGGATGTCTCCAGGCAGCCTCTTGATCTCATCAGAGGCAGGATTTTCCGGTGACCATGTAGACCAGATGATTCCTGCCAGATTTGCCGGGGTGCTGCTTGCTCGCCCTCATTTTGCCAGG	360 55
logo	GTTGGGCACCTGCTCCCGGTCACCCTGGCTGACCAAGAAGCTGTGGTCAGAGAGGGTACAGCAGGGCCCAGCCCAGTGTTGGCCGCCCTGGTAGCGGATCTCTCGCACCCGCTG	
Proband RefSeq	GTTGGGCACCTGCTCCCGGTCACCCTGGCTGACCAAGAAGCTGTGGTCAGAGAGGTACAGCAGGGCCAGCCCAGTGTTGGTCCTGTTGCCGCCCTGGTAGCGGATCTCTCGCACCCGCTG	480 55
logo	CAGGATGTCCCCTTTGGACTGTGCCTCGCTGAAGGGGTACTCCACAGTCACCATGTAGGAGTACTGCAGCACCGTGACGTGGATGCTGTCCTGGCCCACATCCATC	
Proband RefSeq	CAGGATGTCCCCTTTGGACTGTGCCTCGCTGAAGGGGTACTCCACAGTCACCATGTAGGAGTACTGCAGCACCGTGACGTGGATGCTGTCCTGGCCCACATCCATC	600 55
logo	CTCCATGAACTCCTTGCTCCTGTTGAAGTCGGCTTCACCAATTTTGTCCGATCCTTCCAGGACGACGCCACATCCAGAACCATGGAGTTCCTCTTGGGCCCCAGGGTCGAAACCCCCAA	500
Proband RefSeq	CTCCATGAACTCCTTGCTCCTGTTGAAGTCGGCTTCACCAATTTTGTCCGATCCTTCCAGGACGACGCCACATCCAGAACCATGGAGTTCCTCTTGGGCCCCAGGGTCGAAACCCCCAA	720 55
logo	GAGCCCCGGGCCCACAGTGACTTGTGCCATGTCGGGGGGCAGAGTAGGAGGAGGGGGCTTCAGGGGGCAAGGTCACAGAGGTAGCTAACGATCTCGTCCCTTTGCTGCTCCAGCTCATCCAC	
Proband RefSeq	GAGCCCCGGGCCCACAGTGACTTGTGCCATGTCGGGGGGCAGAGTAGGAGGAGGGGGCTTCAGGGGCAAGGTCACAGAGGTAGCTAACGATCTCGTCCCTTTGCTGCTCCAGCTCATCCAC	840 55
logo	ACTGCTCAGCACGAAGGCCTTGTTCTCAGGGGGCCTGCTTCTCAATGAGGCGGATCTGCTTGAGGTTGGCATGGGGCCCAATGCCCCACCGGGATCACGATGACATCTCTCTC	
Proband RefSeq	ACTGCTCAGCACGAAGGCCTTGTTCTCAGGGGGCCTGCTTCTCAATGAGGCGGATCTGCTTGAGGTTGGCATGGGGCCCAATGCCCACCGGGATCACGATGACATCTCTCTC	960 55

logo

Proband TGG RefSeq ...

963 55

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