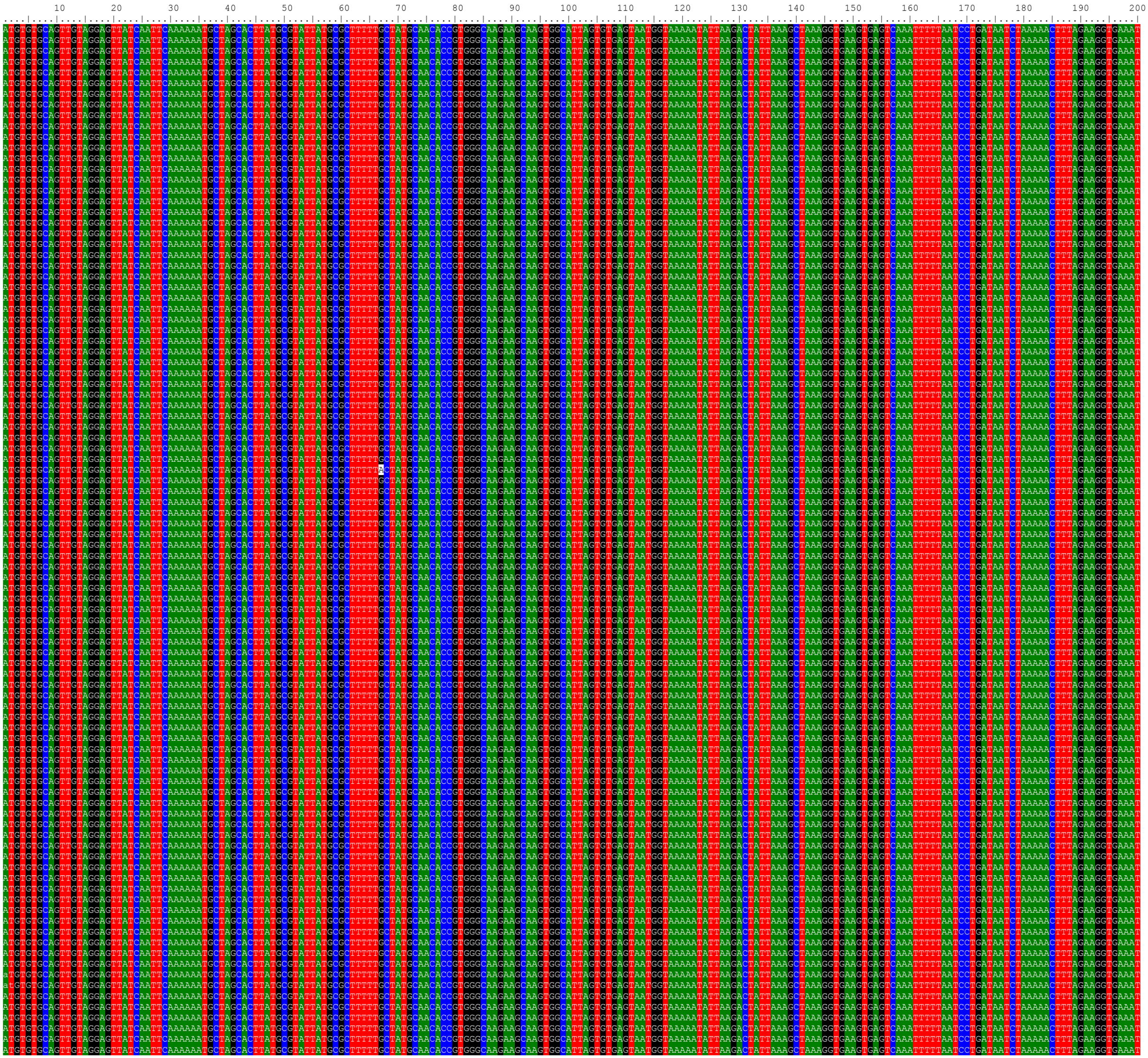
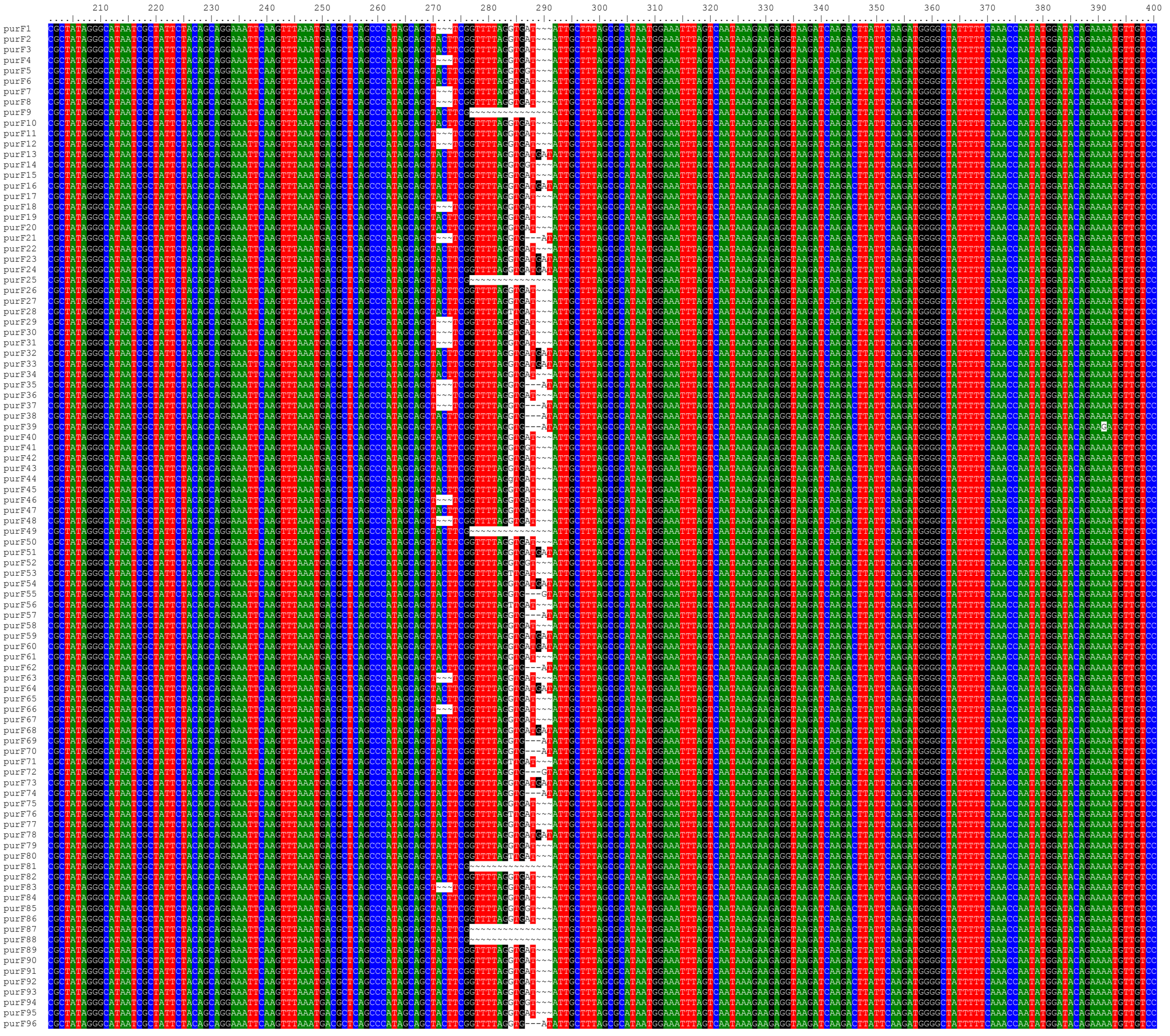
Alignment of *purF* sequences from 96 single colony isolates

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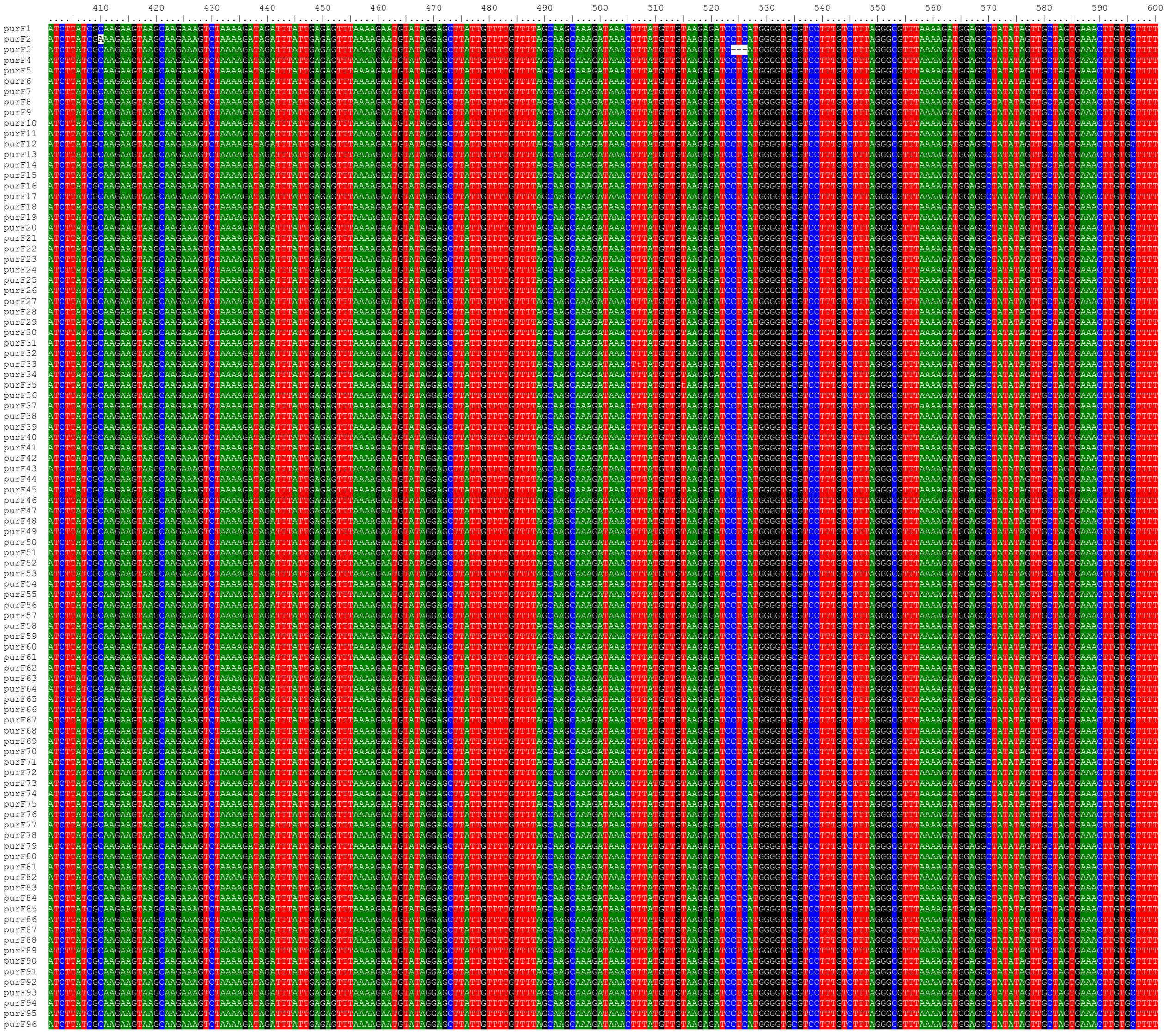
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                 610       620       630       640       650       660       670       680       690       700       710       720       730       740       750       760       770       780       790       800
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purF1   GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF2   GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF3   GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF4   GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF5   GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF6   GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF7   GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF8   GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAAcTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF9   GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF10  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF11  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAAcTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
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purF17  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF18  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
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purF20  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF21  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
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purF23  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF24  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
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purF28  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF29  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF30  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGcGA
purF31  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF32  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAAcTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF33  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF34  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF35  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF36  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF37  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
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purF41  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF42  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
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purF45  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
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purF49  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
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purF57  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF58  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF59  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
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purF62  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
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purF67  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAAcTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF68  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF69  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF70  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF71  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF72  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF73  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF74  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGAGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF75  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF76  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF77  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF78  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF79  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF80  