

>NEIS1969_1

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCGTGACTAACCTGACCAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGAAACCACC
AACGCCTTGAATAAATTGGGAGAAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTCAACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAAACAGACGGCCGAAGAAACCAAACAAAACGTCGATGCCAAA
GTAAAAGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGCTGATATTGCTAAAAAAGTCAAGCAGCATCGACAGCTTGGACAAAAACGTA
GCTAATCTGCGCAAAAGAAACCCGCCAAGGCCTTGCAAGAACAAAGCCGCGCTCTCCGCGCTG
TTCCAACCTTACAACGTGGGTCTGGTTCAATGTAACGGCTGCAGTGGCGGGCTACAAATCC
GAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCGCCAAAGCA
GGCGTGGCAGTCGGCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGGCTCAATTAC
GAGTGGTAA

>NEIS1969_2

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCGTGACTAACCTGACCAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTCTGGATGCAACCACCAACGCCTTGAATAAATTGGGA
GAAAATATAACGACATTTGCTGAAGAGACTAAGACAAATATCGTAAAAATTGATGAAAAA
TTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAGCATTCAACGATATCGCCGAT
TCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTCAAACCCGCCAATGAAGCCAAA
CAGACGGCCGAAGAAACCAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAAACTGCC
GCTGGCACAGCTAATACTGCAGCCGACAAGCCGAAGCTGTCGCTGCAAAAAGTTACCGAC
ATCAAAGCTGATATCGCTACGAACAAAGATAATATTGCTAAAAAAGCAAACAGTGCCGAC
GTGTACACCAGAGAAGAGTCTGACAGCAAAATTTGTGAGAATTGATGGTCTGAACGCTACT
ACCGAAAAATTGGACACAGCTTGGCTTCTGCCGAAAAATCCATTACCGAACACGGTACG
CGCCTGAACGGTTTGGATAGAACAGTGTGACAGCTGCGTAAAGAAACCCGCCAAGGCCTT
GCAGAACAAAGCCGCGCTCTCCGGTCTGTTCCAACCTTACAACGTGGGTCTGGTTCAATGTA
ACGGCTGCAGTGGCGGGCTACAAATCCGAATCGGCAGTCGCCATCGGTACCGGCTTCCGC
TTTACCGAAAACCTTTGCCGCCAAAGCAGGCCTGGCAGTCGGCACTTCGTCCGGTTCTTCC
GCAGCCTACCATGTCCGGCTCAATTACGAGTGGTAA

>NEIS1969_3

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCAAGCAGTACTAACCTGACCAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTCTGGATGCAACCACCAACGCCTTGAATAAATTGGGA
GAAAATATAACGACATTTGCTGAAGAGACTAAGACAAATATCGTAAAAATTGATGAAAAA
TTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAGCATTCAACGATATCGCCGAT
TCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTCAAACCCGCCAATGAAGCCAAA
CAGACGGCCGAAGAAACCAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAAACTGCA
GCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACTGCAGCCGACAAGGCCGAAGCT
GTCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCTACGAACAAAGATAATATTGCT
AAAAAAGCAAACAGTCCGACGCTGTACACCAGAGAAGAGTCTGACAGCAAAATTTGTGAGA
ATTGATGGTCTGAACGCTACTACCGAAAAATTTGGACACACGCTTGGCTTCTGCCGAAAAA
TCCATTACCGAACACGCTACCGCCTGAACGGTTTGGATAGAACAGTGTGACAGTTCGCT
AAAGAAACCCGCCAAGGCCTTGCAAGAACAAAGCCGCGCTCTCCGGTCTGTTCCAACCTTAC
AACGTGGGTCTGGTTCAATGTAACGGCTGCAGTGGCGGGCTACAAATCCGAATCGGCAGTC
GCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCGCCAAAGCAGGCCTGGCAGTC
GGCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGGCTCAATTACGAGTGGTAA

>NEIS1969_5

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT

GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGCTTGGGTCTGAAAAAAGTCGTGACTAACCTGACCAAAACCGTCAATGAAAA
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGCAACCACC
AACGCCTTGAATAAATTTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTCAACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAACAGACCGCCGAAGAAACCAACAAAACGTCGATGCCAAA
GTAAAAGCTGCAGAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGATAAATATTGCTAAAAAAGCAAAACAGTGCCGACGTGTACCCAGAGAAGAG
TCTGACAGCAAATTTGTCAGAATTGATGGTCTGAACGCTACTACCGAAAAATTTGGACACA
CGCTTGGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGGCCTGAACGGTTTGGAT
AGAACAGTGTGACACCTGCGTAAAGAAACCCGCCAAGGCCCTTGAGAACAAGCCGCGCTC
TCCGGTCTGTTCCAACCTTACAACGTGGGTTCGTTCAATGTAACGGCTGCAGTCGGCGGC
TACAAATCCGAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCC
GCCAAAGCAGGCGTGGCAGTCGGCACTTCCGCGGTTCTTCCGAGCCTACCATGTCGGC
GTCAATTACGAGTGGTAA

>NEIS1969_6

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGCTTGGGTCTGAAAAAAGTCGTGACTAACCTGACCAAAACCGTCAATGAAAA
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGCAACCACC
AACGCCTTGAATAAATTTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTCAACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAACAGACCGCCGAAGAAACCAACAAAACGTCGATGCCAAA
GTAAAAGCTGCAGAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGATAAATATTGCTAAAAAAGCAAAACAGTGCCGACGTGTACCCAGAGAAGAG
TCTGACAGCAAATTTGTCAGAATTGATGGTCTGAACGCTACTACCGAAAAATTTGGACACA
CGCTTGGCTTCTGCTGAAAAATCCATTGCCGATCACGATACTCGCCTGAACGGTTTGGAT
AAAACAGTGTGACACCTGCGCAAAGAAACCCGCCAAGGCCCTTGAGAACAAGCCGCGCTC
TCCGGTCTGTTCCAACCTTACAACGTGGGTTCGTTCAATGTAACGGCTGCAGTCGGCGGC
TACAAATCCGAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCC
GCCAAAGCAGGCGTGGCAGTCGGCACTTCCGCGGTTCTTCCGAGCCTACCATGTCGGC
GTCAATTACGAGTGGTAA

>NEIS1969_7

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGCTTGGGTCTGAAAAAAGTCGTGACTAACCTGACCAAAACCGTCAATGAAAA
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGCAACCACC
AACGCCTTGAATAAATTTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTCAACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAACAGACCGCCGAAGAAACCAACAAAACGTCGATGCCAAA
GTAAAAGCTGCAGAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGATAAATATTGCTAAAAAAGCAAAACAGTGCCGACGTGTACCCAGAGAAGAG
TCTGACAGCAAATTTGTCAGAATTGATGGTCTGAACGCTACTACCGAAAAATTTGGACACA
CGCTTGGCTTCTGCTGAAAAATCCATTGCCGATCACGATACTCGCCTGAACGGTTTGGAT
AAAACAGTGTGACACCTGCGCAAAGAAACCCGCCAAGGCCCTTGAGAACAAGCCGCGCTC
TCCGGTCTGTTCCAACCTTACAACGTGGGTTCGTTCAATGTAACGGCTGCAGTCGGCGGC
TACAAATCCGAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCC
GCCAAAGCAGGCGTGGCAGTCGGCACTTCCGCGGTTCTTCCGAGCCTACCATGTCGGC
GTCAATTACGAGTGGTAA

>NEIS1969_8

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC

TTTAAAGGTCTGGGTCTGAAAAAGTCTGACTAACCTGACCAAACCGTCAATGAAAA
AAACAAAACGTTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGCAACCACC
AACGCCTTGAATAAATTTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAATTTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTCAACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAGCCGTC
AAAACCGCAATGAAGCCAAACAGACGGCCGAAGAAACCAACAAAACGTTCGATGCCAAA
GTAAAAGCTGCAGAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTTCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGATAATATTGCTAAAAAGCAAACAGTGCCGACGTGTACACCAGAGAAGAG
TCTGACAGCAAATTTGTCAGAAATTTGATGGTCTGAACGCTACTACCGAAAAATTTGGACACA
CGCTTGGCTTCTGCTGAAAAATCCATTGCCGAACACGGTACGCGCCTGAACGGTTTGGAT
AAAACAGTGTGACACTGCGCAAAGAAACCGCCAAGGCCTTGCAGAACAGCCGCGCTC
TCCGGTCTGTTCCAACCTTACAACGTGGGTTCGTTCAATGTAACGGCTGCAGTCGGCGGC
TACAAATCCGAATCGGCAGTCCGCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCC
GCCAAAGCAGCGTGGCAGTCCGCACTTCGTTCCGGTTCCTCCGACGCTACCATGTCGGC
GTCAATTACGAGTGGTAA

>NEIS1969_9

ATGAAACACTTTCAATCCAAAGTACTGACCCGAGCCATCCTTGCCCTCTCTGTAGCGGC
CGCTGGCGGCATCAAACAGTGTAGACCCGAGGTCACTCGACCACAGCTCGAGAAGTTG
CCACAGCCGCTGGTTGGAGCCTACAACAATGCCAAGAATCAACGGTTTCAAAGTTCG
GAGACACCATCTACGACATTAATGGAAGCGCGGAAATTACCCAAAAGAAGCAACCCAAG
AAGATGTCGATAACGACGACTTTAAAGGTCTGGGTCTGAAAGAAGTCTGGCTCAACACG
ACCAAAGCCTTGCCGACCTGACCGGAATCGTCGAGGAAAACAGCGAAGCATTGGTAAAAA
CCGCCAAGGTTGTCAATGACATCAGTGCAGTGTTCATTGACAACACAGCAGCTATCGGGG
AAAACAAAGCTGTATTCGCCAAAAGGCAGATCAAACCGCATTGGATGCAGTATCCGAAA
AGGTAACCGCAAATGAAACTGCTATCGCTACAAAAGCAGACAAAACCGAACTGGATAAAG
TGTCCGGCAAAGTAACCGCAAACGAGACTGCTATCGCTACAAAAGCAGACAAAACCGAAC
TGGATAAAGTGTCCGGCAAAGTAACCGCAAACGAGACTGCTATCGCTACAAAAGCAAACA
GTGCCGACGTGTACACTAAAGCTGAGGTGTACACCAAACAGAGTCTGACAACAGATTTG
TCAAATTTGGTGACAGAATCGGTAATCTGAACACTACTGCCGATGGATTGGATACACGCT
TGAAGACTGCCGAAAAAACCTTACCAGAACACGGTACGCGCTGGACGGCTTGGATAAAA
CAGTGTCAAACCTGCGTAAAGAAACCGCCAAAGGCCCTTGCAGAACAGCCGCGCTCTCCG
GCCTGTTCCAACCTTACAACGTGGGTTCGTTCAATGTAACGGCTGCAGTCGGCGGCTACA
AATCCGAATCGGCAGTCCGCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCCA
AAGCAGGCGTGGCAGTCCGCACTTCGTTCCGGTTCCTCCGACGCTACCATGTCGGCGTCA
ATTACGAGTGGTAA

>NEIS1969_10

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCTGACTAACCTGACCAAAAACCGTCAATGAAAA
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTCTGGATGCAACCACCAACGCTTGAATAAATTGGGA
GAAAATATAACGACATTTGCTGAAGAGACTAAGACAAATATCGTAAAAATTTGATGAAAA
TTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAGCATTCAACGATATCGCCGAT
TCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTCAAAACCGCCAAATGAAGCCAAA
CAGACGGCCGAAGAAACCAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAAAACGCA
GCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACTGCAGCCGACAAGCCGAAGCT
GTCGCTGCAAAAGTTACCGACATCAAAGCTGATATCGCTACGAACAAAGATAATAATTGCT
AAAAAAGCAAACAGTGCAGCAGTGTACACCAGAGAAGAGTCTGACAGCAAATTTGTGAGA
ATTGATGGTCTGAACGCTACTACCGAAAAATTTGGACACACGCTTGGCTTCTGCCGAAAA
TCCATTACCGAACACGCTACCGCCTGAACGGTTTGGATAGAACAGTGTGACACTGCGT
AAAGAAACCCGCCAAGGCCCTTGCAGAACAGCCGCGCTCTCCGGTCTGTTCCAACCTTAC
AACGTGGGTTCGTTCAATGTAACGGCTGCAGTCGGCGGCTACAAATCCGAATCGGCAGTC
GCCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCCAAAGCAGGCGTGGCAGTC
GGCACTTCGTTCCGGTTCCTCCGACGCTACCATGTCGGCGTCAATTATGAGTGGTAA

>NEIS1969_11

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAAAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCTGACTAACCTGACCAAAAACCGTCAATGAAAA
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTCTGGATGCAACCACCAACGCTTGAATAAATTGGGA
GAAAATATAACGACATTTGCTGAAGAGACTAAGACAAATATCGTAAAAATTTGATGAAAA

TTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAGCATTCAACGATATCGCCGAT
TCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTCAAACCCGCAATGAAGCCAAA
CAGACGGCCGAAGAAACCAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAACTGCA
GCAGCCAAAGCCGAAGCTGCCGTGGCAGACTAATCTGCAGCCGACAAGCCGAAGCT
GTCGCTGCAAAAGTTACCGACATCAAAGCTGATATCGCTACGAACAAAGATAAATATTGCT
AAAAAAGCAAACAGTGCAGCAGTGTACACCAGAGAAGAGTCTGACAGCAAATTTGTCAGA
ATTGATGGTCTGAACGCTACTACCGAAAAATTTGGACACACGCTTGGCTTCTGCCGAAAA
TCCATTACCGAACACGGTACGCGCTGAACGGTTTGGATAGAACAGTGTGACAGCCTGCGT
AAAGAAACCCGCCAAGGCCTTGCAGAACAGCCGCGCTCTCCGGTCTGTTCCAACCTTAC
AACGTGGGTCCGTTCAATGTAACGGCTGCAGTCCGGCGGCTACAAATCCGAATCGGCAGTC
GCCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCCAAAGCAGGCGTGGCAGTC
GGCACTTCGTCGGTCTTCCGACGCTACCATGTCCGGCTCAATTACGAGTGGTAA

>NEIS1969_12

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCTTCCACTGACGAAATTGCCAAAGCCGCCCTGGTTGGAG
TCTACAACAATACCCAAGACATCAACGGATTCAAAGTCGGAGACACCATCTACGACATTG
AAAATGGCCAGCCTAAAGGAAGACCAGCAACAGAAGACGATGTTAAAGCCGATGACTTCG
GCGGTCTGGGTCTGAAAGAAGTCTTGGCTCAACACGACCAAAGCCTTGCCGACCTGACCG
GAACCGTCGAGGAAAACAGCGAAGCATTGGTGAAAACCGCCGAGGTTGTCAATGACATCA
GTGCCGATGTCAAAGCCAACACAGCAGCTATCAGGGAAAACAAGCTGCTATCGCTACAA
AAGCAGACAAAACCGAAGTGGATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTGCTA
TCGGTAAAAAAGCAAACAGTGCAGCAGTGTACACTAAAGCTGAGGTGTACACCAAACAAG
AGTCTGACAACAGATTTGTCAAATTTGGTGACAGAATCGGTAATCTGAACACTACTGCCA
ATGGATTGGAGACACGCTTGGCCGATGCCGAAAAATCCGTTAAAGACCACGGTACGCGCT
TGGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATAGAA
CAGTGTGACAGCTGCGCAAAGAAACCCGCCAAGGCCTTGCAGAACAGCCGCGCTCTCCG
GCTGTTCCAACCTTACAACGTGGGTCCGTTCAATGTAACGGCTGCAGTCCGGCGGCTACA
AATCCGAATCGGCAGTCCCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCCA
AAGCAGGCGTGGCAGTCCGCCTTCGTCGGTCTTCCGACGCTACCATGTCCGGCTCA
ATTACGAGTGGTAA

>NEIS1969_13

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCCTGGGTCTGAAAAAAGTCTGACTAACCTGACCAAAACCGTCAATGAAAA
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTTGGATGCAACCACCAACGCTTGAATAAATTTGGGA
GAAAATATAACGACATTTGCTGAAGAGACTAAGACAAATATCGTAAAAATTTGATGAAAA
TTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAGCATTCAACGATATCGCCGAT
TCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTCAAACCCGCAATGAAGCCAAA
CAGACGGCCGAAGAACCAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAACTGCA
GCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACTGCAGCCGACAAGGCCGAAGCT
GTCGCTGCAAAAGTTACCGACATCAAAGCTGATATCGCTACGAACAAAGATAAATATTGCT
AAAAAAGCAAACAGTGCAGCAGTGTACACCAGAGAAGAGTCTGACAGCAAATTTGTCAGA
ATTGATGGTCTGAACGCTACTACCGAAAAATTTGGACACACGCTTGGCTTCTGCCGAAAA
TCCATTACCGAACACGGTACGCGCTGAACGGTTTGGATAGAACAGTGTGACAGCCTGCGT
AAAGAAACCCGCGCAAGGCTTGCAGAACAAAGCCGCGCTCTCCGGTCTGTTCCAACCTTAC
AACGTGGGTCCGTTCAATGTAACGGCTGCAGTCCGGCGGCTACAAATCCGAATCGGCAGTC
GCCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCCAAAGCAGGCGTGGCAGTC
GGCACTTCGTCGGTCTTCCGACGCTACCATGTCCGGCTCAATTACGAGTGGTAA

>NEIS1969_16

ATGAAACACTTTCAATCCAAAGTACTGACCCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCCTGGGTCTGAAAAAAGTCTGACTAACCTGACCAAAACCGTCAATGAAAA
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTCTGGATGCAACCACCAACGCTTGAATAAATTTGGGA
GAAAATATAACGACATTTGCTGAAGAGACTAAGACAAATATCGTAAAAATTTGATGAAAA
TTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAGCATTCAACGATATCGCCGAT
TCATTGGATGAAACCAACACTAGGGCGTGTCTCAATTTAACTTAGCATGAATAATAGAG
CAAGCCAAGTAAAGCATCGATTTAAAATACGAGCTAATTTCTCATAGCGAGTAGCAATA
CTACGAAACTGCTTTAATCGTCAAAATGCATTTCTCGACTAAGTGGCGTAATTTATAAAGG
TAGCTATCAAATCAGGGTTAGGTTTCTTGGCATTTTTACGCTTTGGTATAATAGCTTTC
ATACCGTGTCTATCGCTTTATCTCTGATTTCTTGGCAGTCAATCCCTTTGTCAGCGATA
AAATACTGGGCTCTTGTATGACTTCTATCAAGTCGTTTGAACCTTGACCGTCCGTGCACG

TTACCCCCAGTGACTTTAAAAATCGAGCGGATTTCCATGCGAGTCCACACATAGGTGTATT
TTTGTTCGTGTTTCCGCCACGGCTTTGTCCAATTGCTCTATCGAAACCACGCCGAGCTCCA
CTTGCATGTTGATGACACCCGTACATAAATTCCGTCGATGAATACCCATTTCTTTGTCAATT
TCTTTTCGTAGATCAAAAAAATTTCTGCCACAAGCCTTTTGTAGACCATCGGTTAAAGC
GGTTATAAGCGGTTTTCCATGACCCTAGCTCAATAGGTATGTCTCGCCATGGTGCACCTG
TTCTTAGCTTCCATAGTATGGCTTCCATCACGGTACGGTCTTCTTCCATTGATGACAGC
CGTGGCTTTTCATGGTTGTTTGTAAATTGTTCCCATATGTTGTCAGTTATTGCGGTTCTCG
ACATTGTTTGTGTTTGCCTATATTTTCGTTGGAATATAGGGTTAAAAATAGGGCTCTTTTGG
GCTTATTCAAATTAGGGACACGCCCTAAGGCAGACGAAGCCGTCAAACCGCCAATGAAG
CCAAACAGACGGCCGAAGAAACCAAAACAAACGTCGATGCCAAAGTAAAAGCTGCAGAAA
CTGCCGCTGGCAGACTAATACTGCAGCCGACAAGGCCGAAGCTGTGCTGCAAAAAGTTA
CCGACATCAAAGCTGATATCGCTACGAACAAAGATAATATTGCTAAAAAAGCAAACAGTG
CCGACGTGTACACCAGAGAAGAGTCTGACAGCAAATTTGTGAGAATTGATGGTCTGAACG
CTACTACCGAAAAATTGGACACACGCTTGGCTTCTGCCGAAAAATCCATTACCGAACACG
GTACGGCCTGAACGGTTTGGATAGAACAGTGTGACAGCTGCGTAAAGAAACCCGCCAAG
GCCTTGCAAGCAAGCCGCTCTCCGGTCTGTTCCAACCTTACAACGTGGGTCTGGTTCA
ATGTAACGGCTGCAGTCCGGCTTACAAATCCGAATCGGCAGTCCCATCGGTACCGGCT
TCCGCTTTACCGAAAACCTTTGCCGCAAAGCAGGCGTGGCAGTCCGCACCTTCGTCCGGTT
CTTCCGCAGCTTACCATGTCCGCGTCAATTACGAGTGGTAA

>NEIS1969_19

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATTGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGCTTGGGTCTGAAAAAAGTCTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGAAAACCACC
AACGCCTTGAATAAATTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTCACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAAACAGACGGCCGAAGAAACCAAAACAAACGTCGATGCCAAA
GTAAGGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGCTGATATTGCTAAAAACTCAGCACGCATCGACAGCTTGGACAAAACGTA
GCTAATCTGCCCAAAGAAACCCGCCAAGGCCCTTGCAGAACAGCCGCGCTCTCCGGCCTG
TTCCAACCTTACAACGTGGGTCTGGTTCAATGTAACGGCTGCAGTCCGGCGGTACAAATCC
GAATCGGCAGTCGCCACTCGGTACGGCTTCCGCTTTACCGAAAACCTTTGCCGCAAAGCAG
GCGTGGCAGTCCGCACTTCCGTTCTCCGCTTCCGCGAGCCTACCATGTCCGGCTCAATTACG
AGTGGTAAGCAGCATCTCCCATAAAGAAACCCGACGCCCTGCAAGGCTGCGGTTTTTTATT
TTCTATCCGGCCGTGACACTGCCGCTCCGAAAGCTTCGCCCGTGGGATACGGATTGCCT
CCTCAACCGGCAGCACAAAAATCTTCCGCTCGCCGATTTTCCCGAACCGGCCACCTCGA
CAATCACGTCAATCGCGGCTTCCACAGCATCATCCGCCAACACCAGCTCGATTTTGA

>NEIS1969_20

ATGAAACACTTTCCAATCCAAAGTACTGACCGCAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATTGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGCTTGGGTCTGAAAAAAGTCTGACTAACCTGACCAAAACCGTCAATGAAAACA
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTG
CCGCTGGCAGCTAATACTGCAGCCGACAAGGCCGAAGCTGTGCTGCAAAAAGTTACCG
ACATCAAAGCTGATATCGCTACGAACAAAGATAATATTGCTAAAAAAGCAAACAGTCCCG
ACGTGTACACCAGAGAAGAGTCTGACAGCAAATTTGTCAGAATTGATGGTCTGAACGCTA
CTACCGAAAAATTGGACACACGCTTGGCTTCTGCTGAAAAATCCATTGCCGATCACGATA
CTCGCCTGAACGGTTTTGGATAAAAACAGTGTGACAGCTGCGCAAAGAAACCCGCCAAGGCC
TTGCAGAACAAAGCCGCGCTCTCCGGTCTGTTCCAACCTTACAACGTGGGTCTGGTTCAATG
TAACGGCTGCAGTCCGGCGGTACAAATCCGAATCGGCAGTCCCATCGGTACCGGCTTCC
GCTTTACCGAAAACCTTTGCCGCAAAGCAGGCGTGGCAGTCCGCACCTTCGTCCGGTTCTT
CCGCGCCTACCATGTCCGGCTCAATTACGAGTGGTAA

