#NEXUS

Begin data;

Dimensions ntax=270 nchar=1100;

Format datatype=DNA gap=- missing='N';

Matrix

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trnLF\_GM NNNNNNNNNNNNNNNNNNNNNNNNNNCCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAA--GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTGCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTCTTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-TTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCTGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTTATTTACTACTTTTTATTTTGAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------AGTAAAATGATACTGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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AY257694 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXNCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTAGCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC--TTTTTTTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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AY257700 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGGAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC--TTTTTTTTTGTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATAAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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AY257702 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC--TTTTTTTTTGTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATAAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTn

AY257703 NNNNNNNNNNNGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTBCCTtttt-ttag-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTGAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC--TTTTTTTTTGTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATAAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTNn

AY257704 NNNNNNNNNNNNCCTTGGTATGGNAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGANTTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATAAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257705 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTTGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATAAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257706 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTATCTTTTT-TTCG-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATNCTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATAAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGNNn

AY257707 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGAGAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATAAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257708 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTATTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATAAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257709 AATTGGATTGAGCCTTGGTATGGTAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTTGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATAAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257710 NNNNNNNNNNNNNNNNNNNNTGGNAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCACTACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATAAGGATGATACTTCGGGAATGGCCGGGATAGCTCAgttg

AY257711 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCACTACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACATCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATAAGGATGATACTTCGGGAATGGCCGGGATAGCTCAgttg

AY257712 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTAATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTCGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC--TTTTTTTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257713 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTAATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXNNNCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTCGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGAGACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC--TTTTTTTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTn

AY257714 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCGATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTAATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTCGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC--TTTTTTTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGNNn

AY257715 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAATCCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTAATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTCGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257716 NNNNNNATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTAATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTCGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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DQ013046 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCAGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATAGTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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trnLF\_EL NNNNNNNNNNNNNNNNNNNNNNNNNNNNTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXNNNNNNNN-NNNNNNNNNNNNNNNNNNNNNCCCTTACCTTTT--tTAG-TTATTAGCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC--TTTTTTTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTNNNNNNNNNNNNNNNNNNNNNNNnnnn

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trnLF\_FD NNNNNNNNNNNNNNNNNNNNNNNNNNCCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTGAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC----TTTTTTTTTGTGCAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATAAGGATGANNNNNNNNNNNNNNNNNNNNNNNNNNNnnnn

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trnLF\_FN AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-TTAG-TTATTATCGA-TTTGAATTATTTAGAATCTATATAAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_FO AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACNCCTTACCTTTTT-TTAG-TTATTATCGA-TTTGAATTATTTAGAATCTATATAAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC--TTTTTTTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTNNNNNNNNNNNNNNNNNNNNNNNnnnn

trnLF\_FZ AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-TTAG-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC----TTTTTTTTTGTGCAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATAAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_GB AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGGTTACGCGAACAAAACAGAGTTTAGAAAGC----------GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCAATCCCTTGTGTTGAATCAAACGA------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------TTCACTTCATAGTCTGATAGATCCTTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTCTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTATCTTTTT-TTCG-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATAAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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trnLF\_HE AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTTTTATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-TTAG-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC--TTTTTTTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGNNNNNNNNNNNNNNNNNNNNNNNNNNNNnnnn

trnLF\_HD AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXNNNNNNNN-NNNNNNNNNNNNNNNNNNNNNNNNNNNNCTTTTT-TTAGGTTATTAGCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGTATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC--TTTTTTTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATNNNNNNNNNNNNNNNNNNNNNNNNNNNNNnnnn

trnLF\_HO AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTAYGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTAGCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-TTTTTTTTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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trnLF\_HR NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTANNNNNNNNNNXXXGCTCTACT-CCCCAAAAAGGTCTGT--GACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTGATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC--TTTTTTTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCAC--------AAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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trnLF\_KB AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTGTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC--TTTTTTTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATNNNNNNNNNNNNNNNnnnn

trnLF\_KE AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTAATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXNNTGTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTCGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC--TTTTTTTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

Arab1992 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTAAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAATCGAAGTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATnnnnnnnnnXXXnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnCCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTAATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTG

AY257721 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGTAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTC--------------------------------------------------------------------------------------------GGTAATGGCCGGGATAGCTCAgttg

