

S2 File. ITS sequences obtained from samples and GenBank

S1-DG:

AATGCATAAAATATCTTCATCCAAAGGTTTGAAGTACAAGTGCAACCAACTCTAATGAC
ATGCCATACACGATGACTTAACGAGGGCAAGCCAAGACAAACCACCGCTCATCATGAA
ATACATGACATTAATGATTACCCTATTTAGCCAACCGCACTACTATGAGAACGGGAGA
GCCATATAAGCCCTACACCAACAAATGTTGTAGAGGCTACAATGCGTGACACCCAAGC
AGACGTGCCCTCAGCCCGAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGT
TCACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCA
AGAGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCGCA
CACAATCTTATGCATGGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCCGCG
CCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCCGATGACAC
CAAAGCCCCCTCAACACATTTGCAAACATGTTACAGGTTGTTTTGCTTTGCAGGATT
CGA

S2-DG:

AATGCATAAAATATCTTCATCCAAAGGTTTGAAGTACAAGTGCAACCAACTCTAATGAC
ATGCCATACACGATGACTTAACGAGGGCAAGCCAAGACAAACCACCGCTCATCATGAA
ATACATGACATTAATGATTACCCTATTTAGCCAACCGCACTACTATGAGAACGGGAGA
GCCATATAAGCCCTACACCAACAAATGTTGTAGAGGCTACAATGCGTGACACCCAAGC
AGACGTGCCCTCAGCCCGAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGT
TCACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCA
AGAGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCGCA
CACAATCTTATGCATGGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCCGCG
CCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCCGATGACAC
CAAAGCCCCCTCAACACATTTGCAAACATGTTACAGGTTGTTTTGCTTTGCAGGATT
CGA

S3-DG:

AATGCATAAAATATCTTCATCCAAAGGTTTGAAGTACAAGTGCAACCAACTCTAATGAC
ATGCCATACACGATGACTTAACGAGGGCAAGCCAAGACAAACCACCGCTCATCATGAA
ATACATGACATTAATGATTACCCTATTTAGCCAACCGCACTACTATGAGAACGGGAGA
GCCATATAAGCCCTACACCAACAAATGTTGTAGAGGCTACAATGCGTGACACCCAAGC
AGACGTGCCCTCAGCCCGAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGT
TCACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCA
AGAGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCGCA
CACAATCTTATGCATGGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCCGCG
CCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCCGATGACAC
CAAAGCCCCCTCAACACATTTGCAAACATGTTACAGGTTGTTTTGCTTTGCAGGATT
CGA

S4-DG:

AATGCATAAAATATCTTCATCCAAAGGTTTGAAGTACAAGTGCAACCAACTCTAATGAC
ATGCCATACACGATGACTTAACGAGGGCAAGCCAAGACAAACCACCGCTCATCATGAA
ATACATGACATTAATGATTACCCTATTTAGCCAACCGCACTACTATGAGAACGGGAGA
GCCATATAAGCCCTACACCAACAAATGTTGTAGAGGCTACAATGCGTGACACCCAAGC
AGACGTGCCCTCAGCCCGAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGT
TCACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCA

AGAGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCGCA
CACAATCTTATGCATGGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCCGCG
CCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCCGATGACAC
CAAAGCCCCCTCAACACATTTGCAAACATGTTACAGGTTGTTTTGCTTTGCAGGATT
CGA

S5-DG:

AATGCATAAAATATCTTCATCCAAAGGTTTGAAGTACAAGTGCAACCAACTCTAATGAC
ATGCCATACACGATGACTTAACGAGGGCAAGCCAAGACAAACCACCGCTCATCATGAA
ATACATGACATTAATGATTACCCTATTTAGCCAACCGCACTACTATGAGAACGGGAGA
GCCATATAAGCCCTACACCAACAAATGTTGTAGAGGCTACAATGCGTGACACCCAAGC
AGACGTGCCCTCAGCCGAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGT
TCACGGGATTCTGCAATTCACACCAAGTATCGCATTTGCTACGTTCTTCATCGATGCA
AGAGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCGCA
CACAATCTTATGCATGGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCCGCG
CCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCCGATGACAC
CAAAGCCCCCTCAACACATTTGCAAACATGTTACAGGTTGTTTTGCTTTGCAGGATT
CGA

