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logo

NTDB id 25018 SUDEN RS06555 WP 238374792.1   MYRSVIMTQETNQQIDIKELLKSVLHFESSDLHLVAGSKPQIRIDKALKPLNLHVLSAKEIEDMAYALIEDKQKKIFEDK   80
NTDB id 1307 DR RS10055 WP 010888596.1       ..........MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEK   70
NTDB id 1116 NGFG RS10615 WP 003690200.1     ..............MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINLPEMSAEEVGNMVTSVMNDHQRKIYQQN   66
NTDB id 1086 NMV RS00245 WP 002218487.1      ..............MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINLPEMSAEEVGNMVTSVMNDHQRKIYQQN   66
NTDB id 1185 GTF74 RS11940 WP 000350195.1    ..............MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEK   66
NTDB id 1176 A1552VC RS01160 WP 000350195.1 ..............MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEK   66
NTDB id 1283 ACE17W RS02630 WP 010947729.1  ..............MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEF   66
NTDB id 1259 GC085 RS10305 WP 010947729.1   ..............MDIAELLAFSVKNKSSDLHISAGMPPMIRVDGDLRKINLPPLEHKDVIKIIYDIMNDRQRKEYEEF   66
NTDB id 1202 PSJM300 01600 AFN76400.1       ..............MDITELLAFSAKQGASDLHLSSGLPPMIRVDGDVRRINLPAMDHKQVHALIYDIMNDKQRKDFEEF   66
NTDB id 1194 PAKAF RS01995 WP 003084552.1   ..............MDITELLAFSAKQGASDLHLSAGLPPMIRVDGDVRRINLPPLEHKQVHALIYDIMNDKQRKDFEEF   66
NTDB id 1020 ACIAD RS04210 WP 011182164.1   ..............MDITELLAFSVQNRASDLHLSAGIPPMIRVDGEVRRINLPAMDHSEVHNLIYDIMNDKQRRDYEEK   66
NTDB id 1081 FDQ49 RS05335 WP 006581387.1   ..............MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEK   66
NTDB id 1060 ABD1 RS04380 WP 000355489.1    ..............MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEK   66
NTDB id 1040 HON27 RS13360 WP 000355489.1   ..............MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEK   66
consensus                                   **!***!****** *!!*****!**!*************** ******************!*******

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NTDB id 25018 SUDEN RS06555 WP 238374792.1   NELDFSFELENIGRFRANYYRTIRGIACAFRTIPVDVPPLEKFNNNPIFKELIKRERGLILVTGPTGSGKSTTLASMLHE   160
NTDB id 1307 DR RS10055 WP 010888596.1       RELDFSFALGDKARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDH   150
NTDB id 1116 NGFG RS10615 WP 003690200.1     LEVDFSFELPNVARFRVNAFNTGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINY   146
NTDB id 1086 NMV RS00245 WP 002218487.1      LEVDFSFELPNVARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINY   146
NTDB id 1185 GTF74 RS11940 WP 000350195.1    LEVDFSFELPNVGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNY   146
NTDB id 1176 A1552VC RS01160 WP 000350195.1 LEVDFSFELPNVGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNY   146
NTDB id 1283 ACE17W RS02630 WP 010947729.1  FETDFSFEIANLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDY   146
NTDB id 1259 GC085 RS10305 WP 010947729.1   FETDFSFEIANLARFRVNAFNQSRGAAAVFRTIPSEILSMEDLGLPPIFKEMASFSRGLVLVTGPTGSGKSTTLAAVIDY   146
NTDB id 1202 PSJM300 01600 AFN76400.1       LETDFSFEVPGVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGMGEVFRKITDVPRGLVLVTGPTGSGKSTTLAAMLDY   146
NTDB id 1194 PAKAF RS01995 WP 003084552.1   LETDFSFEVPGVARFRVNAFNQNRGAGAVFRTIPSKVLTMEELGMGEVFKRVSDVPRGLVLVTGPTGSGKSTTLAAMLDY   146
NTDB id 1020 ACIAD RS04210 WP 011182164.1   LETDFSFEVPNLARFRVNVFNQNRGAGAVFRTIPSQVLTLEELGLGKIFRDICDYPRGLVLVTGPTGSGKSTTLAAMLDY   146
NTDB id 1081 FDQ49 RS05335 WP 006581387.1   LETDFSFEVPNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDY   146
NTDB id 1060 ABD1 RS04380 WP 000355489.1    LETDFSFEVPNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDY   146
NTDB id 1040 HON27 RS13360 WP 000355489.1   LETDFSFEVPNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDY   146
consensus                                   *!*!!!!******!!!*!**** *******!*!!* *********  ***** ****!**!!!!!!!!!!!!!!!!****

