



TTTGGGCGTCAATGACAGAAATCGTAAAGAGGGGATATACCTTTACGACGGTGATGGCTTTGTGTCTCATGATATAACTAT..AACGCC...
 TTTTGGGCGGTCAATGGACAGAAATCGGTAAAGAAGGGGGATATACACTTTACGACGGTGATGGCTTTGTGTCTCATGATATAACTAT..AACGCC...
 TTTTGGGCGGTCAATGGACAGAAATCGGTAAAGAAGGGGGATATACACTTTACGACGGTGATGGCTTTGTGTCTCATGATATAACTAT..AACGCC...
 TTTTGGGCGGTCAATGGACAGAAATCGGTAAAGAAGGGGGATATACACTTTACGACGGTGATGGCTTTGTGTCTCATGATATAACTAT..AACGCC...
 TTTTGGGCGGTCAATGGACAGAAATCGGTAAAGAAGGGGGATATACACTTTACGACGGTGATGGCTTTGTGTCTCATGATATAACTAT..AACGCC...
 TTT...GGCGTT..ATAGTTATATCATGAGACACAAAGCCATCACGCTCGTAAAGTGATATATCCCGCTTCTTTACGATTTCGTCCATTGACCGCCTCA
 TTT...GGCGTT..ATAGTTATATCATGAGACACAAAGCCATCACGCTCGTAAAGTGATATATCCCGCTTCTTTACGATTTCGTCCATTGACCGCCTCA
 TTT...GGCGTT..ATAGTTATATCATGAGACACAAAGCCATCACGCTCGTAAAGTGATATATCCCGCTTCTTTACGATTTCGTCCATTGACCGCCTCA
 TTT...GGCGTT..ATAGTTATATCATGAGACACAAAGCCATCACGCTCGTAAAGTGATATATCCCGCTTCTTTACGATTTCGTCCATTGACCGCCTCA

AAAAGATATCTCTTGAATTTCTGAAATGATGACCGCATGCTGGGGTGCATGCTGAAATACCAAAATGCGCTGCTATTCGAAATTC
 AAAAGATATCTCTTGAATTTCTGAAA.GCATGCAACGCAGATGCTCGGCGGGTGCACCATGCTGAA..AACCAAAAATGCGT.GTTGTATTTTCGATTTT
 AAAAGATATCTCTTGAATTTCTTAAAA.GCATGCAACGCAGATGCTCGGTGGGTGCACCATGCTGAA..AACCAAAAATGCCT.GTTGTATTTTCGATTTT
 AAAAGATATCTCTTGAATTTCTGAAA.GCATGCAACGCAGATGCTCGGCGGGTGCACCATGCTGAA..AACCAAAAATGCCT.GTTGTATTTTCGATTTT
 AAAAGATATCTCTTGAATTTCTGAAA.GCATGCAACGCAGATGCTCGGTGGGTGCACCATGCTGAA..AACCAAAAATGCCT.GTTGTATTTTCGATTTT
 AAAAGTTAGATACAAATTCATCTGTATTACATGACCTCTGCTG.TAGGCCAA..CAACATGAAGAATTAACAGATTATGCCTCAATGCTTTCAAATTC
 AAAAGTTAGATACAAATTCATCTGTATTACATGACCTCTGATG.TAGGCCAA..CAACATGAAGAATTAACAGATTATGCCTCAATGCTTTCAAATTC
 AAAAGTTAGATGCAAATTCATCTGTATTGCAATGACCTCTGATG.TAGGCCAA..CAACATGAAGAATTAACAGATTATGCCTCAATGCTTTCAAATTC
 AAAAGTTAGATACAAATTCATCTGTATTGCAATGACCTCTGATG.TAGGCCAA..CAACATGAAGAATTAACAGATTATGCCTCAATGCTTTCAAATTC
 * * * * *

[illegible]