>NEIS1969_22

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATTGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGCTTGGGTCTGAAAAAAGTCTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTTGGATGCAACCACCAACGCTTGAATAAATTGGGA
GAAAATATAACGACATTTGCTGAAGAGACTAGGGCGTGTCTCAATTTAACTTAGCATGA

ATAATAGAGCAAGCCAAGTAAAGCATCGATTTAAAATTACGAGCTAATTTCTCATAGCGA
GTAGCAATACTACAGAAACTGCTTTAATCGTGCAAATGCATTTCTCGACTAAGTGGCAGTA
ATTTATAAAGGTAGTACTCAAAAATCAGGGTTAGGTTTCTTGGCATTTTTACGCTTTGGTA
TAATAGCTTTTATACCTGTCTTATCTCTGATTTCTTGGCAGTGCATACCCCTT
TGTCAGCGATAAAAATACTGGGCTTCTTGTATGACTTCTATCAAGTCGTTTGAACCTGAC
CGTCGTGCACGTTACCCCCAGTGACTTTAAAAATCGAGCGGATTTCCATGCGAGTCCACAC
ATAGGTGTATTTTTGTGCTGTTTCCGCCACGGCTTTGTCCAATTGCTCTATCGAAACCAC
GCCGAGCTCCACTTGCATGTTGATGACACCGTACATAACTTCCGTCGATGAATACCCATT
CTTTGTCAATTTCTTTTCTGATGATCAAAAAAAATTTCTGCCACAAGCCTTTTTTAGACCA
TCGGTTAAAGCGGTTATAAGCGGTTTTCCATGACCCTAGCTCAATAGGTATGTCTCGCCA
TGGTGCACCTGTCTTAGCTTCCATAGTATGGCTTCCATCAGGTACGGTCGTTCTTCCA
TTGATGACAGCCGTGCGCTTTCATGGTTGTTTGTAAATGTTCCCATATGTTGTCAGTTAT
TGCGGTTCTCGCCATTGTTTGTGTTGCTTATATTTCTGTTGGAATATAGGGTTAAAATAG
GGCTCTTTTGGGCTTATTCAAATTAGGGACACGCCCTAAGACAAAATATCGTAAAAATTGA
TGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAGCATTCAACGATAT
CGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTCAAAACCGCCAATGA
AGCCAAACAGACGGCCGAAGAAACCAAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGA
AACTGCCGCTGGCACAGCTAACTGTCAGCCGACAAGGCCGAAGCTGTCGCTGCAAAAAGT
TACCGACATCAAAGCTGATATCGCTACGAACAAAGATAATATTGCTAAAAAAGCAAACAG
TGCCGACGTGTACACCAGAGAAGAGTCTGACAGCAAATTTGTCAGAATTGATGGTCTGAA
CGTACTACTCCGAAAATTTGGACACAGCTTGGCTTCTGCCGAAAATCCATACCGAACA
CCGTACGCGCCTGAAACGGTTTGGATAGAACAGTGTGACACCTGCGTAAAGAAACCCGCCA
AGGCCTTGCAGAAACAGCCGCGCTCTCCGGTCTGTTCCAACCTTACAACGTGGGTGCGGT
CAATGTAACGGCTGACAGTCGGCGGCTACAAATCCGAATCGGCAGTCGCCATCGGTACCGG
CTTCCGCTTTACCGAAAACCTTTCGCCCAAAGCAGGCGTGGCAGTCGGCCTTCTGTCGG
TTCTTCCGCAGCCTACCATGTGCGGCTCAATTACGAGTGGTAA

>NEIS1969_25

ATGAAACACTTTCCATCCAAAGTGTGACGCAGCCATCCTTGCCGCCCTCAGCGGCAGCG
CAATGGCAGACAACGCCCCACCGCTGACGAAATTGCCAAAGCCGCCCTAGTTAACTCCT
ACAACAATACCCAAGACATCAACGGATTACAGTTCGAGACACCATCTACGACATTAATA
ATGACAAGATTACCAAAAAAGAAGCAACAGAACCCGATGTTGAAGCTGACGACTTTAAAG
GTCTGGGTCTGAAAGAAGTCTGGCTCAACACGACCAAAGCCTTGCCGACCTGACCGAAA
CCGTCAATGAAAACAGCGAAGCATTGGTAAAAACCGCCGCGGTTGTCAATGACATCAGTG
CCGATGTCAAAGCCAACACAGCAGCTATCGGGGAAAACAAAGCTGCTATCGCTACAAAAG
CAGACAAAACCGAACTGGATAAAGTGTCCGGCAAAGTAACCGAGAACGAGACTGCTATCG
GTAAAAAAGCAAACAGTGCAGCTGTACTAAAGCTGAGGTGTACACCAAACAAGAGT
CTGACAACAGATTTGTCAAAAATTAGTGACGGAATCGGTAATCTGAACACTACTGCCAATG
GATTGGAGACACGCTTGGCCCTGCGGAACAAATCCGTTGACAGACCCGGTACGCGCTTGG
CTTCTGCCGAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATAGAACAG
TGTCAGACCTGCGTAAAGAAACCCGCCAAGGCCTTGCAGAAACAAGCCGCGCTCTCCGGTC
TGTTCCAACCTTACAACGTGGGTGCGGTTCAATGTAACGGCTGCAGTCGGCGGCTACAAAT
CCGAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCGCCAAAG
CAGGCGTGGCAGTCGGCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTGCGGCTCAATT
ACGAGTGGTAA

>NEIS1969_27

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGCTTGGGTCTGAAAAAAGTCTGACTAACCTGACCAAACCGTCAATGAAACC
AAACAAAACGTCGATGCCAAAGTAAAGCTGCAGAACTGCAGCAGGCAAAGCCGAAGCT
GCCGCTGGCAGCTAATACTGCAGCCGACAAGGCCGAAGCTGTGCTGCAAAAAGTTACC
GACATCAAAGCTGATATCGCTACGAACAAAGCTGATATTGCTAAAAACTCAGCACGCATC
GACAGCTTGGACAAAACGTAAGTAACTGCGCAAAGAAACCCGCCAAGGCTTGCAGAA
CAAGCCGCGCTCTCCGGCTGTTCCAACCTTACAACGTGGGTGCGGTTCAATGTAACGGCT
GCAGTCGGCGGCTACAAATCCGAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACC
GAAAACCTTTGCCGCCAAAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTTCTTCCGCAGCC
TACCATGTGCGGCTCAATTACGAGTGGTAA

>NEIS1969_29

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGCTTGGGTCTGAAAAAAGTCTGACTAACCTGACCAAACCGTCAATGAAACC
AAACAAAACGTCGATGCCAAAGTAAAGCTGCAGAACTGCAGAACTGAAAATAGAAAAGTAA
AAGTTAGCAGACACTGATGCCGCTTGGATGCAACCACCAACGCTTGAATAAATTGGGA
GAAAATATAACGACATTTGCTGAAGAGACTAGGGCGTGTCTCAATTTAACTTAGCATGA

ATAATAGAGCAAGCCAAGTAAAGCATCGATTTAAAATTACGAGCTAATTTCTCATAGCGA
GTAGCAATAC TACGAAACTGCTTTAATCGTGCAAATGCATCTCGACTAAGTGGCGTAAT
TTATAAAGGTAGCTATCAAAATCAGGGTTAGGTTTCTTGGCATTTTTACGCTTTGGTATA
ATAGCTTTTCATACCGTGTTCATFCGCTTTATCTCTGATTTCTTGGCAGTACATACCCTTG
TCAGCGATAAAAATACTGGGCTTCTTGTATGACTTCTATCAAGTCGTTTGCAACTTGACCG
TCGTGCACGTTACCCCCAGTGACTTTAAAAATCGAGCGGATTTCCATGCGAGTCCACACAT
AGGTGTATTTTTGTGCTGTTTTCCGCCACGGCTTTGTCCAATTGCTCTATCGAAACCACGC
CGAGCTCCACTTGCATGTTGATGACACCGTACATAAATTCCGTCGATGAATACCCATTCT
TTGTCAATTTCTTTTCGTAGATCAAAAAAAATTTCTGCCACAAGCCTTTTTTAGACCATC
GGTTAAAGCGGTTATAAGCGGTTTTCCATGACCCTAGCTCAATAGGTATGTCTCGCCATG
GTGCACCTGTCTTAGCTTCCATAGTATGGCTTCCATCACGGTACGGTCTGTTCTTCCATT
GATGACAGCCGTGCGCTTTTCATGTTTGTGTAATTGTTCCCATATGTTGTCAGTTATTG
CGGTTCTCGCCATTGTTTGTGTTGCTTATATTTTCGTTGGAATATAGGGTTAAAATAGGG
CTCTTTTGGGCTTATTCAAATTAGGGACACGCCCTAAGACAAAATATCGTAAAAATTTGATG
AAAAATTAGAAGCGGTGGCTGATACCGTCGACAAGCATGCCGAAGCATTCAACGATATCG
CCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTCAAACCCGCAATGAAG
CCAAACAGACGGCCGAAGAAACCAAAACAAACGTCGATGCCAAAAGTAAAAGCTGCAGAAA
CTGCCGCTGGCACAGCTAATACTGCAGCCGACAAGGCCGAAGCTGTGCTGCAAAAGTTA
CCGACATCAAAGCTGATATCGCTACGAACAAAGATAATATGCTAAAAAAGCAAACAGTG
CCGACGTGTACACCAGAGAAGAGTCTGACAGCAAATTTGTGAGAATTGATGGTCTGAACG
TACTACCGAAAAAATTTGGACACAGCTTGGCTTCTGCCGAAAAATCCATTACCGAACAG
GTACGCGCCTGAACCGTTTGGATGAACAGTGTGACACCTCGGTAAAGAAACCCGCAAG
GCCTTGCAGAACAAAGCCGCGCTCTCCGGTCTGTTCCAACCTTACAACGTGGGTGCGTTCA
ATGTAACGGCTGCAGTCGGCGCTACAAATCCGAATCGGCAGTCCGCTCGGTACCGGCT
TCCGCTTTACCGAAAATTTGCCGCAAAGCAGGCGTGGCAGTCCGCACTTCGTCCGGTT
CTTCCGCAGCCTACCATGTCCGGCTCAATTACGAGTGGTAA

>NEIS1969_34

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCCCCCTTCCACTGACGAAATTGCCAAAGCCGCCCTGGTTGG
AGTCTACAACAATACCCAAGACATCAACGGATTCAAAGTCGGAGACACCATCTACGACAT
TGAAAATGGCCAGCCTAAAGGAAGACCAGCAACAGAAGACGATGTTAAAGCCGATGACTT
CGGCGGTCTGGGTCTGAAAGAAAGTCTTGGCTCAACACGACCAAAGCCTTGCCGACCTGAC
CGGAACCGTCGAGGAAAACAGCGAAGCATTGGTGAAAACCCGCCGAGGTTGTCAATGACAT
CAGTGCCGATGTCAAAGCCAAACAGCAGCTATCAGGGAAAACAAAGCTGCTATCGCTAC
AAAAGCAGACAAAACCGAAGTGGATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTGC
TATCGGTAAAAAAAGCAAACAGTGCAGCAGTGTACACTAAAGCTGAGGTGTACACCAAACA
AGAGTCTGACAACAGATTTGTCAAATTTGGTGACAGAATCGGTAATCTGAACACTACTGC
CAATGGATTGGAGACACCGCTTGGCCGATGCCGAAAAATCCGTTAAAGACCAGGTCACGG
CTTGGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATAG
AACAGTGTGACACCTGCGCAAAGAAACCCGCAAGGCCCTTGCAAGAACAAGCCGCGCTCTC
CGGCCTGTTCCAACCTTACAACGTGGGTGCGTTCAATGTACCGGCTGCAGTCGGCGGCTA
CAAATCCGAATCGGCAGTCCGCATCGGTACCGGCTTCCGCTTTACCGAAAATTTGCCGC
CAAAGCAGGCTGGCAGTCCGCACCTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGGCT
CAATTACGAGTGGTAA

>NEIS1969_35

ATGCAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCGTTGGTCTGAAAAAGTCTGACTAACCTGACCAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGCAACCACC
AACGCCTTGAATAAATTTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAAATGATGAAAAATTAGAAGCCGTGGCTGATACCGCTGCACAAGCATGCCGAA
GCATTCAACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAAAACAGACGGCCGAAGAAACCAAAACAAACGTCGATGCCAAA
GTAAAAGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCGGAAGCTGTGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGCTGATATTGCTAAAAACTCAGCAGCATCGACAGCTTGGACAAAACGTA
GCTAATCTGCCGCAAAGAAACCCGCAAGGCCCTTGCAAGAACAAGCCGCGCTCTCCGCGCTG
TTCCAACCTTACAACGTGGGTGCGTTCAATGTAAACGGCTGCAGTCGGCGGCTACAAATCC
GAATCGGCAGTCCGCATCGGTACCGGCTTCCGCTTTACCGAAAATTTGCCGCAAAGCA
GGCGTGGCAGTCCGCACCTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGGCTCAATTAC
GAGTGGTAA

>NEIS1969_37

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCCTCTTCTGTAGCGGC
GCGCTGGCGGCATCGAACAGTAATGAGACCGAGGTCATCGACCACACGGCTCGAGAAGTT

GCCAAAGCCGCCCTGGTTGGAGCCTACAACAATACCCAAGAAATCAACGGTTTCAAAGTC
GGAGACACCATCTACGACATTTGGTGAACACGGCAAAATTAACGAAAAAGAGCAACCTAA
AAAGATGTGCGATAACGACGACTTTAAAGGTCTGGGTCTGAAAGAAGTCTGGCTCAACAC
GACCAAAGCCTTGCCGACCTGACCGAACCCGTCAATGAAAACAGCGAAGCATTGGTAAAA
ACTGCCGAAGTTGTCAATGAAATCAGTGCCGATGTAAAAGCCAACACGGCAGCTATCAGG
GAAAACAAAGCTGCTATCGCCAAAAGGCAGATCAAACCGCATTGGATGCAGTATCCGAA
AAGGTAACCGCAAATGAAACTGCTATCGCTACAAAAGCAGACAAAACCGAACTGGATAAA
GTGTCTGGCAAAGTAACCGCGAACGAGTCTGCTATCGGTAAAAAAGCAAACAGTGGCCGAC
GTGTACACTAAAGCTGAGGTGTACACCAAACAAGAGTCTGACAACAGATTTGTCAAATTT
GGTGACAGAATCGGTAATCTGAACACTACTGCCGATGGATGGATACACGCTTGAAGACT
GCCGAAAAAACCATACCGAACACGGTACGCGCCTGGACGGCTTGGATAAAAACAGTGTCA
AACCTGCGTAAAGAAACCCGCCAAGGCCTTGCAAGAACAGCCGCGCTCTCCGGCCTGTTC
CAACCTTACAACGTTGGTCTGTTCAATGTAACGGCTGCAGTCGGCGGCTACAAATCCGAA
TCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCAAAGCAGGC
GTGGCAGTCGGCACTTCGTCCGGTTCTTCCGACGCTACCATGTGGCGTCAATTACGAG
TGGTAA

>NEIS1969_38

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCCCCCTTCCACTGACGAAATTTGCCAAAGCCGCCCTGGTTG
GAGTCTACAACAATACCCAAGACATCAACGGATTCAAAGTCGGAGACACCATCTACGACA
TTGAAAATGGCCAGCTTAAAGGAAGACCAGCAACAGAAGACGATGTTAAAGCCGATGACT
TCGGCGGTCTGGGTCTGAAAGAAGTCTTGGCTCAACACGACCAAAGCCTTGCCGACCTGA
CCGGAACCGTCGAGGAAAACAGCGAAGCATTGGTGAACCGCCGAGGTTGTCAATGACA
TCAGTGCCGATGTCAAAGCCAACACAGCAGCTATCAGGGAAAACAAAGCTGCTATCGCTA
CAAAAGCAGACAAAACCGAACTGGATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTG
CTATCGGTAAAAAGCAAACAGTGCAGCGTGTACACTAAAGCTGAGGTGTACACCAAAC
AAGAGTCTGACAACAGATTTGTCAAATTTGGTGACAGAATCGGTAATCTGAACACTACTG
CCAATGGATTGGAGACACGCTTGCCGATGCCGAAAAATCCGTTAAAGACCACGGTACGC
GCTTGGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATA
GAACAGTGTGACACCTGCGCAAAGAAACCCGCCAAGGCCTTGCAAGAACAGCCGCGCTCT
CCGGCTGTTCACCTTACAACGTTGGTTCGGTTCATGTAACGGCTGCAGTCGGCGGCT
ACAAATCCGAATCGGCAGTCCGATCGGTAACCGGCTTCCGCTTTACCGAAAACTTTGCCG
CCAAAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTTCTTCCGACGCTACCATGTGGCG
TCAATTACGAGTGGTAA

>NEIS1969_39

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCCCCCTTCCACTGACGAAATTTGCCAAAGCCGCCCTGGT
TGGAGTCTACAACAATACCCAAGACATCAACGGATTCAAAGTCGGAGACACCATCTACGA
CATTGAAAATGGCCAGCCTAAAGGAAGACCAGCAACAGAAGACGATGTTAAAGCCGATGA
CTTCGGCGGTCTGGGTCTGAAAGAAGTCTTGGCTCAACACGACCAAAGCCTTGCCGACCT
GACCGGAACCGTCGAGGAAAACAGCGAAGCATTGGTGAACCGCCGAGGTTGTCAATGA
CATCAGTGCCGATGTCAAAGCAAACAGCAGCTATCAGGGAAAACAAAGCTGCTATCGTA
TACAAAAGCAGACAAAACCGAACTGGATGAAGTGTCCGGCAAGGTAACCGCAAACGAGAC
TGCTATCGGTAAAAAAGCAAACAGTGCAGCGTGTACACTAAAGCTGAGGTGTACACCAA
ACAAGAGTCTGACAACAGATTTGTCAAATTTGGTGACAGAATCGGTAATCTGAACACTAC
TGCCAATGGATTGGAGACACGCTTGCCGATGCCGAAAAATCCGTTAAAGACCACGGTAC
CGCTTGGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGTA
TAGAACAGTGTGACAGCTGCGCAAAGAAACCCGCCAAGGCCTTGCAAGAACAGCCGCGCT
CTCCGGCCTGTTCACCTTACAACGTTGGTTCGGTTCATGTAACGGCTGCAGTCGGCGG
CTACAAATCCGAATCGGCAGTCGCCATCGGTAACCGGCTTCCGCTTTACCGAAAACTTTGC
CGCAAAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTTCTTCCGACGCTACCATGTGGCG
CGTCAATTACGAGTGGTAA

>NEIS1969_40

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCCCCCTTCCACTGACGAAATTTGCCAAAGCCGCCCTGGTGGAGT
CTACAACAATACCCAAGACATCAACGGATTCAAAGTCGGAGACACCATCTACGACATTGA
AAATGGCCAGCCTAAAGGAAGACCAGCAACAGAAGACGATGTTAAAGCCGATGACTTCCG
CGGTCTGGGTCTGAAAGAAGTCTTGGCTCAACACGACCAAAGCCTTGCCGACCTGACCGG
AACCGTCGAGGAAAACAGCGAAGCATTGGTGAACCGCCGAGGTTGTCAATGACATCAG
TGCCGATGTCAAAGCCAACACAGCAGCTATCAGGGAAAACAAAGCTGCTATCGCTACAAA
AGCAGACAAAACCGAACTGGATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTGCTAT
CGGTAAAAAAGCAAACAGTGCAGCGTGTACACTAAAGCTGAGGTGTACACCAAACAAGA
GTCTGACAACAGATTTGTCAAATTTGGTGACAGAATCGGTAATCTGAACACTACTGCCAA
TGGATTGGAGACAGCTTGGCCGATGCCGAAAAATCCGTTAAAGACCACGGTACGCGCTT
GGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATAGAAC
AGTGTGACACCTGCGCAAAGAAACCCGCCAAGGCCTTGCAAGAACAGCCGCGCTCTCCGG
CCTGTTCACCTTACAACGTTGGTTCGGTTCATGTAACGGCTGCAGTCGGCGGCTACAA

ATCCGAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTGCCGCCAA
AGCAGGCGTGGCAGTCGGCACTTCGTCCGGTCTTCCGCAGCCTACCATGTCGGCGTCAA
TTACGAGTGGTAA

>NEIS1969_43

ATGAAACACTTTCAATCCAAAGTACTAACCAGCCATCCTTGCCCTTCTGTAGCGGC
GCGCTGGCGGCAACAAACAGTATGAGACCGAGGTCATCGACCACATGGCTCGAGAAGTT
GCCACAGCCGCCCTGGTTGGAGTCTACAACAATACCCAAGAAATCAACGGTTTCAAAGTC
GGAGACACCATCTACGACATTGATGGAGACGGCAAAATACCCAAAAAAGCAACCCAAAG
AAGATGTCGATAACGACGACTTTAAAGGTCTGGGTCTGAAAGAAGTCGCGGCTCTACACG
ACCAAAGCCTTGCCGACCTGACCGGAATCGTCGAGGAAAACAGCGAAGCATTGGTAAAAA
CCGCCAAGGTTGTCAATGACATCAGTGCCAAATGTCATTGACAACACAGCAGCTATCGGGG
AAAACAAAGCTGCTATCGCCAAAAGGCAGATCAAACCGCATTGGATGCAGTATCCGACA
AGGTAACCGCGAACGAGACTGCTATCGGTAATAAAGCAGACAAAACCGAACTGGATAAAG
TGTCCGGCAAAGTAAACCGCAAACGAGACTGCTATCGCTACAAAAGCAGACAAAACCGAAC
TGGATAAAGTGTCCGGCAAAGTAAACCGCAAACGAGACTGCTATCGCTACAAAAGCAAACA
GTGCCGACGTGTACACTAAAGCTGAGGTGTACACCAAACAAGAGTCTGACAACAGATTTG
TCAAAATTGGTGACAGAATCGGTAATCTGAACACTACTGCCGATGGATTGGATACACGCT
TGAAGACTGCCGAAAAAACCTTACCGAACACGGTACGCGCTGGACGGCTTGGATAAAA
CAGTGTCAAACCTGCGTAAAGAAAACCCGCCAAGGCCTTGCAGAACAAGCCGCGCTCTCCG
GCCTTCCAACTTACAACGTCGGTTCGGTTCATGTAACGGCTGCAGTCGGCGGCTACA
AATCCGAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTGCCGCCA
AAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTCTTCCGCAGCCTACCATGTCGGCGTCA
ATTACGAGTGGTAA

>NEIS1969_44

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCTGACTAACCTGACCAAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGAAACCACC
AACGCCTTGAATAAATTTGGGATAAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTCACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAAACAGACGGCCGAAGAAAACCAAAAACCGTCGATGCCAAA
GTAAAAGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGCTGATATTGCTAAAAACTCAGCAGCATCGACAGCTTGGACAAAAACGTA
GCTAATCTGCGCAAAGAAACCCGCCAAGGCCTTGCAGAACAGCCGCGCTCTCCGGCCTG
TTCCAACCTTACAACGTCGGTTCGGTTCAATGTAACGGCTGCAGTCGGCGGCTACAAATCC
GAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTGCCGCCAAAGCA
GGCGTGGCAGTCGGCACTTCGTCCGGTCTTCCGCAGCCTACCATGTCGGCGTCAATTAC
GAGTGGTAA

