

Father	.....	0
Mother	.....	0
Sister	TTTTTGCTCCCCCCCCACAGAAGACTGTTGTAAATATTTCTGCATGTTTGTTTTCAAACAAATGTGACAACCACTTTTTTGAAAGCCTTTAGAGCCTCCCAACTTCTTCTCAGCGTCATT	120
Brother	.....	0
Proband	.....	0
RefSeq	.....	0

[illegible]



logo	T A A G C A G A C A T T G T G A A T G G T T C A G A A T T T C T G G G T G A A A G A T G G G A A C T A A G G C T T A T T T G G C G T T G C A G G A T T T G T A G G A T T G C A G G A G A G G A G G G A G A G A G A G G G	
Father	T A A G C A G A C A T T G T G A A T G G T T C A G A A T T T C T G G G T G A A A G A T G G G A A C T A A G G T C T T A T T T G T G T C T G T T G C A G G A T T T G T T A G G A T T T G C A T G G A T G A G G A T G G G A A T G A G A A G A G G G	198
Mother	T A A G C A G A C A T T G T G A A T G G T T C A G A A T T T C T G G G T G A A A G A T G G G A A C T A A G G T C T T A T T T G T G T C T G T T G C A G G A T T T G T T A G G A T T C G C A T G G A T G A G G A T G G G A A T G A G A A G A G G G	204
Sister	T A A G C A G A C A T T G T G A A T G G T T C A G A A T T T C T G G G T G A A A G A T G G G A A C T A A G G T C T T A T T T G T G T C T G T T G C A G G A T T T G T T A G G A T T T G C A T G G A T G A G G A T G G G A A T G A G A A G A G G G	356
Brother	T A A G C A G A C A T T G T G A A T G G T T C A G A A T T T C T G G G T G A A A G A T G G G A A C T A A G G T C T T A T T T G T G T C T G T T G C A G G A T T T G T T A G G A T T C G C A T G G A T G A G G A T G G G A A T G A G A A G A G G G	198
Proband	T A A G C A G A C A T T G T G A A T G G T T C A G A A T T T C T G G G T G A A A G A T G G G A A C T A A G G T C T T A T T T G T G T C T G T T G C A G G A T T T G T T A G G A T T T G T T G A T T T G C A T G G A T G A G G A T G G G A A T G A G A A G A G G G	201
RefSeq	G A T T T G T T A G G A T T T G C A T G G A T G A G G A T G G G A A T G A G A A G A G G .	44

logos	T A A G T T C C T T T C T G T T G A C T T T G A A A G A A A G A T T A G A G A T G T G T T T G G G G C T C T G T C C C A C G G T A A T T T T C C T C C T T G G T C T A G T C C A G C G C T C C T C T A C T A T A T C T T G T	318
Father	T A A G T T C C T T T C T G T T G A C T T T G A A A G A A A G A T T A G A G A T G T G T T T G G G G C T C T G T T C C C A C T G T T T A A T T T T T C C T C C T T T G G T C T T A G T C C A G C G C T T C C T C T T A C T A T T A T C T T G T	318
Mother	T A A G T T C C T T T C T G T T G A C T T T G A A A G A A A G A T T A G A G A T G T G T T T G G G G C T C T G T T C C C A C T G G T T A A T T T T T C C T C C T T T G G T C T T A G T C C A G C G C T T C C T C T T A C T A T T A T C T T G T	324
Sister	T A A G T T C C T T T C T G T T G A C T T T G A A A G A A A G A T T A G A G A T G T G T T T G G G G C T C T G T T C C C A C T G G T T A A T T T T C C T C C T T T G G T C T A G T C C A G C G C T T C C T C T T A C T A T T A T C T T G T	467
Brother	T A A G T T C C T T T C T G T T G A C T T T G A A A G A A A G A T T A G A G A T G T G T T T G G G G C T C T G T T C C C A C T G G T T A A T T T T T C C T C C T T T G G T C T T A G T C C A G C G C T T C C T C T T A C T A T T A T C T T G T	318
Proband	T A A G T T C C T T T C T G T T G A C T T T G A A A G A A A G G T T A G A G A T G T G T T T G G G G C T C T G T T C C C A C T G G T T A A T T T T T C C T C C T T T G G T C T T A G T C C A G T G C T T C C T T T A C T A T T A T C T T G T	321
RefSeq	T A A G T T C C T T T C T G T T G A C T T T G A A A G A A A G A T T A G A G A T G T G T T T G G G G C T C T G T T C C C A C T G G T T A A T T T T T C C T C C T T T G G T C T T A G T C C A G T G C T T C C T T T A C T A T T A T C T T G T	44

[illegible]

logo

	CCCTACAGTCCTTGTGGGGGGGGGGAGGAAAA	
Father	.....	340
Mother	.....	347
Sister	.....	467
Brother	CCCTACAGTCCTTGTGGGGGGGGGGAGGAAAA	464
Proband	.....	438
RefSeq	.....	44

 non conserved
 ≥ 50% conserved