TGA	TGA	TT	GAGT	TT	TTAA	CTGT	AA	AA	TT	TCA	TT	AA	CT	TCA	A	GAAA	GGT	TC	GGT	AGG	AG	CA	TG	AGT	TG	CA	TC	GAA	CTG	AAA	GA	GT	GC	CA	CTT	
AAAT	ACAG	AA	AA	CTC	TGCA	CC	AG	IA	IA	AA	AG	CT	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	679	
TGATGCATTGAGTTTTTAACTGTAATAATTTTCATTAAGTTCACACGAAAGGTTTCGGGTTAGGAGCATGAGTTTGTCACTGAAACTGAAAGAGTGCCATCTT																																				
TGATGCATTGAGTTTTTAACTGTAATAATTTTCATTAAGTTCACACGAAAGGTTTCGGGTTAGGAGCATGAGTTTGTCACTGAAACTGAAAGAGTGCCATCTT	615																																			
TGATGCATTGAGTTTTTAACTGTAATAATTTTCATTAAGTTCACACGAAAGGTTTCGGGTTAGGAGCATGAGTTTGTCACTGAAACTGAAAGAGTGCCATCTT	877																																			
TGATGCATTGAGTTTTTAACTGTAATAATTTTCATTAAGTTCACACGAAAGGTTTCGGGTTAGGAGCATGAGTTTGTCACTGAAACTGAAAGAGTGCCATCTT	864																																			
TGATGCATTGAGTTTTTAACTGTAATAATTTTCATTAAGTTCACACGAAAGGTTTCGGGTTAGGAGCATGAGTTTGTCACTGAAACTGAAAGAGTGCCATCTT	816																																			
TGAAATTTTACAGTTAAAACTCAATGCAATCAAGAGTCAAAAAGAAAG..GAAGTCAAAGTTTGGTGTTGTTAAATGGGAGCTAAAAGGTAGCAGG..	797																																			
TGAAATTTTACAGTTAAAACTCAATGCAATCAAGAGTCAAAAAGAAAG..GAAGTCAAAGTTTGGTGTTGTTAAATGGGAGCTAAAAGGTAGCAGG..	792																																			
TGAAATTTTACAGTTAAAACTCAATGCAATCAAGAGTCAAAAAGAAAG..GAAGTCAAAGTTTGGTGTTGTTAAATGGGAGCTAAAAGGTAGCAGG..	790																																			
TGAAATTTTACAGTTAAAACTCAATGCAATCAAGAGTCAAAAAGAAAG..GAAGTCAAAGTTTGGTGTTGTTAAATGGGAGCTAAAAGGTAGCAGG..	855																																			
!!!!!!																																				

Position	Sequence	Score
1	CTGACCAACAAAAGAACATCTCCGAATGTTGGAATTTTGAAGCATTGAGGCATAATCTGTTAATTCTTCATGTTGT	776
2	CTGACCAACAAAAGAACATCTCCGAATGTTGGAATTTTGAAGCATTGAGGCATAATCTGTTAATTCTTCATGTTGT	712
3	CTGACCAACAAAAGAACATCTCCGAATGTTGGAATTTTGAAGCATTGAGGCATAATCTGTTAATTCTTCATGTTGT	974
4	CTGACCAACAAAAGAACATCTCCGAATGTTGGAATTTTGAAGCATTGAGGCATAATCTGTTAATTCTTCATGTTGT	961
5	CTGACCAACAAAAGAACATCTCCGAATGTTGGAATTTTGAAGCATTGAGGCATAATCTGTTAATTCTTCATGTTGT	913
6	CTGACCAACAAAAGAACATCTCCGAATGTTGGAATTTTGAAGCATTGAGGCATAATCTGTTAATTCTTCATGTTGT	890
7	CTGACCAACAAAAGAACATCTCCGAATGTTGGAATTTTGAAGCATTGAGGCATAATCTGTTAATTCTTCATGTTGT	885
8	CTGACCAACAAAAGAACATCTCCGAATGTTGGAATTTTGAAGCATTGAGGCATAATCTGTTAATTCTTCATGTTGT	883
9	CTGACCAACAAAAGAACATCTCCGAATGTTGGAATTTTGAAGCATTGAGGCATAATCTGTTAATTCTTCATGTTGT	948

[illegible]

<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>
<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>
<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>
<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>
<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>
<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>
<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>
<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>
<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>
<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>
<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>
<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>		

[illegible][illegible]