>NEIS1969_45

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCTGACTAACCTGACCAAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGAAACCACC
AACGCCTTGAATAAATTTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTCACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAAACAGACGGCCGAAGAAAACCAAAAACCGTCGATGCCAAA
GTAAAAGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGCTGATATTGCTAAAAACTCAGCAGCATCGACAGCTTGGACAAAAACGTA
GCTAATCTGCGCAAAGAAACCCGCCAAGGCCTTGCAGAACAGCCGCGCTCTCCGGCCTG
TTCCAACCTTACAACGTCGGTTCGGTTCAATGTAACGGCTGCAGTCGACGGCTACAAATCC
GAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTGCCGCCAAAGCA
GGCGTGGCAGTCGGCACTTCGTCCGGTCTTCCGCAGCCTACCATGTCGGCGTCAATTAC
GAGTGGTAA

>NEIS1969_46

ATGAAACACTTTCAATCCAAAGTACTGACCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCTTCCACTGACGAAATTGCCAAAGCCGCCCTAGTTAACT

CCTACAACAATACCCAAGACATCAACGGTTTCAAAGTCGGAGACACCATCTACGACATTA
ATGGAACCGGCAAAATTACCAAGAAAACAGCAACAGAAGACGATGTTAAAGCCGATGACT
TCGGCGGTTTGGGTCTGAAAGAAAGTCTTGGCTCAACACGACCAAAGCCTTGCCGACCTGA
CCGGAACCCGTCGATGAAAACAGCGAAGCATTGGTAAAAACCGCCGAGGTTGTCAATGACA
TCAGTGCCGATGTCAAAGCCAACACGGCAGCTATCGGGGAAAAACAAAGCTGCTATCGCCA
AAAAGGCAGATCAAACCGCATTGGATGCAGTATCCGAAAAGGTAACCGCGAACGAGACTG
CTATCGGTAAAAAGCAAACAGTGCCGACGTTACACTAAAGCTGAGGTGTACACCAAAC
AAGAGTCTGACAACAGATTTGTCAAAATTTGGTGACAGAATCGGTAATCTGAACACTACTG
CCAATGGATTGGAGACACGCTTGGCCGATGCCGAAAAATCCGTTGCAGACCACGGTACGC
GCTTGGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATA
GAACAGTGTGACAGCTGCGTAAAGAAAACCCGCCAAGGCCTTGCAGAACAAGCCGCGCTCT
CCGGCCTGTTCCAACCTTACAACGTGGGTCCGTTCAATGTAACGGCTGCAGTCCGGCGCT
ACAAATCCGAATCGGCAGTCCGATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCG
CCAAAGCAGGCGTGGCAGTCCGCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTGGCG
TCAATTACGAGTGGTAA

>NEIS1969_47

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCCTGGGTCTGAAAAAAGTTCGTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAACAGATACTGATGCCGCTCTGGATGAAACCACC
AACGCCTTGAATAAATTTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTCACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAAAACAGACGGCCGAAGAAAACCAACAAAACGTCGATGCCAAA
GTAAGCTGCAGAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGCTGATATTGCTAAAAACTCAGCACGCATCGACAGCTTGGACAAAAACGTA
GCTAATCTGCGCAAAGAAACCCGCAAGGCCTTGCAGAACAAGCCGCGCTCTCCGGCCTG
TTCCAACCTTACAACGTGGGTCCGGTTCAATGTAACGGCTGCAGTCCGGCGGTACAAATCC
GAATCGGCAGTCCGCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCGCCAAAGCA
GGCGTGGCAGTCCGCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGGCTCAATTAC
GAGTGGTAA

>NEIS1969_48

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCCTGGGTCTGAAAAAAGTTCGTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGAAACCACC
AACGCCTTGAATAAATTTGGGAGAAAATATAACGACATTTACTGAAGAGACTAAGACAAAT
ATCGTAAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTCACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAAAACAGACGGCCGAAGAAAACCAACAAAACGTCGATGCCAAA
GTAAGCTGCAGAACTGCAGCAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGCTGATATTGCTAAAAACTCAGCACGCATCGACAGCTTGGACAAAAACGTA
GCTAATCTGCGCAAAGAAACCCGCAAGGCCTTGCAGAACAAGCCGCGCTCTCCGGCCTG
TTCCAACCTTACAACGTGGGTCCGGTTCAATGTAACGGCTGCAGTCCGGCGGTACAAATCC
GAATCGGCAGTCCGCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCGCCAAAGCA
GGCGTGGCAGTCCGCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGGCTCAATTAC
GAGTGGTAA

>NEIS1969_49

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCCTGGGTCTGAAAAAAGTTCGTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAACTGCAGCAGGCAAAGCCGAAGCT
GCCGCTGGCACAGCTAATACTGCAGCCGACAAGGCCGAAGCTGTCGCTGCAAAAAGTTACC
GACATAAAGCTGATATCGCTACGAACAAGCTGATATTGCTAAAAACTCAGCACGCATC
GACAGCTTGGACAAAACGTAAGCTAATCTGCGCAAAGAAAACCCGCCAAGGCCTTGCAGAA
CAAGCCGCGCTCTCCGGCCTGTTCCAACCTTACAACGTGGGTCCGGTTCAATGTAACGGCT
GCAGTCCGGCGGTACAAATCCGAATCGGCAGTCCGCATCGGTACCGGCTTCCGCTTTACC

GAAAACCTTTGCCGCCAAAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTCTTCCGCAGCC
TACCATGTCCGGCTCAATTACGAGTGGTAA

>NEIS1969_50

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAGTCTGACTAACCTGACCAAAACCGTCAATGAAAAAC
AAACAAAACGTGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTCTGGATGCAACCACCAACGCCCTTGAATAAATTGGGA
GAAAATATAACGACATTTGCTGAAGAGACTAGGGCGTGTCTCAATTTAACTTAGCATGA
ATAATAGAGCAAGCCAAGTAAAGCATCGATTTAAAATTACGAGCTAATTTCTCATAGCGA
GTAGCAATACTACGAAACTGCTTTAATCGTGCAAATGCATTCTCGACTAAGTGGCGTAAT
TTATAAAGGTAGCTATCAAAATCAGGGTTAGGTTTCTTGGCATTTTTACGCTTTGGTATA
ATAGCTTTTCATACCGTGTTCATCGCTTTTATCTCTGATTTCTTGCGAGTCATACCCTTGG
TCAGCGATAAAAATACTGGGCTTCTTGTATGACTTCTATCAAGTCCCTTGGCAACTTGACCG
TCGTGCACGTTACCCCCAGTGACTTTAAAATCGAGCGGATTTCCATGCGAGTCCACACAT
AGGTGTATTTTGTCTGTGTTCCGCCACGGCTTGTCCAATTGCTCTATCGAAACCACGC
CGAGCTCCACTTGCATGTTGATGACACCGTACATAACTCCCGTCGATGAATACCCATTCT
TTGTCAATTTCTTTTCGTAGATCAAAAAAAAATCTGCCACAAGCCTTTTTTAGACCATC
GGTTAAAGCGGTATAAAGCGTTTTCCATGACCCTAGCTCAATAGGTATGTCTCGCCATG
GTGCACCTGTCTTAGCTTCCATAGTATGGCTTCCATCACGGTACGGTCTGTTCTTCCATT
GATGACAGCCGTGCGCTTTTCATGTTGTTTGTAAATTGTTCCCATATGTTGTCAGTTATTG
CGGTTCTCGCCATTGTTTGTGTTTGCCTATATTTCTGTTGGAATATAGGGTAAAATAGGG
CTCTTTTGGGCTTATTCAAATTAGGGACACGCCCTAAGACAAAATATCGTAAAAATTGATG
AAAAATTAGAAGCCGTGGCTGATACCGTGCACAAGCATGCCGAAGCATTCAACGATATCG
CCGATTCATTGGATGAAACCAACTAAGGCAGACGAAGCCGTCAAACCCCAATGAAG
CCAAACAGACGGCCGAAGAAACCAAAACAAACGTCGATGCCAAAGTAAAAGCTGCAGAAA
CTGCCGCTGGCAGACTAATCTGCAGCCGACAAGGCCGAGCTGTGCGTGCAAAAGTTA
CCGACATCAAAGCTGATATCGCTACGAACAAAGATAATATTGCTAAAAAGCAAACAGTG
CCGACGGTGGCAGCTGTACACCAGAGAAGAGTCTGACAGCAAATTTGTCAGAATTGAAG
GTTCTGAACGCTACTACCGAAAAATTTGGACACACGCTTGGCTTCTGCCGAAAAATCCATT
ACCGAACACGGTACGCGCTGAACGGTTTGGATAGAACAGTGTGACACCTGCGTAAAGAA
ACCCGCCAAGGCCTTGAGAACAAAGCCGCTCTCCGGTCTGTTCCAACCTTACAACGTG
GGTCCGTTCAATGTAACGGCTGCAGTCGGCGCTACAAATCCGAATCGGCAGTCGCCATC
GGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCCAAAGCAGGCGTGGCAGTCGGCACT
TCGTCCGGTCTTCCGCAGCCTACCATGTCCGGCTCAATTACGAGTGGTAA

>NEIS1969_52

ATGAAACACTTTCAATCCAAAGTACTGACCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCCCCCTTCCACTGACGAAATTGCCAAAGCCGCCCTGGTTGGA
GTCTACAACAATACCAAGACATCAACGGATTCAAAGTCGGAGACACCATCTACGACATT
GAAAATTGGCCAGCCTAAAGGAAGACCAGCAACAGAAGACGATGTTAAAGCCGATGACTTC
GGCGGTCTGGGTCTGAAAGAAAGTCTTGGCTCAACACGACCAAAGCCTTGCCGACCTGACC
GGAACCGTCGAGGAAAACAGCGAAGCATTTGGTAAAACCCGCGAGGTTGTCAATGACATC
AGTGCCGATGTCAAAGCCAACACAGCAGCTATCAGGGAAAACAAAGCTGTATCGCTACA
AAAGCAGACAAAACCGAAGTGGATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTGCT
ATCGGTAAAAAAGCAAACAGTGGCCAGCTGTACACTAAAGCTGAGGTGTACACAAACAA
GAGTCTGACAACAGATTTTGTCAAATTTGGTACAGAATCGGTAATCTGAACACTACTGCC
AATGGATTGGAGACACGCTTGGCCGATGCCGAAAAATCCGTTAAAGACCACGGTACGCGC
TTGGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCTGAACGGTTTGGATAGA
ACAGTGTGACACCTGCGCAAAGAAACCCGCAAGGCCTTGAGAACAAAGCCGCGCTCTCC
GGCCTGTTCCAACCTTACAACGTGGGTGCGTTCAATGTAACGGCTGCAGTCGGCGGCTAC
AAATCCGAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCC
AAAGCAGGCGTGGCAGTCGGCACTTCTGTCGGTCTTCCGCAGCCTACCATGTCCGGCGT
AATTACGAGTGGTAA

>NEIS1969_54

ATGAAACACTTTCCAATCCAAAGTACTGACCAGCCATCCTTGCTGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCCCCCTTCCACTGACGAAATTGCCAAAGCCGCCCTAGTT
AACTCCTACAACAATACCAAGACATCAACGGATTCAAAGTCGGAGACACCATCTACGAC
ATTGAAAATGGCCAGCCTAAAGGAAGATCAGCAACAGAAGACGATGTTAAAGCCGATGAC
TTCGGCGGTCTGGGTCTGAAAGAAGTCTGGCTCAACACGACCAAAGCCTTGCCGACCTG
ACCGAAACCGTCAATGAAAACAGCGAAGCATTTGGTAAAAACCGCCGAAGTTGTCAATGAA
ATCAGTACCGATGTCAAAGCCAACAAAGCGGCTATCACTACAAAAGCAGACAAAAGCCAAA
CTGGATGAAGTGTCCGGCAAGGTAACCGCAACGAGACTGTATCGTACAAAAGCAAAC
AGTGCCGACGTGTACACTAAAACCCAGTCTGACGAAAGATTTGTGAGAATTGATACAGC
ATCGGTGGTCTGACCACTACTGCCGATGGATTGGATACACGCTTGAAGACTGCCGAAAA
ACCATTACCGAACACGGTACGCGCTTGGCTTCTGCCGAAAAATCCATTACCGAACACGGT

ACGCGCCTGAACGGTTTGGATAGAACAGTGTGACACCTGCGCAAAGAAACCCGCCAAGGC
CTTGCAGAACAAGCCGCGCTCTCCGGCCTGTCCAACCTTACAACGTGGGTGGTTCAAT
GTAACGGCTGCAGTCGGCGGTACAAATCCGAATCGGCAGTCGCCATCGGTACCGGCTTC
CGCTTTACCGAAAACCTTTCGCCCAAAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTCT
TCCGCAGCCTACCATGTTCGGCGTCAATTACGAGTGGTAA

>NEIS1969_55

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCGTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGAAACCACC
AACGCCTTGAATAAATTGGGAGAAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTCAACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAAGCCGTC
AAAACCGCCAATGAAGCCAAACAGACGGCCGAAGAAACCAAAACAAAACGTCGATGCCAAA
GTAAAAGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAGCTGATATTGCTAAAAACTCAGCAGCATCGACAGCTTGGACAAAAACGTA
CTAATCTGCGCAAGAAACCCGCAAGCCCTTGCAGAAACAGCCGCGCTCTCCGGCCTG
TTCCAACCTTACAACATGGGTTCGTTCAATGTAACGGCTGCAGTCGGCGGTACAAATCC
GAATCGGCAGTCGGCACTTCGTCCGGTCTTCCGCAGCCTACCATGTTCGGCGTCAATTAC
GAGTGGTAA

>NEIS1969_57

ATGAAACACTTTCAATCCAAAGTACTGACCAGCCATCCTTGCCCTCCTTCTGTAGCGGC
GCGCTGGCGGCAACAAACAGTAATGAGACCGAGGTCATCGACCACACGGCTCGAGAAGTT
GCCAAAGCCGCGCTGGTTGGATCCTACAACAAATGCCCAAGAAATCAACGGTTTCAAAGTC
GGAGACACCACTCTACGACATTGATGAAAACGACAAAAATTACCAAAAAAAGCAACCCAAG
AAGATGTCGATAACGACGACTTTAAAGGTCTGGGTCTGAAAGAAGTCTTGGCTCGACACG
ACCAAAGCCTTGCCGACCTGACCGGAACCGTCGAGGAAAAACAGCGAAGCATGGTAAAAA
CCGCCGAGGTTGTCAATGACATCAGTGCCGATGTCAAAGCCAACACAGCAGCTATCGGGG
AAAACAAAGCTGCTATCGCTACAAAAGCAGACAAAACCGAACTGGATACAGTGTCCGGCA
AAGTAACCGAGAACGAGACTGCTATCGGTAAAAAAGCAAACAGTGCAGCAGTGTACACTA
AAGCTGAGGTGTACACCAACAAGAGTCTGACAACAGATTTGTCAAAATTAGTGACGGAA
TCGGTAATCTGAACACTACTGCCAATGGATTGGAGACACGCTTGGCCGCTGCCGAACAAAT
CCGTTGACAGACCAGGTACCGCTTGGCTTCTGCCAAAAATCCATTACCGAACACGATA
CTCGCCTGAACGGTTTGGATAAAAACAGTGTGACACCTGCGCAAAGAAACCCGCCAAGGCC
TTGCAGAACAAGCCGCGCTCTCCGGCCTGTTTCAACCTTACAACGTGGGTTCGTTCAATG
TAACGGCTGCAGTCGGCGGTACAAATCCGAATCGGCAGTCGCCATCGGTACCGGCTTCC
GCTTTACCGAAAACCTTTCGCCCAAAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTCTT
CCGCAGCCTACCATGTTCGGCGTCAATTACGAGTGGTAA

>NEIS1969_58

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCGTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTCTGGATGCAACCACCAACGCTTGAATAAATTGGGA
GAAAAATAACGACATTTGCTGAAGAGACTAAGACAAATATCGTAAAAAATTGATGAAAAAT
TAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAGCATCAACGATATCGCCGATT
CATTGGATGAAACCAACACTAAGGCAGACGAAAGCCGTCAAACCCGCAATGAAGCCAAAC
AGACGGCCGAAGAAACCAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAAACTGCAG
CAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACTGCAGCCGACAAGCCGAAGCTG
TCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCTACGAACAAAGATAATATTGCTA
AAAAAGCAAACAGTGCAGCAGTGTACACCAGAGAAGAGTCTGCAGCAAAATTTGTCAGAA
TTGATGGTCTGAACGCTACTACCGAAAAAATGGACACACGCTTGGCTTCTGCCGAAAAAT
CCATTACCGAACACGGTACCGCCTGAACGGTTTGGATAGAACAGTGTGACACCTGCGTA
AAGAAACCCGCCAAGGCCCTTGCAGAACAAGCCGCGCTCTCCGGTCTGTTCCAACCTTACA
ACGTGGGTTCGTTCAATGTAACGGCTGCAGTCGGCGGTACAAATCCGAATCGGCAGTCG
CCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTCGCCCAAAGCAGGCGTGGCAGTCG
GCACTTCGTCCGGTCTTCCGCAGCCTACCATGTTCGGCGTCAATTACGAGTGGTAA

>NEIS1969_59

ATGAAACACTTTCAATCCAAAGTACTGGCCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCACTGGCAGCCACAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT

GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGCTGGGTCTGAAAAAGTCTGACTAACCTGACCAAAACCGTCAATGAAAA
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACCAACC
AAGTTAGCAGACACTGATGCCGCTCTGGATGCAACCACCAACGCTTGAATAAAATTGGGA
GAAAATATAACGACATTTGCTGAAGAGACTAAGACAAATATCGTAAAAAATTGATGAAAA
TTAGAAGCCGTGGCTGATACCGTGCACAAGCATGCCGAAGCATTCAACGATATCGCCGAT
TCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTCAAACCCGCCAATGAAGCCAAA
CAGACGGCCGAAGAAACCAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAAACTGCA
GCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACCTGCAGCCGACAAGGCCGAAGCT
GTCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCTACGAACAAAGATAATATTGCT
AAAAAAGCAAACAGTGCCGACGTGTACACCAGAGAAGAGTCTGACAGCAAATTTGTCAGA
ATTGATGGTCTGAACGCTACTACCGAAAAATTTGGACACACGCTTGGCTTCTGCCGAAAA
TCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATAGAACAGTGTGACAGCCTGCGT
AAAGAAACCCGCCAAGGCCTTGCAAGCAAGCCGCGCTCTCCGGTCTGTTCCAACCTTAC
AACGTGGGTCCGTTCAATGTAACGGCTGCAGTCCGGCGCTACAAATCCGAATCGGCAGTC
GCCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCCAAAGCAGGCGTGGCAGTC
GGCACTTCGTCGGTTCTTCCGACGCTACCATGTCCGGCTCAATTACGAGTGGTAA

>NEIS1969_60

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCCTCCTTCTGTAGCGGC
GCGCTGGCGGCATCAAACAGTGATGAGACCGAGGTGCGCTCGAGAAGTTGCCACAGCCGCC
CTGGTTGGAGCCTACAACAATGCCAAGAAATCAACGGTTTCAAAGTCCGAGACACCATCT
ACGACATTAATGGAAGCGGCGAAATTACCCCAAAGAAGCAACCCAAGAAGATGTCGATA
ACGACGACTTTAAAGGTCTGGGTCTGAAAGAAGTCTGGCTCAACACGACCAAAAGCCTTG
CCGACCTGACCGGAATCGTCGAGGAAAACAGCGAAGCATTGGTAAAAACCCCAAGGTTG
TCAATGACATCAGTGCCGATGTCATTGACAAACACAGCAGCTATCGGGGAAAACAAAGCTG
CTATCGCCAAAAAGGCAGATCAAACCGCATTTGGATGCAGTATCCGAAAAGGTAACCGCAA
ATGAAACTGCTATCGCTACAAAAGCAGACAAAACCGAAGTGGATAAAGTGTCCGGCAAAG
TAACCGCAAACGAGACTGCTATCGCTACAAAAGCAGACAAAACCGAAGTGGATAAAGTGT
CCGGCAAAGTAAACCGCAAACGAGACTGCTATCGCTACAAAAGCAAACAGTCCCGACGCTG
ACACTAAAGCTGAGGTGTACACCAAACAAGAGTCTGACAACAGATTTGTCAAATTTGGTG
ACAGAATCCGTTAATCTGAACACTACTGCCGATGGATTGGATACACGCTTGAAGACTGCCG
AAAAAACCATTACCGAACACGGTACGCGCCTGGACGGCTTGGATAAAAACAGTGTCAAACC
TGCGTAAAGAAAACCCGCCAAGGCCTTGCAAGCAAGCCGCGCTCTCCGGCTGTTCCAAC
CTTACAACGTGGGTCCGTTCAATGTAACGGCTGCAGTCCGGCGCTACAAATCCGAATCGG
CAGTCCGCATCCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCCAAAGCAGGCGTGG
CAGTCCGCATTCGTCGGTTCTTCCGACGCTACCATGTCCGGCTCAATTACGAGTGGT
AA

>NEIS1969_61

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACACCCCCCCTTCCACTGACGAAATTGCCAAAGCCGCCCTGGTTGG
AGTCTACAACAATACCCAAGACATCAACGGATTCAAAGTCCGAGACACCATCTACGACAT
TGAAAATGGCCAGCCTAAAGGAAGACCAGCAACAGAAGACGATGTTAAAGCCGATGACTT
CGGCGGTCTGGGTCTGAAAGAAGTCTTGGCTCAACACGACCAAAGCCTTGCCGACCTGAC
CGGAACCGTCCGAGAAAACAGCGAAGCATTGGTGAAAACCCGCCGAGGTTGTCAATGACAT
CAGTCCGATGTCAAAGCCAAACACAGCAGCTATCAGGGAAAACAAAGCTGCTATCGCTAC
AAAAGCAGACAAAACCGAAGTGGATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTGC
TATCGGTAAAAAAGCAAACAGTCCCGACGTGTACACTAAAGCTGAGGTGTACACCAAACA
AGAGTCTGACAACAGATTTGTCAAATTTGGTGACAGAATCGGTAATCTGAACACTACTGC
CAATGGATTGGAGACACGCTTGGCCGATGCCGAAAAATCCGTTAAAGACCACGGTACGG
CTTGGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATAG
AACAGTGTGACAGCTGCGCAAAGAAAACCCGCCAAGGCCTTGCAAGAACAGCCGCGCTCTC
CGGCTGTTCCAACCTTACAACGTGGGTCCGTTCAATGTAACGGCTGCAGTCCGGCGGCTA
CAAATCCGAATCCGGCAGTCCGATCCGTTACCGGCTTCCGCTTTACCGAAAACTTTGCCGC
CAAAGCAGGCGTGGCAGTCCGCACCTTCGTCGGTTCTTCCGACGCTACCATGTCCGGCT
CAATTACGAGTGGTAA

