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NTDB id 1307 DR RS10055 WP 010888596.1        ................................................................................    0
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NTDB id 1176 A1552VC RS01160 WP 000350195.1   ................................................................................    0
NTDB id 1283 ACE17W RS02630 WP 010947729.1    ................................................................................    0
NTDB id 1259 GCO85 RS10305 WP 010947729.1     ................................................................................    0
NTDB id 1202 PSJM300 01600 AFN76400.1         ................................................................................    0
NTDB id 1194 PA0395 NP 249086.1               ................................................................................    0
NTDB id 1020 ACIAD RS04210 WP 011182164.1     ................................................................................    0
NTDB id 1081 FDQ49 RS05335 WP 006581387.1     ................................................................................    0
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NTDB id 1040 HON27 RS13360 WP 000355489.1     ................................................................................    0
consensus
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NTDB id 1307 DR RS10055 WP 010888596.1        ................................................................................    0
NTDB id 1086 NMV RS00245 WP 002218487.1       ................................................................................    0
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NTDB id 1185 GTF74 RS11940 WP 000350195.1     ................................................................................    0
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NTDB id 1194 PA0395 NP 249086.1               ................................................................................    0
NTDB id 1020 ACIAD RS04210 WP 011182164.1     ................................................................................    0
NTDB id 1081 FDQ49 RS05335 WP 006581387.1     ................................................................................    0
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NTDB id 1040 HON27 RS13360 WP 000355489.1     ................................................................................    0
consensus
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NTDB id 1177 A1552VC RS01165 WP 000422572.1   ..............................MELNQYLDGMLTHKASDLYITV...GAPILYRVDGELRAQGEA.LSVA   44
NTDB id 1203 PSJM300 01605 AFN76401.1         ..............................MEFEKLLRLMVEKGGSDLFITA...GVPPSMKVNGKILPVNKTPMSPE   45
NTDB id 36208 APECO78 RS19250 WP 001324408.1  ..............................MNMEEIVALSVKHNVSDLHLCS...AWPARWRIRGRMEA...APFDAP   42
NTDB id 1448 BW25113 RS15320 WP 001326494.1   ..............................MNMEEIVALSVKHNVSDLHLCS...AWPARWRIRGRMEA...APFDTP   42
NTDB id 1307 DR RS10055 WP 010888596.1        ...........................MTSGIDITDILRLAADKGASDIILAA...GLPPQFKLSGDYDAQGFEPLSAS   49
NTDB id 1086 NMV RS00245 WP 002218487.1       ..............................MQITDLLAFGAKNKASDLHLSS...GISPMIRVHGDMRRINLPEMSAE   45
NTDB id 1116 NGFG RS10615 WP 003690200.1      ..............................MQITDLLAFGAKNKASDLHLSS...GISPMIRVHGDMRRINLPEMSAE   45
NTDB id 1185 GTF74 RS11940 WP 000350195.1     ..............................MDIAELLEFSVKHNASDLHLSA...GVPPMVRIDGEVRKLGVPAFTHS   45