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF81  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF82  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF83  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAaCTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF84  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGcAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF85  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF86  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF87  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF88  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACCAGGGGAAATGCTTATTTTTACTCAGGGAAATGATAAATTTGAAAGCATAGAACTTTTTTCTCAAACTCCTAGAATTTGCGCTTTTGAATACATTTATTTTGCTAGACCTGATAGTATAGTAGAAGGCAAAAGCGTGTATGAAGTGCGTAAAAAAATGGGCGA
purF89  GATCTTATAGAGGCTGAATTTATTCGTGATGTTAAACC
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                 810       820       830       840       850       860       870       880       890       900       910       920       930       940       950       960       970       980       990      1000
                 ....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|
purF1   AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF2   AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF3   AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF4   AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF5   AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF6   AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF7   AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF8   AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF9   AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF10  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF11  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF12  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF13  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF14  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF15  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF16  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF17  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF18  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF19  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF20  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF21  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF22  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF23  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF24  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF25  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF26  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGCAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF27  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF28  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF29  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF30  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF31  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF32  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF33  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF34  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF35  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF36  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF37  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF38  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF39  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF40  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF41  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF42  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF43  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF44  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF45  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAAGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF46  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
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purF48  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF49  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
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purF51  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF52  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF53  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF54  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF55  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF56  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF57  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF58  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF59  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF60  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF61  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF62  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAAGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF63  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF64  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF65  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF66  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF67  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF68  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF69  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF70  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF71  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF72  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF73  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF74  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF75  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGGAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF76  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF77  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF78  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF79  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF80  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF81  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF82  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF83  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF84  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF85  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF86  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTGGAGTAAGTGCAGCTATAGGTTTTGCGCAATATTTACAAATCCCTCTTGAAATGGCAATAGTAAGAAATCATTATGTAGGAAGAACTTTTATAGAGCCAACTCAAGAGCTTAGAAATTTAAAAGTAAAATTAAAACTTAATC
purF87  AGCTTTAGCTAAAAAATTTGCTTATAAAGCAGACTTTGTCGTGCCTGTGCCAGATAGTG
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                1010      1020      1030      1040      1050      1060      1070      1080      1090      1100      1110      1120      1130      1140      1150      1160      1170      1180      1190      1200
        ....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|
purF1   CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF2   CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF3   CTATGCGTAAATTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF4   CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF5   CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF6   CTATGCGTAAAATTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF7   CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF8   CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF9   CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF10  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF11  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF12  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF13  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF14  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF15  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF16  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF17  CTATGCGTAAAATTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF18  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF19  CTATGCGTAAATTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF20  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF21  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF22  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF23  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF24  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF25  