>NEIS1969_62

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCCTTCCACTGACGAAATTGCCAAAGCCGCCCTGGTTGGAG
TCTACAACAATACCCAAGACATCAACGGATTCAAAGTCCGAAAACACCATCTACGACATTG
AAAATGGCCAGCCTAAAGGAAGACCAGCAACAGAAGACGATGTTAAAGCCGATGACTTC
GGCGGTCTGGGTCTGAAAGAAGTCTTGGCTCAACACGACCAAAGCCTTGCCGACCTGACC
GGAACCCGTCGAGGAAAACAGCGAAGCATTGGTAAAACCCCGGAGGTTGTCAATGACATC
AGTCCGATGTCAAAAGCCAAACACAGCAGCTATCAGGGAAAACAAAGCTGCTATCGCTACA
AAAGCAGACAAAACCGAAGTGGATGAAGTGTCCGGCAAAGGTAACCGCAAACGAGACTGCT
ATCGGTAAAAAAGCAAACAGTCCGACGCTGTACACTAAAGCTGAGGTGTACACCAAACA
GAGTCTGACAACAGATTTGTCAAATTTGGTGACAGAATCGGTAATCTGAACACTACTGCC

AATGGATTGGAGACACGCTTGGCCGATGCCGAAAAATCCGTTAAAGACCACGGTACGCGC
TTGGTTTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGATAGA
ACAGTGTACAGCTGCGCAAGAAAAACCGCAAGGCCTTGAGAACAAAGCCGCGCTCTCC
GGCCTGTTCCAACTTACAACGTGGGTCCGTTCAATGTAAACGGTGCAGTGGCGGCTAC
AAATCTGAATCCGGCAGTCCGCATCGGTACCGGGTTCCGCTTACCGAAAACTTCGCGGCC
AAAGCAGGCGTGGCAGTCCGCACTTCGTCCGGTTTTTTTCGCAGCCTACCATGTGGCGTC
AATTACGAGTGGTAA

>NEIS1969_63

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTTCGTGACTAACCTGACAAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGAAACCACC
AACGCCTTGAATAAATTTGGGAGAAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTC AACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAAGGCCTTGAGAACAAAGCCGCGCTCTCCGGCCTGTTCCAACCTTACAACG
TGGGTCCGTTCAATGTAAACGGTGCAGTCCGCGGTACAAATCCGAATCGGCAGTCCGCCA
TCGGTACCGGCTTCCGCTTTACCGAAAAACTTTGCCGCCAAAGCAGGCGTGGCAGTCCGCCA
CTTCGTCCGGTTCTTCCGCAGCCTACCATGTGGCGTCAATTACGAGTGGTAA

>NEIS1969_65

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTTCGTGACTAACCTGACAAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGCAACCACC
AACGCCTTGAATAAATTTGGGAGAAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTC AACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAAACAGACGGCCGAAGAAACCAACAAAACGTCGATGCCAAA
GTAAAAGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGCTAATATTGCTAAAAAAGCAACAGTCCGACGCTGTACACCAGAGAAGAG
TCTGACAGCAAATTTGTCAGAATTGATGGTCTGAACGCTACTACCGAAAAATTTGGACACA
CGCTTGGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTTGGAT
AGAACAGTGTGACACCTGCGTAAAGAAACCCGCCAAGGCCTTGCAGAACAGCCGCGCTC
TCCGGTCTGTTCCAACCTTACAACGTGGGTCCGTTCAATGTAAACGGTGCAGTCCGCGGC
TACAAATCCGAATCGGCAGTCCGCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCC
GCCAAAGCAGGCGTGGCAGTCCGCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGC
GTCAATTATGAGTGGTAA

>NEIS1969_66

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTTCGTGACTAACCTGACAAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCCTTTAGCAGATACTGATGCCGCTCTGGATGAAACCACC
AACGCCTTGAATAAATTTGGGAGAAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTC AACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAAACAGACGGCCGAAGAAACCAACAAAACGTCGATGCCAAA
GTAAAAGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGCTGATATTGCTAAAAAAGCAACAGTCCGACGCTGTGACAAAAACGTA
GCTAATCTGCGCAAAGAAACCCGCCAAGGCCTTGAGAACAAAGCCGCGCTCTCCGGCCTG
TTCCAACCTTACAACGTGGGTCCGTTCAATGTAAACGGTGCAGTCCGCGGTACAAATCC
GAATCGGCAGTCCGCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCCAAAGCA
GGCGTGGCAGTCCGCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGCGTCAATTAC
GAGTGGTAA

>NEIS1969_67

ATGAAACACTTTCAATCCAAAGTACTGACCACAGCCATCCTTGCCGCGCTCAGCGGCAGC

GCAATGGCAGACAACCCCCCCCCCTTCCACTGACGAAATTGCCAAAGCCGCCCTGGTTGG
AGTCTACAACAATACCCAAGACATCAACGGATTCAAAGTCGGAGACACCATCTACGACAT
TGAAAATGGCCAGCCTAAAGGAAGACCAGCAACAGAAGACGATGTTAAAGCCGATGACTT
CGGCGGTCTAGGTCTGAAAGAAGTCTTGGCTCAACACGACCAAAGCCTTGCCGACCTGAC
CGGAACCGTCGAGGAAAACAGCGAAGCATTGGTGAAAACCGCCGAGGTTGTCAATGACAT
CAGTGCCGATGTCAAAGCCAACACAGCAGCTATCAGGGAAAACAAAGCTGCTATCGCTAC
AAAAGCAGACAAAACCGAAGTGGATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTGC
TATCGGTAATAAAGCAAACAGTGCCGACGTGTACACTAAAGCTGAGGTGTACACCAAACA
AGAGTCTGACAACAGATTTGTCAAAAATTGGTGACAGAATCGGTAATCTGAACACTACTGC
CAATGGATTGGAGACACGCTTGGCCGATGCCGAAAAATCCGTTAAAGACCACGGTACGCG
CTTGGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATAG
AACAGTGTGACAGCTGCGCAAAGAAACCCGCCAAGGCCCTGCAGAACAAGCCGCGCTCTC
CGGCTGTTCCAACCTTACAACGTGGGTGCGTTCAATGTAACGGCTGCAGTCGGCGGCTA
CAAATCCGAATCGGCAGTCGGCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCGC
CAAAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTTCTTCCGACGCTACCATGTCCGGCT
CAATTACGAGTGGTAA

>NEIS1969_68

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCCCCCTTCCACGGACGAAATTGCCAAAGCCGCCCTGGTTGG
AGTCTACAACAATACCCAAGACATCAACGGATTCAAAGTCGGAAACACCATCTACGACAT
TGAAAATGGCCAGCCTAAAGGAAGACCAGCAACAGAAAACGATGTTAAAGCCGATGACTT
CGGCGGTCTGGGTCTGAAAGAAGTCTTGGCTCAACACGACCAAAGCCTTGCCGACCTGAC
CGGAACCGTCGAGGAAAACAGCGAAGCATTGGTGAAAACCGCCGAGGTTGTCAATGACAT
CAGTGCCGATGTCAAAGCCAACACAGCAGCTATCAGGGAAAACAAAGCTGCTATCGCTAC
AAAAGCAGACAAAACCGAAGTGGATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTGC
TATCGGTAATAAAGCAAACAGTGCCGACGTGTACACTAAAGCTGAGGTGTACACCAAACA
AGAGTCTGACAACAGATTTGTCAAAAATTGGTGACAGAATCGGTAATCTGAACACTACTGC
CAATGGATTGGAGACACGCTTGGCCGATGCCGAAAAATCCGTTAAAGACCACGGTACGCG
CTTGGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATAG
AACAGTGTGACAGCTGCGCAAAGAAACCCGCCAAGGCCCTGCAGAACAAGCCGCGCTCTC
CGGCTGTTCCAACCTTACAACGTGGGTGCGTTCAATGTAACGGCTGCAGTCGGCGGCTA
CAAATCCGAATCGGCAGTCGGCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCGC
CAAAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTTCTTCCGACGCTACCATGTCCGGCT
CAATTACGAGTGGTAA

>NEIS1969_73

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCAATGGCAGCCCAAACAGCAGCAGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGCTTGGGTCTGAAAAAAGTCTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGCAACCACC
AACGCCTTGAATAAAATTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAACACAAAT
ATCGTAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTCACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCGGACGAAGCCGTC
AAAACCGCCAATGAAGCCAAACAGACGGCCGAAGAAACCAAACAAACGTCGATGCCAAA
GTAAAAGCTGCAGAACTGCAGCAGGCAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCAAGCTGTCTGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGATAATATTGCTAAAAAAGCAAAACAGTGCCGACGTGTACACCAGAGAAGAG
TCTGACAGCAAATTTGTCAGAATTGATGGTCTGAACGCTACTACCGAAAAATTGGACACA
CGCTTGGCTTCTGCTGAAAAATCCATTGCCGATCACGATACTCGCCTGAACGGTTTGGAT
AAAACAGTGTGACAGCTGCGCAAAGAAACCCGCCAAGGCCCTGCAGAACAAGCCGCGCTC
TCCGGTCTGTTCCAACCTTACAACGTGGGTGCGTTCAATGTAACGGCTGCAGTCGGCGGC
TACAAATCCGAATCGGCAGTCGGCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCC
GCCAAAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTTCTTCCGACGCTACCATGTCCGGC
GTCAATTACGAGTGGTAA

>NEIS1969_74

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCTTCCACTGACGAAATTGCCAAAGCCGCCCTAGTTAACTCC
TACAACAATACCCAAGACATCAACGGTTTCAAAGTCGGAGACACCATCTACGACATTAAT
GGAAACGGCAAATACCAGAAAAACAGCAACAGAAGACGATGTTAAAGCCGATGACTTC
GGCGGTTTGGGTCTGAAAGAAGTCTTGGCTCAACACGACCAAAGCCTTGCCGACCTGACC
GGAACCGTCGATGAAAACAGCGAAGCATTGGTAAAAACCGCCGAGGTTGTCAATGACATC
AGTCCGATGTCAAAAGCCAACACGGCAGCTATCGGGGAAAACAAAGCTGCTATCGCCAAA
AAGGCAGATCAAACCGCATTGGATGCAGTATCCGAAAAGGTAACCGCAAACGAGACTGCT
ATCGGTAATAAAGCAAACAGTCCGACGTGTACACTAAAGCTGAGGTGTACACCAAACAA
GAGTCTGACAACAGATTTGTCAAAAATTGGTGACAGAATCGGTAATCTGAACACTACTGCC

AATGGATTGGAGACACGCTTGCCGATGCCGAAAAATCCGTTGCAGACCACGGTACGCGC
TTGGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATAGA
ACAGTGTTCAGACCTGCGTAAAGAAACCCGCCAAGGCCTTGACAGAACAGCCGCGCTCTCC
GGCCTGTTCCAACTTACAACGTGGGTCGGTTCAATGTAAACGGTGCAGTGGGCGGTAC
AAATCCGAATCGGCAGTCGCCATCGGTACCAGCTTCCGCTTTACCGAAAACTTTGCCGCC
AAAGCAGGCGTGGCAGTGGCACTTCGTCCGGTTCTTCCGACGCTACCATGTGGCGTC
AATTACGAGTGGTAA

>NEIS1969_76

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGCAGCAGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCGTGACTAACCTGACAAAAACCGTCAATGAAAAC
AAACAAAACGTGCATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGAAACCACC
AACGCCTTGAATAAATTTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTC AACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAAACAGACGGCCGAAGAAACCAAAAACGTCGATGCCAAA
GTAAAAGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGCTGATATTGCTAAAAACTCAGCAGCATCGACAGCTTGGACAAAAACGTA
GCTAATCTGCGCAAAGAAACCCGCCAAGGCCTTGCAGAACAAAGCCGCGCTCTCCGGCCTG
TTCCAACCTTACAACGTGGGTTCGTTCAATGTAACGGCTGCAGTGGGCGGTACAAATCC
GAATCGGCAGTCCGCTACAGCTTCCGCTTTACCGAAAACTTTGCCGCCAAAGCAG
CGGTGGCAGTCGGCACTTCCGCTTCCGCTTCCGCGAGCTACCATGTCCGGCTCAATTACG
AGTGGTAAGCAGCATCTCCCGATAAAGAAACCCGACGCCCTGCAAGGCTGCGGTTTTTATT
TTCTATCCGGCCGTGACACTGCCGCTCCGAACGTTCCGCCGTGGGATACGGATTGCCT
CCTCAACCGGCAGCACAAAAATCTTGGCGTCGCCGATTTTTCCCGAACGCGCCACCTCGA
CAATCACGTCAATCGCGCGTTCCACAGCATCATCCGCCAACACCAGCTCGATTTTGA

>NEIS1969_78

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGCAGCAGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCGTGACTAACCTGACAAAAACCGTCAATGAAAAC
AAACAAAACGTTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGAAACCACC
AACGCCTTGAATAAATTTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTC AACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAAAACAGACGGCCGAAGAAACCAAAAACGTCGATGCCAAA
GTAAAAGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGCTGATATTGCTAAAAACTCAGCAGCATCGACAGCTTGGACAAAAACGTA
GCTAATCTGCGCAAAGAAACCCGCCAAGGCCTTACAGAACAAAGCCGCGCTCTCCGGCCTG
TTCCAACCTTACAACGTGGGTTCGTTCAATGTAACGGCTGCAGTGGGCGGTACAAATCC
GAATCGGCAGTCCGCTACGCTACCGCTTCCGCTTTACCGAAAACTTTGCCGCCAAAGCA
GGCGTGGCAGTCCGCACTTCGTCCGGTTCTTCCGCGAGCTACCATGTCCGGCTCAATTAC
GAGTGGTAA

>NEIS1969_80

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCGTGACTAACCTGACAAAAACCGTCAATGAAAAC
AAACAAAACGTTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGCAACCACC
AACGCCTTGAATAAATTTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTC AACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAAAACAGACGGCCGAAGAAACCAAAAACGTCGATGCCAAA
GTAAAAGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGATAAATATTGCTAAAAAAGCAACAGTGGCGACGTGTACCCAGAGAAGAG
TCTGACAGCAAATTTGTCAGAATTGATGGTCTGAACGCTACTACCGAAAAATTTGGACACA
CGCTTGGCTTCTGCTGAAAAATCCATTGCCGATCACGATACTCGCCTGAACGGTTTGGAT

AAAACAGTGTACAGCTGCGCAAAGAAACCCGCCAAGGCCTTGCAGAACAAGCCGCGCTC
TCCGGTCTGTCCAACCTTACAACGTGGGTTCGTTCAATGTAACGGCTGCAGTCGGCGGC
TACAAATCCGAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCC
GCCAAAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTCTTCTGCAGCCTACCATGTCCGGC
GTCAATTACGAGTGGTAA

>NEIS1969_81

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCGTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAACTGCAGCAGGCAAAGCCGAAGCT
GCCGCTGGCAGCTAATACTGCAGCCGACAAGGCCGAAGCTGTGCTGCAAAAAGTTACC
GACATCAAAGCTGATATCGCTACGAACAAAGATAATATTGCTAAAAAAGCAAAACAGTGCC
GACGTGTACACCAGAGAAGAGTCTGCAGCAAAATTTGTGCAAAATGATGGTCTGAACGCT
ACTACCGAAAAAATTGGACACACGCTTGGCTTCTGCTGAAAAATCCATTGCCGATCACGAT
ACTCGCCTGAACGGTTTGGATAAAACAGTGTGACACCTGCGCAAAGAAACCCGCCAAGGC
CTTGCAGAACAGCCGCGCTTCCGGTCTGTTCCAACCTTACAACGTGGGTCCGGTTCAAT
GTAACGGCTGCAGTCGGCGGCTACAAATCCGAATCGGCAGTCGCCATCGGTACCGGCTTC
CGCTTTACCGAAAACCTTTGCCGCAAAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTCTC
TCCGCAGCCTACCATGTCCGGCTCAATTACGAGTGGTAA

>NEIS1969_84

ATGAAACACTTTCCATCCAAAGTACTGACCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACGCCCCACCGCTGACGAAATTTGCCAAAGCCGCCCTAGTTAACTCC
TACAACAATACCAAGACATCAACGGATTACAGTCGGAGACACCATCTACGACATTGAT
GGAAACAACAAAATTTACGAAAAAAGCAACCCAAAGAAGATGTCGATAACGACGACTTT
AAAGGTCTGGGTCTGAAAGAAGTCTGGCTCAACACGACCAAAGCCTTGCCGACCTGACC
GAAACCGTCAATGAAAACAGCGAAGCATTGGTAAAAACCGCGAAGTTGTCAATGAAATC
AGTACCGATGTCAAAGCCAAACAAAGCGGCTATCACTACAAAAGCAGACAAAGCCAAACTG
GATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTGCTATCGCTACAAAAGCAGACAAA
GCCAAACTGGATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTGCTATCGCTACAAAA
GCAGACAAAGCCAAACTGGATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTGCTATC
GCTACAAAAGCAAACAGTGCCGACGTGTACTAAAACCCAGTCTGACGAAAAGATTTGTC
AGAATTGATACCAGCATCGTGGTCTGACCACTACTGCCGATGGATTGGATACACGCTTG
AAGACTGCCGAAAAAACCTTACCGAACACGGTACGCGCTGAACGGTTTGGATAGAACA
CTGTACAGACTGCGTAAAGAAAACCCGCAAGGCCTTGCAGAAACAGCCGCGCTCTCCGGC
CTGTTCCAACCTTACAACGTGGGTTCGGTTCATGTAACGGCTGCAGTCGGCGGCTACAAA
TCCGAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCGCAA
GCAGGCGTGGCAGTCGGCACTTCGTCCGGTCTTCCGCAGCCTACCATGTCCGGCTCAAT
TACGAGTGGTAA

>NEIS1969_85

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCGTGACTAACCTGACCAAAACCGTCAA TAAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATGAAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCGCCTCTGGATGCAACCACC
AACGCCTTGAATAAATTTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAGGGCGTGT
CCTCAATTTAAGTACTGATGATAAATAGAGCAAGCAAGTAAAGCATCGATTTAAAATTA
CGAGCTAATTTCTCATAGCAGTAGCAATACTACGAAACTGCTTTAATCGTGCAAAATGCA
TTCTCGACTAAGTGGCGTAATTTATAAAGGTAGCTATCAAAATCAGGGTTAGGTTTCTTG
GCATTTTTACGCTTTGGTATAATAGCTTTTATACCGTGTCTATCGCTTTATCTCTGATT
TCTTGCAGTGCATACCCTTTGTCAGCGATAAAAATACTGGGCTTCTTGTATGACTTCTATC
AAGTCGTTTGAACCTTGACCGTCTGTCACGTTACCCCAAGTACTTTAAAATCGAGCGGA
TTTCCATGCGAGTCCACACATAGGTGTATTTTGTGCTGTTCGCCACCGCTTTGTCCA
ATTGCTCTATCGAAACACGCGGAGCTCCACTTGCATGTTGATGACACCGTACATAACTT
CCGTCGATGAATACCCATCTTTGTCAATTTCTTTTCGTAGATCAAAAAAAAATTTCTGCC
ACAAGCCTTTTTTAGACCATCGGTAAAAGCGGTTATAAGCGGTTTTTCCATGACCCTAGCT
CAATAGGTATGTCTCGCCATGGTGCACCTGTTCTTAGCTTCCATAGTATGGCTTCCATCA
CGGTACGGTCTGTTCTTCCATTGATGACAGCGGTGCGCTTTCATGGTTGTTTGTAAATGTT
CCCATATGTTGTCAGTTATTGCGGTTCTCGCCATGTTTGTGTTTGCCTATATTTCCGTTG
GAATATAGGGTTAAAATAGGGCTCTTTTGGGCTTATTCAAATTAGGGACACGCCCTAAGA
CAAATATCGTAAAAATGATGAAAAATTAGAAGCCGTGGCTGATACCCGTCGACAAGCATG
CCGAAGCATTTCAACGATATCGCCGATTTCATTGGATGAAACCAACACTAAGGCAGACGAAG
CCGTCAAACCCGCAATGAAGCCAAACAGACGGCCGAAGAAACCAAACAAAACGTCGATG
CCAAAGTAAAAGCTGCAGAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTA

ATACTGCAGCCGACAAGGCCGAAGCTGTGCTGCAAAAAGTTACCGACATCAAAGCTGATA
TCGCTACGAACAAAGATAATATTGCTAAAAAAGCAAACAGTGCCGACGTGTACACCAGAG
AAGAGTCTGACAGCAAATTTGTCAGAATTGATGGTCTGAACGCTACTACCGAAAAATTGG
ACACACGCTTGGCTTCTGCTGAAAAATCCATTGCCGATCAGGATACTCGCCTGAACGGTT
TGGATAAAAACAGTGTGACAGTCTGCGCAAAAGAAACCCGCCAAGGCCTTGCAGAACAAGCCG
CGCTCTCCGGTCTGTTCCAACCTTACAACGTGGGTGCGTTCAATGTAACGGCTGCAGTCG
GCGGCTACAAATCCGAATCGGCAGTCCGATCGGTACCGGCTTCCGCTTTACCGAAAACCT
TTGCCGCCAAAGCAGGCGTGGCAGTCCGCCTTTCGTCCGGTTCTTCTGCAGCCTACCATG
TCGGCGTCAATTACGAGTGGTAA

>NEIS1969_87

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCTTTATCTCCTTCTGTAGCGGC
GCGCTGGCGGGGGGGGGGGGGGACAAGACTTAACCCCAAAGTTGCCAAAGCCGCCCT
GGTTGGAACCTACAACAATGCCCAAGAAATCAACGGTTTCAAAGTCGGAGACACCATCTA
CGACATTGATGGAGACGGCAAAATTACCAAAAAGAAGCAACCCAAGAAGATGTCGATAA
CGACGACTTTAAAGGTCTGGGTCTGAAAGAAGTTCGCGGCTTACACGACCAAAGCCTTGC
CGACCTGACCGGAATCGTCGATGAAAACAGCGAAGCATTGGTGAAACCGTCAAGGTTGT
CAATGAAATCAGTACCGATGTCAAAGCCAACACAGCAGCTATCGCTGAAAAAGCAGACAA
AACCGAACTGGATAAAGTGTCCAAAAAGGCAGACAAAAACGCTGATGGTATCGCTACAAA
AGCAAACAGTCCGACGTGTACACTAAAGCTGAGGTGTACACCAAACAAGAGTCTGACAA
CAGATTTGTCAAATTTGGTGACGGAATCGTAATCTGAACACTACTGCCAATGGATTGGA
GACACGCTTGGCCGCTGCCGAAAAATCCATTACCGAACACGGTACCGCCTGAACGGTTT
GGATAGAACAGTGTGACACCTGCGCAAAGAAACCCGCCAAGGCCTTGCAGAAACAAGCCGC
GCTCTCCGGCCTGTTCCAACCTTACAACGTGAGTTCGGTTCAATGTAACGGCTGCAGTCGG
CGGCTACAAATCCGAATCGGCAGTCCGATCGGTACCGGCTTCCGCTTTACCGAAAACCT
TGCCGCCAAAGCAGGCGTGGCAGTCCGCCTTTCGTCCGGTTCTTCCGCAGCCTACCATGT
CGGCGTCAATTACGAGTGGTAA

