| logo Proband | TCAAACCTGAGCGCAAACTGCTACCTGTGCAATGGGGCTGGCCCTGCAGGGGTGCAGTGGCAGTGGGGGTCCTGGAGGGGTGGCAGTGCCTGCACTCGTGGGCACTGAAGACAGATGGGC TCAAACCTGAGCGCAAACTGCTACCTGTGCAATGGGGCTGGCCTGCAGGGGTGCAGTGGCAGTGGGGTGGCAGTGGCAGTGCCTGCACTCGTGGGCACTGAAGACAGATGGGC | 120 |
|-------------------|--|------------|
| RefSeq | •••••••••••••••••••••••••••••••••••••• | (|
| logo Proband | AGGTGTAGAGTGGAGGGAGGATCTGGCTGTCGAGCCTGCCCTTCATCCTCCTGGATTTCTTGCTTTGTCTTCCTCCAGU UAA U UAAUAUUUUA UAAUAU UAU UAU UAU | 240 |
| RefSeq | GTGAATGTGAAGAGGCCCATGAAGGATCACTTTGAG | 42 |
| logo Proband | GTGGTGGAGTCTGGCCGGTACATCATTCTGCTGCTGCGGCAAAGCCCTCTCCGTGGTCTGGGACCGCCACCTGAGCATCTCCGTGGTCCTGAAGCAGACATACCAGGTCAGTGGCTTTCTT | 360 |
| RefSeq | GTGGTGGAGTCTGGCCGGTACATCTTCTGCTGCTGGCAAAGCCCTCTCCGTGGTCTGGGACCGCCACCTGAGCATCTCCGTGGTCCTGAAGCAGACATACCAG | 147 |
| logo | GCTTCATCTTGTTGGGGACTTGAGACTTCATCCTGTCGGGGACTCGATGTGTAGAGAGACCGGAAGATTGCGTTTTGCAGAGTCCCGCTCTCCCCATTTTTTTT | 400 |
| Proband RefSeq | GC11CA1C11G11GGGGAC11GAGAC11CA1CC1G1CGGGGAC1CGA1G1G1AGAGAGCCGGGAAGA11GCG1111GCAGAG1CCCGC1C1CCCCA11111111 | 480 147 |
| logo | CTGATGTGTGTGCCCCGCGGGGGGGGTGAA | |
| Proband RefSeq | CTGATGTGTGTGCCCCGCGGGGGGGGTGAA 515 | |

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