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logo
NTDB id 1323 RAOC RS07335 WP 004916218.1      .MLVKVYGSAIHGVSAQTITIEVNVDQGV.GYHLVGLPDNAIKESSHRISAALKNVGYKLPG.KKITINMAPADLRKEGS   77
NTDB id 39540 VARPA RS01100 WP 013538689.1    MSLSLVQSRALLGLEAADVTVEVHLANGLPSFTLVGLAETEVKESRDRVRSAIQNAGLEFPNNKKIVVSLAPADLPKDSG   80
NTDB id 1271 LPP RS03220 WP 011213198.1       MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPC.RKITVNLGPANLPKTGS   79
NTDB id 1248 GCO85 RS03150 WP 011213198.1     MSLAFTKTRSTIGIVAQPVSVEVHLSNGLPSFTMVGLAETAVKESKDRVRSAIINSQFEFPC.RKITVNLGPANLPKTGS   79
NTDB id 1153 A1552VC RS00115 WP 000521788.1   MGLAIIHSRASIGVQAPPVTVEVHISNGMPGFTLVGLPETTVKESRDRVRSAIINSRFEFPA.KRITVNLAPADLPKEGG   79
NTDB id 1397 DSB67 RS15690 WP 005535577.1     MGLAIIHSRASVGVQAPSVSVEVHISNGMPGFTLVGLPETTVKESKDRVRSAIVNSNFQFPA.KRITVNLAPADLPKEGG   79
NTDB id 1387 A4U84 RS06900 WP 020457569.1     MSLAIIYSRASIGVEAPLVTIEVHISGGSPGLTLVGLPEKSVKEAQDRVRSALMNANFDYPA.RRITINLAPADLPKEGG   79
NTDB id 1349 HI 1117 AAC22771.1               MSLAIVYSRASMGVQAPLVTIEVHLSNGKPGFTLVGLPEKTVKEAQDRVRSALMNAQFKYPA.KRITVNLAPADLPKEGG   79
consensus                                     **!*** *****!* !  ***!!****!*****!!!*** *!!***!***!**! ****!* **!*****!!*!*!***

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NTDB id 1323 RAOC RS07335 WP 004916218.1      AYDLSIALGILAASGQIIAPEIERYLIMGELSLDGGLQPIKGVLPIAIRAREEGF.KGIILPKQNTREAAIVNDLEVYGV  156
NTDB id 39540 VARPA RS01100 WP 013538689.1    RFDLPIALGILAASGQFQGTRLAGHEFAGELSLSGELRPVRGALAMALALHTRGVATKLVLPMDSAQEAALVPGGEVYGA  160
NTDB id 1271 LPP RS03220 WP 011213198.1       GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHK..DNQHLIIANANAAEASLTGHQKVFTA  157
NTDB id 1248 GCO85 RS03150 WP 011213198.1     GFDLPIALGILAASEQIPLTNLANHEFIGELALSGELRGVSAIIPAVLAAHK..DNQHLIIANANAAEASLTGHQKVFTA  157
NTDB id 1153 A1552VC RS00115 WP 000521788.1   RFDLPIALGILAASDQIARNKLESYEFIGELALSGEIRGVKGVLPAALAANQ..VERCLVVPHSNGDQAALVGVERHKSA  157
NTDB id 1397 DSB67 RS15690 WP 005535577.1     RFDLPIALGILAASEQIATDKLKNYEFVGELALSGGLRTVKGVLPAALAANK..KQRHLVVPHANGDQAALVGKEQHKSA  157
NTDB id 1387 A4U84 RS06900 WP 020457569.1     RFDLPIAIGILAASGQIDSDKLKRIELLGELSLTGHLRGVHGAIPAVLAASK..AKREIIVPQQNANEVSLVSNTQTYCA  157
NTDB id 1349 HI 1117 AAC22771.1               RFDLPIAIGILAASDQLDASHLKQFEFVAELALTGQLRGVHGVIPAILAAQK..SKRELIIAKQNANEASLVSDQNTYFA  157
consensus                                     **!!*!!*!!!!!!!*!*     *    ****!!*!*! **** ***** *** *    * ****  ** ** **     * *