>NEIS1969_88

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCTTTATCTCCTTCTGTAGCGGC
GCGCTGGCGGGGGGGGGGGGGGACAAGACTTAACCCCAAAGTTGCCAAAGCCGCCCTGG
TTGGAACCTACAACAATGCCCAAGAAATCAACGGTTTCAAAGTCGGAGACACCATCTACG
ACATTGATGGAGACGGCAAAATTACCAAAAAGAAGCAACCCAAGAAGATGTCGATAACG
ACGACTTTAAAGGTCTGGGTCTGAAAGAAGTTCGCGGCTTACACGACCAAAGCCTTGGCCG
ACCTGACCGGAATCGTCGATGAAAACAGCGAAGCATTGGTGAAACCGTCAAGGTTGTCA
ATGAAATCAGTACCGATGTCAAAGCCAACACAGCAGCTATCGCTGAAAAAGCAGACAAAA
CCGAACCTGGATAAAGTGTCCAAAAAGGCAGACAAAAACGCTGATGGTATCGCTACAAAAG
CAACAGTCCGACGTGTACACTAAAGCTGAGGTGTACACCAAACAAGAGTCTGACAACA
GATTTGTCAAATTTGGTGACGGAATCGGTAATCTGAACACTACTGCCAATGGATTGGAGA
CACGCTTGGCCGCTGCCGAAAAATCCATTACCGAACACGGTACCGCCTGAACGGTTTGG
ATAGAACAGTGTGACACCTGCGCAAAGAAACCCGCCAAGGCCTTGCAGAAACAAGCCGCGC
TCTCCGGCCTGTTCCAACCTTACAACGTGAGTTCGGTTCAATGTAACGGCTGCAGTCGGCG
GCTACAAATCCGAATCGGCAGTCCGATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTG
CCGCCAAAGCAGGCGTGGCAGTCCGCCTTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCG
GCGTCAATTACGAGTGGTAA

>NEIS1969_90

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCTGACTAACCTGACCAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGAAACCACC
AACGCCTTGAATAAATTTGGGAGAAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAAATGATGAAAAATTAGAAGCCGTGGCTGATACCGCTGCACAAGCATGCCGAA
GCATTCAACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAAGCCGTC
AAAACCGCCAATGAAGCCAAACAGACGGCCGAAGAAACCAAACAAAACGTTGGATGCCAAA
GTAAAAGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAGCTGATATTGCTAAAAACTCAGCAGCATCGACAGCTGGACAAAAACGTA
GCTAATCTGCCCAAAGAAACCCGCCAAGGCCTTGCAGAACAAGCCGCTCTCCGGCCTG
TTCCAACCTTACAACGTGGGTGCGTTCAATGTAACGGCTGCAGTCCGGCGCTACAAATCC
GAATCGGCAGTCCGATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCGCCAAAGCA
GGCGTGGCAGTCCGCCTTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGGCGTCAATTAC
GAGTGGTAA

>NEIS1969_92

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT

GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCGGGTCTGAAAAAGTCTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAAAC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGAAACCACC
AACGCCTTGAATAAATTTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTCAACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAACAGACGGCCGAAAGAAACCAAAACAAACGTCGATGCCAAA
GTAAAAGCTGCAGAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGCTGATATTGCTAAAACTCAGCACGCATCGACAGCTTGGACAAAACGTA
GCTAATCTGCGCAAAGAAACCCGCCAAGGCCTTGCAGAACAGCCGCGCTCTCCGGCCTG
TTCCAACCTTACAACGTGGGTTCGCTTCAATGTAACGGCTGCAGTCGGCGGCTACAAATCC
GAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCGCCAAAGCA
GGCGTGGCAGTCGGCACTTCTGTCGGTTCTTCCGCAGCCACCATGTTCGGCTCAATTAC
GAGTGGTAA

>NEIS1969_94

ATGAAACACTTTCAATTCAAAGTACTGACCCGAGCCATCCTTGCCCTCTTCTGTAGCGGC
GCGCTGGCGGCAATAAACAGTGTAGACCCGAGGTCATCGACCACACCGGCTCGAGAAGTT
GCCACAGCCGCCCTGGTTGGAGTCTACAACAATAACCCAAGAAATCAACGGTTTCAAAGT
GGAGACACCATCTACGACATTGATGGAGACGGCAAAATTACCCAAAAAAGCAACCCAAG
AAGATGTCGATAACGACGACTTTAAAGGTCTGGGTCTGAAAGAAGTCGGGCTCTACACG
ACCAAAGCCTTGCCGACCTGACCGGAATCGTCGAGGAAAACAGCGAAGCATTGGTAAAAA
CCGCCAAGGTTGTCATGACATCAGTGCCAATGTCATTGACAACACAGCAGCTATCGGGG
AAAACAAAAGCTGCTATCGCTACAAAAGCAGACAAAACCGAACTGGATGAAGTGTCCGGCA
AGGTAACCGCAAACGAGACTGCTATCGGTAATAAAGCAAACAGTCCGACGCTGTACACTA
AAGCTGAGGTGTACACCAAACAAGAGTCTGACAACAGATTTGTCAAAATTGGTGACAGAA
TCGGTAATCTGAACACTACTGCCAATGGATTGGAGACACGCTTGGCCGATGCCGAAAAAT
CCGTTAAAGACCACGGTACGCGCTTGGCTTCTGCCGAAAAATCCATTACCGAACACGGTA
CGCGCCTGAACGGTTTGGATAGAACAGTGTACAGACCTGCGCAAAGAAACCCGCCAAGGCC
TTGCAGAACAAGCCGCGCTCTCCGGCCTGTTCCAACCTTACAACGTGGGTTCGGTTCAATG
TAACGGCTGCAGTCGGCGGCTACAAATCCGAATCGGCAGTCGCCATCGGTACCGGCTTCC
GCTTTACCGAAAACCTTTGCCGCCAAGCAGGCGTGGCAGTCGGCACTTCTGTCGGTTCTT
CCGCAGCCTACCATGTTCGGCTCAATTACGAGTGGTAA

>NEIS1969_96

ATGAAACACTTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCGGGTCTGAAAAAGTCTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAAAC
AAGTTAGCAGACACTGATGCCGCTCTGGATGCAACCACCACGCTTGAATAAATTGGGA
GAAAAATAACGACATTTGCTGAAGAGACTAGGGCGTGTCCCTAATTTGAATAAGCCCAA
AAGAGCCCTATTTTAAACCCTATATTCCAACGAAATATAGGCAAACACAAACAATGGCGAG
AACCGCAATAACTGACAACATATGGGAACAATTACAACACCATGAAAGCGCACAGGCTG
TCATCAATGGAAGAACGACCGTACCGTGTGGAAGCCATACTATGGAAGCTAAGAACAGG
TGCACCATGGCGAGACATACTATTGAGCTAGGGTTCATGGAACCCGCTTATAACCGCTT
TAACCGATGGTCTAAAAAAGGCTTGTGGCAGAATTTTTTTTTTGATCTACGAAAAGAAAT
GACAAAGAATGGGTATTCATCGACGGAAGTTATGTACGGTGTATCAACATGCAAGTGGGA
GCTCGGCGTGGTTTCGATAGAGCAATTGGACAAGCCGTGGCGGAAACACGACAAAAATA
CACCTATGTGTGGACTCGCATGGAATCCGCTCGATTTTAAAGTCACTGGGGGTAACGTG
CACGACGGTCAAGTTGCAACGACTTGATAGAAGTCATACAAGAAGCCAGTATTTTATC
GCTGACAAAAGGATGACTCGCAAGAAATCAGAGATAAAGCGATAGAACACGGTATGAAA
GCTATTATACCAAAGCGTAAAAATGCCAAGAAACCTAACCTGATTTTGATAGCTACCTT
TATAAATTACGCCACTTAGTCGAGAATGCATTTGCACGATTAAGCAGTTTCGTAGTATT
GCTACTCGCTATGAGAAATTAGCTCGTAATTTTAAATCGATGCTTTACTTGGCTTGCTCT
ATTATTATGCTAAGTTAAATTGAGGACACGCCCTAAGACAAAATATCGTAAAAATTGATG
AAAAATTAGAAGCCGTGGCTGATACCTGACAAGCATGCCGAAGCATTCAACGATATCG
CCGATTCATTGGATGAAACCACACTAAGGCAGACGAAGCCGTCAAACCCGCCAATGAAG
CCAAACAGACGGCCGAAGAAACCAAAACAAACGTCGATGCCAAAGTAAAAGCTGCAGAAA
CTGCCGCTGGCACAGCTAATACTGCAGCCGACAAGGCCGAAGCTGTGCTGCAAAAAGTTA
CCGACATCAAAGCTGATATCGCTACGAACAAGATAATATGCTAAAAAGCAAACAGTG
CCGACTGTACACCAGAGAGAGTCTGACAGCAAATTTGTCAGAATTTGATGGTCTGAACG
CTACTCCGAAAAATTTGGACACGCTTGGCTTCTGCCGAAAAATCCATTACCGAACAG
GTACGCGCCTGAACGGTTTGGATAGAACAGTGTACAGACCTCGCTAAAGAAACCCGCCAAG
GCCTTGCAGAACAAGCCGCGCTCTCCGGCTGTTTCCAACCTTACAACGTGGGTTCGGTTCA
ATGTAACGGCTGCAGTCGGCGGCTACAAATCCGAATCGGCAGTCGCCATCGGTACCGGCT

TCCGCTTTACCGAAAACCTTTGCCGCCAAAGCAGGCGTGGCAGTCCGGCACTTCGTCCGGTT
CTTCCGCAGCCTACCATGTCCGCGTCAATTACGAGTGGTAA

>NEIS1969_97

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCCCCCTTCCACTGACGAAATTGCCAAAGCCGCCCTGGTTGG
AGTCTACAACAATACCCAAGACATCAACGGATTCAAAGTCGGAGACACCATCTACGACAT
TGAAAATGGCCAGCCTAAAGGAAGACCAGCAACAGAAGACGATGTTAAAGCCGATGACTT
CGGCGGTCTGGGTCTGAAAGAAGTCTTGGCTCAACACGACCAAAGCCTTGCCGACCTGAC
CGGAACCGTCGAGGAAAACAGCGAAGCATTGGTGAAAACCGCCGAAGTTGTCAATGACAT
CAGTGCCGATGTCAAAGCCAACACAGCAGCTATCAGGGAAAACAAAGCTGCTATCGCTAC
AAAAGCAGACAAAACCGAAGTGGATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTGC
TATCGGTAATAAAGCAAACAGTGCAGCAGTGTACACTAAAGCTGAGGTGTACACCAAACA
AGAGTCTGACAACAGATTTGTCAAAATTTGGTGACAGAATCGGTAATCTGAACACTACTGC
CAATGGATTGGAGACACGCTTGGCCGATGCCGAAAAATCCGTTAAAGACCACGGTACGCG
CTTGGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATAG
AACAGTGTGACAGCTGCGCAAAGAAAACCGCCAAGGCCTTGACAGAACAAGCCGCGCTCTC
CGGCTGTTCACCTTACAACGTGGGTGCGTTCAATGTAACGGCTGCAGTCCGGCGGCTA
CAAATCCGAATCGGCAGTCCGCATCGGTACCGGCTTCCGCTTACCGAAAACCTTTGCCGC
CAAAGCAGGCGTGGCAGTCCGCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGCGT
CAATTACGAGTGGTAA

>NEIS1969_99

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCCCCCTTCCACTGACGAAATTGCCAAAGCCGCCCTGGTTGG
AGTCTACAACAATACCCAAGACATCAACGGATTCAAAGTCGGAGACACCATCTACGACAT
TGAAAATGGCCAGCCTAAAGGAAGACCAGCAACAGAAGACGATGTTAAAGCCGATGACTT
CGGCGGTCTGGGTCTGAAAGAAGTCTTGGCTCAACACGACCAAAGCCTTGCCGACCTGAC
CGGAACCGTCGAGGAAAACAGCGAAGCATTGGTGAAAACCGCCGAGGTTGTCAATGACAT
CAGTGCCGATGTCAAAGCCAACACAGCAGCTATCAGGGAAAACAAAGCTGCTATCGCTAC
AAAGCAGACAAAACCGAAGTGGATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTGCT
ATCGGTAATAAAGCAAACAGTGCAGCAGTGTACACTAAAGCTGAGGTGTACACCAAACA
GAGTCTGACAACAGATTTGTCAAAATTTGGTGACAGAATCGGTAATCTGAACACTACTGCC
AATGGATTGGAGACACGCTTGGCCGATGCCGAAAAATCCGTTAAAGACCACGGTACGCGC
TTGGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATAGA
ACAGTGTGACAGCTGCGCAAAGAAAACCGCCAAGGCCTTGACAGAACAAGCCGCGCTCTCC
GGCCTGTTCACCTTACAACGTGGGTGCGTTCAATGTAACGGCTGCAGTCCGGCGGCTAC
AAATCCGAATCGGCAGTCCGCATCGGTACCGGCTTCCGCTTACCGAAAACCTTTGCCGCC
AAAGCAGGCGTGGCAGTCCGCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGCGCT
AATTACGAGTGGTAA

>NEIS1969_100

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTCTGTAGCGGC
GCACTGGCAGCCACAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCGGGTCTGAAAAAAGTGTGACTAACCTGACAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACATGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGCAACCACC
AACGCCTTGAATAAATTTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAGGGCGTGT
CCCTAATTTGAATAAGCCCAAAGAGCCCTATTTTAACCTATATTCCAACGAAATATAG
GCAAACACAACAATGGCGAGAACCGCAATAACTGACAACATATGGGAACAATTACAAC
AACCATGAAAGCGCACGGCTGTCATCAATGGAAGAACGACCGTACCGTATGGAAGCCAT
ACTATGGAAGCTAAGAACAGGTGCACCATGGCGAGACATACCTATTGAGCTAGGGTCATG
GAAAACCGCTTATAACCGCTTTAACCAGTGGTCTAAAAAAGGCTTGTGGCAGAATTTTTT
TTTTGATCTACGAAAAGAAAATGACAAAAGAATGGGTATTTCATCGACGGAAGTTATGTACG
GTGTCATCAACATGCAAGTGGAGCTCGGCGTGGTTTCGATAGAGCAATTGGACAAAAGCCG
TGGCGGAAACACGACAAAAATACACCTATGTGTGGACTCGCATGGAAATCCGCTCGATTT
TAAAGTCACTGGGGTAACTGCACGACGGTCAAGTTGCAACGACTTGATAGAAGTCAT
ACAAGAAGCCAGTATTTTATCGCTGACAAAAGGTTATGACTCGCAAGAAATCAGAGATAA
AGCGATAGAACACGGTATGAAAGCTATTATACCAAGCGTAAAAATGCCAAGAAACCTAA
CCCTGATTTTGTAGTAGTACCTTTATAAATACGCCACTTAGTTCGAGAATGCATTTGCACG
ATTAAAGCAGTTTCGTAGTATTGCTACTCGCTATGAGAAAATTAGCTCGTAATTTTAAATC
GATGCTTTACTTGGCTTGGCTCTATTATTTCATGCTAAGTTAAATTGAGGACACGCCCTAAG
ACAAATATCGTAAAAATTTGTAAGAAAATTTAGAAGCCGTGGCTGATACCGTGCACAAGCAT
GCCGAAGCATTCAACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAA
GCCGTCAAACCGCCAAATGAAGCAACAGACGGCCGAAGAAAACCAAACAAACAGTCCGAT
GCCAAAGTAAAAGCTGCAGAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCT
AATACTGCAGCCGACAAGGCCGAAGCTGTCGCTGCAAAAAGTTACCGACATCAAAGCTGAT
ATCGCTACGAAACAAGATAAATTTGCTAAAAAAGCAAACAGTGCAGCAGTGTACACCAGA

GAAGAGTCTGACAGCAAATTTGTCAGAATTGATGGTCTGAACGCTACTACCGAAAAATTG
GACACACGCTTGGCTTCTGCTGAAAAATCCATTGCCGATCACGATACTCGCTGAACGGT
TTGGATAAAAACAGTGTGACACCTGCGCAAAGAAACCCGCCAAGGCCTTGACAGAAACAGCC
GCGCTCTCCGGTCTGTTCCAACCTTACAACGTGGGTCCGTTCAATGTAACGGCTGCAGTC
GGCGGCTACAAATCCGAATCCGCGAGTCGCCATCGGTACCGGCTTCCGCTTACCGAAAAAC
TTTGGCGCAAAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTTCTTCTGCAGCTACCAT
GTCGGCGTCAATTACGAGTGGTAA

>NEIS1969_103

ATGAAACACTTTCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGG
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCGTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCGCGCTTTAGCAGATACTGATGCGCTCTGGATGAAACCACC
AACGCCTTGAATAAATTTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTCACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAACAGACGGCCGAAGAAACCAAAACAAACGTCGATGCCAAA
GTAAAAGCTGCAGAAACTGCAGCAGGCAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGCCGAAGCTGTCGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGCTGATATTGCTAAAAACTCAGCACGCATCGACAGCTTGGACAAAAACGTA
GCTAATCTGCGCAAAGAAACCCGCCAAGCCCTTGCAGAACAAGCCGCGCTCTCCGGCCTG
TTCCAACCTTACAACGTGGGTTCGTTCAATGTAACGGCTGCAGTCGGCGGCTACAAATCC
GAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCCAAAGCA
GGCGTGGCAGTCGGCACTTCGTCCGGTTCTTCCGCAGCTACCATGTCCGGCTCAATTAC
GAGTAA

>NEIS1969_104

GTATGAAACACTTTCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCG
GCGCACTGGCAGCCACAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTG
CTGCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACA
TTGATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACG
ACTTTAAAGGTCTGGGTCTGAAAAAAGTCGTGACTAACCTGACCAAAACCGTCAATGAAA
ACAAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACA
CCAAGTTAGCAGACACTGATGCCGCTCTGGATGCAACCACCAACGCCTTGAATAAATTTGG
GAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAATATCGTAAAAATGATGAAA
AATTAGAAGCGTGGCTGATACCGCTCGACAAGCATGCCGAAGCATTCAACGATATCGCCG
ATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTCAAACCGCCAATGAAGCCA
AACAGACGGCCGAAGAAACCAAAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAACTG
CAGCAGGCAAGCCGAAGCTGCCGCTGGCACAGCTAATACTGCAGCCGACAAGGCCGAAG
CTGTGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCTACGAACAAAGCTGATATTG
CTAAAACACTCAGCAGCTCGACAGCTTGGACAAAAACGTAAGTAACTGCGCAAAGAAA
CCCGCCAAGGCTTGCAGAACAAAGCCGCGCTCTCCGGCCTGTTCCAACCTTACAACGTTG
GTCGGTTCAATGTAACGGCTGCAGTCGGCGGCTACAAATCCGAATCGGCAGTCGCCATCG
GTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCCAAAGCAGGCGTGGCAGTCGGCACTT
CGTCCGGTTCTTCCGCAGCTACCATGTCCGGCTCAATTACGAGTGGTAA

>NEIS1969_105

ATGAAACACTTTCATCCAAAGTACTGACCACAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCTTCCACTGACGAAATTGCCAAAGCCGCCCTGGTTGGAG
TCTACAACAATACCAAGACATCAACGGATTCAAAGTCGGAGACACCATCTACGACATTG
AAAATGGCCAGCCTAAAGGAAGACCAGCAACAGAAGACGATGTTAAAGCCGATGACTTCG
GCGGTCTGGGTCTGAAAGAAGTCTTGGCTCAACACGACCAAAAGCCTTGGCGACCTGACCG
GAACCGTCGAGGAAAACAGCGAAGCATTGGTGAAAACCCGCGAGGTTGTAATGACATCA
GTGCCGATGTCAAAGCCAACACAGCAGCTATCAGGAAAACAAAGCTGCTATCGCTACAAA
AGCAGACAAAACCGAAGTGGATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTGCTAT
CGGTAAAAAAGCAAACAGTCCGACGCTGTACACTAAAGCTGAGGTGTACACCAACAAGA
GTCTGACAACAGATTTGTCAAATTTGGTGACGAATCCGGTAATCTGAACACTACTGCCAA
TGGATTGGAGACACTTGGCCGATGCCGAAAAATCCGTTAAAGACCAGGTCGCGCTT
GGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCTGAACGGTTTGGATAGAAC
AGTGTGACACCTGCGCAAAGAAACCCGCCAAGGCCTTGCAGAACAAAGCCGCGCTCTCCGG
CCTGTTCCAACCTTACAACGTGGGTTCGTTCAATGTAACGGCTGCAGTCGGCGGCTACAA
ATCCGAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCCAA
AGCAGGCGTGGCAGTCGGCACTTCGTCCGGTTCTTCCGCAGCTACCATGTCCGGCTCAA
TTACGAGTGGTAA

>NEIS1969_106

ATGAAACACTTTCATCCAAAGTACTGACCACAGCCATCCTTGCCGCCCTCAGCGGCAGC

GCAATGGCAGGCAACCCCCCTTTCCACTGACGAAATTGCCACAGCCGCCATGGTTGGA
TCCTACAACAATGCCCAAGAAATCAACGGTTTCGAAGTCGGAGACACCATCTACGACATT
AATGGAGACGGCAAAATTACCAAAAAACAGCAACCCAAGAAGATGTCGATAACGACGAC
TTTAAAGGTCCTGGGTCTGAAAGAAGTCTGGCTCGACACGACCAAGCCTTGCCGACCTG
ACCGGAACCGTTCGAGGAAAAACAGCGAAGCATTGGTAAAAAACCGCCGAGGTTGTCAATGAC
ATCAGTGCCGATGTCAAAGCCAACACAGCAGCTATCGGGGAAAACAAAGCTGCTATCGCT
ACAAAAGCAGACAAAACCGAACTGGATAAAGTGTCCGGCAAAGTAACCGAGAACGAGACT
GCTATCGGTAAAAAAGCAAACAGTGCAGCAGTGTACACTAAAGCTGAGGTGTACACCAAA
CAAGAGTCTGACAACAGATTTGTCAAAATTAGTGACGGAATCGGTAATCTGAACACTACT
GCCAATGGATTGGAGACACGCTTGGCCGCTGCCGAACAATCCGTTGCAGACCACGGTACG
CGCTTGGCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTTGGAT
AGAACAGTGTGACAGCTGCGTAAAGAAACCGCCAAAGGCTTGCAGAACAAAGCCGCGCTC
TCCGGTCTGTCCAACCTTACAACGTGGGTTCGTTCAATGTAACGGCTGCAGTCCGCGGC
TACAAATCCGAATCGGCAGTCCGCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCC
GCCAAAGCAGGCGTGGCAGTCCGCACCTTCGTCCGGTTCTCCGACGCTACCATGTCCGG
GTCAATTACGAGTGGTAA

>NEIS1969_107

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCCTGGGTCTGAAAAAGTCTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTCTGGATGCAACCACCAACGCTTGAATAAATTGGGA
GAAAAATAACGACATTTGCTGAAGAGACTAAGACAAATATCGTAAAAATGATGAAAAA
TTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAGCATTCAACGATATCGCCGAT
TCATTGGATGAAACCAACACTAAGGCAGACGAAAGCCGTCAAAACCGCCAATGAAGCCAAA
CAGACGGCCGAAAGAAACCAAAACAAACGTCGATGCCAAAGTAAAAGCTGCAGAAACTGCA
GCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACGACCCGACAAGCCGAAGCT
GTCGCTGCAAAAGTTACCGACATCAAAGCTGATATCGCTACGAACAAAGATAATATTGCT
AAAAAAGCAAACAGTCCGACGCTGTACACCAGAGAAGAGTCTGCAGCAAATTTGTGAGA
ATTGATGGTCTGAACGCTACTACCGAAAAATTTGGACACACGCTTGGCTTCTGCCGAAAAA
TCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATAGAACAGTGTGACAGCTGCGT
AAAGAAACCCGCAAGGCTTGCAGAACAAAGCCGCGCTCTCCGGTCTGTTCACCTTAC
AACGTGGGTCCGTTCAATGTAACGGCTGCAGTCCGCGGTACAAATCCGAATCGGCAGTC
GCCATCGGTACCGACTTCCGCTTTACCGAAAACTTTGCCGCAAAAGCAGGCGTGGCAGTC
GGCACTTCGTCCGGTTCTTCCGACGCTACCATGTCCGGCTCAATTACGAGTGGTAA

