```
logo
                                          MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVKALLPA
NTDB id 1028 TT RS08215 WP 011173991.1    MSVLTIGDKRLGAALLDAGLLTDEELQRALERHREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPKVKALLPA   85
NTDB id 1384 A4U84 RS08525 WP 010787006.1 ......................................................................................   0
NTDB id 50619 MY9 RS12450 WP 041521378.1  ......................................................................................   0
NTDB id 96 BSU 24730 NP 390353.1          ......................................................................................   0
consensus


logo
                                          EKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSGEGQKDLKLGE
NTDB id 1028 TT RS08215 WP 011173991.1    EKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPPPSGEGQKDLKLGE  170
NTDB id 1384 A4U84 RS08525 WP 010787006.1 ......................................................................................   0
NTDB id 50619 MY9 RS12450 WP 041521378.1  ......................................................................................   0
NTDB id 96 BSU 24730 NP 390353.1          ......................................................................................   0
consensus


logo
                                          LLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLLLRSDALRYGAVPIGF
NTDB id 1028 TT RS08215 WP 011173991.1    LLLQKGWISREALEEALVEQEKTGDLLGRILVRKGLPEEALYRALAEQKGLEFLESTEGIVPDPSAALLLLRSDALRYGAVPIGF  255
NTDB id 1384 A4U84 RS08525 WP 010787006.1 ......................................................................................   0
NTDB id 50619 MY9 RS12450 WP 041521378.1  ......................................................................................   0
NTDB id 96 BSU 24730 NP 390353.1          ......................................................................................   0
consensus


logo
                                          QNGEVEVVLSDPRHKEAVAQLLNRPARFYLALPQAWEELFRRAYPQKNRLGEVLVQEGKLSREALKEALEVQKGLPRAKPLGEIL
NTDB id 1028 TT RS08215 WP 011173991.1    QNGEVEVVLSDPRHKEAVAQLLNRPARFYLALPQAWEELFRRAYPQKNRLGEVLVQEGKLSREALKEALEVQKGLPRAKPLGEIL  340
NTDB id 1384 A4U84 RS08525 WP 010787006.1 ......................................................................................   0
NTDB id 50619 MY9 RS12450 WP 041521378.1  ......................................................................................   0
NTDB id 96 BSU 24730 NP 390353.1          ......................................................................................   0
consensus


logo
                                                                                  QSQYTYVEQQTER      DSRWQPNLLPKQLLRDVLVVD
                                          VELGLARPEDVEEALQKQRRGGGRLEDTLVQSGKLRPEALAQAVATMLGTPTCDPEEDPIFDISPDPGAKLCEEEDLCLRTGAFT
NTDB id 1028 TT RS08215 WP 011173991.1    VELGLARPEDVEEALQKQRRGGGRLEDTLVQSGKLRPEALAQAVATQLGYPYVDPEEDP.....PDPGAPLLLPEDLCRRYGVFP  420
NTDB id 1384 A4U84 RS08525 WP 010787006.1 ...............................................MSQYTICEQQTERIFDISPSRWQKNCEEKQLLLRYLAVP   39
NTDB id 50619 MY9 RS12450 WP 041521378.1  ......................................................................................   0
NTDB id 96 BSU 24730 NP 390353.1          ......................................................................................   0
consensus                                                                                  *   *   *      *           *  **   *


logo
                                          VRLTGNRLWLLVKDPRNLTALEIVRLMTR     YQVEPVVITSDELTYLL      QRIYGKSELSEYEQ          VQS
                                          HQEEEHKLVLAMDDENNTLACDDFAFALKHKGLNKEIATAVAAEAATKKLTNALSPEQEPFIEEAELAEIAKEFAKKQAEEEEPE
NTDB id 1028 TT RS08215 WP 011173991.1    HRLEGNRLVLLMKDPRNILALDDVRLALKRKGLNYEVAPAVATEAAITKLI.......ERFYGKAELSEIAKEFAKKQAEEEVPS  498