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NTDB id 25018 SUDEN RS06555 WP 238374792.1   INLTENKHILTIEDPVEFVHTNINSIFSQREIGSNTSSFATALKFALRQDPDVILVGEMRDKETISAALTAAETGHIVFG   240
NTDB id 1307 DR RS10055 WP 010888596.1       INTTKKLHILTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMG   230
NTDB id 1116 NGFG RS10615 WP 003690200.1     INETQPAHILTIEDPIEFVHQSKKSLINQRELHQHTLSFANALSSALREDPDVILVGEMRDPETIGLALTAAETGHLVFG   226
NTDB id 1086 NMV RS00245 WP 002218487.1      INETQPAHILTIEDPIEFVHQSKKSLINQRELHQHTLSFANALRSALREDPDVILVGEMRDPETIGLALTAAETGHLVFG   226
NTDB id 1185 GTF74 RS11940 WP 000350195.1    VNAHHNKHILTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFG   226
NTDB id 1176 A1552VC RS01160 WP 000350195.1 VNAHHNKHILTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFG   226
NTDB id 1283 ACE17W RS02630 WP 010947729.1  INSSRYEHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFG   226
NTDB id 1259 GC085 RS10305 WP 010947729.1   INSSRYEHILTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFG   226
NTDB id 1202 PSJM300 01600 AFN76400.1       LNNTKYHHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFG   226
NTDB id 1194 PAKAF RS01995 WP 003084552.1   LNNTKYHHILTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFG   226
NTDB id 1020 ACIAD RS04210 WP 011182164.1   INNHRYDHILTVEDPIEFVHEPKKCLINQREVHRDTLGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFG   226
NTDB id 1081 FDQ49 RS05335 WP 006581387.1   INENRYDHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFG   226
NTDB id 1060 ABD1 RS04380 WP 000355489.1    INENRYDHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFG   226
NTDB id 1040 HON27 RS13360 WP 000355489.1   INENRYDHILTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFG   226
consensus                                   *! *** !!*!*!!!*!!*! *******!!!****!**!  !!**!!!**!!*!!!!!*!!*!!!**!*!!!!!!!*!*!
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NTDB id 25018 SUDEN RS06555 WP 238374792.1   TLHTNSAPSTINRIIDVFDAKEQAQVRAQLASSLISVISQSLIPR.VSGGIIATQEILIANTAIQNLIREDKVHQIYSQM   319
NTDB id 1307 DR RS10055 WP 010888596.1       TLHTNSAPESIDRIVDVFPEEQQFQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVM   310
NTDB id 1116 NGFG RS10615 WP 003690200.1     TLHTTGAAKTVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVL   306
NTDB id 1086 NMV RS00245 WP 002218487.1      TLHTTGAAKTVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVL   306
NTDB id 1185 GTF74 RS11940 WP 000350195.1    TLHTSSAAKTIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSII   305
NTDB id 1176 A1552VC RS01160 WP 000350195.1  TLHTSSAAKTIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSII   305
NTDB id 1283 ACE17W RS02630 WP 010947729.1   TLHTNSATKTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSI   305
NTDB id 1259 GC085 RS10305 WP 010947729.1    TLHTNSATKTINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSI   305
NTDB id 1202 PSJM300 01600 AFN76400.1        TLHTTSAAKTIDRVVDVFPAEEKSMVRSMLSESLQAVISQTLLKK.VGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSSI   305
NTDB id 1194 PAKAF RS01995 WP 003084552.1    TLHTTSAAKTIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIKK.IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAI   305
NTDB id 1020 ACIAD RS04210 WP 011182164.1    TLHTTSAAKTIDRIIDVFPAEEKDMVRTMLSESLQAVISQTLLKK.EGGGRVAAHEIMIGIPAIRNLIREGKVAQMYSSI   305
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    TLHTTSAAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAI   305
NTDB id 1060 ABD1 RS04380 WP 000355489.1     TLHTTSAAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAI   305
NTDB id 1040 HON27 RS13360 WP 000355489.1    TLHTTSAAKTIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAI   305
consensus                                    !!!!**!*****!**!!!********!**!***!**!**!*!***  **!*****!!*** *!***!!!! !**!**! *