NTDB id 1176 A1552VC RS01160 WP 000350195.1   ..............................MDIAELLEFSVKHNASDLHLSA...GVPPMVRIDGEVRKLGVPAFTHS   45
NTDB id 1283 ACE17W RS02630 WP 010947729.1    ..............................MDIAELLAFSVKNKSSDLHISA...GMPPMIRVDGDLRKINLPPLEHK   45
NTDB id 1259 GCO85 RS10305 WP 010947729.1     ..............................MDIAELLAFSVKNKSSDLHISA...GMPPMIRVDGDLRKINLPPLEHK   45
NTDB id 1202 PSJM300 01600 AFN76400.1         ..............................MDITELLAFSAKQGASDLHLSS...GLPPMIRVDGDVRRINLPAMDHK   45
NTDB id 1194 PA0395 NP 249086.1               ..............................MDITELLAFSAKQGASDLHLSA...GLPPMIRVDGDVRRINLPPLEHK   45
NTDB id 1020 ACIAD RS04210 WP 011182164.1     ..............................MDITELLAFSVQNRASDLHLSA...GIPPMIRVDGEVRRINLPAMDHS   45
NTDB id 1081 FDQ49 RS05335 WP 006581387.1     ..............................MDITELLAFSVKNGASDLHLSA...GMPPMIRVDGEVRRINLPALEHK   45
NTDB id 1060 ABD1 RS04380 WP 000355489.1      ..............................MDITELLAFSVKNGASDLHLSA...GMPPMIRVDGEVRRINLPALEHK   45
NTDB id 1040 HON27 RS13360 WP 000355489.1     ..............................MDITELLAFSVKNGASDLHLSA...GMPPMIRVDGEVRRINLPALEHK   45
consensus                                                                    *** ********* *!!***** *********!********* ***
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NTDB id 1203 PSJM300 01605 AFN76401.1         MTRETVHGVMNEQQR..REFTENHECNFAISARGIGRFRVSAFYQRNLAGMVLRRIETNIP..TIEDLKLPD....VLKK  117
NTDB id 36208 APECO78 RS19250 WP 001324408.1  DVEELLREWLDDDQR..AILLENGQLDFAVSLAENQRLRGSAFAQRQGISLALRLLPSHCP..QLEQLGAPP....VLPE  114
NTDB id 1448 BW25113 RS15320 WP 001326494.1   DVEELLREWLDDDQR..AILLENGQLDFAVSLAENQRLRGSAFAQRHGISLALRLLPSHCP..QLEQLGAPT....VLPE  114
NTDB id 1307 DR RS10055 WP 010888596.1        DTRKLMYSMMNERQQ..RIFEEKRELDFSFALGDKARFRVNAFMQRGNVGGVMRLIPTTVR..TIAEMGLPQ....TVID  121
NTDB id 1086 NMV RS00245 WP 002218487.1       EVGNMVTSVMNDHQR..KIYQQNLEVDFSFELPNVARFRVNAFNIGRGPAAVFRTIPSTVL..SLEELKAPS....IFQK  117
NTDB id 1116 NGFG RS10615 WP 003690200.1      EVGNMVTSVMNDHQR..KIYQQNLEVDFSFELPNVARFRVNAFNTGRGPAAVFRTIPSTVL..SLEELKAPS....IFQK  117
NTDB id 1185 GTF74 RS11940 WP 000350195.1     DVHRLIFEIMNDAQR..SEYEEKLEVDFSFELPNVGRFRVNAFHQARGCSAVFRTIPTVIP..TLEQLDAPE....IFSK  117
NTDB id 1176 A1552VC RS01160 WP 000350195.1   DVHRLIFEIMNDAQR..SEYEEKLEVDFSFELPNVGRFRVNAFHQARGCSAVFRTIPTVIP..TLEQLDAPE....IFSK  117
NTDB id 1283 ACE17W RS02630 WP 010947729.1    DVIKIIYDIMNDRQR..KEYEEFFETDFSFEIANLARFRVNAFNQSRGAAAVFRTIPSEIL..SMEDLGLPP....IFKE  117
NTDB id 1259 GCO85 RS10305 WP 010947729.1     DVIKIIYDIMNDRQR..KEYEEFFETDFSFEIANLARFRVNAFNQSRGAAAVFRTIPSEIL..SMEDLGLPP....IFKE  117
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NTDB id 1194 PA0395 NP 249086.1               QVHALIYDIMNDKQR..KDFEEFLETDFSFEVPGVARFRVNAFNQNRGAGAVFRTIPSKVL..TMEELGMGE....VFKR  117
NTDB id 1020 ACIAD RS04210 WP 011182164.1     EVHNLIYDIMNDKQR..RDYEEKLETDFSFEVPNLARFRVNVFNQNRGAGAVFRTIPSQVL..TLEELGLGK....IFRD  117
NTDB id 1081 FDQ49 RS05335 WP 006581387.1     DVHRLVYDIMNDKQR..RDYEEKLETDFSFEVPNVARFRVNAFNQNRGAGAVFRTIPSKVL..TMEDLGLGQ....IFKD  117
NTDB id 1060 ABD1 RS04380 WP 000355489.1      DVHRLVYDIMNDKQR..RDYEEKLETDFSFEVPNVARFRVNAFNQNRGAGAVFRTIPSKVL..TMEDLGLGQ....IFKD  117
NTDB id 1040 HON27 RS13360 WP 000355489.1     DVHRLVYDIMNDKQR..RDYEEKLETDFSFEVPNVARFRVNAFNQNRGAGAVFRTIPSKVL..TMEDLGLGQ....IFKD  117
consensus                                     **  ******** **  ***** ** **********!******* **  ****!**** **  ********     **
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NTDB id 1177 A1552VC RS01165 WP 000422572.1    LAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRTGHILTVEDPIEFVHEHKRCIVTQREVGLDTESYEVALKNSLRQAP  195
