

CONCEPTUAL TRANSLATION

a 1

tttttcaggtgaggaacagaggctctgggagctctcgctgaagccactcgctgtccgc 61
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 E L S A G P S M F W R R L R P G A Q D L 13

gcgccaaggggctccttggcgacggagacttccgacgcagcagcgaccgcgggtgcc 300
 A P K G L P G D G D F R R S S D P R L P 33

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 K L T P P A L R A A L G A R G S G D W R 53

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 I P G G G A A W W P E G D A K P G V G V 73

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 G R L P P R L P A L L T A T R R A V R K 93

cgggggctgctgcggtccctgctgcccgcctccctgctgtcgccggcgcgctcccgggaa 541
 R G L L R S L L P P P L L S A G A S R E 113

tcggcgcccaggcagccaggcctggagagcgcgagcgcgcccgaggcgcgctggccagg 601
 S A P R Q P G P G E R E R P R R R V A R 133

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 E D P D F L G A F L G E L L P S R F R E 153

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 F L H Q L Q E K C A E E P E P L T S P A 173

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 P Q H Q R G V L E H C P G S P R C P N C 193

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 S F L P D L W G Q S S H L Q D S L T K I 213

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 S L Q Q T P I L G P L K G D H S Q F T T 233

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 V R K A N H R P H G A Q V P R L K A A L 253

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 T H N P S G E G S R P C R Q R C P F R V 273

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 R F A D E T L Q D T T L R Y W E R R R S 293

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 V Q Q S V I V N Q K A A L P V A S E R V 313

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5' UTR
 Kozak site
 Start Codon
 Acetylation
 Conserved AA
 Glycation Sites
 SNP Variant
 Sumoylation
 O-glycosylation Site
 Ex 1 / Ex 2
 Seq. conflict A → T
 N-Glycosylation Site
 Ex 2 / Ex 3
 Start of DUF4685
 NetNes Site
 Ex 3 / Ex 4
 Nat. Variant R → K
 -Ex 4 / Ex 5
 -R → Q
 -End of DUF4685

gaggagaccctggccagctcctcgtggtgggactgcgctggcctgtccaccagaagaca 1261
E E T L A S S S C W D C A G L S T Q K T 353

cagggctacctttctgaggacacctccatgaacagcagcctgcccttctgttcatggaag 1321 P → S
Q G Y L S E D T S M N S S L P F C S W K 373

aaggccgctgctcagaggccggaagcagcctccgagccttcttggaccgcacagaaac 1381 R → Q
K A A A Q R P R S S L R A F L D P H R N 393

ctggagcaggagtcctcctgcccaccgggtgctgcagtcggctcctgaagcaaggctgc 1441 Ex 6 / Ex 7
L E Q E S L L P N R V L Q S V L K Q G C 413

cctaaggggtaccatctcctcctggcctccgcaacactgcagccagataagagg^{tg}aaca 1501 Stop Codon
P K G Y H L L L A S A T L Q P D K R * T 431 K → R
3' UTR

ctcggaaccaaggccaggggacacatgggcccaggcaatgaggagcgtccttcttgc 1561
L A K P R P G A

cccaca^{aaataaa}ggcacatcccaggtggctgggacctgccagtaggtgtcacaccacaaa 1 Poly A signal
Poly A site