>NEIS1969_108

ATGAAACACTTTCCATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACGCCCCACCGCTGACGAAATTGCCAAAGCCGCCCTAGTTAACTCC
TACAACAATACCCAAGACATCAACGGATTACAGTCCGAGACACCATCTACGACATTGAT
GGAAACAACAAAATTTATCGAAAAAAGCAACCCAAGAAGATGTCGATAACGACGACTTT
AAAGGTCTGGGTCTGAAAGAAGTCTGGCTCAACACGACCAAAAGCCTTGCCGACCTGACC
GAAACCGTCAATGAAAACAGCGAAGCATTGGTAAAAAACCGCCGAAGTTGTCAATGAAATC
AGTACCGATGTCAAAGCCAACAAAGCGGCTATCACTACAAAAGCAGACAAGCCAAACTG
GATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTGCTATCGCTACAAAAGCAGACAAA
GCCAAACTGGATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTGCTATCGCTACAAA
GCAAACAGTGCAGCAGTGTACATAAAACCCAGTCTGACGAAAGATTTGTGAGAATTGAT
ACCAGCATCGGTGGTCTGACCACTACTGCCGATGGATTGGATACACGCTTGAAGACTGCC
GAAAAAACCAATTACCGAACACGGTACGCGCCTGAACGGTTTGGATAGAACAGTGTGACG
CTGCGTAAAGAAACCCGCCAAGGCTTGCAGAACAAAGCCGCGCTCTCCGGCTGTTCCAA
CCTTACAACGTGGGTCCGTTCAATGTAACGGCTGCAGTCCGCGGTACAAATCCGAATCG
GCAGTCCCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCAAAAGCAGGCGTG
GCAGTCCGCACCTTCGTCCGGTTCTTCCGACGCTACCATGTCCGGCTCAATTACGAGTGG
TAA

>NEIS1969_109

ATGAAACACTTTCCATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACGCCCCACCGCTGACGAAATTGCCAAAGCCGCCCTAGTTAACTCC
TACAACAATACCCAAGACATCAACGGATTACAGTCCGAGACACCATCTACGACATTTAAA
AATGACAAGATTACCAAAAAAGCAACAGAAGCCGATGTTGAAGCTGACGACTTTAAA
GGTCTGGGTCTGAAAGAAGTCTGGCTCAACACGACCAAAAGCCTTGCCGACCTGACCGAA
ACCGTCAATGAAAACAGCGAAGCATTGGTAAAAAACCGCCGCGGTTGTCAATGACATCAGT
GCCGATGTCAAAGCCAACACAGCAGCTATCGGGGAAAACAAAGCTGCTATCGCTACAAA
GCAGACAAAACCGAACTGGATAAAGTGTCCGGCAAAGTAACCGAGAACGAGACTGCTATC
GGTAAAAAAGCAAACAGTGCAGCAGTGTACACTAAAGCTGAGGTGTACACCAAAACAAGAG
TCTGACAACAGATTTGTCAAAATTAGTGACGGAATCGGTAATCTGAACACTACTGCCAAT
GGATTGGAGACAGCTTGGCCGCTGCCGAACAATCCGTTGCAGACCACGGTACGCGCTTG

GCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATAGAACA
GTGT CAGACCTGCGTAAAGAAACCCGCCAAGCGCTTGCAGAACAGCCGCGCTCTCCGGT
CTGTTCCAACCTTACAACGTGGGTGCGTTCATGTAACGGTGCAGTCGGCGGCTACAAA
TCCGAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTGGCCGCAAA
GCAGGCGTGGCAGTCGGCACTTCGTCCGGTCTTCCGCAGCCTACCATGTCCGGCGTCAAT
TACGAGTGGTAA

>NEIS1969_110

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACGCCCCACCGCTGACGAAATTGCCAAAGCCGCCCTAGTTAACTCC
TACAACAATACCCAAGACATCAACGGATTCAAAGCCGGAGACACCATCTACGACATTGGT
GAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGACTTT
AAAGGTCTGGTCTGAAAAAGTCTGTGACTAACCTGACCAAACCGTCAATGAAAAACAAA
CAAAACGTGCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACCAAG
TTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGAAACCACCAAC
GCCTTGAATAAATTGGGAGAAAAATAAACGACATTTGCTGAAAGAGACTAAGACAAAATATC
GTA AAAATGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAGCA
TTCAACGATATCGCCGATTCAATTGGATGAAACCAACACTAAAGGCAGACGAAGCCGTCAA
AACCCGCCAATGAAGCCAAACAGACGGCCGAAAGAAACCAACAAAACGTGCGATGCCCAAA
GTAAAAGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAGATAAATATTGCTAAAAAAGCAAACAGTGCCGACGTGTACACCAGAGAAGAG
TCTGACAGCAAATTTGTCAGAATTGATGGTCTGAACGCTACTACCGAAAAATGGACACA
CGCTTGGCTTCTGCTGAAAAATCCATTGCCGATCACGATACTCGCCTGAACGGTTTGGAT
AAAACAGTGTGAGACCTGCGCAAAGAAACCCGCCAAGGCCTTGCAGAACAAGCCGCGCTC
TCCGGTCTGTTCCAACCTTACAACGTGGGTGCGTTCATGTAACGGTGCAGTCGGCGGC
TACAAATCCGAATCGGCAGTCGCCATCGGTCCCGCTTCCGCTTTACCGAAAACCTTTGCC
GCCAAAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTCTTCCGCAGCCTACCATGTCCGG
GTCAATTACGAGTGGTAA

>NEIS1969_111

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAAGTCTGTGACTAACCTGACCAAACCGTCAATGAAAA
AAACAAAACGTGCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAAC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGAAACCACC
AACGCCTTGAATAAATTTGGGAGAAAAATAAACGACATTTGCTGAAAGAGACTAAGACAAA
ATCGTAAAAATGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTCAACGATATCGCCGATTCAATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAAACAGACGGCCGAAAGAAACCAACAAAACGTGCGATGCCAAA
GTAAAAGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAGCTGATATTGCTAAAAACTCAGCACGATCGACAGCTTGGACAAAAACGTA
GCTAATCTGCGCAAAGAAACCCGCCAAGGCCCTGCAGAACAAGCCGCGCTCTCCGGCCTG
TTCCAACCTTACAACGTGGGTGCGTTCATGTAACGGTGCAGTCGGCGGCTACAAATCC
GAATCGGCAGTCACCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCGCAAAAGCA
GGCGTGGCAGTCGGCACTTCGTCCGGTCTTCCGCAGCCTACCATGTCCGGCGTCAATTAC
GAGTGGTAA

>NEIS1969_112

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTTCTGTAGCGG
CGCACTGGCAGCCACAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGC
TGCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACAT
TGATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGA
CTTTAAAGGTCTGGGTCTGAAAAAAGTCTGTGACTAACCTGACCAAACCGTCAATGAAAA
CAAACAAAACGTGCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACA
CAAGTTAGCAGACACTGATGCCGCTCTGGATGCAACCACCAACGCCTTGAATAAATTTGG
AGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAATATCGTAAAAATGATGAAAA
ATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAGCATTCACAGATATCGCCGA
TTCAATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTCAAACCGCCAATGAAGCCAA
ACAGACGGCCGAAAGAAACCAACAAAACGTGCGATGCCAAAGTAAAAGCTGCAGAACTGC
CGCTGGCACAGCTAATACTGCAGCCGACAAGCCGAAGCTGTGCTGCAAAAAGTTACCGA
CATCAAAGCTGATATCGCTACGAACAAGATAATATTGCTAAAAAAGCAAACAGTGCCGA
CGTGTACACCAGAGAAGAGTCTGCAGCAAATTTGTCAGAATGATGGTCTGAACGCTAC
TACCGAAAAATTTGGACACACGCTTGGCTTTCGCCGAAAAATCCATTACCGAACACGCTAC
CGCCTGAACGGTTTGGATAGAACAGTGTGACAGCTGCGTAAAGAAACCCGCCAAGGCC
TGCAGAACAAGCCGCGCTCTCCGGTCTGTTCCAACCTTACAACGTGGGTGCGTTCATGTA
AACGGCTGCAGTCGGCGGCTACAAATCCGAATCGGCAGTCGCCATCGGTACCGGCTTCCG

CTTTACCGAAAACCTTTGCCGCCAAAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTTCTTC
CGCAGCCTACCATGTCCGGCTCAATTACGAGTGGTAA

>NEIS1969_113

ATGAAACACTTTCAATCCAAAGTCTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATAGCAGCTGACGTTTACGAAAAATCAGAAGTAGACACCAAGATTACCGACGCAAAA
ACCGCGGTAACCACCGATCTCGAAAGCAAAATCAACGCCGCAAAAAAAGAACTGGGCGAC
AAGCTGGATAAACAAAAAGACAGCGACAGCAAAAGAGATTGAGAAAGTCAAACCGCTATT
ACTGGCGTTAAAAACCTCCTTGAGGTGACCCAAAAGACGACCAAAATCCTGGATTGATT
GGCACCATTGGCCGACCTTAACAAATCCATAAACGGCGATGTGGAAGAAAACGGTAAAAAA
AATTCTGGATTGATTGACACCGTTGCCGAGCTTGACAAAATCCGTAAAAAGCAACAAATC
TGAAATAGATGAATAAAAAAGATTTGGAAACCACCGACAACCGCTGGATGAAACTAC
CAACGCCTTGAATAAATTTGGAGAAAAATATAACGACATTTGCTGAAGAGACTAAGACAAA
TATCGTAAAAATTTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGA
AGCATTCAACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGT
CAAACCGCCAAATGAAGCCAAACAGACGGCCGAAGAAAACCAACAAAACGTCGATGCCAA
AGTAAAAGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCAGCTAATAC
TGCAGCCGACAAGGCCGAAGCTGTGCTGCAAAAGTTACCGACATCAAAGCTGATATCGC
TACGAACAAAGCTGATATTGCTAAAAACTCAGCACGCATCGACAGCTTGACAAAAACGT
AGCTAATCTGCGCAAAGAAACCCGCCAAGGCCCTTGCAAGAACAGCCGCGCTCTCCGGCCT
GTTCCAACCTTACAACGTGGTTCGGTTCAATGTAACGGCTGCAGTCGGCGGCTACAAATC
CGAATCGGCAGTCGCCATCGGTACCGCTTCCGCTTTACCGAAAACCTTTGCCGCCAAAGC
AGGCGTGGCAGTCGGCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGGCTCAATTA
CGAGTGGTAA

>NEIS1969_114

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGCTCGGGTCTGAAAAAAGTCGTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTCTGGATGCAACCACCAACGCCTTGAATAAATTGGGA
GAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAATATCGTAAAAATTTGATGAAAA
TTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAGCATTCAACGATATCGCCGAT
TCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTCAAACCGCCAAATGAAGCCAA
ACAGACGGCCGAAGAAAACCAAAACAAACGTCGATGCCAAAGTAAAAGCTGCAGAAACTGC
AGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACTGCAGCCGACAAGGCCAAGC
TGTCGCTGCAAAAGTTACCGACATCAAAGCTGATATCGCTACGAACAAAAGATAAATATTGC
TAAAAAAGCAAAACAGTGCCGACGTGTACACCAGAGAAGAGTCTGACAGCAAATTTGTGTCAG
AATTGATGGTCTGAACGCTACTACCGAAAAATTTGGACACACGCTTTGGCTTCTGCCGAAA
ATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATAGAACAGTGTGACGACCTGCG
TAAAGAAACCCGCCAAGGCCCTTGCAAGAACAGCCGCGCTCTCCGGTCTGTTCCAACCTTA
CAACGTGGGTTCGGTTCAATGTAACGGCTGCAGTCGGCGGCTACAAATCCGAATCGGCAGT
CGCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCGCCAAAGCAGGCGTGGCAGT
CGGCACCTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGGCTCAATTACGAGTGGTAA

>NEIS1969_115

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGCTCGGGTCTGAAAAAAGTCGTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACC
AAGTTAGCAGACACTGATGCCGCTCTGGATGCAACCACCAACGCCTTGAATAAATTGGGA
GAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAATATCGTAAAAATTTGATGAAAA
TTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAGCATTCAACGATATCGCCGAT
TCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTCAAACCGCCAAATGAAGCCAAA
CAGACGGCCGAAGAAAACCAAAACAAACGTCGATGCCAAAGTAAAAGCTGCAGAAACTGCC
GCTGTCAAAGCTGCAGAAACTGCCGCTGGCACAGCTAATACTGCAGCCGACAAGGCCGAA
GCTGTGCTGCAAAAGTTACCGACATCAAAGCTGATATCGCTACGAACAAAAGATAAATTT
GCTAAAAAAGCAAAACAGTGCCGACGTGTACACCAGAGAAGAGTCTGACAGCAAATTTGTG
AGAATTGATGGTCTGAACGCTACTACCGAAAAATTTGGACACACGCTTTGGCTTCTGCCGAA
AAATCCATTACCGAACACGGTACGCGCCTGAACGGTTTGGATAGAACAGTGTGACGACCTG
CGTAAAGAAACCCGCCAAGGCCCTTGCAAGAACAGCCGCGCTCTCCGGTCTGTTCCAACCT
TACAACGTGGGTTCGGTTCAATGTAACGGCTGCAGTCGGCGGCTACAAATCCGAATCGGCA
GTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCGCCAAAGCAGGCGTGGCA
GTCGGCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGGCTCAATTACGAGTGGTAA

>NEIS1969_116

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCCTGGGTCTGAAAAAAGTCGTGACTAACCTGACCAAAACCGTCAATGAAAA
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAGAC
ACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGCAACCACCAACGCTTGAAT
AAATTGGGAGAAAAATAACGACATTTGCTGAAGAGACTAAGACAAATATCGTAAAAAATT
GATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAGCATTCAACGAT
ATCGCCGATTCAATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTCAAAAACGCCAAT
GAAGCCAAACAGACGGCCGAAGAAACCAAAACAAACGTCGATGCCAAAGTAAAAGCTGCA
GAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACTGCAGCCGACAAG
GCCGAAGCTGTGCTGCAAAAGTTACCGACATCAAAGCTGATATCGCTACGAACAAAGAT
AATATTGCTAAAAAAGCAAACAGTGCCGACGTGTACACCAGAGAAGAGTCTGACAGCAAA
TTTGTGCAAAATTGATGGTCTGAACGCTACTACCGAAAAATGGACACACGCTTGGCTTCT
GCCGAAAAATCCATTACCGAACACGGTACGCGCTGAACGGTTTGGATAGAACAGTGTCA
GACCTGCGTAAAGAAACCCGCCAAGGCCTTGCAAGCAAGCCGCTCTCCGGTCTGTTC
CAACCTTACAACGTTGGTCTGATTAATGTAACGGCTGCAGTCGGCGGCTACAAATCCGAA
TCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCCAAAGCAGGC
GTGGCAGTCGGCACTTCGTCCGGTCTTCCGCAGCCTACCATGTGGCGTCAATTACGAG
TGGTAA

>NEIS1969_117

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCCTGGATCTGAAAAAAGTCGTGACTAACCTGACCAAAACCGTCAATGAAAA
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAAAC
AAGTTAGCAGACACTGATGCCGCTCTGGATGCAACCACCAACGCTTGAATAAATTGGGA
GAAAATATAACGACATTTGCTGAAGAGACTAAGACAAATATCGTAAAAAATTGATGAAAA
TTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAGCATTCAACGATATCGCCGAT
TCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTCAAAAACGCCAATGAAGCCAAA
CAGACGGCCGAAGAAACCAAAACAAACGTCGATGCCAAAGTAAAAGCTGCAGAAACTGCA
GCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACTGCAGCCGACAAGCCGAAGCT
GTCGCTGCAAAAGTTACCGACATCAAAGCTGATATCGCTACGAACAAAGATAATATTGCT
AAAAAAGCAAACAGTGGCAGCTGTACACCAGAGAAGAGTCTGACAGCAAAATTTGTGAGA
ATTGATGGTCTGAACGCTACTACCGAAAAATTTGGACACACGCTTGGCTTCTGCCGAAAA
TCCATTACCGAACACGGTACGCGCTGAACGGTTTGGATAGAACAGTGTGACACCTGCGT
AAAGAAACCCGCCAAGGCCTTGCAAGCAAGCCGCTCTCCGGTCTGTTCACCTTAC
AACGTGGGTCGGTTCATGTAACGGCTGCAGTCGGCGGCTACAAATCCGAATCGGCAGTC
GCCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCCAAAGCAGGCGTGGCAGTC
GGCACTTCGTCCGGTCTTCCGCAGCCTACCATGTGGCGTCAATTACGAGTGGTAA

>NEIS1969_118

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCTTCCACTGACGAAATTTGCCAAAGCCGCCCTGGTTGGAGTC
TACAACAATACCCAAGACATCAACGGATTCAAAGTCGGAGACACCATCTACGACATTGAA
AATGGCCAGCTTAAAGGAAGACCAACGAAGACGATGTTAAAGCCGATGACTTCGGC
GGTCTGGGTCTGAAAGAAGTCTTGGCTCAACACGACCAAAGCCTTGCCGACCTGACCGGA
ACCGTCGAGGAAAACAGCGAAGCATTGGTGAACACCGCCGAGGTTGTCAATGACATCAGT
GCCGATGTCAAAGCCAACACAGCAGCTATCAGGGAAAACAAAGCTGCTATCGCTACAAAA
GCAGACAAAACCGAACTGGATGAAGTGTCCGGCAAGGTAACCGCAAACGAGACTGCTATC
GGTAAAAAAGCAAACAGTCCGACGCTGTACTAAAGCTGAGGTGTACACCAACAAGAG
TCTGACAACAGATTTGTCAAATTTGGTGACAGAATCGGTAATCTGAACACTACTGCCAAT
GGATTGGAGACAGCTTGGCCGATGCCGAAAAATCCGTTAAAGACCACGGTACGCGCTTG
GCTTCTGCCGAAAAATCCATTACCGAACACGGTACGCGCTGAACGGTTTGGATAGAACA
GTGTGACACCTGCGCAAAGAAACCCGCCAAGGCCTTGCAAGCAAGCCGCTCTCCGGC
CTGTTCCAACCTTACAACGTTGGTTCGGTCAATGTAACGGCTGCAGTCGGCGGCTACAAA
TCCGAATCGGCAGTCCCATCGGTACCGGCTTCCGCTTTACCGAAAACTTTGCCGCCAAA
GCAGGCGTGGCAGTCGGCACTTCGTCCGGTCTTCCGCAGCCTACCATGTGGCGTCAAT
TACGAGTGGTAA

>NEIS1969_119

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCTTCCACTGACGAAATTTGCCAAAGCCGCCCTAGTTAACTCC
TACAACAATACCCAAGAAATCAACGGTTTCAAAGTCGGAGACACCATCTACGATATTGGT
GAAAATAACAAAATTACCTCAAAAACAAGCAACAGAAGACGATGTTAAAGCCGACGACTTC
GCGGCTCTGGGTCTGAAAGAAGTCTGGCTGAACACGACCAAAGCCTTGCCGACCTGACC

GAAACCGTCAATGAAAACAGCGAAGCATTGGTAAAAACTGCCGAAGTTGTCAATGAAATC
AGTGCCGATGTAAGCCAAACACAGCAGCTATCGCTGAAAAAGCAGAAAAACCGAACTG
GATAAAGTGTCCAAAAGGCGACAGAAAAACGCTGATGATATCGCTACAAAAGCAGAAAA
ACCGAATGGATAAAGTATCCAAAAGGCGACAGAAAAACGCTGATGCTATCGCTACAAA
GCAAAACAGTCCGACGTGTACACTAAAACCCAGTCTGACGAAAAGATTTGTCAGAATTGAT
ACCAGCATCGGTGGTCTGACCACTACTGCCGATGGATTGGATACACGCTTGAAGACTGCC
GAAAAAACCATTACCGAACACGGTACGCGCTGGACGGCTTGGATAAAAACAGTGTACAGAC
CTGCGCAAAGAAACCCGCCAAGGCCCTTGCCTGCACAAGCAGCCCTCAGCGGTCTGTTCCAA
CCTTACAGCGTTGGTAAGTTCAACGTTACCCTGCTTTGGGTGGCTTCAAATCTGACACC
GCAGTTGCAGTGGGTGCAGGCTACCCTTCAATGAAAACCTTGCAGCTAAAGCCGGTCTT
GCAGTGGGTACCTCTTCAAGAGGCTCTGCATCTTACAACGTAGGTTTGAAGTACGAATGG
TAA

>NEIS1969_120

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCCTCCTTCTGTAGCGGC
GCGCTGGCGGCAACGAAGTGAATGGTGTACGACCGAGGCCAAGCCAAACAGATGGAGAA
GTTGCCGACAGCCGCTTGGTTGGAGTCTACAACAATACCCAAAGAAATCAACGGTTTCAA
GTCCGAGACACCATCTACGACATTGATGGAAACGGCAAAATACCGACAGAGAAGCAACC
CAAGAAGATGTCGATAACGACGACTTTAAAGTCTGGGTCTGAAAGAAGTCTGGCTCAA
CACGACCAAAGCCTTGCCGACCTGACCGAAACCGTCAATGAAAACAGCGAAGCATTGGTA
AAAACCGCCGCGTTGTCAATGACATCAGTCCGATGTCAAAGCCAAACACAGCAGCTATC
GGGAAAACAAAGCTGCTATCGCCAAAAGGCAGATCAAACCGCATTGGATGCAGTATCC
GAAAAGGTAACCGCAAATGAACTGCTATCGGTAAAAAAGCAAACAGTCCCGACGTGTAC
ACTAAAGCTGAGGTGTACACCAAACAAGAGTCTGACAACAGATTTGTCAAATTTGGTGAC
AGCATCGGTAATCTGAACACTACTGCCAATGGATTGGAGACACGCTTGGCCGCTGCCGAA
AAATCTGTTGCAGACCAGGTACTCGCTTGGCTTCTGCCGAAAAATCCATTACCGAACAC
GGTACGCGCTGAACCGTTTGGATAAAAACAGTGTACAGCTGCGCAAAGAAACCCGCCAA
GGCCTTGCAGAAACAAGCCGCTCTCCGGCCTGTTCCAACCTTACAACGTGGGTTCGGTTC
AATGTAACGGCTGCAGTCCGGCGCTACAAATCCGAATCGGCAGTCCGCATCGGTACCGGC
TCCGCTTTACCGAAAACCTTTGCCGCCAAGCAGGCGTGGCAGTCCGCATCTCGTCCGGT
TCTTCCGACGCTACCATGTCCGGCTCAATTACGAGTGGTAA