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NTDB id 1323 RAOC RS07335 WP 004916218.1      ENIKEVIDFFNENCPLEPTKVNTREEF......HKRVNLFPFDFSEVKGQETAKRAMEVAAAGGHNIILIGPPGSGKTML  230
NTDB id 39540 VARPA RS01100 WP 013538689.1    RHLLDVVRQFLPEEDKAAAPEPSDDGWARIYVTPGVAASQYADLAEVKGHVGAKRALEIAAAGGHSLLMVGEPGSGKSML  240
NTDB id 1271 LPP RS03220 WP 011213198.1       NNLREVCDYLCQGTSLQSLPPKPDL..........LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMM  227
NTDB id 1248 GCO85 RS03150 WP 011213198.1     NNLREVCDYLCQGTSLQSLPPKPDL..........LLNNYELDWSDIKGQQHAKNAMVIAACGGHSILLSGAPGSGKTMM  227
NTDB id 1153 A1552VC RS00115 WP 000521788.1   QSLLEVCADLCGQQTLSLFQSSPSV..........QQVSQTRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTML  227
NTDB id 1397 DSB67 RS15690 WP 005535577.1     QSLLEVCAELCGQHQLNLYQTPKKK..........ELKAHGRDLQDIIGQQQGKRALEIAAAGNHNLLFLGPPGTGKTML  227
NTDB id 1387 A4U84 RS06900 WP 020457569.1     STLLQVVNFLNNRDQLPIAQQLSQNIA......EN.RPLVSRDLTDIIGQQHAKRALIIAASGQHNLLFLGPPGTGKTML  230
NTDB id 1349 HI 1117 AAC22771.1               QTLLDVVQFLNGQEKLPLATEIVKESA......VNFSGKNTLDLTDIIGQQHAKRALTIAAAGQHNLLFLGPPGTGKTML  231
consensus                                     * ***!  **     *                              !**** !** *!*!* *!!*! !*** *!*!!*!!*!*

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NTDB id 1323 RAOC RS07335 WP 004916218.1      AKRIPSILPPLTLKEALETTKIHSVAGKMGAETSLMTIRPFRSPHHTISDVALVGGGSYPQPGEISLAHNGVLFLDEMPE  310
NTDB id 39540 VARPA RS01100 WP 013538689.1    AQRFAGLLPAMSIDEALESAAVASLGGR.FAT.ERWMCRPTSAPHHTSSAVALVGGGSPPRPGEISRAHHGVLFLDEFPE  318
NTDB id 1271 LPP RS03220 WP 011213198.1       AKRFSTLLPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPE  306
NTDB id 1248 GCO85 RS03150 WP 011213198.1     AKRFSTLLPELSETQALECAAINSIRGKLPDF.REWRLPPFRAPHHTASPVALVGGGNPPKPGEISLAHHGVLFLDELPE  306
NTDB id 1153 A1552VC RS00115 WP 000521788.1   ASRLCDLLPEMSDEEAMETASIASLTQQEINQ.HNWKLRPFRAPHHSSSMAALVGGGTIPRPGEISLAHNGLLFLDEMPE  306
NTDB id 1397 DSB67 RS15690 WP 005535577.1     ASRLCDLLPEMSDEEAMETASVASLTQSEINE.HNWKTRPFRAPHHSSSMAALVGGGSVPRPGEISLAHNGLLFLDEMPE  306
NTDB id 1387 A4U84 RS06900 WP 020457569.1     ASRLADLLPEMEDDEAIETASVTSLVQNELNF.QNWKKRPFRSPHHSASMVALVGGGSIPKPGEISLAHNGVLFLDELPE  309
NTDB id 1349 HI 1117 AAC22771.1               ASRLTGLLPEMTDLEAIETASVTSLVQNELNF.HNWKQRPFRAPHHSASMPALVGGGTIPKPGEISLATNGVLFLDELPE  310
consensus                                     ! !*  *!!**** *!*!** * !*          ** *!***!!!* ! *!!!!!!* !*!!!!!*!**!*!!!!!*!!
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NTDB id 1323 RAOC RS07335 WP 004916218.1      FKRTVLEVMRQPLEDREVTISRAKFTVNYPASFMLVASMNPSPSGFFPDDPNNT.SSSFEMQRYLNKLSGPLLDRIDIHI   389
NTDB id 39540 VARPA RS01100 WP 013538689.1    FARSALEALREPLETGTITIVRAARRAEFPARFQLIAAMNPCPCGYLGSSLKSCRCTPDQVSRYQGKLSGPLLDRIDLHI   398
NTDB id 1271 LPP RS03220 WP 011213198.1       FNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQV   386
NTDB id 1248 GCO85 RS03150 WP 011213198.1     FNRQVLETLREPLESGHICISRAAAQIEFPAKFQLIAAMNPCPCGQWGNSQANCMCTPDRISRYLAKLSAPLLDRIDMQV   386
NTDB id 1153 A1552VC RS00115 WP 000521788.1   FERKVLDSLREPLESGEIVISRAQGKTRFPARFQLVGALNPSPTGYYEGSQAR..ANPQSILRYLSRLSGPLLDRFDMSI   384
NTDB id 1397 DSB67 RS15690 WP 005535577.1     FDRKVLDSLREPLESGEIIISRAQGKTRFPARFQIVGALNPSPTGYYEGNQAR..TNPQAILRYLGRLSGPLLDRFDMSL   384
NTDB id 1387 A4U84 RS06900 WP 020457569.1     FERKVLDALRQPLESGEIIISRANAKVQFPACFQLIAAMNPSPTGHYQGTHNR..TSPQQLMRYLNRLSGPFLDRFDLSI   387
NTDB id 1349 HI 1117 AAC22771.1               FERKVLDALRQPLESGEIIISRANAKIQFPARFQLVAAMNPSPTGHYTGTHNR..TSPQQIMRYLNRLSGPFLDRFDLSI   388
consensus                                     ! ! *!* *!*!!!**** !*!! *** *!!*!******!!*!*! *  *      **  * !!* *!!*!*!!! !* *