NTDB id 1203 PSJM300 01605 AFN76401.1          LALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHIISIEDPIEFIHQHQNCIVTQREVGIDTDSFEVALKNTLRQAP  197
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NTDB id 1086 NMV RS00245 WP 002218487.1        IAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHILTIEDPIEFVHQSKKSLINQRELHQHTLSFANALRSALREDP  197
NTDB id 1116 NGFG RS10615 WP 003690200.1       IAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHILTIEDPIEFVHQSKKSLINQRELHQHTLSFANALSSALREDP  197
NTDB id 1185 GTF74 RS11940 WP 000350195.1      IANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHILTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDP  197
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NTDB id 1259 GCO85 RS10305 WP 010947729.1      MASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDP  197
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NTDB id 1194 PA0395 NP 249086.1                VSDVPRGLVLVTGPTGSGKSTTLAAMLDYLNNTKYHHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDP  197
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NTDB id 1060 ABD1 RS04380 WP 000355489.1       ICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDP  197
NTDB id 1040 HON27 RS13360 WP 000355489.1      ICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDP  197
consensus                                      *    **!**!**!*!!*!!********* **!  *  *!***!!!*!*** ****************** *!***!!**!
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NTDB id 1203 PSJM300 01605 AFN76401.1          DVILIGEVRTRETMDHAVAFAETGHLCLATLHANNANQALDRIINFFPADRQNQVWMDLSLNLKAIVAQQLVP.......  270
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NTDB id 1448 BW25113 RS15320 WP 001326494.1    DVILLGELRDSETIRLALTAAETGHLVLATLHTRGAAQAVERLVDSFPAQEKDPVRNQLAGSLRAVLSQKLEV.......  267
NTDB id 1307 DR RS10055 WP 010888596.1         DVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNSAPESIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLP.......  274
NTDB id 1086 NMV RS00245 WP 002218487.1        DVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAAKTVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLK.......  270
NTDB id 1116 NGFG RS10615 WP 003690200.1       DVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAAKTVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLK.......  270
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NTDB id 1176 A1552VC RS01160 WP 000350195.1    DVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAKTIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLK.......  270
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NTDB id 1194 PA0395 NP 249086.1                DIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIK.......  270
NTDB id 1020 ACIAD RS04210 WP 011182164.1      DIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTIDRIIDVFPAEEKDMVRTMLSESLQAVISQTLLK.......  270
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      DIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLK.......  270
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NTDB id 1040 HON27 RS13360 WP 000355489.1      DIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLK.......  270
consensus                                      !*!**!!*!* !!***!***!*!!!!**!!!***!*****!********** ****** ****! !**
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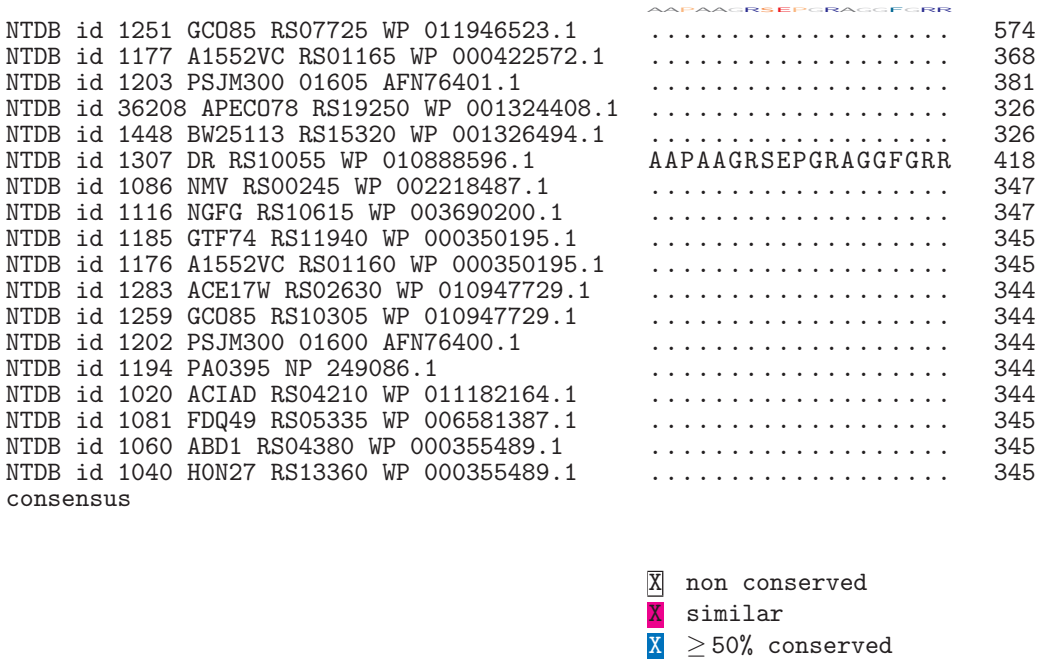


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NTDB id 36208 APECO78 RS19250 WP 001324408.1   ..................................D.KQEGCVALFELLINTPAVGNLIREGKTHQLPHVIQTGQQVGMI   311