S6-DG:

AATGCATAAAATATCTTCATCCAAAGGTTTGAAGTACAAGTGCAACCAACTCTAATGAC
ATGCCATACACGATGACTTAACGAGGGCAAGCCAAGACAAACCACCGCTCATCATGAA
ATACATGACATTAATGATTACCCTATTTAGCCAACCGCACTACTATGAGAACGGGAGA
GCCATATAAGCCCTACACAAACAAATGTTGTAGAGGCTACAATGCGTGACACCCAAGC
AGACGTGCCCTCAGCCGAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGT
TCACGGGATTCTGCAATTCACACCAAGTATCGCATTTGCTACGTTCTTCATCGATGCA
AGAGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCGCA
CACAATCTTATGCATGGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCCGCG
CCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCCGATCACAC
CAAAGCCCCCTCAACACATTTGCAAACATGTTACAGGTTGTTTTGCTTTGCAGGATT
CGA

S7-DG:

AATGCATAAAATATCTTCATCCAAAGGTTTGAAGTACAAGTGCAACCAACTCTAATGAC
ATGCCATACACGATGACTTAACGAGGGCAAGCCAAGACAAACCACCGCTCATCATGAA
ATACATGACATTAATGATTACCCTATTTAGCCAACCGCACTACTATGAGAACGGGAGA
GCCATATAAGCCCTACACAAACAAATGTTGTAGAGGCTACAATGCGTGACACCCAAGC
AGACGTGCCCTCAGCCGAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGT
TCACGGGATTCTGCAATTCACACCAAGTATCGCATTTGCTACGTTCTTCATCGATGCA
AGAGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCGCA
CACAATCTTATGCATGGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCCGCG
CCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCCGATCACAC
CAAAGCCCCCTCAACACATTTGCAAACATGTTACAGGTTGTTTTGCTTTGCAGGATT
CGA

S8-DG:

AATGCATAAAATATCTTCATCCAAAGGTTTGAAGTACAAGTGCAACCAACTCTAATGAC
ATGCCATACACGATGACTTAACGAGGGCAAGCCAAGACAAACCACCGCTCATCATGAA

ATACATGACATTAATGATTACCCTATTTAGCCAACCGCACTACTATGAGAACGGGAGA
GCCATATAAGCCCTACACAAACAAATGTTGTAGAGGCTACAATGCGTGACACCCAAGC
AGACGTGCCCTCAGCCCGAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGT
TCACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCA
AGAGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCGCA
CACAATCTTATGCATGGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCCGCG
CCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCCGATCACAC
CAAAGCCCCCTCAACACATTTGCAAACATGTTACAGGTTGTTTTGCTTTGCAGGATT
CGA

S9-DG:

AATGCATAAAATATCTTCATCCAAAGGTTTGAAGTACAAGTGCAACCAACTCTAATGAC
ATGCCATACACGATGACTTAACGAGGGCAAGCCAAGACAAACCACCGCTCATCATGAA
ATACATGACATTAATGATTACCCTATTTAGCCAACCGCACTACTATGAGAACGGGAGA
GCCATATAAGCCCTACACAAACAAATGTTGTAGAGGCTACAATGCGTGACACCCAAGC
AGACGTGCCCTCAGCCCGAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGT
TCACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCA
AGAGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCGCA
CACAATCTTATGCATGGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCCGCG
CCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCCGATCACAC
CAAAGCCCCCTCAACACATTTGCAAACATGTTACAGGTTGTTTTGCTTTGCAGGATT
CGA

S10-DG:

