

logo											
Father	..	AAGCAA	GTAGC	CTCCTCCTTTTAGTT	AAATGAGACTTCCTTGTGGGAAAGGGGAGCGTTTTGGTTCTTAATGAGAGCTTTCTTTTGCAGGGAAAAATCCTGGATGAGCTTTTGCAGA						116
Mother	.	TAGCCAAT	GTTGG	CTCCTCCTTTTAGTT	AAATGAGACTTCCTTGTGGGAAAGGGGAGCGTTTTGGTTCTTAATGAGAGCTTTCTTTTGCAGGGAAAAATCCTGGATGAGCTTTTGCAGA						118
Sister	..	AACCACT	GTTGC	CTCCTCCTTTTAGTT	AAATGAGACTTCCTTGTGGGAAAGGGGAGCGTTTTGGTTCTTAATGAGAGCTTTCTTTTGCAGGGAAAAATCCTGGATGAGCTTTTGCAGA						118
Brother	TTTCTATAG	GAGGG	CTCCTCCTTTTAGTT	AAATGAGACTTCCTTGTGGGAAAGGGGAGCGTTTTGGTTCTTAATGAGAGCTTTCTTTTGCAGGGAAAAATCCTGGATGAGCTTTTGCAGA							119
Proband	...	CCCGCAT	TCTG	CTCATCTATTTTCGCC	AAATGAGACTTCCTTGTGGGAAAGGGGAGCGTTTTGGTTCTTAATGAGAGCTTTCTTTTGCAGGGAAAAATCCTGGATGAGCTTTTGCAGA						117
RefSeq	.....				.....					GGAAAAATCCTGGATGAGCTTTTGCAGA	27

logo											
Father	CCTGCGTTGACCCTGAAGACTGCCCGGTGTGTGAGGTGGCTGGCCGGCGTTTTGCCTCAAGAAAGAAAGTCACCTTGAATCCCAGTGACCCTGAGCACTGCCAGATTTGGTAAAAACAGAT										236
Mother	CCTGCGTTGACCCTGAAGACTGCCCGGTGTGTGAGGTGGCTGGCCGGCGTTTTGCCTCAAGAAAGAAAGTCACCTTGAATCCCAGTGACCCTGAGCACTGCCAGATTTGGTAAAAACAGAT										238
Sister	CCTGCGTTGACCCTGAAGACTGCCCGGTGTGTGAGGTGGCTGGCCGGCGTTTTGCCTCAAGAAAGAAAGTCACCTTGAATCCCAGTGACCCTGAGCACTGCCAGATTTGGTAAAAACAGAT										238
Brother	CCTGCGTTGACCCTGAAGACTGCCCGGTGTGTGAGGTGGCTGGCCGGCGTTTTGCCTCAAGAAAGAAAGTCACCTTGAATCCCAGTGACCCTGAGCACTGCCAGATTTGGTAAAAACAGAT										239
Proband	CCTGCGTTGACCCTGAAGACTGCCCGGTGTGTGAGGTGGCTGGCCGGCGTTTTGCCTCAAGAAAGAAAGTCACCTTGAATCCCAGTGACCCTGAGCACTGCCAGATTTGGTAAAAACAGAT										237
RefSeq	CCTGCGTTGACCCTGAAGACTGTCCAAGTGTGTGAGGTGGCTGGCCGGCGTTTTGCCTCAGGAAAGAAAGTCACCTTGAATCCCAGTGACCCTGAGCACTGCCAGATTTG.....										136

logo																		
Father	TCCTGGGTTGTTTGAAGTGACGAATCTTATTGCTTTCCAGGGGCA	TAAC	GT	TAGGT	GTT	TAGTTAT	TCCTAAT	TGGTG	GTTT	TGGCGGTT	CATG	G	TC	AAGG	CTAGGAGGAGGA	353		
Mother	TCCTGGGTTGTTTGAAGTGACGAATCTTATTGCTTTCTCCAGGGGCA	CAGCATA	GT	CCAGT	GCT	TCCTTT	TAC	TAT	TATCTT	GTTT	TTGCGGGC	ATG	TGGA	CAAAT	A.....	345		
Sister	TCCTGGGTTGTTTGAAGTGACGAATCTTATTGCTTTCCAGGGGCA	AA	CGA	T	CC	TT	CTCTTT	TAG	TAG	TAACTG	GTGT	TGGCTCTT	ATG	ATTG	TC	TAG	ATCCCTGAGCGAG	355
Brother	TCCTGGGTTGTTTGAAGTGACGAATCTTATTGCTTTCCAGGGGCA	AAA	...	CAGGG	GAAT	GGCGAACG	TT	CCTGGCG	CAAT	TGGAGGTAG	AGGGCAT	TC	GAGG	AAGAGGAGGAGGA	353			
Proband	TCCTGGGTTGTTTGAAGTGACGAATCTTATTGCTTTTCAGGGGCA	AA	ATG	GT	TA	...	CCT	CCAAT	TGCC	AG	TTGTCA	GGAC	TACACAGCGC	TA	TAG	TGGTGC	AAACCGATAAAGA	352
RefSeq	.....															136	

logo											
Father	GTG.....										356
Mother	.....										345
Sister	CTGGGGGG.....										363
Brother	GCGGGACAGAGACTCAGAGGAGGTCCGAGGTGAGCAGCAAAGCCTTGCCATTGCCAAGACCTATTCTGAGCTTCCTTGCTGGCCCCATTTTATTTGAAGCTATGGAAACAGAGAGAGGA										473
Proband	TGAGAATCCTCCCCTCTATTGACTCTCTCCTGGAAGGAGAGGGGTGACGG.....										402
RefSeq	.....										136

non conserved

≥ 50% conserved