>NEIS1969_121

ATGAAACACTTTCAATCCAAAGTACTGACCGCAGCCATCCTTGCCGCCCTCAGCGGCAGC
GCAATGGCAGACAACCCCCCTTCCACTGACGAAATGGCACAGCCGCCCTGGTTGGA
TCTTACAACAATGCCCAAGAAATCAACAGTTTCGAAGTCCGAGACGCCATCTACGGCATT
GATGGAGACGGCAAAATACCAAAAAACAGCAACCCAAAGAAGATGTCGATAACGACGAC
TTTAAAGTCTGGGTCTGAAAGAAGTCTTGGCTCGACACGACCAAAGCCTTGCCGACCTG
ACCGAAACCGTCCGAGGAAAACAGCGAAGCATTGGTAAAAACCGCCGAGGTTGTCAATGAC
ATCAGTGCAGATGTCAAAGCCAAACACAGCAGCTATCGGGGAAAACAAAGCTGCTATCGCT
ACAAAAGCAGACAAAACCGAACTGGATAAAGTGTCCGGCAAAGTAACCGAGAACGAGACT
GCTATCGGTAAGAAAGCAAACAGTCCGACGCTGTACACTAAAGCTGAGGTGTACACAAA
CAAGAGTCTGACAACAGATTTGTCAAATTAGTGACGGAATCGGTAATCTGAACACTACT
GCCAATGGATTGGAGACAGCTTGGCCGCTGCCGAACAATCCGTTGCAGACCAGGTTACG
CGCTTGGCTTCTGCCGAAAAATCCATTACCGAACCGGTACGCGCCTGAACGGTTTGGAT
AGAACAGTGTGACAGCTGCGTAAAGAAACCCGCCAAGGCCCTGCGAACAAGCCGCGCTC
TCCGGTCTGTTCCAACCTTACAACGTGGGTTCGTTCAATGTAACGGCTGCAGTCCGGCGC
TACAAATCCGAATCGGCAGTCCGCATCGGTACCGGCTTCCGCTTACCGAAAACCTTTGCC
GCCAAAGCAGGCGTGGCAGTCCGCATCTCGTCCGGTCTTCCGACGCTACCATGTCCGGC
GTCAATTACGAGTGGTAA

>NEIS1969_122

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGCGACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGTCTGGGTCTGAAAAAAGTCTGACTAACCTGACCAAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGCAACCACC
AACGCCTTGAATAAATTTGGGAGAAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTGCACAAGCATGCCGAA
GCATTAACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCGGACGAAAGCCGTC
AAAACCGCCAATGAAGCCAAACAGACGGCCGAAGAAACCAAACAAAACGTCGATGCCAAA
GTAAAAGCTGCAGAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTGCTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGACAACAAGATAATATTGCTAAAAAAGCAAACAGTCCCGACGTGTACACCAGAGAAGAG
TCTGACAGCAAAATTTGTCAAGATTTGATGGTCTGAACGCTACTACCGAAAAATTTGGACACA
CGCTTGGCTTCTGTGAAAAATCCATTGCCGATCACGATACTCGCCTGAACGGTTTGGAT
AAAACAGTGTGACAGCTGCGCAAAGAAACCCGCCAAGGCCCTTGCAGAACAAAGCCGCGCTC
TCCGGTCTGTTCCAACCTTACAACGTGGGTTCGTTCAATGTAACGGCTGCAGTCCGGCGC

TACAAATCCGAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCC
GCCAAAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGG
GTCAATTACGAGTGGTAA

>NEIS1969_123

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCTGGGTCTGAAAAAGTCGTGACTAACCTGACCAAACCCGTCAATGAAAACA
AACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACCA
AGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGAAACCACCA
ACGCTTGAATAAATTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAATA
TCGTAAAAATGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAG
CATTCAACGATATCGCCGATTCAATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTCA
AAACCGCCAATGAAGCCAAACAGACGGCCGAAAGAAACCAAACAAACGTCGATGCCAAAG
TAAAAGCTGCAGAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACTG
CAGCCGACAAGCCGAAGCTGTCGCTGCAAAAGTTACCGACATCAAAGCTGATATCGCTA
CGAACAAAGCTGATATTGCTAAAAACTCAGCACGCATCGACAGCTTGGACAAAACGCTAG
CTAATCTGCGCAAAGAAACCCGCCAAGGCCCTTGCAAGAACAAGCCGCGCTCTCCGGCCTGT
TCCAACCTTACAACGTGGGTCCGTTCAATGTAACGGCTGCAGTCGGCGGCTACAAATCCG
AATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCGCCAAAGCAG
GCGTGGCAGTCGGCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGGCTCAATTACG
AGTGGTAA

>NEIS1969_124

ATGAAACACTTTCCATCCAAAGTACTGACCGCAGCCATCCTTGCCCTTCTGTAGCGGC
GCGCTGGCAGCATCAAACAGTGTATGAGACCGAGGTCATCGACCACACGCTCGAGAAGTTG
CCACAGCCGCCCTGGTTGGAGCCTACAACAATGCCCAAGAAATCAACGGTTTCAAAGTCG
GAGACACCATCTACGACATTAATGGAAGCGCGGAAATTACCCCAAAGAAGCAACCCAAAG
AAGATGTCGATAACGACGACTTTAAAGGTCTGGGTCTGAAAGAAGTCGTGGCTCAACACG
ACCAAAGCCTTGGCGACCTGACCGGAATCGTCGAGGAAAACAGCGAAGCATTGGTAAAAA
CCGCCAAGGTTGTCAATGACATCAGTGCCTGATGTCATTGACAACACAGCAGCTATCCGGG
AAAACAAAGCTGCTATCGCCAAAAAGGCAGATCAAACCGCATTGGATGCAGTATCCGAAA
AGGTAACCGCAAATGAAACTGCTATCGCTACAAAAGCAGACAAAACCGAACTGGATAAAG
TGTCCGGCAAAGTAACCGCAAACGAGACTGCTATCGCTACAAAAGCAAACAGTGCAGCAG
TGTACACTAAAGCTGAGGTGTACACCAAACAAGAGTCTGACAACAGATTTGTCAAAATG
GTGACAGAATCGGTAATCTGAACACTACTGCCGATGGATTGGATACACGCTTGAAGACTG
CCGAAAAAACCATTACCGAACACGGTACGCGCCTGGACGGCTTGGATAAAACAGTGTCAA
ACCTGCGTAAAGAAACCCGCCAAGGCCCTTGCAAGAACAAGCCGCGCTCTCCGGCCTGTTCC
AACCTTACAACGTGGGTCCGTTCAATGTAACGGCTGCAGTCGGCGGCTACAAATCCGAAT
CGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCGCCAAAGCAGGCG
TGGCAGTCGGCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGGCTCAATTACGAGT
GGTAA

>NEIS1969_125

ATGCAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAACGACGACGATGTTAAAAAAGCTGCCCTGTGGCCATTGCTGCTG
CCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATTG
ATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGACT
TTAAAGGTCTGGGTCTGAAAAAGTCGTGACTAACCTGACCAAACCCGTCAATGAAAACA
AACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAAACAACCA
AGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGCAACCACCA
ACGCTTGAATAAATTGGGAGAAAATATAACGACATTTGCTGAAGAGACTAAGACAAATA
TCGTAAAAATGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAAG
CATTCAACGATATCGCCGATTCAATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTCA
AAACCGCCAATGAAGCCAAACAGACGGCCGAAAGAAACCAAACAAACGTCGATGCCAAAG
TAAAAGCTGCAGAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCACAGCTAATACTG
CAGCCGACAAGCCGAAGCTGTCGCTGCAAAAGTTACCGACATCAAAGCTGATATCGCTA
CGAACAAAGATAATATTGCTAAAAAGCAAACAGTGCAGCAGCTGTACACCAGAGAAGAGT
CTGACAGCAAATTTGTGAGAATTTGATGGTCTGAACGCTACTACCGAAAATTTGGACACAC
GCTTGGCTTCTGCTGAAAAATCCATTGCCGATCACGATACTCGCCTGAACGGTTTGGATA
AAACAGTGTGACACTGCGCAAAGAAACCCGCCAAGGCCCTTGCAAGAACAAGCCGCGCTCT
CCGGTCTGTTCCAACCTTACAACGTGGGTCCGTTCAATGTAACGGCTGCAGTCGGCGGCT
ACAAATCCGAATCGGCAGTCGCCATCGGTACCGGCTTCCGCTTTACCGAAAACCTTTGCCG
CCAAAGCAGGCGTGGCAGTCGGCACTTCGTCCGGTTCTTCCGCAGCCTACCATGTCCGGC
TCAATTACGAGTGGTAA

>NEIS1969_126

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC

GCACTGGCAGCCACAAACGACGACGATGTTAAAAAGCTGCCACTGTGGCCATTGCTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GATGAAGACGGCACAATTACCAAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCCTGGGTCTGAAAAAGTCTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTCTGGATGCAACCACCAACGCTTGAATAAATTGGGA
GAAAATATAACGACATTTACTGAAGAGACTAGGGCGTGTCTCAATTTAACTTAGCATGA
ATAATAGAGCAAGCCAAGTAAAGCATCGATTTAAAATTACGAGCTAATTTCTCATAGCGA
GTAGCAATACTACGAACTGCTTTAATCGTGCAAAATGCATTCTCGACTAAGTGGCGTAAT
TTATAAAGGTAGCTATCAAAATCAGGGTTAGGTTTCTTGGCATTTTTACGCTTTGGTATA
ATAGCTTTTCATACCGTGTTCATCGCTTTATCTCTGATTTCTTGCAGTCATACCCTTTG
TCAGCGATAAAAATACTGGGCTTCTTGTATGACTTCTATCAAGTCGTTTGCAACTTGACCG
TCGTGCACGTTACCCCCAGTACTTTAAAATCGAGCGGATTTCCATGCGAGTCCACACAT
AGGTGTATTTTGTGCTGTTTCCGCCACGGCTTTGTCCAATTGCTCTATCGAAACCACGC
CGAGCTCCACTTGCATGTTGATGACACCGTACATAACTTCCGTCGATGAATACCCATTCT
TTGTCAATTTCTTTTTCGTAGATCAAAAAAATTCTGCCACAAGCCTTTTTTAGACCATC
GGTTAAAGCGGTTATAAGCGGTTTTCCATGACCCTAGCTCAATAGGTATGTCTCGCCATG
GTGCACCTGTTCTTAGCTTCCATAGTATGGCTTCCATCACGGTACGGTCTGTTCTTCCATT
GATGACAGCCGTGCGCTTTCATGGTTGTTTGAATTGTTCCCATATGTTGTCAGTTATTG
CGGTTCTCGCCATTGTTTGTGTTTGCCTATATTTCTGTTGGAATATAGGGTTAAAATAGGG
CTCTTTTGGGCTTATTCAAATTAGGGACACGCCCTAAGACAAATATCGTAAAAATTGATG
AAAAATTAGAAGCCGTGGCTGATACCGTTCGACAAGCATGCCGAAGCATTCAACGATATCG
CCGATTCAATGGATGAAACCAACACTAAGGCAGACGAAGCCGTCAAAACCGCCAATGAAG
CCAACAGACGGCCGAAGAAACCAAAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAAA
CTGCCGCTGGCAGACTAATACTGCAGCCGACAAGGCCGAAGCTGTGCGTGCAAAAGTTA
CCGACATCAAAGCTGATATCGCTACGAACAAAAGATAATATTGCTAAAAAAGCAAACAGTG
CCGACGTGTACACCAGAGAAGAGTCTGACAGCAAAATTTGTGAGAATTGATGGTCTGAACG
CTACTACCGAAAAATTGGACACACGCTTGGCTTCTGCCGAAAAATCCATTACCGAACCG
GTACGCGCTGAACGGTTTGGATAGAACAGTGTGACACCTGCGTAAAGAAACCGCCAAG
GCCTTGCAGAAACAGCCGCTCTCCGGTCTGTTCCAACCTTACAACGTGGGTGCGTTCA
ATGTAACGGCTGCAGTCGGCGGCTACAAATCCGAATCGGCAGTCGCCATCGGTACCGGCT
TCCGCTTTACCGAAAACCTTCCGCCAAAGCAGGCGTGGCAGTCGGCACCTTCTGTCGGTT
CTTCCGCAGCCTACCATGTTCGGCTCAATTACGAGTGGTAA

>NEIS1969_127

ATGAAACACTTTCCATCCAAAGTACTGACCACAGCCATCCTTGCCACTTTCTGTAGCGGC
GCACTGGCAGCCACAAGCGACGACGATGTTAAAAAGCTGCCACTGTGGCCATTGTTGCT
GCCTACAACAATGGCCAAGAAATCAACGGTTTCAAAGCTGGAGAGACCATCTACGACATT
GGTGAAGACGGCACAATTACCCAAAAAGACGCAACTGCAGCCGATGTTGAAGCCGACGAC
TTTAAAGGTCCTGGGTCTGAAAAAGTCTGACTAACCTGACCAAAACCGTCAATGAAAAC
AAACAAAACGTCGATGCCAAAGTAAAAGCTGCAGAATCTGAAATAGAAAAGTTAACAACC
AAGTTAGCAGACACTGATGCCGCTTTAGCAGATACTGATGCCGCTCTGGATGAAACCACC
AACGCCTTGAATAAATTGGGAGAAAAATATAACGACATTTGCTGAAGAGACTAAGACAAAT
ATCGTAAAAAATTGATGAAAAATTAGAAGCCGTGGCTGATACCGTCGACAAGCATGCCGAA
GCATTTCAACGATATCGCCGATTCATTGGATGAAACCAACACTAAGGCAGACGAAGCCGTC
AAAACCGCCAATGAAGCCAAACAGACGGCCGAAGAAACCAAAACAAAACGTCGATGCCAAA
GTAAAAGCTGCAGAAACTGCAGCAGGCAAAGCCGAAGCTGCCGCTGGCAGCTAATACT
GCAGCCGACAAGGCCGAAGCTGTGCGTGCAAAAAGTTACCGACATCAAAGCTGATATCGCT
ACGAACAAAGCTGATATTGCTAAAAACTCAGCACGCATCGACAGCTTGGACAAAACGTA
GCTAATCTCGCAAAGAAACCCGCCAAGGCTTGCAGAACAAGCCGCTCTCCGGCTG
TTCCAACCTTACAACGTGGGTGCGTTCAATGTAACGGCTGCAGTCGGCGGCTACAAATCC
GAATCGGCAGTCGCCATCGGTACCGCTTCCGCTTTACCGAAAACCTTCCGCCAAAGCA
GGCGTGGCAGTCGGCACCTTCTCCGGTTCTTCCGCAGCCTACCATGTTCGGCTCAATTAC
GAGTAG

Text S1. Neis1969 (*nadA*) nucleotide sequences available at the time of writing.

>NadA_peptide_1
MKHFPSKVLTTAILATFCSGALAATSDDDDVKKAAATVAIAAAYNNGQEINGFKAGETIYDI
GEDGTITQKDATAADVEADDFKGLGGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALADTDAALDATTNALNKLGENITTFAEETKTNIVKIDKLEAVADTVDKHAE
AFNDIADSLDETNTKADEAVKTANEAKQTAETKQNVDAKVKAAETAAGKAEAAAAGTANT
AADKAEAVAAKVTDIKADIATNKADIANKSARIDSLDKNVANLRKETRQGLAEQAALSGL
FQPYNVGRFNVTAAVGGYKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVG VNY
EW

>NadA_peptide_2
MKHFPSKVLTTAILATFCSGALAATNDDDDVKKAAATVAIAAAYNNGQEINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLGGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALDATTNALNKLGENITTFAEETKTNIVKIDKLEAVADTVDKHAEAFNDIAD
SLDETNTKADEAVKTANEAKQTAETKQNVDAKVKAAETAAGTANTAADKAEAVAAKVTD
IKADIATNKDNIAKKANSADVYTREESDSKFVRI DGLNATTEKLDTRLASAEKSITEHGT
RLNGLDRTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGGYKSESAVAIGTGFR
FTENFAAKAGVAVGTSSGSSAAYHVG VNYEW

>NadA_peptide_3
MKHFPSKVLTTAILATFCSGALAATNDDDDVKKAAATVAIAAAYNNGQEINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLGGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALDATTNALNKLGENITTFAEETKTNIVKIDKLEAVADTVDKHAEAFNDIAD
SLDETNTKADEAVKTANEAKQTAETKQNVDAKVKAAETAAGKAEAAAAGTANTAADKAEA
VAAKVTDIKADIATNKDNIAKKANSADVYTREESDSKFVRI DGLNATTEKLDTRLASAEK
SITEHGT RLNGLDRTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGGYKSES AV
AIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVG VNYEW

>NadA_peptide_4
MKHFPSKVLTTAILATFCSGALAATNDDDDVKKAAATVAIAAAYNNGQKINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLGGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALDATTNALNKLGENITTFAEETKTNIVKIDKLEAVADTVDKHAEAFNDIAD
SLDETNTKADEAVKTANEAKQTAETKQNVDAKVKAAETAAGKAEAAAAGTANTAADKAEA
VAAKVTDIKADIATNKDNIAKKANSADVYTREESDSKFVRI DGLNATTEKLDTRLASAEK
SITEHGT RLNGLDRTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGGYKSES AV
AIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVG VNYEW

>NadA_peptide_5
MKHFQSKVLTTAILATFCSGALAATNDDDDVKKAAATVAIAAAYNNGQEINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLGGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALDATTNALNKLGENITTFAEETKTNIVKIDKLEAVADTVDKHAEAFNDIAD
SLDETNTKADEAVKTANEAKQTAETKQNVDAKVKAAETAAGKAEAAAAGTANTAADKAEA
VAAKVTDIKADIATNKDNIAKKANSADVYTREESDSKFVRI DGLNATTEKLDTRLASAEK
SITEHGT RLNGLDRTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGGYKSES AV
AIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVG VNYEW

>NadA_peptide_6
MKHFPSKVLTTAILATFCSGALAATNDDDDVKKAAATVAIAAAYNNGQEINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLGGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALADTDAALDATTNALNKLGENITTFAEETKTNIVKIDKLEAVADTVDKHAE
AFNDIADSLDETNTKADEAVKTANEAKQTAETKQNVDAKVKAAETAAGKAEAAAAGTANT
AADKAEAVAAKVTDIKADIATNKDNIAKKANSADVYTREESDSKFVRI DGLNATTEKLD
RLASAEKSITEHGT RLNGLDRTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGG
YKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVG VNYEW

>NadA_peptide_7
MQHFPSKVLTTAILATFCSGALAATNDDDDVKKAAATVAIAAAYNNGQEINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLGGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALADTDAALDATTNALNKLGENITTFAEETKTNIVKIDKLEAVADTVDKHAE
AFNDIADSLDETNTKADEAVKTANEAKQTAETKQNVDAKVKAAETAAGKAEAAAAGTANT
AADKAEAVAAKVTDIKADIATNKDNIAKKANSADVYTREESDSKFVRI DGLNATTEKLD
RLASAEKS IADHDTRLNGLDKTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGG
YKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVG VNYEW

>NadA_peptide_8
MKHFPSKVLTTAILATFCSGALAATNDDDDVKKAAATVAIAAAYNNGQEINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLGGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALADTDAALDATTNALNKLGENITTFAEETKTNIVKIDKLEAVADTVDKHAE
AFNDIADSLDETNTKADEAVKTANEAKQTAETKQNVDAKVKAAETAAGKAEAAAAGTANT
AADKAEAVAAKVTDIKADIATNKDNIAKKANSADVYTREESDSKFVRI DGLNATTEKLD
RLASAEKS IADHDTRLNGLDKTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGG

YKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVGVNYEW

>NadA_peptide_9

MKHFPKSVLTTAILATFCGALAAATNDDDDVKKAAATVAIAAAYNNGQEINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLGLKKVVNTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALADTDAALDATTNALNKLGENITTFAEETKTNIVKIDEKLEAVADTVDKHAE
AFNDIADSLDETNTKADEAVKTANEAKQTAETKQNVDAKVKAAETAAGKAEAAAAGTANT
AADKAEAVAAKVTDIKADIATNKDNI AKKANSADVTTREESDSKFVRI DGLNATTEKLDT
RLASAEKSIAEHGTRLNGLDKTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGG
YKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVGVNYEW

>NadA_peptide_21

MKHFPKSVLTTAAILAALSAMADNAPTADEI AKAALVNSYNNTQDINGFTVGDIIYDI
NDKITKKEATEADVEADDFKGLGLKEVVAQHDQSLADLTETVNSEALVKTAAVVNDIS
ADV KANTAAI GENKAAIATKADKTEL D KVS GKVTENETAI GK KANSADVTKAEVYTKQE
SDNRFVKISDGI GNLT TANGLETR LAAAEQSVADHGTR LSAEKSITEHGTRLNGLDRT
VSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGGYKSESAVAIGTGFRFTENFAAK
AGVAVGTSSGSSAAYHVGVNYEW

>NadA_peptide_25

MKHFPKSVLTTAILATFCGALAAATSDDDVKKAAATVAIVAAAYNNGQEINGFKAGETIYDI
GEDGTITQKDATAADVEADDFKGLGLKKVVNTLTKTVNENKQNVDAKVKAAETAAGKAEA
AAGTANTAADKAEAVAAKVTDIKADIATNKADI AKNSARIDSLDKNVANLRKETRQGLAE
QAALSGLFQPYNVGRFNVTAAVGGYKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAA
YHVGVNYEW

>NadA_peptide_26

MKHFPKSVLTTAAILASFCGALAAATNDDDDVKKAAATVAIAAAYNNGQEINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLGLKKVVNTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALDATTNALNKLGENITTFAEETKTNIVKIDEKLEAVADTVDKHAEAFNDIAD
SLDETNTKADEAVKTANEAKQTAETKQNVDAKVKAAETAAGKAEAAAAGTANTAADKAEA
VAAKVTDIKADIATNKDNI AKKANSADVTTREESDSKFVRI DGLNATTEKLDTRLASAEK
SITEHGTRLNGLDRTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGGYKSESAV
AIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVGVNYEW

>NadA_peptide_28

MKHFPKSVLTTAILATFCGALAAATSDDDVKKAAATVAIVAAAYNNGQEINGFKAGETIYDI
GEDGTITQKDATAADVEADDFKGLGLKKVVNTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALADTDAALDETTNALNKLGENITTFAEETKTNIVKIDEKLEAVADTVDKHAE
AFNDIADSLDETNTKADEAVKTANEAKQTAETKQNVDAKVKAAETAAGKAEAAAAGTANT
AADKAEAVAAKVTDIKADIATNKADI AKNSARIDSLDKNVANLRKETRQGLAEQAALSGL
FQPYNVGRFNVTAAVGGYKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVGVNY
EW

>NadA_peptide_58

MKHFPKSVLTTAILATFCGALAAATSDDDVKKAAATVAIVAAAYNNGQEINGFKAGETIYDI
GEDGTITQKDATAADVEADDFKGLGLKKVVNTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALADTDAALDETTNALNKLGENITTFAEETKTNIVKIDEKLEAVADTVDKHAE
AFNDIADSLDETNTKADEAVKTANEAKQTAETKQNVDAKVKAAETAAGKAEAAAAGTANT
AADKAEAVAAKVTDIKADIATNKADI AKNSARIDSLDKNVANLRKETRQGLAEQAALSGL
FQPYNMGRFNVTAAVGGYKSESAVGTSSGSSAAYHVGVNYEW