AATGCATAAAATATCTTCATCCAAAGGTTTGAAGTACAAGTGCAACCAACTCTAATGAC
ATGCCATACACGATGACTTAACGAGGGCAAGCCAAGACAAACCACCGCTCATCATGAA
ATACATGACATTAATGATTACCCTATTTAGCCAACCGCACTACTATGAGAACGGGAGA
GCCATATAAGCCCTACACAAACAAATGTTGTAGAGGCTACAATGCGTGACACCCAAGC
AGACGTGCCCTCAGCCCGAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGT
TCACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCA
AGAGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCGCA
CACAATCTTATGCATGGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCCGCG
CCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCCGATCACAC
CAAAGCCCCCTCAACACATTTGCAAACATGTTACAGGTTGTTTTGCTTTGCAGGATT
CGA

S11-DG:

AATGCATAAAATATCTTCATCCAAAGGTTTGAAGTACAAGTGCAACCAACTCTAATGAC
ATGCCATACACGATGACTTAACGAGGGCAAGCCAAGACAAACCACCGCTCATCATGAA
ATACATGACATTAATGATTACCCTATTTAGCCAACCGCACTACTATGAGAACGGGAGA
GCCATATAAGCCCTACACAAACAAATGTTGTAGAGGCTACAATGCGTGACACCCAAGC
AGACGTGCCCTCAGCCCGAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGT
TCACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCA
AGAGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCGCA
CACAATCTTATGCATGGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCCGCG
CCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCCGATCACAC
CAAAGCCCCCTCAACACATTTGCAAACATGTTACAGGTTGTTTTGCTTTGCAGGATT

CGA

S12-DG:

AATGCATAAAATATCTTCATCCAAAGGTTTGAAGTACAAGTGCAACCAACTCTAATGAC
ATGCCATACACGATGACTTAACGAGGGCAAGCCAAGACAAACCACCGCTCATCATGAA
ATACATGACATTAATGATTACCCTATTTAGCCAACCGCACTACTATGAGAACGGGAGA
GCCATATAAGCCCTACACAAACAAATGTTGTAGAGGCTACAATGCGTGACACCCAAGC
AGACGTGCCCTCAGCCCGAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGT
TCACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCA
AGAGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCGCA
CACAATCTTATGCATGGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCCGCG
CCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCCGATCACAC
CAAAGCCCCCTCAACACATTTGCAAACATGTTTACAGGTTGTTTTGCTTTGCAGGATT
CGA

S13-DG:

AATGCATAAAATATCTTCATCCAAAGGTTTGAAGTACAAGTGCAACCAACTCTAATGAC
ATGCCATACACGATGACTTAACGAGGGCAAGCCAAGACAAACCACCGCTCATCATGAA
ATACATGACATTAATGATTACCCTATTTAGCCAACCGCACTACTATGAGAACGGGAGA
GCCATATAAGCCCTACACAAACAAATGTTGTAGAGGCTACAATGCGTGACACCCAAGC
AGACGTGCCCTCAGCCCGAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGT
TCACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCA
AGAGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCGCA
CACAATCTTATGCATGGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCCGCG
CCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCCGATCACAC
CAAAGCCCCCTCAACACATTTGCAAACATGTTTACAGGTTGTTTTGCTTTGCAGGATT
CGA

S14-DG:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTATTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S15-DG:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG

AGCCGAGATATCCGTTGCCGAGAGTCATTATTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S16-DG:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTATTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S17-DG:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTATTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S18-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S19-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA

TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S20-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
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CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S21-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S22-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT

TCGA

S23-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S24-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S25-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCCAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S26-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG

AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S27-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCCAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S28-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S29-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S30-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCCAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA

TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S31-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S32-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S33-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT

TCGA

S34-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S35-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S36-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S37-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG

AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S38-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S39-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGCATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S40-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGCATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S41-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA

TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S42-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S43-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCNAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGNATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S44-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCCAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT

