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logo
NTDB id 33737 DEIDE RS11245 WP 012694082.1   MTHASVDITDILRFAAEKGASDVILTVGLPPQFKLHGVYDSQGFEVLPPTETRKLMYSMMNEKQQRIFEEKRELDFSFAL   80
NTDB id 1307 DR RS10055 WP 010888596.1       .MTSGIDITDILRLAADKGASDIILAAGLPPQFKLSGDYDAQGFEPLSASDTRKLMYSMMNERQQRIFEEKRELDFSFAL   79
NTDB id 1086 NMV RS00245 WP 002218487.1      .....MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINLPEMSAEEVGNMVTSVMNDHQRKIYQQNLEVDFSFEL   75
NTDB id 1116 NGFG RS10615 WP 003690200.1     .....MQITDLLAFGAKNKASDLHLSSGISPMIRVHGDMRRINLPEMSAEEVGNMVTSVMNDHQRKIYQQNLEVDFSFEL   75
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NTDB id 1176 A1552VC RS01160 WP 000350195.1 .....MDIAELLEFSVKHNASDLHLSAGVPPMVRIDGEVRKLGVPAFTHSDVHRLIFEIMNDAQRSEYEEKLEVDFSFEL   75
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NTDB id 1020 ACIAD RS04210 WP 011182164.1    .....MDITELLAFSVQNRASDLHLSAGIPPMIRVDGEVRRINLPAMDHSEVHNLIYDIMNDKQRRDYEEKLETDFSFEV   75
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    .....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEV   75
NTDB id 1060 ABD1 RS04380 WP 000355489.1     .....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEV   75
NTDB id 1040 HON27 RS13360 WP 000355489.1    .....MDITELLAFSVKNGASDLHLSAGMPPMIRVDGEVRRINLPALEHKDVHRLVYDIMNDKQRRDYEEKLETDFSFEV   75
consensus                                     **!***!******  *!!*****!**!*****!********  ***  *********!!**!********!*!!!!**

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NTDB id 33737 DEIDE RS11245 WP 012694082.1   GEKARFRVNAFMQRGNVGGVMRLIPTKIKSAQEMGLPQQVIDIANSPRGLVLVTGPTGSGKSTTLAAMIDYINATKKMHI   160
NTDB id 1307 DR RS10055 WP 010888596.1       GDKARFRVNAFMQRGNVGGVMRLIPTTVRTIAEMGLPQTVIDIANAPRGLVLVTGPTGSGKSTTLASMIDHINTTKKLHI   159
NTDB id 1086 NMV RS00245 WP 002218487.1      PNVARFRVNAFNIGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI   155
NTDB id 1116 NGFG RS10615 WP 003690200.1     PNVARFRVNAFNTGRGPAAVFRTIPSTVLSLEELKAPSIFQKIAESPRGMVLVTGPTGSGKSTTLAAMINYINETQPAHI   155
NTDB id 1185 GTF74 RS11940 WP 000350195.1    PNVGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHI   155
NTDB id 1176 A1552VC RS01160 WP 000350195.1 PNVGRFRVNAFHQARGCSAVFRTIPTVIPTLEQLDAPEIFSKIANYEKGLVLVTGPTGSGKSTTLAAMVNYVNAHHNKHI   155
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NTDB id 1020 ACIAD RS04210 WP 011182164.1    PNLARFRVNVFNQNRGAGAVFRTIPSQVLTLEELGLGKIFRDICDYPRGLVLVTGPTGSGKSTTLAAMLDYINNHRYDHI   155
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    PNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHI   155
NTDB id 1060 ABD1 RS04380 WP 000355489.1     PNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHI   155
NTDB id 1040 HON27 RS13360 WP 000355489.1    PNVARFRVNAFNQNRGAGAVFRTIPSKVLTMEDLGLGQIFKDICDYPRGIVLVTGPTGSGKSTTLAAMLDYINENRYDHI   155
consensus                                    ****!!!!!*!**  *****!*!*!!*  **********  *********!*!!!!!!!!!!!!!!!!!*****!  ***  !!

