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A A A CCGG A GCGG A A A GCT A CTCCTA A <mark>G</mark>TTTGG A G A GTGGCA GGTGG A <mark>G</mark>ATTGTCA A TA A TCATTTTCCTGG<mark>G</mark> A C A GCG A A CCCA A TTGGTA A CA A CGATCTTA CCATCCGTCGCCT
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                                                                                                                                                                                                              427
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                                                                                                                                                                                                              427
TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGCTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTCCAATGGCATTCATTG
                                                                                                                                                                                                              427
TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGAACTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTC<u>CAATGGCATTCATTG</u>
                                                                                                                                                                                                              427
TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGCTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTCCAATGGCATTCATTG
                                                                                                                                                                                                              427
TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGAACTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTCCAATGGCATTCATTGG
                                                                                                                                                                                                              427
TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGCTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTCCAATGGCATTCATTG
                                                                                                                                                                                                              427
TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGCTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTCCAATGGCATTCATTG
                                                                                                                                                                                                              427
TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGAACTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTCCAATGGCATTCATTGG
                                                                                                                                                                                                              427
TCAGGATATCTAGCTAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGAACTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTCCAATGGCATTCATTGG
                                                                                                                                                                                                              427
TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGAACTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTC<u>CAATGGCATTCATTG</u>
                                                                                                                                                                                                              427
TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGACTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTCCAATGGCATTCATTG
                                                                                                                                                                                                              427
TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGCTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTCCAATGGCATTCATTG
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TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGACTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTCCAATGGCATTCATTG
                                                                                                                                                                                                              427
TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGACTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTCCAATGGCATTCATTG
                                                                                                                                                                                                              427
TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGAACTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTC<u>CAATGGCATTCATTG</u>
                                                                                                                                                                                                              427
TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGAACTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTCCAATGGCATTCATTGG
                                                                                                                                                                                                              427
TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGCTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTCCAATGGCATTCATTG
                                                                                                                                                                                                              427
TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>T</mark>ACAGATGATGATGAGTCCCA<mark>G</mark>AGAGAACTCATAAGG<u>A</u>GCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTCC<u>AATGGCATTCATTG</u>G
                                                                                                                                                                                                              427
TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>TG</mark>CA<mark>AG</mark>TGATGATGATGCCCA<mark>G</mark>AGAGACTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGAGTCCAATGGCATTCATTGG
                                                                                                                                                                                                              440
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TCAGGATATCTAGCCAGATGGGTTCTTGAGCATTT<mark>T</mark>AC<mark>TC</mark>CA<mark>AC</mark>TGATGATGAGTCCCA<mark>G</mark>AGAACTCATAAGGAGCACCATCAT<mark>T</mark>AATCCAATTGCAGTCCAATGGCAGTCAATT

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<mark>C</mark>CCCTTGACCATTGG<mark>G</mark>ATTTACAGAGTCAAGCATGGTATGATGGA<mark>T</mark>CC'
A A C A A T G G C C C A G A <mark>A</mark> A T T T A