>NadA_peptide_79

MKHFPKSVLTTAAILAALSAMADNPPSTDEI AKAALVGVYNTQDINGFKVGDIIYDI
ENGQPKGRPATEDDDVKADDFGGLGLKEVLAQHDQSLADLTGTVEENSEALVKTAEVVNDI
SADV KANTAAI RENKAAIATKADKTEL DEVSGKVTANETAI GK KANSADVTKAEVYTKQ
ESDNRVFKIGDRIGNLT TANGLETR LADAEKSVKDHGTR LSAEKSITEHGTRLNGLDR
TVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGGYKSESAVAIGTGFRFTENFAA
KAGVAVGTSSGSSAAYHVGVNYEW

>NadA_peptide_85

MKHFPKSVLTTAILATFCGALAAATSDDDVKKAAATVAIVAAAYNNGQEINGFKAGETIYDI
GEDGTITQKDATAADVEADDFKGLGLKKVVNTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALADTDAALDETTNALNKLGENITTFAEETKTNIVKIDEKLEAVADTVDKHAE
AFNDIADSLDETNTKADEAVKTANEAKQTAETKQNVDAKVKAAETAAGKAEAAAAGTANT
AADKAEAVAAKVTDIKADIATNKADI AKNSARIDSLDKNVANLRKETRQGLTEQAALSGL
FQPYNVGRFNVTAAVGGYKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVGVNY
EW

>NadA_peptide_86

MKHFPSKVLTTAILATFCSGALAATSDDDDVKKAAATVAIVAAAYNNGQEINGFKAGETIYDI
GEDGTITQKDATAADVEADDFKGLGGLKVVVTLTKTVNETKQNVDAKVKAAETAAGKAEA
AAGTANTAADKAEVAAKVTDIKADIATNKADI AKNSARIDSLDKNVANLRKETRQGLAE
QAALSGLFQPYNVGRFNVTAAVGGYKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAA
YHVG VNYEW

>NadA_peptide_87

MKHFQSKVLTAAILAALS GSAMADNPPPPSTDEI AKAALVNSYNNTQDINGFKVGD TIYD
IENGQPKGRSATEDDDVKADDFGGLGGLKEVVAQHDQSLADLTETVNSEALVKTAEVVNE
ISTDVKANKAAITTKADKAKLDEVSGKVTANETA IATKANSADVYTKTQSDERFVRIDTS
IGGLTTTADGLDTRLKTAEKTI TEHGTRLSAEKSI TEHGTRLNGLDRTVSDLRKETRQ
LAEQAALSGLFQPYNVGRFNVTAAVGGYKSESAVAIGTGFRFTENFAAKAGVAVGTSSGS
SAAYHVG VNYEW

>NadA_peptide_89

MKHFQSKVLTAAILAALS GSAMADNPPPLPLTKLPKPWLESTTI PKTSTDSKSETPSTTL
KMASLKEDQQKDDVKADDFGGLGGLKEVLAQHDQSLADLTGTVEENSEALVKTAEVVNDI
SADVKANTAAIRENKA AIATKADKTELDEVSGKVTANETA IGKKANSADVYTKAEVYTKQ
ESDNRVFKIGDRIGNLNTTANGLETRLADAESVKDHGTRLVSAEKSI TEHGTRLNGLDR
TVSDLRKENRQGLAEQAALSGLFQPYNVGRFNVTAAVGGYKSESAVAIGTGFRFTENFAA
KAGVAVGTSSGFFAAYHVG VNYEW

>NadA_peptide_91

MKHFPSKVLTTAILATFCSGALAATNDDDDVKKAAATVAIAAAYNNGQEINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLGGLKVVVTLTKTVNENKQNVDAKVKAAETAAGKAEA
AAGTANTAADKAEVAAKVTDIKADIATNKDNI AKKANSADVYTREESDSKFVRIDGLNA
TTEKLDTRLASA EKSIADHDTRLNGLDKTVSDLRKETRQGLAEQAALSGLFQPYNVGRFN
VTAAVGGYKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVG VNYEW

>NadA_peptide_92

MKHFPSKVLTAAILAALS GSAMADNAPTADEI AKAALVNSYNNTQDINGFTVGD TIYDID
GNNKIIEKKATQEDVDNDDFKGLGGLKEVVAQHDQSLADLTETVNSEALVKTAEVVNEI
STDVKANKAAITTKADKAKLDEVSGKVTANETA IATKADKAKLDEVSGKVTANETA IATK
ADKAKLDEVSGKVTANETA IATKANSADVYTKTQSDERFVRIDTSIGGLTTTADGLDTRL
KTAEKTI TEHGTRLNGLDRTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGGYK
SESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVG VNYEW

>NadA_peptide_98

MKHFQSKVLTAAILAALS GSAMADNPPSTDEI AKAALVNSYNNTQDINGFKVGD TIYDIN
GNGKITRKTATEDDDVKADDFGGLGGLKEVLAQHDQSLADLTGTVDENSEALVKTAEVVNDI
SADVKANTAAIGENKAAI AKKADQ TALDAVSEKVTANETA IGKKANSADVYTKAEVYTKQ
ESDNRVFKIGDRIGNLNTTANGLETRLADAESKVADHGTRLSAEKSI TEHGTRLNGLDR
TVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGGYKSESAVAIGTGFRFTENFAA
KAGVAVGTSSGSSAAYHVG VNYEW

>NadA_peptide_100

MKHFPSKVLTTAILATFCSGALAATSDDDDVKKAAATVAIVAAAYNNGQEINGFKAGETIYDI
GEDGTITQKDATAADVEADDFKGLGGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLT
KLADTDAALADTDAALDETTNALKLGENITTF AEETKTNI VKIDEKLEAVADTVDKHAE
AFNDIADSLDETNTKAEAVKTANEAKQTAEETKQNVDAKVKAAETAAGKAEAAAAGTANT
AADKAEVAAKVTDIKADIATNKADI AKNSARIDSLDKNVANLRKETRQGLAEQAALSGL
FQPYNVGRFNVTAAVGGYKSESAVAIGTASALPKTLPKQAWQSALRPVLPQPTMSASIT
SGKQHLPIKKPQPCAAVFI FYPVRLPRPNVRPCGYGLPPQPAAQKSCRFRFFPNAPPR
QSRQSRVPQHHPPTPARF

>NadA_peptide_101

MQHFPSKVLTTAILATFCSGALAATNDDDDVKKAAATVAIVAAAYNNGQEINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLGGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLT
KLADTDAALADTDAALDATNALKLGENITTF AEETKTNI VKIDEKLEAVADTVDKHAE
AFNDIADSLDETNTKAEAVKTANEAKQTAEETKQNVDAKVKAAETAAGKAEAAAAGTANT
AADKAEVAAKVTDIKADIATNKADI AKNSARIDSLDKNVANLRKETRQGLAEQAALSGL
FQPYNVGRFNVTAAVGGYKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVG VNY
EW

>NadA_peptide_103

MKHFPSKVLTTAILATFCSGALAATSDDDDVKKAAATVAIVAAAYNNGQEINGFKAGETIYDI
GEDGTITQKDATAADVEADDFKGLGGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLT
KLADTDAALDTDAALDETTNALKLGENITTF AEETKTNI VKIDEKLEAVADTVDKHAE
AFNDIADSLDETNTKAEAVKTANEAKQTAEETKQNVDAKVKAAETAAGKAEAAAAGTANT
AADKAEVAAKVTDIKADIATNKADI AKNSARIDSLDKNVANLRKETRQGLAEQAALSGL

FQPYNVGRFNVTAAVGGYKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVGVNY
EW

>NadA_peptide_105

MKHFP SKVLTTAILATFCSGALAATSDDDDV KKAATVAIVAAAYNNGQEINGFKAGETIYDI
GEDGTITQKDATAADVEADDFKGLGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALADTDAALDETTNALNKLGENITTF AEETKTNIVKIDEKLEAVADTVDKHAE
AFNDIADSLDETNTKAEAVKTANEAKQTAEETKQNVDAKVKAAETAAGKAEAAAAGTANT
AADKAEAVAAKVTDIKADIATNKADI AKNSARIDSLDKNVANLRKETRQGLAEQAALSGL
FQPYNVGRFNVTAAVDGYKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVGVNY
EW

>NadA_peptide_106

MKHFP SKVLTTAILATFCSGALAATSDDDDV KKAATVAIVAAAYNNGQEINGFKAGETIYDI
GEDGTITQKDATAADVEADDFKGLGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALADTDAALDETTNALNKLGENITTF TEETKTNIVKIDEKLEAVADTVDKHAE
AFNDIADSLDETNTKAEAVKTANEAKQTAEETKQNVDAKVKAAETAAGKAEAAAAGTANT
AADKAEAVAAKVTDIKADIATNKADI AKNSARIDSLDKNVANLRKETRQGLAEQAALSGL
FQPYNVGRFNVTAAVGGYKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVGVNY
EW

>NadA_peptide_108

MKHFP SKVLTTAILATFCSGALAATNDDDDV KKAATVAIAAAYNNGQEINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALADTDAALDATTNALNKLGENITTF AEETNTNIVKIDEKLEAVADTVDKHAE
AFNDIADSLDETNTKAEAVKTANEAKQTAEETKQNVDAKVKAAETAAGKAEAAAAGTANT
AADKAEAVAAKVTDIKADIATNKDNI AKKANSADVTTREESDSKFVRI DGLNATTEKLDT
RLASAEKSIADHDTRLNGLDRTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGG
YKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVGVNYEW

>NadA_peptide_110

MKHFP SKVLTTAILATFCSGALAATSDDDDV KKAATVAIVAAAYNNGQEINGFKAGETIYDI
GEDGTITQKDATAADVEADDFKGLGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALADTDAALDETTNALNKLGENITTF AEETKTNIVKIDEKLEAVADTVDKHAE
AFNDIADSLDETNTKAEAVKTANEAKQTAEETKQNVDAKVKAAETAAGKAEAAAAGTANT
AADKAEAVAAKVTDIKADIATNKADI AKNSARIDSLDKNVANLRKETRQGLAEQAALSGL
FQPYNVGRFNVTAAVGGYKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVGVNY
E

>NadA_peptide_112

MKHFP SKVLTTAILATFCSGALAATSDDDDV KKAATVAIVAAAYNNGQEINGFKAGETIYDI
GEDGTITQKDATAADVEADDFKGLGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALADTDAALDETTNALNKLGENITTF AEETKTNIVKIDEKLEAVADTVDKHAE
AFNDIADSLDETNTKAEAVKTANEAKQTAEETKQNVDAKVKAAETAAGKAEAAAAGTANT
AADKAEAVAAKVTDIKADIATNKADI AKNSARIDSLDKNVANLRKETRQGLAEQAALSGL
FQPYNVGRFNVTAAVGGYKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAADHVGVNY
EW

>NadA_peptide_113

MKHFP SKVLTTAILATFCSGALAATNDDDDV KKAATVAIAAAYNNGQEINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALDATTNALNKLGENITTF AEETKTNIVKIDEKLEAVADTVDKHAEAFNDIAD
SLDETNTKAEAVKTANEAKQTAEETKQNVDAKVKAAETAAGKAEAAAAGTANTAADKAEA
VAAKVTDIKADIATNKADI AKNSARIDSLDKNVANLRKETRQGLAEQAALSGLFQPYNVG
RFNVTAAVGGYKSESAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVGVNYEW

>NadA_peptide_114

MKHFP SKVLTAAILAALS GSAMAGNPPLSTDEIATAAMVGSYNNAQEINGFEVGD TIYDI
NGDGKITKKTATQEDVDNDDFKGLGLKEV LARHDQSLADLTGTVEENSEALVKTAEVVND
ISADV KANTAAI GENKAAIATKADKTEL DKVSGKVTENETAIGKKANSADVTKAEVYTK
QESDNRFVKISDGI GNLTNANGLETR LAAAEQSVADHGTRLASAEKSI TEHGTRLNGLD
RTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGGYKSESAVAIGTGFRFTENFA
AKAGVAVGTSSGSSAAYHVGVNYEW

>NadA_peptide_115

MKHFP SKVLTTAILATFCSGALAATNDDDDV KKAATVAIAAAYNNGQEINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLGLKVVVTLTKTVNENKQNVDAKVKAAESEIEKLTT
KLADTDAALDATTNALNKLGENITTF AEETKTNIVKIDEKLEAVADTVDKHAEAFNDIAD
SLDETNTKAEAVKTANEAKQTAEETKQNVDAKVKAAETAAGKAEAAAAGTANTAADKAEA
VAAKVTDIKADIATNKDNI AKKANSADVTTREESDSKFVRI DGLNATTEKLDTRLASAEK

SITEHGTRLNGLDRTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGGYKSESAV
AIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVG VNYEW

>NadA_peptide_116

MKHFPSKVLTAAILAALS GSGSAMADNAPTADEI AKAALVNSYNNTQDINGFTVGD TIIYDID
GNNKIIEKKATQEDVDNDDFKGLGLKEVVAQH DQSLADLTETV NENSEALVKTA EVVNEI
STDVKANKAAITTKADKAKLDEVSGKVTANETA IATKADKAKLDEVSGKVTANETA IATK
ANSADVYTKTQSDERFVRIDT SIGGLTTTADGLDTRLKTA EKTITEHGTRLNGLDRTVSD
LRKETRQGLAEQAALSGLFQPYNVGRFNVTA AVGGYKSESAVAIGTGFRFTENFAAKAGV
AVGTSSGSSAAYHVG VNYEW

>NadA_peptide_117

MKHFQSKVLTAAILAALS GSGSAMADNAPTADEI AKAALVNSYNNTQDINGFKAGDTIYDIG
EDGTITQKDATAADVEADDFKGLGLKVVV TNLTKTVNENKQNVDAKV KAAESEIEKLTTK
LADTDAALADTDAALDETTNALNKLGENITTF AEETKTNIVKIDEKLEAVADTVDKHAEA
FNDIADSLDETNTKGRSRQNPMPKPNRRPKKPNKTSMPKV KAAETAAGKAEAAAAGTANT
AADKAEVAAKVTDIKADIATNKDNI AKKANSADV TREESDSKFVRIDGLNATTEKLD T
RLASAEKSIADHDTRLNGLDKTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTA AVGG
YKSESAVAIGPGFRFTENFAAKAGVAVGTSSGSSAAYHVG VNYEW

>NadA_peptide_118

MKHFPSKVLTTAILATFCSGALAA TSDDDVKKAATVAIVAA YNNGQEINGFKAGETIYDI
GEDGTITQKDATAADVEADDFKGLGLKVVV TNLTKTVNENKQNVDAKV KAAESEIEKLT T
KLADTDAALADTDAALDETTNALNKLGENITTF AEETKTNIVKIDEKLEAVADTVDKHAE
AFNDIADSLDETNTKADEAVKTANEAKQTAEETKQNVDAKV KAAETAAGKAEAAAAGTANT
AADKAEVAAKVTDIKADIATNKADI AKNSARIDSLDKNVANLRKETRQGLAEQAALSGL
FQPYNVGRFNVTA AVGGYKSESAV TIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVG VNY
EW

>NadA_peptide_119

MKHFPSKVLTTAILATFCSGALAA TNDDDVKKAATVAIAAAYNNGQEINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLGLKVVV TNLTKTVNENKQNVDAKV KAAESEIEKLT T
KLADTDAALDATTNALNKLGENITTF AEETKTNIVKIDEKLEAVADTVDKHAEAFNDIAD
SLDETNTKADEAVKTANEAKQTAEETKQNVDAKV KAAETA AVKAAETAAGTANTAADKAE
AVAAKVTDIKADIATNKDNI AKKANSADV TREESDSKFVRIDGLNATTEKLDTRLASAE
KSITEHGTRLNGLDRTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTA AVGGYKSESA
VAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVG VNYEW

>NadA_peptide_120

MKHFPSKVLTTAILATFCSGALAA TNDDDVKKAATVAIAAAYNNGQEINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLGLKVVV TNLTKTVNENKQNVDAKV KAAESEIEKLT D
TDAALADTDAALDATTNALNKLGENITTF AEETKTNIVKIDEKLEAVADTVDKHAEAFND
IADSLDETNTKADEAVKTANEAKQTAEETKQNVDAKV KAAETAAGKAEAAAAGTANTAADK
AEVAAKVTDIKADIATNKDNI AKKANSADV TREESDSKFVRIDGLNATTEKLDTRLASAE
AEKSI TEHGTRLNGLDRTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTA AVGGYKSE
SAVAIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVG VNYEW

>NadA_peptide_121

MKHFPSKVLTTAILATFCSGALAA TNDDDVKKAATVAIAAAYNNGQEINGFKAGETIYDI
DEDGTITKKDATAADVEADDFKGLDLKVVV TNLTKTVNENKQNVDAKV KAAESEIEKLT T
KLADTDAALDATTNALNKLGENITTF AEETKTNIVKIDEKLEAVADTVDKHAEAFNDIAD
SLDETNTKADEAVKTANEAKQTAEETKQNVDAKV KAAETAAGKAEAAAAGTANTAADKAE
VAAKVTDIKADIATNKDNI AKKANSADV TREESDSKFVRIDGLNATTEKLDTRLASAEK
SITEHGTRLNGLDRTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTA AVGGYKSESAV
AIGTGFRFTENFAAKAGVAVGTSSGSSAAYHVG VNYEW

>NadA_peptide_122

MKHFQSKVLTAAILAALS GSGSAMADNPPSTDEI AKAALVGVYNNTQDINGFKVGD TIIYDIE
NGQPKGRPATEDDVKADDFGGLGLKEVLAQH DQSLADLTGTVEENSEALVKTA EVVNDIS
ADV KANTAAI RENKAAIATKADKTELDEVSGKVTANETA I GKKANSADVTKAEVYTKQE
SDNRVFKIGDRIGNLNTTANGLETRLADA EKSVDHGTRLASAEKSI TEHGTRLNGLDRT
VSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTA AVGGYKSESAVAIGTGFRFTENFAAK
AGVAVGTSSGSSAAYHVG VNYEW

>NadA_peptide_123

MKHFQSKVLTAAILAALS GSGSAMADNAPPAD EIAKAALVNSYNITQEINGFKVGD TIIYDIG
ENNKITSKQATEDDVKADDFGGLGLKEVVAEHDQSLADLTETV NENSEALVKTA EVVNEI
SADV KANTAAIAEKA EKTLDKVS KADKNADDIATKA EKTLDKVS KADKNADA IATK
ANSADVYTKTQSDERFVRIDT SIGGLTTTADGLDTRLKTA EKTITEHGTRLDGLDKTVSD
LRKETRQGLAAQAALSGLFQPY SVGKFNVTAALGGFKSDTAVAVGAGYRFNENFAAKAGL

AVGTSSRGSASYNVGLNYEW

>NadA_peptide_124

MKHFQSKVLTAAILASFCGALAATNWNQDTEAKPTDGEVAAAALVGVYNNNTQEINGFK
VGDTIYDIDGNGKITDREATQEDVDNDDFKGLGLKEVVAQHDQSLADLTETVNENSEALV
KTAAVVNDISADVKANTAAIGENKAAIAKKADQTALDAVSEKVTANETAIGKKANSADV
TKAEVYTKQESDNRFVKIGDSIGNLNTTANGLETRLAAAEKSVADHGTRLASAESITEH
GTRLNGLDKTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGGYKSESVAVAIGTG
FRFTENFAAKAGVAVGTSSGSSAAYHVGNYEW

>NadA_peptide_125

MKHFQSKVLTAAILAALSGSAMADNPPPSTDEIATAALVGSYNNAQEINSFEVGDAIYGI
DGDGKITKKKTATQEDVDNDDFKGLGLKEVVARHDQSLADLTGTVEENSEALVKTAEVVND
ISADVKANTAAIGENKAAIATKADKTELDKVGKVTENETAIGKKANSADVTKAEVYTK
QESDNRFVKISDGIGNLNTTANGLETRLAAAEQSVADHGTRLASAESITEHGTRLNGLD
RTVSDLRKETRQGLAEQAALSGLFQPYNVGRFNVTAAVGGYKSESVAVAIGTGFRFTENFA
AKAGVAVGTSSGSSAAYHVGNYEW

Text S2. Neis1969 (NadA) amino acid sequences available at the time of writing.

Query NEIS1969 (nadA) sequences - Neisseria locus/sequence definitions database

Locus: Page will reload when changed
 • Further information is available for this locus.

Please enter your search criteria below (or leave blank and submit to return all records).

Locus fields: > +

Display: Order by: Display: records per page

Filter query by: status: allele flag:

Action:

96 records returned (1 - 25 displayed). Click the hyperlinks for detailed information.

Page: >

locus	allele id	sequence	sequence length	comments	NadA peptide	checked	NadA variant	flags
NEIS1969 (nadA)	1	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	1089		1		NadA-1	
NEIS1969 (nadA)	2	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	1176		2		NadA-2/3	
NEIS1969 (nadA)	3	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	1197		3		NadA-2/3	
NEIS1969 (nadA)	5	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	1218		6		NadA-2/3	
NEIS1969 (nadA)	6	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	1218		7		NadA-2/3	
NEIS1969 (nadA)	7	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	1218		8		NadA-2/3	
NEIS1969 (nadA)	8	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	1218		9		NadA-2/3	
NEIS1969 (nadA)	9	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	1094				NadA-6	frameshift
NEIS1969 (nadA)	10	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	1197		3		NadA-2/3	
NEIS1969 (nadA)	11	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	1197		4		NadA-2/3	
NEIS1969 (nadA)	12	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	974				NadA-4/5	frameshift phase variable: off
NEIS1969 (nadA)	13	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	1197		5		NadA-2/3	
NEIS1969 (nadA)	16	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	2021	IS1301			NadA-2/3	contains IS element
NEIS1969 (nadA)	19	ATGAAACACTTTCCA ... CCAGCTCGATTTTGA	1317		100		NadA-1	atypical
NEIS1969 (nadA)	20	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	878	FS:ΔA286 and deletion			NadA-2/3	frameshift
NEIS1969 (nadA)	22	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	2023	IS1301			NadA-2/3	contains IS element
NEIS1969 (nadA)	25	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	971		21		NadA-4/5	
NEIS1969 (nadA)	27	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	750		86		NadA-1	
NEIS1969 (nadA)	29	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	2021	IS1301			NadA-2/3	contains IS element
NEIS1969 (nadA)	34	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	976				NadA-4/5	frameshift phase variable: off
NEIS1969 (nadA)	35	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	1089		101		NadA-1	
NEIS1969 (nadA)	37	ATGAAACACTTTCCA ... AATTACGAGTGGTAA	1026				NadA-6	frameshift

Fig. S1. Screenshot from the public database Query page.

Previous nomenclature		New nomenclature	
Variant	Peptide	Variant	Peptide
1	1	1	1
2	1	2/3	2
2	2	2/3	3
2	3	2/3	4
2	4	2/3	5
2	5	2/3	6
3	1	2/3	7
3	2	2/3	8
3	3	2/3	9
5	1*	4/5	6
5	2*	4/5	6
5	3*	4/5	6

Table S1. Comparison between the previous classification (1) and the new nomenclature scheme. The asterisk (*) indicates peptide identifiers assigned to frameshifted sequences.

References

1. **Bambini S, Muzzi A, Olcen P, Rappuoli R, Pizza M, Comanducci M.** 2009. Distribution and genetic variability of three vaccine components in a panel of strains representative of the diversity of serogroup B meningococcus. *Vaccine* **27**:2794-2803.