```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1384 A4U84 RS08525 WP 010787006.1     MSQYTICEQQTERIFDISPSRWQKNCEEKQLLLRYLAVPVQETEHKLWLAVDDENNLTACEIFAFMTHKQIEPVVIASDE    80
NTDB id 1112718 IEC97 RS03050 WP 286179865.1  ..............................................................................    0
NTDB id 96 BSU 24730 NP 390353.1              ..............................................................................    0
consensus

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1384 A4U84 RS08525 WP 010787006.1     LKYLLNALSPEQQPIYEESELAFVEQEQEQLLNLNDPIIQLLDNLFKFCLAQNASDIHIEPRKQKLIIRLRIDGVLHLYKS   160
NTDB id 1112718 IEC97 RS03050 WP 286179865.1  ...............................MLIVSAIEILANRIIKDATRNQATDIHIIPRKNDTLVQIRLTNKLIPRLS    50
NTDB id 96 BSU 24730 NP 390353.1              ................................MDSIEKVSKNLIEEAYLTKASDIHIVPRERDAIIHFRVDHALLKKRD    47
consensus                                                                   * *** !* *  ******  **!*!!!!*!!*** ** *!**  !* ***

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1384 A4U84 RS08525 WP 010787006.1     LSIQLASRLISRIKLLAKLDISELRQPQDGQFSFTTALADTLDFRVSSLPTIYGEKLVLRLQKNKPTSFDFLQLGFNPQQ   240
NTDB id 1112718 IEC97 RS03050 WP 286179865.1  LPKEECDKLISHFKFTANMDIGERRRPQSGSIFCD.VNGQLMGLRLSTLPSNNRESLVIRLLPQQ.EQIPFHQLSLFPSM   128
NTDB id 96 BSU 24730 NP 390353.1              MKKEECVRLISHFKFLSAMDIGERRKPQNGSLTLK.LKEGNVHLRMSTLPTINEESLVIRVMPQY.NIPSIDKLSLFPKT   125
consensus                                     * **** *!!!**!*** *!!*!*!*!! !***   * *  * *!*!*!!*** !*!!*!****      * *!***!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1384 A4U84 RS08525 WP 010787006.1     QTTLLNALKQPQGLILVTGPTGSGKSITLYSALNYLNQ.MDKHILTAEDPVEIEIDGLIQTQVNRSIQLDFSQLLRTFLR   319
NTDB id 1112718 IEC97 RS03050 WP 286179865.1  TRKLLALLKHAHGLIIFTGPTGSGKTTTLYSLLNETAHLFHRNVITLEDPIEKNYDSVLQVQVNEKAGVTYATGLKAILR   208
NTDB id 96 BSU 24730 NP 390353.1              GATLLSFLKHSHGMLIFTGPTGSGKTTTLYSLVQYAKKHFNRNIVTLEDPVETRDEDVLQVQVNEKAGVTYSAGLKAILR   205
consensus                                       *!!   !!* *!****!!!!!!!!**!!!!****    * ****!*!!!*!   * **!*!!!******** *!***!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1384 A4U84 RS08525 WP 010787006.1     QDPDIIMLGEIRDEESAKMALRASQTGHLVLSTLHTNDALSAVERLLQLGIQEYEIQNSLLLVIAQRLVRKLCKKCRGVG   399
NTDB id 1112718 IEC97 RS03050 WP 286179865.1  HDPDIIMVGEIRDSETAKIAVRAALTGHLVLSTMHTRDAKGAVYRLHEFGVNWLEVEQTLIAVTAQRLVELTCPFCQD.D   287
NTDB id 96 BSU 24730 NP 390353.1              HDPDMIILGEIRDAETAEIAVRAAMTGHLVLTSLHTRDAKGAIYRLLEFGINMNEIEQTVIAIAAQRLVDLACPFCEN.G   284
consensus                                     *!!!!*!**!!!!! !*!**!*!!*!!!!!!!***!!*!!**!**!!***!**  !******** !!!!!** !**!   *

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1384 A4U84 RS08525 WP 010787006.1     CDE..CYQGYR.GRIGVYQCLSRTAKKFD.....KQTAYLDFSSLRESAKQKIEQQLTNETEVDRVL.GYE..   461
NTDB id 1112718 IEC97 RS03050 WP 286179865.1  CSP.FCYSYGRWKRASVFELLSGRNLQSAMRAAKGENIEPRYKTINQVINKGIALGYIKESEYERLVYNYETS   359
NTDB id 96 BSU 24730 NP 390353.1              CSSVYCRQSRNTRRASVYELLYGKNLQQCIQEAKGNHANYQYQTLRQIIRKGIALGYLTTNNYDRWVYHEKD.   356
consensus                                     !*  *!**  * *!**!***!******  *  **** *   * *********!***** *****!*** **
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X non conserved

X similar

X ≥50% conserved