                                              CTTTCATTCTTCCCAGG<mark>G</mark>ACAGAAATGTTTCTGGAA<mark>G</mark>TTTT<mark>T</mark>AAATTCTA
A A C A A T G G C C C A G A <mark>A</mark> A T T T A
                                              CTTTCATTCTTCCCAGG<mark>G</mark>ACAGAAATGTTTCTGGAA<mark>G</mark>TTTT<mark>T</mark>AAATTCTA
A A C A A T G G C C C A G A <mark>A</mark> A T T T A
                                             CTTTCATTCTTCCCAGG<mark>G</mark>ACAGAAATGTTTCTGGAA<mark>G</mark>TTTT<mark>T</mark>AAATTCTA<mark>C</mark>CCCTTGACCATTGG<mark>G</mark>ATTTACAGAGTCAAGCATGGTATGATGGA<mark>T</mark>CCT
                                             CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTT<del>C</del>AAATTTTA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGA<mark>T</mark>CCT
A A C A A T G G A C C A G A A A T T T A
                                            CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>TTAC</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGA<mark>T</mark>CC
A A C A A T G G <mark>A</mark> C C A G A <mark>A</mark> A T T T A
                                             CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>T</del>TA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGA<mark>T</mark>CC</mark>
A A C A A T G G A C C A G A A A T T T A
                                              CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>T</mark>TA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGG<u>TATGATGGA<mark>T</mark>CCT</u>
A A C A A T G G <mark>A</mark> C C A G A <mark>A</mark> A T T T A
                                             CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>T</del>TA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGA<mark>T</mark>CC</mark>
A A C A A T G G A C C A G A A A T T T A
                                             CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>T</mark>TA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGA<mark>T</mark>CCT
A A C A A T G G <mark>A</mark> C C A G A <mark>A</mark> A T T T A
                                             CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>T</mark>TA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GGGATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGA<mark>T</mark>CC'
A A C A A T G G <mark>A</mark> C C A G A <mark>A</mark> A T T T A
                                              CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>T</mark>TA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGATGC
AACAATGGACCAGAAATTTA
                                              CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>T</mark>TA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGA<mark>T</mark>CCT
A A C A A T G G <mark>A</mark> C C A G A <mark>A</mark> A T T T A
                                             CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>TTAC</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGA<mark>T</mark>CC
A A C A A T G G A C C A G A A A T T T A
                                            CTTTC<mark>G</mark>TT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>TTAC</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGA<mark>T</mark>CCT
CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>TTAC</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGAT
A A C A A T G G <mark>A</mark> C C A G A <mark>A</mark> A T T T A
A A C A A T G G <mark>A</mark> C C A G A <mark>A</mark> A T T T A
                                             CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>T</mark>TA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGG<u>TATGATGGAT</u>CCT
A A C A A T G G A C C A G A A A T T T A
                                              CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>T</mark>TA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGA<mark>T</mark>CCT
AACAATGG<mark>A</mark>CCAGA<mark>A</mark>ATTTA
                                             CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>T</mark>TA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGG<u>TATGATGGA<mark>T</mark>CCT</u>
A A C A A T G G A C C A G A A A T T T A
                                            CCTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>T</mark>TA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGA<mark>T</mark>CCO
CCTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>T</mark>TA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGA<mark>T</mark>CCO
AACAATGG<mark>A</mark>CCAGA<mark>A</mark>ATTTA
A A C A A T G G <mark>A</mark> C C A G A <mark>A</mark> A T T T A
                                            CCTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>T</mark>TA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGA<mark>T</mark>CC<mark>C</mark>
AACAATGG<mark>A</mark>CCAGA<mark>A</mark>ATTTA
                                             CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>T</mark>TA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGA<mark>T</mark>CC<mark>C</mark>
A A C A A T G G A C C A G A A A T T T A
AACAATGG<mark>A</mark>CCAGA<mark>A</mark>ATTTA<mark>C</mark>CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATT<mark>T</mark>TA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CAT<mark>GGTATGATGGA</mark>TCC<mark>C</mark>
AACAATGG<mark>A</mark>CCAGA<mark>A</mark>ATTTA<mark>C</mark>CTTTCATT<mark>T</mark>TTCCCAGG<mark>G</mark>ACAGAATGTT<mark>CT</mark>TGGAA<mark>G</mark>TTTTCAAATTCTA<mark>C</mark>CCCTT<mark>A</mark>ACCAT<mark>C</mark>GG<mark>G</mark>ATTTACAGAGTCAA<mark>A</mark>CATGGTATGATGGA<mark>T</mark>CC
AACAATGGCCCAGAGATTTATCTTTCATTCTT<mark>T</mark>CCAGGAACAGAAATGTTTCTGGAAATTTTCAAATTCTATCCCTTGACCATTGGAATTTACAGAGTCAAGCATGGTATGATGGACCCT
AACAATGGCCCAGAGATTTATCTTTCATTCTT<mark>T</mark>CCAGGAACAGAAATGTTTCTGGAAATTTTCAAATTCTATCCCTTGACCATTGGAATTTACAGAGTCAAGCATGGTATGATGATCGACCCT
AACAATGGCCCAGAGATTTATCTTTCATTCTT<mark>T</mark>CCAGGAACAGAAATGTTTCTGGAAATTTTCAAATTCTATCCCTTGACCATTGGAATTTACAGAGTCAAGCATGGTATGATGGACCCT
AACAATGGCCCAGAGATTTATCTTTCATTCTT<mark>T</mark>CCAGGAACAGAAATGTTTCTGGAAATTTTCAAATTCTATCCCTTGACCATTGGAATTTACAGAGTCAAGCATGGTATGATGATCGACCCT
AACAATGGCCCAGAGATTTATCTTTCATTCTT<mark>T</mark>CCAGGAACAGAAATGTTTCTGGAAATTTTCAAATTCTATCCCTTGACCATTGGAATTTACAGAGTCAAGCATGGTATGATGGACCCT
{	t A} A C {	t A} T G G C C C A G A G T T T A T C T T T C C A G G A A C A G A A A T G T T T C T T G A A A T T T T C A C A T T C C C T T G A A T T T A C A G A G T C A A G C A T G G T A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G A T G
{	t A} A C {	t A} T {	t G} C {	t C} C {	t A} C {	t A} C {	t C} C {	t C}
AACAATGGCCCAGAGATTTATCTTTCATTCTT<mark>T</mark>CCAGGAACAGAAATGTTTCTGGAAATTTTCAAATTCTATCCCTTGACCATTGGAATTTACAGAGTCAAGCATGGTATGATGGACCCT
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AACAATGGCCCAGAGATTTATCTTTCATTCTT<mark>T</mark>CCAGGAACAGAAATGTTTCTGGAAATTTTCAAATTCTATCCCTTGACCATTGGAATTTACAGAGTCAAGCATGGTATGATGATCGACCCT
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CAGTATCTCAAGAAGGCTCT<mark>T</mark>AGACAGCGCTATGGCACCTTGACTGCAGAGAAGTGGCACAGAAGAAGTGCTCATTGCTAAGAGTCTAAAGAACAGATGTAGAACAGCTTAAATGGGGA
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AGAGG<mark>G</mark>GGGCTTAGCGATGCTGCAAGAACCTTCTTGATCAAATTTGGTGTGAAACTGCCTTAAGCAAGAGCAGTAATGAAA<mark>. G</mark>TTTGA<mark>A</mark>TAAATTTTGGATTTCTAAATTGACAAATTT
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