logo
NTDB id 33737 DEIDE RS11245 WP 012694082.1   MTIEDPIEFMHTHKQSIINQREVGSDTMDFEAALRAVLRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNSAPE   240
NTDB id 1307 DR RS10055 WP 010888596.1       LTIEDPIEFMHPNKASIINQREVGSDTLSFDDALRAALRQAPDVILVGEMRDYETIKAAVTAAETGHLVMGTLHTNSAPE   239
NTDB id 1086 NMV RS00245 WP 002218487.1      LTIEDPIEFVHQSKKSLINQRELHQHTLSFANALRSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAAK   235
NTDB id 1116 NGFG RS10615 WP 003690200.1     LTIEDPIEFVHQSKKSLINQRELHQHTLSFANALSSALREDPDVILVGEMRDPETIGLALTAAETGHLVFGTLHTTGAAK   235
NTDB id 1185 GTF74 RS11940 WP 000350195.1    LTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAK   235
NTDB id 1176 A1552VC RS01160 WP 000350195.1 LTIEDPIEFVHSNNKCLINQREVHRDTHSFKNALRSALREDPDVILVGELRDQETISLALTAAETGHLVFGTLHTSSAAK   235
NTDB id 1283 ACE17W RS02630 WP 010947729.1  LTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSATK   235
NTDB id 1259 GC085 RS10305 WP 010947729.1    LTVEDPIEFVHQSKKCLVNQREVHKDTLSFNAALRSALREDPDIILVGELRDLETIRLAMTAAETGHLVFGTLHTNSATK   235
NTDB id 1202 PSJM300 01600 AFN76400.1        LTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK   235
NTDB id 1194 PAKAF RS01995 WP 003084552.1    LTIEDPIEFVHESKKCLVNQREVHRDTLGFSEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK   235
NTDB id 1020 ACIAD RS04210 WP 011182164.1    LTVEDPIEFVHEPKKCLINQREVHRDTLGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK   235
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK   235
NTDB id 1060 ABD1 RS04380 WP 000355489.1     LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK   235
NTDB id 1040 HON27 RS13360 WP 000355489.1    LTVEDPIEFVHQSKKCLINQREVHRDTHGFNEALRSALREDPDIILVGEMRDLETIRLALTAAETGHLVFGTLHTTSAAK   235
consensus                                    *!*!!!!!!*!  ******!!!!*****!*  !   !!***!!**!!*!!!!!*!!*!!!!*!*!!!!!!!!!!*!!!!!**!**
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logo

NTDB id 33737 DEIDE RS11245 WP 012694082.1   SIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRLDGAGRILAYELLIANPAVRALIREGKTYQITSVMQTGAREGMV   320
NTDB id 1307 DR RS10055 WP 010888596.1       SIDRIVDVFPEEQQEQIRVQLANNLVAVMTQQLLPRADGQGRVLAYEILLANPAVRALIREGKTFQITSVMQTGAREGMV   319
NTDB id 1086 NMV RS00245 WP 002218487.1      TVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGMQ   315
NTDB id 1116 NGFG RS10615 WP 003690200.1     TVDRIVDVFPAGEKEMVRSMLSESLTAVISQNLLKTHDGNGRVASHEILIANPAVRNLIRENKITQINSVLQTGQASGMQ   315
NTDB id 1185 GTF74 RS11940 WP 000350195.1    TIDRIIDVFPGSDKDMVRSMLSESLRAVIAQKLLKR.VGGGRVACHEIMLATPAIRNLIREDKVAQMYSIIQTGAAHGMQ   314
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NTDB id 1283 ACE17W RS02630 WP 010947729.1   TINRIIDVFPAEEKSMVRSMLSESLQAVVAQSLLKK.NKGGRVAALEIMMCTGAIRNLIREDKIAQMYSSIQTGQAKGMQ   314
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NTDB id 1194 PAKAF RS01995 WP 003084552.1    TIDRVVDVFPAEEKAMVRSMLSESLQSVISQTLIKK.IGGGRVAAHEIMIGTPAIRNLIREDKVAQMYSAIQTGGSLGMQ   314
NTDB id 1020 ACIAD RS04210 WP 011182164.1    TIDRIIDVFPAEEKDMVRTMLSESLQAVISQTLLKK.EGGGRVAAHEIMIGIPAIRNLIREGKVAQMYSSIQTGATHGMT   314
NTDB id 1081 FDQ49 RS05335 WP 006581387.1    TIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGMT   314
NTDB id 1060 ABD1 RS04380 WP 000355489.1     TIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGMT   314
NTDB id 1040 HON27 RS13360 WP 000355489.1    TIDRVIDVFPAEEKDMVRAMLSESLQAVISQTLLKK.NGGGRVAAHEIMIGIPAIRNLIRENKVAQMYSAIQTGANHGMT   314
consensus                                    ***!**!!!!*******!**!***!**!**!*!***   **!!****!**** *!*!*!!!! !**!**! *!!!*  !!*

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NTDB id 33737 DEIDE RS11245 WP 012694082.1   TMDAFLANLYRRRMISFDVGSERAVDAKEFARMANDPNAGTGAAASLGVPGGTGPGAFAPAAPA..ATSGAAAGRGAETG   398
NTDB id 1307 DR RS10055 WP 010888596.1       TMDAYLAGLFRRHLITYDKGLERAIDPKEFARLANDASAGLGGASMTPA.........APPVPAYNSASSSSTGRGGDFG   390
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 GC085 RS10305 WP 010947729.1    TLDQHLTELVNKNIISKHTAHEAALNK.SLF................................................   344
NTDB id 1202 PSJM300 01600 AFN76400.1        TLDSCLKGLLAKGLISRDSAKEKAKQP.ENF................................................   344
NTDB id 1194 PAKAF RS01995 WP 003084552.1    TLDMCLKGLVAKGLISRENAREKAKIP.ENF................................................   344
NTDB id 1020 ACIAD RS04210 WP 011182164.1    TLDQSLKQLLAKGIINLPTARAVAKSP.ESF................................................   344
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 33737 DEIDE RS11245 WP 012694082.1   RGSA.PATP.........AGSSNPFGRR   416
NTDB id 1307 DR RS10055 WP 010888596.1       RGAAAPATPAAPAAGRSEPGRAGGFGRR   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
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NTDB id 1202 PSJM300 01600 AFN76400.1        ..............................   344
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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