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NTDB id 1323 RAOC RS07335 WP 004916218.1      EVQKVEFDQLSDK..RKGESSEIIRQRVLKAREIQQERYQDLAISYNAQMGPKEIEHFCELDEVSLLLIKNAMEKLNLSA   467
NTDB id 39540 VARPA RS01100 WP 013538689.1    EVPAVSAEQLLNS..PPGESTESIRSRVVAARERAMQRQGH....ANQNLQGSAIDKHAELDATALKFIYNAAAKLGWSA   472
NTDB id 1271 LPP RS03220 WP 011213198.1       TIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSA   462
NTDB id 1248 GCO85 RS03150 WP 011213198.1     TIHALSQEELIKPNTHLEKQSLAIREKVTKMHEIQMARQDS....LNANLNSKTCEMVCELGSEEQLFLREVMSKLKLSA   462
NTDB id 1153 A1552VC RS00115 WP 000521788.1   EIPALPKGTLANG.GDRGESTAAVRQRVWVARERMLARSGK....VNALLQSREIEQYCPLLKADAEFLESALHRLGLSI   459
NTDB id 1397 DSB67 RS15690 WP 005535577.1     EIPALPKGTLSEG.GDRGEPTAIVKERVNQARDCMLARSGK....VNALLGSREIEAFCPLQKSDAEFLENALHRLGLSI   459
NTDB id 1387 A4U84 RS06900 WP 020457569.1     EVPLLPQGALQNNTDQRGETTEQARKRVLEARHLQFNRRGK....INAQLTTKEIEQDCKLTDRDALFLENALTKLGLSV   463
NTDB id 1349 HI 1117 AAC22771.1               EVPLLPQGSLQNT.GDRGETSAQVREKVLKVREIQMERAGK....INAYLNSKEIERDCKLNDKDAFFLEKALNKLGLSV   463
consensus                                     *****    !      *****  ** *!  ****** ! *     *!*********  * !   *  **  ** *!**!

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NTDB id 1323 RAOC RS07335 WP 004916218.1      RAYDRILKVSRTIADLERETNIQSHHIAEAIQYRSLDRDFWKV.....   510
NTDB id 39540 VARPA RS01100 WP 013538689.1    RSTHRALKVARTIADLASSETVQVMHVAEAVQYRRGLHGVV.......   513
NTDB id 1271 LPP RS03220 WP 011213198.1       RGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1248 GCO85 RS03150 WP 011213198.1     RGYHRLLKVSRTIADMNSSKKVLLNHLQQALSYKQNLHLPK.......   503
NTDB id 1153 A1552VC RS00115 WP 000521788.1   RAYHRIIKVARTIADLQGEAQIARPHLAEALGYRAMDRLLKQLSAQNV   507
NTDB id 1397 DSB67 RS15690 WP 005535577.1     RAYHRIIKVARTIADLEGSPQIERTHLAEALGYRAMDRLLKQLTAQAV   507
NTDB id 1387 A4U84 RS06900 WP 020457569.1     RAYHRILKVSRTIADLAGEAQIQQPHLAEALGYRAMDRLLQRLQGES.   510
NTDB id 1349 HI 1117 AAC22771.1               RAYHRILKVSRTIADLQGEQQIFQPHLAEALGYRAMVRLLQKLSNM..   509
consensus                                     !***!**!!*!!!!!*    **   !***!* !* * ***  *
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X non conserved

X similar

X $\geq$ 50% conserved