NTDB id 1384 A4U84 RS08525 WP 010787006.1 VQETEHKLWLAVDDENNLTACEIFAFM.TH....KQIEPVVIASDELKYLLNALSPEQQPIYEESELAFVEQ..........EQE  109
NTDB id 50619 MY9 RS12450 WP 041521378.1  ......................................................................................   0
NTDB id 96 BSU 24730 NP 390353.1          ......................................................................................   0
consensus                                       ** * * *  ** * *              * * *     *  **          *   **  *
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logo
NTDB id 1028 TT RS08215 WP 011173991.1      PLELDESAAQKFVKQVIREAFLQDASDIHIEPRQNDVQVRLRIDGALRPYSTLPKGALNAVISVVKIMGGLNIAEKRLPQDGRVR   583
NTDB id 1384 A4U84 RS08525 WP 010787006.1   QLNLN.DPIIQLLDNLFKFCLAQNASDIHIEPRKQKLIIRLRIDGVLHLYKSLSIQLASRLISRIKLLAKLDISELRQPQDGQFS   193
NTDB id 50619 MY9 RS12450 WP 041521378.1    ....M.DSIEKISKNLIEEAYLTKASDIHIVPRERDAIIHFRVDHALLKKRNMKKEECVRLISHFKFLSAMDIGERRKPQNGSLT    80
NTDB id 96 BSU 24730 NP 390353.1            ....M.DSIEKVSKNLIEEAYLTKASDIHIVPRERDAIIHFRVDHALLKKRDMKKEECVRLISHFKFLSAMDIGERRKPQNGSLT    80
consensus                                    * ** ***************** *!!!!!! !!******* !*!**!** **********!!**!******!*!*!*!! !***

logo
NTDB id 1028 TT RS08215 WP 011173991.1      YREG.AIDVDLRLSTLPTVYGEKAVMRLLKKASDIPEIEDLGFAPGVFERFKEVISKPYGIFLITGPTGSGKSFTTFSILKRIA.   666
NTDB id 1384 A4U84 RS08525 WP 010787006.1   FTTALADTLDFRVSSLPTIYGEKLVLRLQKNKPTSFDFLQLGFNPQQQTTLLNALKQPQGLILVTGPTGSGKSITLYSALNYLN.   277
NTDB id 50619 MY9 RS12450 WP 041521378.1    LKLK.EGNVHLRMSTLPTINEESLVIRVMPQYNI.PSIDKLSLFPKTGATLLSFLKHSHGMLIFTGPTGSGKTTTLYSLVQYAKK   163
NTDB id 96 BSU 24730 NP 390353.1            LKLK.EGNVHLRMSTLPTINEESLVIRVMPQYNI.PSIDKLSLFPKTGATLLSFLKHSHGMLIFTGPTGSGKTTTLYSLVQYAKK   163
consensus                                   ****  *****!*!*!!!*  ! *!*!******* *****!  *!**************!****!!!!!!!**!**!*******

logo
NTDB id 1028 TT RS08215 WP 011173991.1      TPDKNTQTIEDPVEYEIPGINQTQVNPQAGLTFARALRAFLRQDPDIIMVGEIRDSETAKIATEAALTGHLVIATLHTNDAAQAI   751
NTDB id 1384 A4U84 RS08525 WP 010787006.1   QMDKHILTAEDPVEIEIDGLIQTQVNRSIQLDFSQLLRTFLRQDPDIIMLGEIRDEESAKMALRASQTGHLVLSTLHTNDALSAV   362
NTDB id 50619 MY9 RS12450 WP 041521378.1    HFNRNIVTLEDPVETRDDDVLQVQVNEKAGVTYSAGLKAILRHDPDMIILGEIRDAETAEIAVRAAMTGHLVLTSLHTRDAKGAI   248
NTDB id 96 BSU 24730 NP 390353.1            HFNRNIVTLEDPVETRDEDVLQVQVNEKAGVTYSAGLKAILRHDPDMIILGEIRDAETAEIAVRAAMTGHLVLTSLHTRDAKGAI   248
consensus                                   ** ****!*!!!!!*  * **! !!!***********!** !!*!!!*!**!!!!!*!*! *!**!**!!!!!***!!! !!**!*

logo
NTDB id 1028 TT RS08215 WP 011173991.1      TRLDEMGVEPFNISAALIGVLSQRLVRRVCEHCKVEVKPDPETLRRLGLSEAEIQGARLYKGMGCERCGG..TGYKGRYAIHELL   834
NTDB id 1384 A4U84 RS08525 WP 010787006.1   ERLLQLGIGEYEIQNSLLLVIAQRLVRKLCKKCRG.........................VGCDECYQGY...RGRIGVYQCL   417
NTDB id 50619 MY9 RS12450 WP 041521378.1    YRLLEFGINMNEIEQTVIAIAAQRLVDLACPFCEN..........................GCSSVYCRQSRNTRRAGVYELL   305
NTDB id 96 BSU 24730 NP 390353.1            YRLLEFGINMNEIEQTVIAIAAQRLVDLACPFCEN..........................GCSSVYCRQSRNTRRASVYELL   305
consensus                                   *!!***!*****!*********!!!! **!**!**                          *!!***********  !******!

logo
NTDB id 1028 TT RS08215 WP 011173991.1      VVDDEIRHAIVAGKSATEIKEIARRKGMKTLREDGLYKALQGITT...LEEVLARTIE   889
NTDB id 1384 A4U84 RS08525 WP 010787006.1   SRTAKK......FDKQ......TAYLDFSSLRESAKQKIEQQLTNETEVDRVLGYE..   461
NTDB id 50619 MY9 RS12450 WP 041521378.1    YGKNLQ.QCIQEAKGN......HANYQYQTLRQIIRKGIALGYLTTNNYDRWVYHEKD   356
NTDB id 96 BSU 24730 NP 390353.1            YGKNLQ.QCIQEAKGN......HANYQYQTLRQIIRKGIALGYLTTNNYDRWVYHEKD   356
consensus                                   ****** ********      ********!! **** ** ** ******* ******
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X non conserved

X similar

X ≥ 50% conserved