AY257722 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGAAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257723 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATcaaaaCTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCTGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257724 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGACCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257725 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257726 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257727 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------AGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257728 NNNNNNNNNNNNNNNNNNNNTGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCACT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257729 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257730 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATAAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257731 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGTTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257732 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXNNTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAG-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257733 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAACAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAG-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257734 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGATCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257735 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAGTGATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257736 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257737 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCGTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257738 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXNNNNNNNN-NNNNNAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAA-GTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257739 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGGGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257740 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAGGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTCCGTACCCAAGTCATATATTAAAATGATACTGATACTTCCGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257741 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTCCGTACCCAAGTCATATATTAAAATGATACTGATACTTCCGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257742 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATTAGTAAAATT-----------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257743 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATTAGTAAAATGATACTGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGCTTTTTTGCAGAGGACTGAAAATCCTTGTGTCACCATTAGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257744 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGATAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTAGTAAAATGATACTGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257745 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTTATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTAGTAAAATGATACTGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257746 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------AGTAAAATGATACTGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257747 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257748 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257749 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTTAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257750 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTTAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCAACATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257751 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGTAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257752 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGTAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATTTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257753 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-T----------------------------------------------------------------------------------------AACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257754 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTATCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-T----------------------------------------------------------------------------------------AACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257755 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTATTTGACACCTTACCTtttt-ttag-TTATTATCCA-T----------------------------------------------------------------------------------------AACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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DQ013049 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCGAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTTAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

DQ013050 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAAGATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTTAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

DQ013051 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTTT-ACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGCG------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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trnLF\_FH AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttagCTTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_FT AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTAGTAAAATGATACTGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_HY AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGACcttattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXNNNNNNNN-NNCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_IC AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATATCTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_ID AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGGAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_IE AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATTAGTAAAATGATACTGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGCTTTTTTGCAGAGGACTGAAAATCCTTGTGTCACCATTAGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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AY257762 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTATAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257763 NNNNNNNNTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257764 NNNNNNNTTGANCCTTGGTATGGNAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257765 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXNNNNNNCT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGACATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------ATTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257766 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------ATTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257767 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTTAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257768 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CGGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257769 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCAAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257770 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATTAGTAAAATGATAATGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGCTTTTTTGCAGAGGACTGAAAATCCTTGTGTCACCATTAGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257771 NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNCTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257772 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXNNNNNNNN-NNNNNNNNNNNTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTAAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257773 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATGCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTAAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257774 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATTCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTAAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257775 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTAGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAATAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257776 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTAGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257777 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGCAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAACTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257778 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGANNXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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AY257780 NNNNNNNNNNNNNNNNNNNNNNGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAAGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257781 AATTGGNTTGAGCCTTGGTATGGNAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCAGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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AY257783 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGAAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257784 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTTAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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AY257788 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATAACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACCATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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AY257790 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCCTCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257791 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATTAGTAAAATGATAATGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGCTTTTTTGCAGAGGACTGAAAATCCTTGTGTCACCATTAGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTTAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTn

AY257792 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------AAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257793 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTAAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257794 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

DQ013052 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTARAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAAGAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACNACAAYGAAAKTNATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------AGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

DQ013053 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCGAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCANACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACCTCGGTAATGGCCGGGATAGCTCAgttg

DQ013054 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGARAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGYTCTAACAAATGGAGTTCMCAACCTTGTGTKGATAAAGSAATCCTTCGATCAAAACTTCRAATAAAMAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTMACRCAANA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATRAACAAAATCGAAATGATGTGARTCAATTCGAA-----GTKTRAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTYTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

DQ013055 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATTAGTAAAATGATAATGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGCTTTTTTGCAGAGGACTGAAAATCCTTGTGTCACCATTAGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTTAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

DQ013056 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTATAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

DQ013057 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTCTTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

DQ013058 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTCTTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGANACCTCGGTAATGGCCGGGATAGCTCAgttg

DQ013059 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGGTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAATAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

