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NTDB id 1028 TT RS08215 WP 011173991.1      MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVKALLPA    85
NTDB id 144700 VL20 RS05075 WP 052275795.1  ..........................................................................................    0
NTDB id 1410 SGL RS13950 WP 010873519.1     ..........................................................................................    0
consensus
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1028 TT RS08215 WP 011173991.1      EKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSGEGQKDLKLGE   170
NTDB id 144700 VL20 RS05075 WP 052275795.1  ..........................................................................................    0
NTDB id 1410 SGL RS13950 WP 010873519.1     ..........................................................................................    0
consensus
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1028 TT RS08215 WP 011173991.1      LLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLLLRSDALRYGAVPIGF   255
NTDB id 144700 VL20 RS05075 WP 052275795.1  ..........................................................................................    0
NTDB id 1410 SGL RS13950 WP 010873519.1     ..........................................................................................    0
consensus
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1028 TT RS08215 WP 011173991.1      QNGEVEVVLSDPRHKEAVAQLLNRPARFYLALPQAWEELFRRAYPQKNRLGEVLVQEGKLSREALKEALEVQKGLPRAKPLGEIL   340
NTDB id 144700 VL20 RS05075 WP 052275795.1  ................................MTFSSKKTRAVA............................LRNYFSPFGNKL    24
NTDB id 1410 SGL RS13950 WP 010873519.1     ................................MTSSSSSKKSRAVA............................LRNYFSPFGNKL    26
consensus                                                                   *  *******!!**                            ******!*!**!
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1028 TT RS08215 WP 011173991.1      VELGLARPEDVEEALQKQRRGGGRLEDTLVQ..SGKLRPEALAQA.......VATQLGYPYVDPEEDPPDP.....GAPLLLPED   411
NTDB id 144700 VL20 RS05075 WP 052275795.1  VQSGYIGADQMQQALVETRKSGRSLVEILQQLTGRPLPPDLQRQYKKNQLFELKILYGVESIDPELSDVDGLEIARLIDSLIPID   109
NTDB id 1410 SGL RS13950 WP 010873519.1     VAGGHVDAEQLRQALVQVKKTGRSLPEELKAVTGRELSPELLRQYKKNQLFELKVLYGVDSVDPEVAPIATQQMAELIGRFFPLD   111
consensus                                   !  ! * **** *!!*  ***!**! * ! ***** ! !****!**********!****!!!* ***   ** **  **!*!
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1028 TT RS08215 WP 011173991.1      LCRRYGVFPHRLEG...NRLVLLMKDPRNILALDDVRLALKRKGLNYEVAPAVATEAAITKLIERFYGKAELSEIAKEFAK....   489
NTDB id 144700 VL20 RS05075 WP 052275795.1  LCRRYRLIPLRKIEGEPAAILIAMVDPDNLEASDDINRILRPRELGLQ..RLVITSEDYERLLEKFHSAQSELEQEKARLQKEKE   192
NTDB id 1410 SGL RS13950 WP 010873519.1     TCRRFKFLPLAQQEGDPPSVLVAMVDPDNLAAQDELNRILRVKGFELR..RLVVTQDDFNQLLEQYYAIREEWEAAQEKRDQERA   194
consensus                                   *!!!****!**  ****  ****!*!!*!* ! !*****!* *** *   **!*! *** *!*!****  ** ! ****   **
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logo
NTDB id 1028 TT RS08215 WP 011173991.1      ...................KQAEEEVPSPLE...LDESAAQKFVKQVIREAFLQDASDIHIEPRQNDVQVRLRIDGALR.PYSTLP   552
NTDB id 144700 VL20 RS05075 WP 052275795.1  LEKLSDLTGIVSNIEVASGAANDEVADDLGEGEANQAPVINLVNKIIAKALQEGTSDIHIEPQEEFLKIRFRKDGVLHQAFDPLP   277
NTDB id 1410 SGL RS13950 WP 010873519.1     LDKLNDLTDIVGSIDMNLGEDKEDVDNALDSNDANQAPVINLVNKILAKALQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPLP   279
consensus                                   **** *** **  ***  * * **!   !*  *********!******!*****!!!!*!!*** ***!*!*!!*! *****!!

