

Aligned Sequences:

AUUGUGGCAUUGGGCG-CUGUUUGGCAGUGAUGAUUGCCUUUUGUGUCAGUGUCUGAGUGCUAUGAAGAUUGCACACAG
AUUGUGGCAUUGGGCGAUGUUUAGCAGUGAUGACUGCCUUUUGUGUCAGUGUCUGAGUGCUAUGAAGAUUGCUCACAG

AGGUCCAGAUGCACUCCGUUUUGAGAAUGUCAAUUGGAUACACCAACUGCUGCUUUGGAUUTCACCGGUUGGCGGUAGUUG
AGGUGCAGAUGCACUCCGUUUUGAGUAUGUCAAUUGGAUACACCAACUGCUGCUUUGGAUUTCACCGGUUGGCGGUAG--G

ACCCGCUGUUUGGAAUGCAGCCAAUUCGAGUGAAGAAUAUCCGUAUUUUGGGCUCUGUUACAUGGUGAAAUCUACAACC
ACCCGCUGUUUGGAAUGCAGCCAAUUCGAGUGAAGAAUAUCCGUAUUUUGGGCUCUGUUACAUGGUGAAAUCUACAACC

AUAAGAAGAUGCAACAGCAUUUUUGAAUUUGAAUACCAGACCAAAGUGAUGGUGAGAUAAUCCUUAUCUUUAUGACAAAG
AUAAGAAGAUGCAACAGCAUUUUUGAAUUUGAAUACCAGACCAAAGUGAUGGUGAGAUAAUCCUUAUCUUUAUGACAAAG

GAGGAAUUGAGCAAACAUAUUUGUAUGUUGGAUGG
GAGGAAUUGAGC---CAAUUUGUAUGUUGGA---

Mutation Nucleotide: 15

■■■Mutations:

Insertion at position 18: A
Substitution at position 19: C -> A
Substitution at position 25: G -> A
Substitution at position 36: U -> C
Substitution at position 75: A -> U
Substitution at position 85: C -> G
Substitution at position 106: A -> U
Deletion at position 158: U
Deletion at position 159: U
Deletion at position 333: A
Deletion at position 334: A
Deletion at position 335: A
Deletion at position 352: U
Deletion at position 353: G
Deletion at position 354: G

■■■Mutated Amino Acids: 7

UAU -> tyrosine
CGA -> arginine
AUG -> methionine
AGC -> serine
GAC -> aspartic acid
GCU -> alanine
GCA -> alanine