DQ013060 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCAAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTAGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_DW AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTAGAATCTATATAAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_DY AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_DZ AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAAAAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------ATTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC------TTTTTTT---CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_EH AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCGATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_EQ AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT-GTTTTGAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------ATTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_ER AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAAGAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_ES AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCAATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATAAATATAGGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_ET AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTTGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCCAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_EU AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTATAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_EV AATTGGATTGAGCCTTGGTATGGAAACCTACCAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCCGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTNNNNNNNNNNNNNNNNNNNNNNNnnnn

trnLF\_EW AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTTTTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGANNNNNNNNNNNNNNNNNNNNNNNNNNNnnnn

trnLF\_EX AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAAGAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATAT---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------ATTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_EY AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTGTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTNNNNNNNNNNNNNNNNNNNNNNNnnnn

trnLF\_FB AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAAAGGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAANNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNnnnn

trnLF\_FC AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTAGAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACNNNNNNNNNNNNNNNNNNNNNNNNnnnn

trnLF\_FE AATTGGATTGAGCCTTGGTANGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCTATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNnnnn

trnLF\_FM AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-AATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGTAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_FQ AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCATAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCTATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATNNNNNNNNNNNNNNNNNNNNNNNNNNnnnn

trnLF\_FS AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAAAGGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCGATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGCTGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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trnLF\_GW AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATAC-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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trnLF\_GY NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAAGAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXNCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTTAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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trnLF\_HB NNNNNNNNNNNNNNNNNNNNNNNNNNCCTACTAAGTGATAACTTTCAAATTCAGCGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGCACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATAAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGCCACCTTACCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCTAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_HC AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGCGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGCACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTACTTTTTT--ATAAACAAAATCGAAATGATGTGAATAAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGCCACCTTACCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCTAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_HX AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAAACGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTCTTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_HZ AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTACATAAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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trnLF\_IS AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCCGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTCGAATCTATATAAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC--TTTTTTTTTTTG--CAGAGGNNNNNNNNNN------NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNnnnn

trnLF\_IX AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTGAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC--TTTTTTTTTGTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATAAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_KA AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCTATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAACGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTAATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_KC AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCGgttg

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trnLF\_KF AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAACtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-gtag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_KG AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAACTAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_KH AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn

trnLF\_LN AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTACTTTTTT--ATAAACAAAATCGAAATGATGTGAATAAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTTTTTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCTAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGANNNNNNNNNNNNNNNNNNNNNNNNNNNnnnn

trnLF\_EI AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTAAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATAATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTCC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------AGTAAAATGATACTGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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trnLF\_FG AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAATCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-TTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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trnLF\_GH NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAATCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCGATTTTTTT--ATAAACAAAATCGAACTGATGTGAATCAATTCGAA-----GTTTACGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGTAActtattaaTCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAANNNNNNNNNNNNNNNNNNNNNNXXXNCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

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AY257756 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GTTGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAA-------TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257757 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GTTGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCT-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAA-------TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257758 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GTTGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCGATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATAGTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAA-------TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

AY257760 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GTTGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------CGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

trnLF\_HL AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAAcaatgggcAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GTTGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAAtaatattcattGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAActtattaaTCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTtttt-ttag-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACtttt------gagttTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATacttc--------------------------------------cgtaaTGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATA-------CTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAgttg

ay122454 nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnctttcaaattcagagaaaccctggaattaacaatgggcaatcctgagccaaatcctggtttacgcgaacaaaccggagtttacaaagcgagaaaaaa-gggataggtgcagagactcaatggaagctgttctaacaaatggagttcactaccttgtgttgataaaggaatccttcgatcgaaacttcaaatcaaaagg-gatgaaggataaaaacctatattgtataaattta------ggtaacacaaaa-tgatctcaaaaatgacgacctgaatctcgatttctttttttttt-ataaacaaaatcgaaatgttgtgaatcaattcgaa-----gtttaagaaataatatttattgatcaaatgattcacttcatagtctgatagatccttgatggaacttattaatcggacgagaataaagatagagtcccattttac-atgtcaatactgacaacaatgaaatttatagtaaga-gXXX-----nct--cncnaaaagg-ntg----acaccttaccttttt-ttcg-ttattatata-tttgagttatttagaatctatatcatttttcattttaaaacttagaacgtctttttttatttagaagatccaagaaattcccgatccaaaactttttgaatttactactttt------gaggttcttttcattgacatagacctaagtcatatattaaaatgatactgatacttc----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------agtagatgatacttcggtaatggtagacatagc-------ttttttg--caaaggactcgaaatc------ctnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn

