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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1366 NTHI RS01950 WP 011271972.1      MTSYALLHTQRVTAQNGEIFTISPDLWERNQQQQSLLLRYFALPLKEENNRLWLGVDSLSNLSACETIAFITGKPVEPIL    80
NTDB id 1177 A1552VC RS01165 WP 000422572.1   ..........................................................................................    0
NTDB id 1203 PSJM300 01605 AFN76401.1         ..........................................................................................    0
NTDB id 1019 ACIAD RS04205 WP 004922051.1     ..........................................................................................    0
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NTDB id 1040 HON27 RS13360 WP 000355489.1     ..........................................................................................    0
NTDB id 1081 FDQ49 RS05335 WP 006581387.1     ..........................................................................................    0
consensus
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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NTDB id 1019 ACIAD RS04205 WP 004922051.1     ..........................................MDFNDLLNLMAKHKASDLFITA...GVEPSLKINGEI    34
NTDB id 1153459 LQ108 RS18980 WP 029883139.1  ..........................................MDVEEIVALSVKHNVSDLHLCS...DSPPRWRRVGRL    34
NTDB id 1307 DR RS10055 WP 010888596.1        ...................................MTSGIDITDILRLAADKGASDIILAA...GLPPQFKLSGDY    38
NTDB id 1086 NMV RS00245 WP 002218487.1       ..........................................MQITDLLAFGAKNKASDLHLSS...GISPMIRVHGDM    34
NTDB id 1116 NGFG RS10615 WP 003690200.1      ..........................................MQITDLLAFGAKNKASDLHLSS...GISPMIRVHGDM    34
NTDB id 1185 GTF74 RS11940 WP 000350195.1     ..........................................MDIAELLEFSVKHNASDLHLSA...GVPPMVRIDGEV    34
NTDB id 1176 A1552VC RS01160 WP 000350195.1   ..........................................MDIAELLEFSVKHNASDLHLSA...GVPPMVRIDGEV    34
NTDB id 1283 ACE17W RS02630 WP 010947729.1    ..........................................MDIAELLAFSVKNKSSDLHISA...GMPPMIRVDGDL    34
NTDB id 1259 GC085 RS10305 WP 010947729.1     ..........................................MDIAELLAFSVKNKSSDLHISA...GMPPMIRVDGDL    34
NTDB id 1202 PSJM300 01600 AFN76400.1         ..........................................MDITELLAFSAKQGASDLHLSS...GLPPMIRVDGDV    34
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1     ..........................................MDITELLAFSVKNGASDLHLSA...GMPPMIRVDGEV    34
consensus                                                                                *** ********* *!!*****   *********!**
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logo
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NTDB id 1203 PSJM300 01605 AFN76401.1           LPVNKTPMSPEMTRETVHGVM.....NEQQRREFTENHECNFAISARG.IGRFRVSAFYQRNLAGMVLRRIETNI..PTI   106
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NTDB id 1086 NMV RS00245 WP 002218487.1         RRINLPEMSAEEVGNMVTSVM.....NDHQRKIYQQNLEVDFSFELPN.VARFRVNAFNIGRGPAAVFRTIPSTV..LSL   106
NTDB id 1116 NGFG RS10615 WP 003690200.1        RRINLPEMSAEEVGNMVTSVM.....NDHQRKIYQQNLEVDFSFELPN.VARFRVNAFNTGRGPAAVFRTIPSTV..LSL   106
NTDB id 1185 GTF74 RS11940 WP 000350195.1       RKLGVPAFTHSDVHRLIFEIM.....NDAQRSEYEEKLEVDFSFELPN.VGRFRVNAFHQARGCSAVFRTIPTVI..PTL   106
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NTDB id 1283 ACE17W RS02630 WP 010947729.1      RKINLPPLEHKDVIKIIYDIM.....NDRQRKEYEEFFETDFSFEIAN.LARFRVNAFNQSRGAAAVFRTIPSEI..LSM   106
NTDB id 1259 GC085 RS10305 WP 010947729.1       RKINLPPLEHKDVIKIIYDIM.....NDRQRKEYEEFFETDFSFEIAN.LARFRVNAFNQSRGAAAVFRTIPSEI..LSM   106
NTDB id 1202 PSJM300 01600 AFN76400.1           RRINLPAMDHKQVHALIYDIM.....NDKQRKDFEEFLETDFSFEVPG.VARFRVNAFNQNRGAGAVFRTIPSKV..LTM   106
NTDB id 1194 PAKAF RS01995 WP 003084552.1       RRINLPPLEHKQVHALIYDIM.....NDKQRKDFEEFLETDFSFEVPG.VARFRVNAFNQNRGAGAVFRTIPSKV..LTM   106
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1       RRINLPALEHKDVHRLVYDIM.....NDKQRRDYEEKLETDFSFEVPN.VARFRVNAFNQNRGAGAVFRTIPSKV..LTM   106
consensus                                       ****** * * **  ******     ********** ** *!****** ****!****** ** ****!**** *  ***

