

A

cacacacgcactttccgatagagcaaatg**E1**gggaagagcgagcgctggcgggagtgagg
agagcgggagagagtgcgtagagtgaggcggttcgctgactgtta**E2**tcgggagcgtg

B

AATTCAATTCAAACAAGCAAAGTGAACACGTCGCTAAGCGAAAGCTAAGCAAATA
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CCAGTGTCCGCGCAACAAGCAATGTGTGGTGGACCGTGTTAATCGCAACCGATGTCAATA
TTGTAGACTGCAAAAAGTGCCTAAAAGTGGGA**ATG**AGCCGTGATG.....
M S R D

C

TCACCTGCGAGGGCTGCAAGGGATTCTTTTGAAGATCGCAGAGCTCCGTGGTCAA
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ATATTGTAGACTGCAAAAAGTGCCTAAAAGTGGGA**ATG**AGCCGTGATG.....
M S R D

D

MYTQRMFDMWSSVTSKLEAHANNLGQSNVQSPAGQNNSSGSIKAQIEIIPCKVCGDKSS
GVHYGVIITCEGCKGFFRRSQSSVVNYQCPRNKQCVVDRVNRNRCQY**C**RLQKCLKL**G**MSR
DAVKFGR**M**SKKQREKVEDEVRFHRA**Q**MRAQSDAAPDSSVYDTQTPSSDQLHHNNYNSY
SGGYSNNEVGYGSPYGYSASVTPQQT**M**OYDISADYVDSTTYEPRST**I**IDPEFISHAD**G**
INDVLI**K**TLAEAHANTNTKLEAVHDMFRKOPDVSRIILYYKNLGOEEL**W**LDCAEKL**T**OMI
ONIIIEFAKLIPGFMRLSODDOILLKTSFELAIVRMSRLLDLSONAVLYGDVMLPOEA
FYTS DSEEMRLVSRI FOTAKSIAELKLTETELALYQSLVLLWPERNGVRGNTEIQR LFN
LSMNAIROELETNHAPLKGDVTVLDTLLNNIPNFRDISILHMESLSKFKLOHPNVVFP
LYKELFSIDSQQDLT