TCGA

S45-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S46-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCCAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S47-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCCAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S48-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG

AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S49-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCCAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S50-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCCAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S51-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCCAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S52-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCCAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA

TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S53-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S54-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S55-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT

TCGA

S56-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S57-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S58-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTCATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S59-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG

AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTCATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S60-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTCATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S61-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTCATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S62-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTCATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S63-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA

TACATGACATTAATGGT TACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTCATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S64-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGT TACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTCATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S65-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGT TACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTCATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S66-DR:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
AATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGT TACTCTATTTCAACCAACCACACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT

TCGA

S67-DR:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
AATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCACACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S68-DR:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
AATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCACACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S69-DR:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
AATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCACACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S70-DR:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
AATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCNC ACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG

AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S71-DR:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
AATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCNCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S72-DR:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
AATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCNCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S73-DR:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
AATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCACACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S74-DR:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
AATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA

TACATGACATTAATGGTACTCTATTTCAACCAACCACACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S75-DR:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
AATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCNCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S76-DR:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
AATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCACACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S77-DR:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
AATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCNCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT

TCGA

S78-DR:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
AATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCNCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTATCACAATTCCTTGGCACAATCC
GTGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S79-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S80-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S81-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG

AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S82-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S83-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S84-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGNAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S85-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA

TACATGACATTAATGGT TACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S86-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGT TACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S87-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGT TACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAAGTTGTTCTGCTTTGCAGGAT
TCGA

S88-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGT TACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGCGTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAAGTTGTTCTGCTTTGCAGGAT

TCGA

S89-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGAAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAAGTTGTTCTGCTTTGCAGGAT
TCGA

S90-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAAGTTGTTCTGCTTTGCAGGAT
TCGA

S91-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTACAAGTTGTTCTGCTTTGCAGGAT
TCGA

S92-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTCGCTACGTTCTTCATCGATGCAAG

AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGGAGCAAATGA
CACCAAGCCCCCTCAACACATTTGTAAACATGTTTCACAGGTTGTTCTGCTTTGCAGGAT
TCGA

S93-DT:

AATGCGTACTATTATCTTCATCCAAAGGTTTGCAGTACAGATGCAACCAACTCTAATGA
CATGCCACATGATGACTTAACGAGGGCAAGCCAAGGCAAACCACCGCTCATCATGAAA
TACATGACATTAATGGTTACTCTATTTCAACCAACCGCACTACTATGAGTACGGGAGAG
CCATATCAGTCCTACACCAATTACTGTTGTAGAGCCTACAATGCGTGACACCCAGGCAG
ACGTGCCCTCGACCAAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTC
ACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCAAG
AGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATACATATCACGTATTACCCACA
CAATCTTATGTTAGATAGATGGGAAAACGTTTCATTTATCACAATTCCTTGGCACAATCC
GCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCGAGAGGAGATGNAGCAAATGA
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TCGA

Thymelaea aucheri-AJ549445.1

GATGCGTGCTATCTTCATCCAAAAGTCTGAAGTAGAGAAGCAACCAACTCTAGTGATG
TGCTGCACACGATGACTTAACGAGGGCAAGCCAAGACAAACCACCGCTCATCGTGCC
ATACACCACATTAAGGTTACTCTATTTGGGCCAACCGCACTACTGTGAGTACGGGAGAG
CCAATATCAGCCCACACA ACTATTGTAAAGGCTACGATGCGTGACACCCAGGCAGACG
TGCCCTCGGCCCGAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGTTCACGG
GATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCGAGAGCC
GAGATATCCGTTGCCGAGAGTCGTTCTGTGTAATACATATCACGCATTACCCACACAAT
CTTGTGTTAAGATGTATGGGGTAAAAACGTTTCATTTGTCACAATTCCTTGGCGCATT
CACGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCAAGTGAAAATGGAGCCAATG
GCTACATTCCCCCTTAACACATTTACTAACATGTTTCACGGGTTGTTCTGCTTTGCAGGAT
TCGA