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NTDB id 25018 SUDEN RS06555 WP 238374792.1   QLNQNETHMTTQTDQLTTLLRKGIISKESAIKASNRPEELIRIIHNL.................................   366
NTDB id 1307 DR RS10055 WP 010888596.1       QTGARE.GMVTMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPAAPPVPAYNSASSSSTGRGGDF   389
NTDB id 1116 NGFG RS10615 WP 003690200.1     QTGQAS.GMQTMDQSLQSLVRQGLIAPEAARRRAQNSESMSF.......................................   347
NTDB id 1086 NMV RS00245 WP 002218487.1      QTGQAS.GMQTMDQSLQSLVRQGLIAPEVARRRAQNSESMSF.......................................   347
NTDB id 1185 GTF74 RS11940 WP 000350195.1    QTGAAH.GMQTMEQNAKQLIARGVVDAQEVQSKIELDLKAF........................................   345
NTDB id 1176 A1552VC RS01160 WP 000350195.1  QTGAAH.GMQTMEQNAKQLIARGVVDAQEVQSKIELDLKAF........................................   345
NTDB id 1283 ACE17W RS02630 WP 010947729.1   QTGQAK.GMQTLDQHLTELVNKNIISKHTAHEAALNK.SLF.........................................   344
NTDB id 1259 GC085 RS10305 WP 010947729.1    QTGQAK.GMQTLDQHLTELVNKNIISKHTAHEAALNK.SLF.........................................   344
NTDB id 1202 PSJM300 01600 AFN76400.1        QTGGSL.GMQTLDSCLKGLLAKGLISRDSAKEKAKQP.ENF........................................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1    QTGGSL.GMQTLDMCLKGLVAKGLISRENAREKAKIP.ENF........................................   344
NTDB id 1020 ACIAD RS04210 WP 011182164.1    QTGATH.GMTTLDQSLKQLLAKGIINLPTARAVAKSP.ESF........................................   344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    QTGANH.GMTTLDQSLKGLVSRGVISPQTARTAAKQP.ESFL.......................................   345
NTDB id 1060 ABD1 RS04380 WP 000355489.1     QTGANH.GMTTLDQSLKGLVARGVISPQTARTAAKQP.ESFL.......................................   345
NTDB id 1040 HON27 RS13360 WP 000355489.1    QTGANH.GMTTLDQSLKGLVARGVISPQTARTAAKQP.ESFL.......................................   345
consensus                                    !***   *!*!*** ** !* *****  ***  * ** * *

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NTDB id 25018 SUDEN RS06555 WP 238374792.1   ..............................   366
NTDB id 1307 DR RS10055 WP 010888596.1       GRGAAAPATPAAPAAGRSEPGRAGGFGRR   418
NTDB id 1116 NGFG RS10615 WP 003690200.1     ..............................   347
NTDB id 1086 NMV RS00245 WP 002218487.1      ..............................   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
NTDB id 1259 GC085 RS10305 WP 010947729.1    ..............................   344
NTDB id 1202 PSJM300 01600 AFN76400.1        ..............................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1    ..............................   344
NTDB id 1020 ACIAD RS04210 WP 011182164.1    ..............................   344
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    ..............................   345
NTDB id 1060 ABD1 RS04380 WP 000355489.1     ..............................   345
NTDB id 1040 HON27 RS13360 WP 000355489.1    ..............................   345
consensus
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X non conserved
X similar
X $\geq$ 50% conserved