```
logo
                                                MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK
NTDB id 1384 A4U84 RS08525 WP 010787006.1       ..............................................................................   0
NTDB id 1028 TT RS08215 WP 011173991.1          MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVK  80
NTDB id 212761 BVH55 RS12925 WP 070082113.1    ..............................................................................   0
NTDB id 96 BSU 24730 NP 390353.1                ..............................................................................   0
consensus

logo
                                                ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG
NTDB id 1384 A4U84 RS08525 WP 010787006.1       ..............................................................................   0
NTDB id 1028 TT RS08215 WP 011173991.1          ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSG 160
NTDB id 212761 BVH55 RS12925 WP 070082113.1    ..............................................................................   0
NTDB id 96 BSU 24730 NP 390353.1                ..............................................................................   0
consensus

logo
                                                EGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL
NTDB id 1384 A4U84 RS08525 WP 010787006.1       ..............................................................................   0
NTDB id 1028 TT RS08215 WP 011173991.1          EGQKDLKLGELLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLL 240
NTDB id 212761 BVH55 RS12925 WP 070082113.1    ..............................................................................   0
NTDB id 96 BSU 24730 NP 390353.1                ..............................................................................   0
consensus

logo
                                                LRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYLALPQAWEELFRRAYPQKNRLGEVLVQEGKLSREAL
NTDB id 1384 A4U84 RS08525 WP 010787006.1       ..............................................................................   0
NTDB id 1028 TT RS08215 WP 011173991.1          LRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYLALPQAWEELFRRAYPQKNRLGEVLVQEGKLSREAL 320
NTDB id 212761 BVH55 RS12925 WP 070082113.1    ..............................................................................   0
NTDB id 96 BSU 24730 NP 390353.1                ..............................................................................   0
consensus

logo
                                                                                                                  QSQYTYVEQQTER
                                                KEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLVQSGKLRPEALAQAVATMLGYPYCDPEEDPI
NTDB id 1384 A4U84 RS08525 WP 010787006.1       ...............................................................MSQYTICEQQTERI  14
NTDB id 1028 TT RS08215 WP 011173991.1          KEALEVQKGLPRAKPLGEILVELGLARPEDVEEALQKQRRGGGRLEDTLVQSGKLRPEALAQAVATQLGYPYVDPEEDP. 399
NTDB id 212761 BVH55 RS12925 WP 070082113.1    ..............................................................................   0
NTDB id 96 BSU 24730 NP 390353.1                ..............................................................................   0
consensus                                                                                                          *   *   *

logo
                                                DSRWQPNLLPKQLLRRYLVYPVRLTGNRLWLLVKDPRNLTALEIVRLMTR     YQYEPVVITSDELTYLL
                                                FDISPDPGAKLCEEEDLCLRYGAFTHQEEEHKLVLAMDDENNTLACDDFAFALKHKGLNKEIAPAVAAEAATKKLTNALS
NTDB id 1384 A4U84 RS08525 WP 010787006.1       FDISPSRWQKNCEEKQLLLRYLAVPVQETEHKLWLAVDDENNLTACEIFAFM.TH....KQIEPVVIASDELKYLLNALS  89
NTDB id 1028 TT RS08215 WP 011173991.1          ....PDPGAPLLLPEDLCRRYGVFPHRLEGNRLVLLMKDPRNILALDDVRLALKRKGLNYEVAPAVATEAAITKLI....  471
NTDB id 212761 BVH55 RS12925 WP 070082113.1    ..............................................................................   0