Thymelaea dioica-AJ549468.1

GATGCGCACTGTCTTCGTTTCGAAAGTCTGAAGTACAAAAGCAACCAACTTTAGTGATG
TGCTGCACACGATGACTTAACGAGGGCAAGCCAAGACAAACCACCGCTCATCGTGCC
ATACACCACATTAGGGTTACTCTATTTGGGCCAACCGTACTACTATGAGTATGGGAGAG
CCAATATCAGCACCACACCAACAGCTGTTGTATGGGCTACGATGCGTGACACCCAGGC
AGACGTGCCCTCGGCCCGAAGGCTTGGGGCGCAACTTGC GTTCAAAGACTCGATGGT
TCACGGGATTCTGCAATTCACACCAAGTATCGCATTTTCGCTACGTTCTTCATCGATGCG
AGAGCCGAGATATCCGTTGCCGAGAGTCGTTCTTTATAATACATATCACGCATTACCCCA
CACAATCTGTGTTGGATGCATGAGGAAAATGCTTTATTTATCACAATTCCTTGGCGCAA
TCCGCGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCAAGAAGAAATGGAGCCAA
AGGCTGCATTCCCCCTCAACACATTTGCTAACATGTTTCACAGGTTGTTCTGCTTTGCAG
GATTCGA

Daphne blagayana isolate DB45_SL-GQ167491.1

AGCGGGTATTCCCGCCTGACCTGGGGTCGCAATGCGTACTATCTTCAACCAAAGGTTTG
AAGTACAATGCAACCAACTCTAATGACATGCTATACACGATGACTTAACGAGGGCAAG

CGAAGACAAACCACCGCTCATCATGAAATACATGACATTAAGGTTACTCAATTTCAAC
CAACCGCACTACTATGAGGACGGGAGAGCCATTCTCAGCCCTACACAGACTAATCTTGT
AGAGGCTACAATGCGTGACACCCAGGCAGACGTGCCCTCGGCCCGAAGGCTTGGGGC
GCAACTTGCCTCAAAGACTCGATGGTTCACGGGATTCTGCAATTCACACCAAGTATC
GCATTTGCTACGTTCTTCATCGATGCGAGAGCCGAGATATCCGTTGCCGAGAGTCATT
CTTTATAATACATATCACGCATTACCCCATACAATCTAATGTTAGATGCATGGGGAAATCG
TTTCATTTTTCAAATTCCTTGGCACAATCCGCGCCGGGGTTGGTTATCTTGGCCACATG
AGCCAGTTGAGAGGAGATGGAGCCAATGACACCAAGCCCCCTCAACACATTTGCAAA

Daphne cneorum-AJ549490.1

AATGCGTAATATTATCTTCATCCAAAGGTTTGAAGTACAAATGCAACCAACACCAATGA
CATGCTATACACGATGACTTAACGAAGGCAAGCCAAGACAAACCACCGCTCATCATGA
AATACATGACATTAATGGTTACCCTATTTAGCCAACCGCACTACTATGAGGACGGGAG
AGCCATATCAGCCCTACACCCACAAATTTGTAGAGGCTACAATGCGTGACACCCAGG
CAGACGTGCCCTCAACCCGAAGGCTTGGGGCGCAACTTTCGTTCAAAGACTCGATGG
TTCACGGGATTCTGCAATTCACACCAAGTATCGCATTTGCTACGTTCTTCATCGATGCA
AGAGCCGAGATATCCGTTGCCGAGAGTCATTCTTTATAATATACATATCACGCATTACCA
CACACAATCTTATGTTAGATGGCATGGGGAAAACGTTTCATTTATCACAATTCCTTGGCA
CAATCCGTGCCGGGGTTGGTTATCTTGGCCACATGGGCCAGTCAAGAGGAGATGGAGC
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TTGCAGGATTCGA