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF26  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF27  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF28  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF29  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF30  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF31  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF32  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF33  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF34  CTATGCGTAAATTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF35  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF36  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF37  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF38  CTATGCGTAAATTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF39  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF40  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF41  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF42  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF43  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF44  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF45  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF46  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF47  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF48  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF49  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF50  CTATGCGTAAATTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF51  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF52  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF53  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF54  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF55  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF56  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF57  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF58  CTATGCGTAAATTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF59  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF60  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF61  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF62  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF63  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF64  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF65  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF66  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF67  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF68  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF69  CTATGCGTAAATTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF70  CTATGCGTAAATTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF71  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF72  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF73  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF74  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF75  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF76  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF77  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF78  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF79  CTATGCGTAAATTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF80  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF81  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF82  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF83  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF84  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF85  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF86  CTATGCGTAAATTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF87  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAGTCATTGATGATAGCTTGGTGCGTGGCACTACTTCTAAAAAAATAATTTCTTTGCTTCGTGCTGCAGGAGCGAGCAAAATCCATCTTGCCATAGCTTGTCCTGAGATCAAATTTCCTGATACTTATGGCATAGATACTCCAACTTTTGAAGAACTTATCAGTGCA
purF88  CTATGCGTAAAGTTTTAGAAGGCAAAGAAATCGTAG
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                1210      1220      1230      1240      1250      1260      1270      1280      1290      1300      1310      1320      1330      1340
        ....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|....|.