logo
NTDB id 1028 TT RS08215 WP 011173991.1      KGALNAVISVVKIMGGLNIAEKRLPQDGRVRYREGAIDVDLRLSTLPTIVYGEKAVMRLLKKASDIPEIEDLGFAPGVFERFKEVI   637
NTDB id 144700 VL20 RS05075 WP 052275795.1  KRITPAVTARLKIMAELDIAERRLPQDGKIRRMYQGRKVDFRVNTLPSRYGEKVCLRILDNSATQLGLDKLITDQKTLQIVRDMA   362
NTDB id 1410 SGL RS13950 WP 010873519.1     RKITPAVVARFKIMADMDIAERRSPQDGKIRRIYQGRKVDFRVNTLPSRYGEKVCLRILDNSATQLGLDFLITNPETLQTVRELA   364
consensus                                   *****!!****!!!****!!!*!*!!!!**!*******!!*!**!!!**!!!!***!*!********** !** * *** *****

logo
NTDB id 1028 TT RS08215 WP 011173991.1      SKPYGIFLITGPTGSGKSFTTFSILKRIATPDKNTQTIEDPVEYEIPGINQTQVNPQAGLTFARALRAFLRQDPDIIMVGEIRDS   722
NTDB id 144700 VL20 RS05075 WP 052275795.1  SRPFGLLLVTGPTGSGKSTTLYSVLAERNHPGVNISTAEDPIEYSLPGITQVQVIREKGMDFASILRAFMRQDPDVILVGETRDK   447
NTDB id 1410 SGL RS13950 WP 010873519.1     ARPYGLMLVTGPTGSGKSTTLYSVLAERNSPEVNINTAEDPIEYALPGITQVQVIREKGMDFSNILRAFMRQDPDVILVGETRDK   449
consensus                                   **!*!**!*!!!!!!!!!!*!**!*!****!**!**!*!!!*!! *!!!*!*!!****!**!* *!!!!*!!!!!*!*!!!*!!*

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NTDB id 1028 TT RS08215 WP 011173991.1      ETAKIATEAALTGHLVIATLHTNDAAQAITRLDEMGVEPFNISAALIGVLSQRLVRRVCEHCKVEVKPDPETLRRLGLSEAEIQG   807
NTDB id 144700 VL20 RS05075 WP 052275795.1  ETAKTAIEAALTGHLVLTTLHTNDAAGAIARLDEMGVEPFMISGSLLGVLAQRLVRRVCSQCRVAYHPSQEELARFGLSAANERE   532
NTDB id 1410 SGL RS13950 WP 010873519.1     ETAKTAIEAALTGHLVLTTLHTNDAAGAIARLDEMGVEPFMVSGSLLGVLAQRLMRKVCTECRIAYHPSKEELSRFGLSASGDEV   534
consensus                                   !!!!*!*!!!!!!!!!!**!!!!!!!!*!!*!!!!!!!!!!**!**!*!!!*!!!*!*!!* !*****!* !*! !*!!!** *

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NTDB id 1028 TT RS08215 WP 011173991.1      ARLY...............KGMGCERCGGTGYKGRYAIHELLVVDDEIRHAIVAGKSATEIKEIARRKGMKTLREDGLYKALQGI   877
NTDB id 144700 VL20 RS05075 WP 052275795.1  VTFYKANTLTLEEIQQARKQGNLCLKCSGSGYKGRIGVYEVMQNSERLQQLINQGATTDRIKETAVDEGMVTLLAYSLNLVREGY   617
NTDB id 1410 SGL RS13950 WP 010873519.1     VTFYKANSLSPDEIHLARQKGNLCQKCSGSGYKGRVGVYEVMRNSERIAELINQGATTDRIKDCAVEEGMITLLAYSLNLVQEGY   619
consensus                                   ***!****** ***  ** *!**! *!*!*!!!!!****!** *****  *!**!*****!!* !**!!*!!****!*** *!*

logo
NTDB id 1028 TT RS08215 WP 011173991.1      TTLEEVLARTIE.......................................   889
NTDB id 144700 VL20 RS05075 WP 052275795.1  TTLEEVERVTFTDSGLEAELKAKRKSGLICRGCRAELQPEWLDCPYCMTPRFSD   671
NTDB id 1410 SGL RS13950 WP 010873519.1     TTLEEVERVTFTDTGLESEMRAKRKSALTCRTCAAELQQEWLDCPYCMTSRFS.   672
consensus                                   !!!!!!***!******* ********* ** * **** ********** ***
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X non conserved

X similar

X ≥50% conserved