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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1401 DSB67 RS12665 WP 010643259.1    MLTNLSTVLRQAGILTFSQEESLLEQVKASGISMPEALLSSGFFQSHELTEHLSSVFGLSCTSLNQYEYASLCQTLGLRD    80
NTDB id 397060 GH772 RS09320 WP 001013206.1 ..................................................................................    0
NTDB id 96 BSU 24730 NP 390353.1             ..................................................................................    0
consensus
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1401 DSB67 RS12665 WP 010643259.1    LITRHNALPLNRTSSTLILAVADPTNLQAEDDFRFATGLQVELVLADFRELTAAIRRLYGRSLGQEKSGLKEINQDELAG   160
NTDB id 397060 GH772 RS09320 WP 001013206.1 ..................................................................................    0
NTDB id 96 BSU 24730 NP 390353.1             ..................................................................................    0
consensus
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1401 DSB67 RS12665 WP 010643259.1    LVDIGEDEIENIEDLSQDESPVSRYINQILLDAVRKGASDIHFEPYENMYRVRLRCDGILIEIQQPPSHLSRRLSARIKI   240
NTDB id 397060 GH772 RS09320 WP 001013206.1 ...................MNGIESFANTILKEACRVQASDLHIVPRKKDVVIQLRIGKDLMTKQYIEKEFGEKLVSHFKF    62
NTDB id 96 BSU 24730 NP 390353.1             ...................MDSIEKVSKNLIEEAYLTKASDIHIVPRERDAIIHFRVDHALLKKRDMKKEECVRLISHFKF    62
consensus                                                        *  **** **** *! *  !!!*!**!**** ** *!**  !* ** * **   *!****!*
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1401 DSB67 RS12665 WP 010643259.1    LSKLDIAERRLPQDGRIKLKLNQDTAIDMRVSTLPTLFGEKIVLRLLDSSSAALDINKLGYSDSQKQLYLDALRRPQGMI   320
NTDB id 397060 GH772 RS09320 WP 001013206.1 LASMDIGERRKPQNGSLYLQMDGQ.EVYLRLSTLPTVYQESLVIRLHLQASI.QPLSHLSLFPSTAKKLLSFLHYSHGLL   140
NTDB id 96 BSU 24730 NP 390353.1             LSAMDIGERRKPQNGSLTLKLKEG.NVHLRMSTLPTINEESLVIRVMPQYNI.PSIDKLSLFPKTGATLLSFLKHSHGML   140
consensus                                    !* *!!*!!!*!!*!** !**     * *!*!!!!!** !**!*!** * **   * *!*******  *!**!* **!**
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1401 DSB67 RS12665 WP 010643259.1    LMTGPTGSGKTVSLYTGLSILNK.PEINISTAEDPVEIYLPGINQVQVQPKIGFGFAEALRSFLRQDPDVVMVGEIRDLD   399
NTDB id 397060 GH772 RS09320 WP 001013206.1 VFTGPTGSGKTTTMYALLEVIRKKKTRRIVTLEDPVEKRNDDVLQIQINEKAGITYEAGLKAILRHDPDVILVGEIRDEE   220
NTDB id 96 BSU 24730 NP 390353.1             IFTGPTGSGKTTTLYSLVQYAKKHFNRNIVTLEDPVETRDEDVLQVQVNEKAGVTYSAGLKAILRHDPDMIILGEIRDAE   220
consensus                                    **!!!!!!!!!***!*** ***!   **!*!*!!!!! * ****!*!***!*!*** **!***!!*!!!**!!!!! *
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 1401 DSB67 RS12665 WP 010643259.1    TAEIAIKASQTGHLVLSTLHTNSAAETVIRLSNMGVESFNLASSLSLIIAQRLARKLCPYCRQPQEPNSQLQHI..GIA.   476
NTDB id 397060 GH772 RS09320 WP 001013206.1 TAKIAIRASLTGHLVMTTLHTNDAKGAILRFMDFGITRQEIEQSLLAIAAQRLVELKCPFCKRKCST.VCKSMRQVRQAS   299
NTDB id 96 BSU 24730 NP 390353.1             TAEIAVRAAMTGHLVLTSLHTRDAKGAIYRLLEFGINMNEIEQTVIAIAAQRLVDLACPFCENGCSSVYCRQSRNTRRAS   300
consensus                                    !!*!!**!*!!!!!***!!!**!*****!****!*  ********!*!!!!*** !!*!** ***  *** ** * !*
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logo

NTDB id 1401 DSB67 RS12665 WP 010643259.1     NTEQIFQANPDGCNECTHGYSGRTGIYEVMKFDESLSEALIKGASVHELEKLAIANGMQTLQMSGIEKLKQGITSFRELQ   556
NTDB id 397060 GH772 RS09320 WP 001013206.1  IYELLYGYELK...QAIKEANGECVTYKHETLESSL....RKGYALGFLE.........................EDVYV   347
NTDB id 96 BSU 24730 NP 390353.1              VYELLYGKNLQ...QCIQEAKGNHANYQYQTLRQIL....RKGIALGYLT.........................TNNYD   348
consensus                                     **!**** **    *** ** !  * !   *** **    *!! ****!*                          *

logo

NTDB id 1401 DSB67 RS12665 WP 010643259.1     RVLYF...   561
NTDB id 397060 GH772 RS09320 WP 001013206.1  .......    347
NTDB id 96 BSU 24730 NP 390353.1              RWVYHEKD   356
consensus                                     *  **
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X non conserved

X similar

X $\geq$ 50% conserved