purF1   AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF2   AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF3   AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF4   AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF5   AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF6   AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF7   AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF8   AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF9   AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF10  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF11  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF12  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF13  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF14  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF15  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF16  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF17  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF18  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF19  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF20  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF21  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF22  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF23  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF24  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF25  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF26  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF27  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF28  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF29  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF30  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF31  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF32  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF33  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF34  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF35  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF36  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF37  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF38  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF39  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF40  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF41  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF42  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF43  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF44  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF45  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF46  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF47  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF48  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF49  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF50  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF51  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF52  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF53  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF54  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF55  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF56  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF57  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF58  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF59  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF60  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF61  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF62  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF63  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF64  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF65  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF66  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF67  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF68  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF69  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
purF70  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
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purF85  AATAAAAATGCTGAAGAAGTGCGTGAATATGTAGAAGCTGATACGCTAAGTTTTTTAAGCATAGAAGAGCTAACTCAAAGCATAGGCGATGAAAGGAAATATTCTTTAATCAGTTTTGATGGAGATTATTTTATTAAATAA
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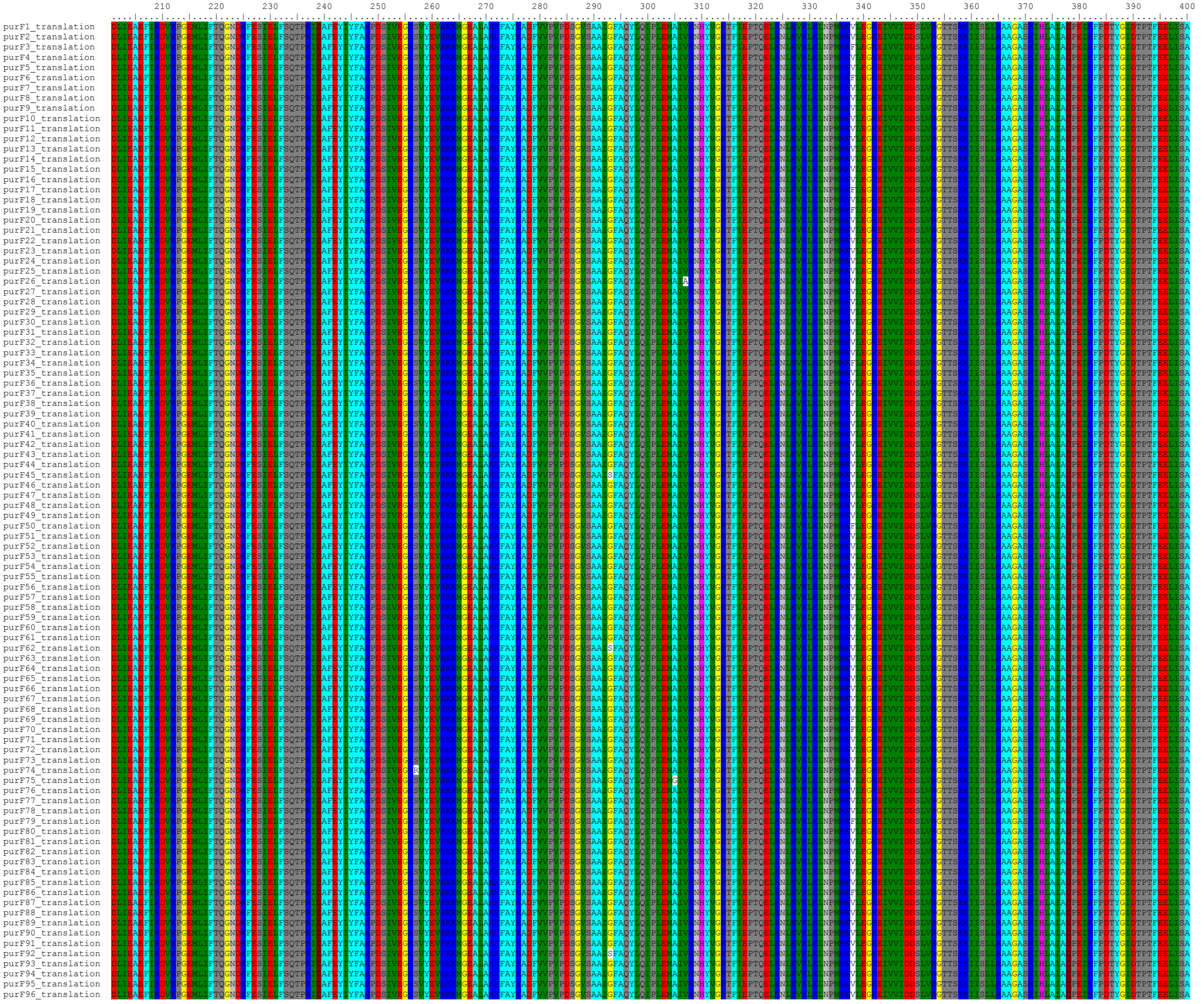
Predicted protein sequence alignment of *purF* from 96 single colony isolates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purF1_translation
purF2_translation
purF3_translation
purF4_translation
purF5_translation
purF6_translation
purF7_translation
purF8_translation
purF9_translation
purF10_translation
purF11_translation
purF12_translation
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purF94_translation
purF95_translation
purF96_translation

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