NTDB id 1448 BW25113 RS15320 WP 001326494.1    ..................................D.KQEGRVALFELLINTPAVGNLIREGKTHQLPHVIQTGQQVGMI   311
NTDB id 1307 DR RS10055 WP 010888596.1         ..................................RADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAREGMV   319
NTDB id 1086 NMV RS00245 WP 002218487.1        ..................................THDGNGRVASHEILIANPAVRNLIRENKTTQINSVLQTGQASGMQ   315
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NTDB id 1176 A1552VC RS01160 WP 000350195.1    ..................................R.VGGGRVACHEIMLATPAIRNLIRDDKVAQMYSIIQTGAAHGMQ   314
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NTDB id 1202 PSJM300 01600 AFN76400.1          ..................................K.VGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSIQTGGSLGMQ   314
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NTDB id 1020 ACIAD RS04210 WP 011182164.1      ..................................K.EGGGRVAAHEIMIGIPAIRNLIREGKVAQMYSSIQTGATHGMT   314
NTDB id 1081 FDQ49 RS05335 WP 006581387.1      ..................................K.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGMT   314
NTDB id 1060 ABD1 RS04380 WP 000355489.1       ..................................K.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGMT   314
NTDB id 1040 HON27 RS13360 WP 000355489.1      ..................................K.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGMT   314
consensus                                      ..................................*  **!*** *!**********!!** ******* ****   !!*
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NTDB id 1086 NMV RS00245 WP 002218487.1        TMDQSLQSLVRQGLIAPEVARRRAQNSESMSF................................................   347
NTDB id 1116 NGFG RS10615 WP 003690200.1       TMDQSLQSLVRQGLIAPEAARRRAQNSESMSF................................................   347
NTDB id 1185 GTF74 RS11940 WP 000350195.1      TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.................................................   345
NTDB id 1176 A1552VC RS01160 WP 000350195.1    TMEQNAKQLIARGVVDAQEVQSKIELDLKAF.................................................   345
NTDB id 1283 ACE17W RS02630 WP 010947729.1     TLDQHLTELVNKNIISKHTAHEAALNK.SLF.................................................   344
NTDB id 1259 GCO85 RS10305 WP 010947729.1      TLDQHLTELVNKNIISKHTAHEAALNK.SLF.................................................   344
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1      TLDQSLKGLVSRGVISPQTARTAAKQP.ESFL................................................   345
NTDB id 1060 ABD1 RS04380 WP 000355489.1       TLDQSLKGLVARGVISPQTARTAAKQP.ESFL................................................   345
NTDB id 1040 HON27 RS13360 WP 000355489.1      TLDQSLKGLVARGVISPQTARTAAKQP.ESFL................................................   345
consensus                                      !***  *   **  *****    *    *       *
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NTDB id 1251 GCO85 RS07725 WP 011946523.1 574
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NTDB id 36208 APECO78 RS19250 WP 001324408.1 326
NTDB id 1448 BW25113 RS15320 WP 001326494.1 326
NTDB id 1307 DR RS10055 WP 010888596.1 AAPAAGRSEPGRAGGFGRR 418
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NTDB id 1116 NGFG RS10615 WP 003690200.1 347
NTDB id 1185 GTF74 RS11940 WP 000350195.1 345
NTDB id 1176 A1552VC RS01160 WP 000350195.1 345
NTDB id 1283 ACE17W RS02630 WP 010947729.1 344
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NTDB id 1040 HON27 RS13360 WP 000355489.1 345
consensus
X non conserved
X similar
X ≥ 50% conserved