ES503 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXnnnnnnnn-nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn-nnnn-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGAnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn

ES514 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTATAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTG

ES524 AATTGGATTGAGCCT-GGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGAnnXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-TTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTG

ES526 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGACCCGTGGTGGAACTTATTAATCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACANCNATGAAATTTATAGTAAGATGXXXnnnnnnnn-nnnnnnnnnnnnnnnnnnnnnnCCTTACCTTTTT-TTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTG

ES645 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTACGGGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-TTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTG

ES649 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTTAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXnnnnnnnn-nnnnnnnnnnnnnnnnnnnnnnCCTTACCTTTTT-TTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTG

ES736 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTCTTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTnnnnnnnnnnnnXXXnnnnTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTG

ES903 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-TTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTG

ES904 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCNTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTG

ES910 AATTGGATTGAGCCTTGGTATGGAAACCTATTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTnnnnnnnnnnnnXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATnnnnnnnnnnnnnnnnnnn

ES913 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTG

TS105 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTACATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTG

TS120 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCGCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGCCGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-TTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTGTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAC-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTG

TS29 nnnnnnnnnnnnCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTG

TS67 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAnnnn

TS300 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXnnnnnnnnNnnnnnnnnnnnnnnnnnnnnnnCCTTACCTTTTT-TTAG-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn

TS28 nnnnnnnnnnnnCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATnXXXnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnT-TTAG-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn

TS78 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXnnnnnnnnNnnnnnnnnnnnnnnnnnnnnnnCCTTACCTTTTT-TTAG-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGAGAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn

TS290 nnnnnnnnTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTATGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACAACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATAAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-GTAG-TTATTATCCA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAAAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------AGTAAAATGATAA-TGATACTTCAGTAGATGATACCTCAGTAATGGTGGACATAGC-------TTTTTTG--CAGAGGACTGAAAATC------CTTGTGTCACCATTCGTAAAATGAGGATGATACTTCGGTAATGGCCGGGATAGCTCAGTTG

TS195 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXNNNNNNNNNNNNNnAAAAGGTTTGTTTGACACCTTACCTTTTT-TTAG-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------CGTAAAATAAGGA-TGATACTTC-----------------------------------------------------------------------------------------------------------GGTAATGGCnnnnnnnnnnnnnnnn

TS218 AATTGGATTGAGCCTTGGTATGGAAACCTACTAAGTGATAACTTTCAAATTCAGAGAAACCCTGGAATTAACAATGGGCAATCCTGAGCCAAATCCTGGTTTACGTGAACAAACCGGAGTTTAGAAAGCGAGAAAAAA-GGGATAGGTGCAGAGACTCAATGGAAGCTGTTCTAACAAATGGAGTTCACTACCTTGTGTTGATAAAGGAATCCTTCGATCAAAACTTCAAATCAAAAAG-GATGAAGGAGAAAAACCTATATTGTCTAAATATA------GGTAACACAAAA-CGATCTCAAAAATGACGACCTGAATCTCGATTTCTATTTTTTT--ATAAACAAAATCGAAATGATGTGAATCAATTCGAA-----GTTTAAGAAATAATATTCATTGATCAAATGATTCTCTTCATAGTCTGATAGATCCGTGGTGGAACTTATTAATCGGACGAGAATAAAGATAGAGTCCCATTTTAC-ATGTCAATACTGACAACAATGAAATTTATAGTAAGATGXXXGCTCTACT-CCCCAAAAAGGTCTGTTTGACACCTTACCTTTTT-TTAG-TTATTATCGA-TTTGAATTATTTAGAATCTATATCAGTTTTCATTTTCAAACTTAGAAAGTCTTCTTTTATTTATAAGATCCAAGAAATTCCCGGTCCAAAACTTTTTTAATTTACTACTTTT------GAGTTTCTTTTCATTGACAGAGACCCAAGTCATATATTAAAATGATACTGATACTTC--------------------------------------CGTAATGGTCGGCATAGCTTAATTGCGGAGGACTGAAAATCCTTGTGTCACCATT--------------------------------------------------------------------------------------------CGTAAAATAAGGA-TGATACTTC-----------------------------------------------------------------------------------------------------------GGTAATGGCCGGGATAGCTCAnnnn

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