NTDB id 96 BSU 24730 NP 390353.1                ..............................................................................   0
consensus                                           *           *  **   *      ** * * *  ** * *              * * *     *  **
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logo
NTDB id 1384 A4U84 RS08525 WP 010787006.1      PEQQPIYEESELAFVEQE..........QEQLNL.NDPIIQLLDNLFKFCLAQNASDIHIEPRKQKLIIRLRIDGVLHLY   158
NTDB id 1028 TT RS08215 WP 011173991.1         ...ERFYGKAELSEIAKEFAKKQAEEEVPSPLELDESAAQKFVKQVIREAFLQDASDIHIEPRQNDVQVRLRIDGALRPY   548
NTDB id 212761 BVH55 RS12925 WP 070082113.1    ..................................MKNIETYSRNIINEAYTARASDIHIVPREKDAFIHFRIGHALVKK    45
NTDB id 96 BSU 24730 NP 390353.1               ..................................MDSIEKVSKNLIEEAYLTKASDIHIVPRERDAIIHFRVDHALLKK    45
consensus                                          *   **  *  *            * * ** *** ***********!!!!!! !!* ***** !****!**

logo
NTDB id 1384 A4U84 RS08525 WP 010787006.1      KSLSIQLASRLISRIKLLAKLDISELRQPQDGQFSFTTALADTLDFRVSSLPTIYGEKLVLRLQKNKPTSFDFLQLGFNP   238
NTDB id 1028 TT RS08215 WP 011173991.1         STLPKGALNAVISVVKIMGGLNIAEKRLPQDGRVRYREG.AIDVDLRLSTLPTVYGEKAVMRLLKKASDIPEIEDLGFAP   627
NTDB id 212761 BVH55 RS12925 WP 070082113.1    RVLKKEECVRLISHFKFLSAMDIGERRKPQNGSLSLPLP.TETVHLRMSTLPTMNDESLVIRLLPK.RQIPPLDKLSLFR   123
NTDB id 96 BSU 24730 NP 390353.1               RDMKKEECVRLISHFKFLSAMDIGERRKPQNGSLTLKLK.EGNVHLRMSTLPTINEESLVIRVMPQ.YNIPSIDKLSLFP   123
consensus                                      **********!!**!******!*!*!*!! !******* ******!*!*!!!* *! *!*!****  *******!  **

logo
NTDB id 1384 A4U84 RS08525 WP 010787006.1      QQQTTLLNALKQPQGLILVTGPTGSGKSITLYSALNYLN.QMDKHILTAEDPVEIEIDGLIQTQVNRSIQLDFSQLLRTF   317
NTDB id 1028 TT RS08215 WP 011173991.1         GVFERFKEVISKPYGIFLITGPTGSGKSFTTFSILKRIA.TPDKNTQTIEDPVEYEIPGINQTQVNPQAGLTFARALRAF   706
NTDB id 212761 BVH55 RS12925 WP 070082113.1    GAGAALLSFLKHSHGLLLFTGPTGSGKTTTLYSLVNYAKRHFNRRIVTLEDPVETRDEDVLQVQVNEKAGVTYSAGLKAI   203
NTDB id 96 BSU 24730 NP 390353.1               KTGATLLSFLKHSHGMLIFTGPTGSGKTTTLYSLVQYAKKHFNRNIVTLEDPVETRDEDVLQVQVNEKAGVTYSAGLKAI   203
consensus                                      * ************!****!!!!!!!!**!**!********* ****!*!!!!!*  * **! !!!***********!**

logo
NTDB id 1384 A4U84 RS08525 WP 010787006.1      LRQDPDIIMLGEIRDEESAKMALRASQTGHLVLSTLHTNDALSAVERLLQLGIQEYEIQNSLLLVIAQRLVRKLCKKCRG   397
NTDB id 1028 TT RS08215 WP 011173991.1         LRQDPDIIMVGEIRDSETAKIATEAALTGHLVIATLHTNDAAQAITRLDEMGVEPFNISAALICVLSQRLVRRVCEHCKV   786
NTDB id 212761 BVH55 RS12925 WP 070082113.1    LRHDPDMIILGEIRDAETAEIAVRAAMTGHLVLSSLHTRDAKGAIYRLLEFGVNMTEIEQTVIAIAAQRLVDLTCPFCKE   283
NTDB id 96 BSU 24730 NP 390353.1               LRHDPDMIILGEIRDAETAEIAVRAAMTGHLVLTSLHTRDAKGAIYRLLEFGINMNEIEQTVIAIAAQRLVDLACPFCEN   283
consensus                                      !!*!!!*!**!!!!!*!*! *!**!**!!!!!***!!! !!**!**!!***!*****!*********!!!! **!**!*

logo
NTDB id 1384 A4U84 RS08525 WP 010787006.1      VGCDECYQGYR..GRIGVYQCLSR...............TAKKFDKQTAYLDFSSLRESAKQKIEQQ..LTNETEVDRVL   458
NTDB id 1028 TT RS08215 WP 011173991.1         EVKPDPET....LRRLGLSEAEIQGARLYKGMGCERCGGT..GYKGRYAIHELLVVDDEIRHAIVAGKSATEIKEIARRK   860
NTDB id 212761 BVH55 RS12925 WP 070082113.1    ENCSVYCRMYRQTRRAGIYE.......LLYGKNLTQCFREAKGEHANFQYQ...TLRRLIRKGIALGYVTTDNYD.....   348
NTDB id 96 BSU 24730 NP 390353.1               GCSSVYCRQSRNTRRASVYE.......LLYGKNLQQCIQEAKGNHANYQYQ...TLRQIIRKGIALGYLTTNNYD.....   348
consensus                                      * ****** *****!*****        ******* **    ******** ***  *********!******!***** *

logo
NTDB id 1384 A4U84 RS08525 WP 010787006.1      GYE.........................   461
NTDB id 1028 TT RS08215 WP 011173991.1         GMKTLREDGLYKALQGITTLEEVLARTIE   889
NTDB id 212761 BVH55 RS12925 WP 070082113.1    .......RWVYHEAD.............   356
NTDB id 96 BSU 24730 NP 390353.1               .......RWVYHEKD.............   356
consensus                                      *       ****** *
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X non conserved
X similar
X $\geq$ 50% conserved