Sequence	Position 1	Position 2	Position 3	Position 4	Position 5	Position 6	Position 7	Position 8	Position 9	Position 10	Score
ATGTTGTGACCCGCGGAGCATCTGCGGTTCATGCAAAATCAAGAGATATCTTTTAAAGGTTTATGAGCGCGGTCAATTCAGACAAAATCGGTAAAGAAAG	A	T	G	T	T	G	T	G	A	A	1350
ATGTTGTGACCCGCGGAGCATCTGCGGTTCATGCAAAATCAAGAGATATCTTTTAAAGGTTTATGAGCGCGGTCAATTCAGACAAAATCGGTAAAGAAAG	A	T	G	T	T	G	T	G	A	A	1286
ATGTTGTGACCCGCGGAGCATCTGCGGTTCATGCAAAATCAAGAGATATCTTTTAAAGGTTTATGAGCGCGGTCAATTCAGACAAAATCGGTAAAGAAAG	A	T	G	T	T	G	T	G	A	A	1524
ATGTTGTGACCCGCGGAGCATCTGCGGTTCATGCAAAATCAAGAGATATCTTTTAAAGGTTTATGAGCGCGGTCAATTCAGACAAAATCGGTAAAGAAAG	A	T	G	T	T	G	T	G	A	A	1524
ATGTTGTGACCCGCGGAGCATCTGCGGTTCATGCAAAATCAAGAGATATCTTTTAAAGGTTTATGAGCGCGGTCAATTCAGACAAAATCGGTAAAGAAAG	A	T	G	T	T	G	T	G	A	A	1487
ATGTTGTGACCCGCGGAGCATCTGCGGTTCATGCAAAATCAAGAGATATCTTTTAAAGGTTTATGAGCGCGGTCAATTCAGACAAAATCGGTAAAGAAAG	A	T	G	T	T	G	T	G	A	A	1469
ATGTTGTGACCCGCGGAGCATCTGCGGTTCATGCAAAATCAAGAGATATCTTTTAAAGGTTTATGAGCGCGGTCAATTCAGACAAAATCGGTAAAGAAAG	A	T	G	T	T	G	T	G	A	A	1464
ATGTTGTGACCCGCGGAGCATCTGCGGTTCATGCAAAATCAAGAGATATCTTTTAAAGGTTTATGAGCGCGGTCAATTCAGACAAAATCGGTAAAGAAAG	A	T	G	T	T	G	T	G	A	A	1462
ATGTTGTGACCCGCGGAGCATCTGCGGTTCATGCAAAATCAAGAGATATCTTTTAAAGGTTTATGAGCGCGGTCAATTCAGACAAAATCGGTAAAGAAAG	A	T	G	T	T	G	T	G	A	A	1524

G G G G A T A T A C A C T T T A C G A G C G T G A T G C T T T G T G T C A T T G A C C G C C T C A A A A G T T A A A G A T A T C T C T T G A T T T T C T G A A A G C A T G C A C C G C A G A T G
 G G G G A T A T A C A C T T T A C G A G C G T G A T G C T T T G T G T C A T T G A C C G C C T C A A A A G A T A T C T C T T G A T T T T C T G A A A G C A T G C A C C G C A G A T G
 G G G G A T A T A C A C T T T A C G A G C G T G A T G C T T T G T G T C A T T G A C C G C C T C A A A A G A T A T C T C T T G A T T T T C T G A A A G C A T G C A C C G C A G A T G
 G G G G A T A T A C A C T T T A C G A G C G T G A T G C T T T G T G T C A T T G A C C G C C T C A A A A G A T A T C T C T T G A T T T T C T G A A A G C A T G C A C C G C A G A T G
 G T A A A G T G T A T A T C C C C C T T C T T T A C C G A T T T C T G T C A T T G A C C G C C T C A A A A A
 G T A A A G T G T A T A T C C C C C T T C T T T A C C G A T T T C T G T C A T T G A C C G C C T C A A A A A G T T A G
 G T A A A C T G T A T A T C C C C C T T C T T T A C C G A T T T C T A T C A T T G A C C G C C T C A A A A A G T T A G A T
 * * * * *

[illegible][illegible]

☐ non-conserved
☒ > 50% conserved