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NTDB id 1366 NTHI RS01950 WP 011271972.1        AELGMTENQQQAFQRSLSQPQGLILVTGPTGSGKSISLYTALQWLNTP.DKHIMTAEDPIEIELDG...IIQSQINPQIG   312
NTDB id 1177 A1552VC RS01165 WP 000422572.1     EELKLP....EVLQNLAIAKRGLVLVVGATGSGKSTTMAAMTGYRNQHRTGHILTVEDPIEFVHEHKRCIVTQREVGLDT   180
NTDB id 1203 PSJM300 01605 AFN76401.1           EDLKLP....DVLKKLALTKRGLVLFVGATGTGKSTSLAAMIGYRNKNSSGHIISIEDPIEFIHQHQNCIVTQREVGIDT   182
NTDB id 1019 ACIAD RS04205 WP 004922051.1       DDLHLP....PILKELAMSKRGIIIFSGATGTGKSTSLASMIQHRNQHSKGHIITIEDPIEFIHEHAGCIITQREVGIDT   183
NTDB id 1153459 LQ108 RS18980 WP 029883139.1   SALGVP....RAIPELLSHDSGLILVTGATGSGKSTTLAAMVDFLNHQTDGHILTLEDPVEFVYQSERCLIQQREIGLHS   179
NTDB id 1307 DR RS10055 WP 010888596.1          AEMGLP....QTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKKLHILTIEDPIEFMHPNKASIINQREVGSDT   186
NTDB id 1086 NMV RS00245 WP 002218487.1         EELKAP....SIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHILTIEDPIEFVHQSKKSLINQRELHQHT   182
NTDB id 1116 NGFG RS10615 WP 003690200.1        EELKAP....SIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHILTIEDPIEFVHQSKKSLINQRELHQHT   182
NTDB id 1185 GTF74 RS11940 WP 000350195.1       EQLDAP....EIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHILTIEDPIEFVHSNNKCLINQREVHRDT   182
NTDB id 1176 A1552VC RS01160 WP 000350195.1     EQLDAP....EIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHILTIEDPIEFVHSNNKCLINQREVHRDT   182
NTDB id 1283 ACE17W RS02630 WP 010947729.1      EDLGLP....PIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHILTVEDPIEFVHQSKKCLVNQREVHKDT   182
NTDB id 1259 GC085 RS10305 WP 010947729.1       EDLGLP....PIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDYINSSRYEHILTVEDPIEFVHQSKKCLVNQREVHKDT   182
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consensus                                       ******     *** **  **!*****!*!!*!!!*********!  *  !!***!!!*!*** **************
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logo
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NTDB id 1185 GTF74 RS11940 WP 000350195.1       HSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAKTIDRIIDVFPGSDKDMVRSMLSESLRA   262
NTDB id 1176 A1552VC RS01160 WP 000350195.1     HSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAKTIDRIIDVFPGSDKDMVRSMLSESLRA   262
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NTDB id 1202 PSJM300 01600 AFN76400.1           LGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTIDRVVDVFPAEEKSMVRSMLSESLQA   262
NTDB id 1194 PAKAF RS01995 WP 003084552.1       LGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTIDRVVDVFPAEEKAMVRSMLSESLQS   262
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1       HGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAKTIDRVIDVFPAEEKDMVRAMLSESLQA   262
consensus                                        **  *!***!!**!!*!**!!*!* !****!***!*!!!!***!!!!***!*****!**************  *****! *

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NTDB id 1040 HON27 RS13360 WP 000355489.1       VISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENK.........VAQMYSAIQTGANHGMTTLDQSLKGLVARGVISP   331
NTDB id 1081 FDQ49 RS05335 WP 006581387.1       VISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENK.........VAQMYSAIQTGANHGMTTLDQSLKGLVSRGVISP   331
consensus                                       ***! !***  ***********************!** *          ****** *****  ******* *  ** *****
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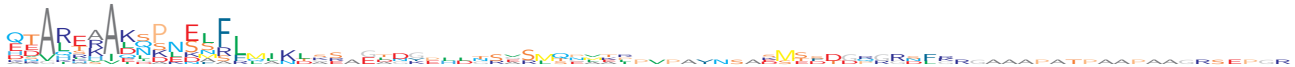
logo
                                                  
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NTDB id 1019 ACIAD RS04205 WP 004922051.1         ADALKHADSPNNLRLQIKLSE.EANKPLDNRERMSEMER........KMTFDGQRRNLK.........   383
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NTDB id 1116 NGFG RS10615 WP 003690200.1          EAARRRAQNSESMSF....................................................   347
NTDB id 1185 GTF74 RS11940 WP 000350195.1         QEVQSKIELDLKAF.....................................................   345
NTDB id 1176 A1552VC RS01160 WP 000350195.1       QEVQSKIELDLKAF.....................................................   345
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NTDB id 1081 FDQ49 RS05335 WP 006581387.1         QTARTAAKQP.ESFL....................................................   345
consensus                                           *   *       *
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logo
                                                  
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NTDB id 1019 ACIAD RS04205 WP 004922051.1         .......   383
NTDB id 1153459 LQ108 RS18980 WP 029883139.1     .......   326
NTDB id 1307 DR RS10055 WP 010888596.1            AGGFGRR   418
NTDB id 1086 NMV RS00245 WP 002218487.1           .......   347
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 1202 PSJM300 01600 AFN76400.1             .......   344
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NTDB id 1060 ABD1 RS04380 WP 000355489.1          .......   345
NTDB id 1040 HON27 RS13360 WP 000355489.1         .......   345
NTDB id 1081 FDQ49 RS05335 WP 006581387.1         .......   345
consensus
```

X non conserved

X similar

X $\geq$ 50% conserved