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NTDB id 617 LCA RS06480 WP 011375001.1        .MSTEEKLTTLLKHCAKQRVQDLYFTPTIGGWRLTERRQSDLVTNQELDKPTGTRYLNRLKYMAGMDISETRRAQTGRSELQLAD   84
NTDB id 586 KW2 RS10855 WP 011836048.1        ..MVQKKAQELIQKAIEMEASDIYLIASGNLYKIYIRQQLGRTLIEEVNQEIGLALLTHFKFLAGMNTGERRRVQLGACWYELEG   83
NTDB id 49029 SESEC RS00670 WP 038674626.1    ..MVQELAKRLIRQAEELQAQDIYILPRGAGYELLMRIGDDRRLIDVCESDRMANLISHFKFVAGMNVGEKRRCQLGACDYDL.D   82
NTDB id 584 DLJ51 RS00890 WP 019777327.1      MVEVQELGKELIRQAVEEQAQDIYLLPKPAVYKIYLRFGEKRHLIQTCPPEQAAGLISHFKFLAGMNVGEKRRAQLGACDYAFAD   85
NTDB id 394 FSA28 RS09405 WP 002291652.1      ..MVQKLGRKIIAEAVQNKAQDIYIIPKKESYELYMRIGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRSQLGSCDYSYDE   83
NTDB id 385 SMU RS09035 WP 002263435.1        ..MVQKLGRKIIAEAVQNKAQDIYIIPKKESYELYMRIGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRSQLGSCDYSYDE   83
NTDB id 429 SGO RS09420 WP 012130942.1        ..MVQKIAQAIVRQAKEECAQDIYFVPKDDCYELYMRIGDERRFIQTYDFDQLAAVISHFKFLAGMNVGEKRRSQLGSCDYRYDD   83
NTDB id 500 SM12261 RS00945 WP 000249545.1    ..MVQEIAQEIIRSARKKGAQDIYFVPKLDAYELHMRVGDERCKIGCYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCDYEYDQ   83
NTDB id 270 KZH43 RS09265 WP 000249564.1      ..MVQEIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDH   83
NTDB id 229 SPD RS09895 WP 000249564.1        ..MVQEIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDH   83
NTDB id 195 SPR RS09430 WP 000249564.1        ..MVQEIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDH   83
NTDB id 160 SP RS10380 WP 000249564.1         ..MVQEIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDH   83
consensus                                      ********** *     **!*!**** ***** *!*****  *  ** *  *******!**!!!***!*!!*!*!**** **
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NTDB id 617 LCA RS06480 WP 011375001.1        .QTIYLRLATVGDFLNRESLVIRFIYPIGAIYHCDDQQILAQLTQMSRQSGLILFAGPTGSGKTTSLYHLAQQSMSAKMVVAIED   168
NTDB id 586 KW2 RS10855 WP 011836048.1        SSAKRLRLSTVGDFEGNESLVIRLLHDQKQELEFWF.DDK..LQDFRCKRGLYLFAGPVGSGKTSLMFDLAHRHFSNAQVITIEE   165
NTDB id 49029 SESEC RS00670 WP 038674626.1    GTKVSLRLSAVGDYQGQESLVIRLLYHHQRQLRYWF.DGLERVTSAIGARGLYLFSGPVGSGKTTLMYQLVSDYCKELQVISIED   166
NTDB id 584 DLJ51 RS00890 WP 019777327.1      GETAALRLSTVGDYQGRESLVIRLLFDRKRELKFWF.DGLNALLPKIIGRGLYLFSGPVGSGKTTLMYELVSRKYPDSQIITIED   169
NTDB id 394 FSA28 RS09405 WP 002291652.1      GKVISLRLSSVGDYRGYESLVIRLLFSGRHDLKFWF.NSMDLILNEIKGRGLYLFSGPVGSGKTSLMYQLVKLRFETKQVITIED   167
NTDB id 385 SMU RS09035 WP 002263435.1        GKVISLRLSSVGDYRGYESLVIRLLFSGRHDLKFWF.NSMDLILNEIKGRGLYLFSGPVGSGKTSLMYQLVKLRFETKQVITIED   167
NTDB id 429 SGO RS09420 WP 012130942.1        .KETSIRLSTVGDYRGYESLVIRLLHDEETELKFWF.THFPELREKFKDRGLYLFSGPVGSGKTTLMHQLAQLKFKGQQVMSIED   166
NTDB id 500 SM12261 RS00945 WP 000249545.1    .KMASLRLSTVGDYRGHESLVIRLLHDEEQDLHFWF.QDIEELGKQYRQRGLYLFAGPVGSGKTTLMHELAKSLFKGQQVMSIED   166
NTDB id 270 KZH43 RS09265 WP 000249564.1      .KIASLRLSTVGDYRGHESLVIRLLHDEEQDLHFWF.QDIEELGKQYRQRGLYLFAGPVGSGKTTLMHELSKSLFKGQQVMSIED   166
NTDB id 229 SPD RS09895 WP 000249564.1        .KIASLRLSTVGDYRGHESLVIRLLHDEEQDLHFWF.QDIEELGKQYRQRGLYLFAGPVGSGKTTLMHELSKSLFKGQQVMSIED   166
NTDB id 195 SPR RS09430 WP 000249564.1        .KIASLRLSTVGDYRGHESLVIRLLHDEEQDLHFWF.QDIEELGKQYRQRGLYLFAGPVGSGKTTLMHELSKSLFKGQQVMSIED   166
NTDB id 160 SP RS10380 WP 000249564.1         .KIASLRLSTVGDYRGHESLVIRLLHDEEQDLHFWF.QDIEELGKQYRQRGLYLFAGPVGSGKTTLMHELSKSLFKGQQVMSIED   166
consensus                                      ** **!!**!!!*** !!!!!!!***   ** *** * ** *    * *!!*!!*!!*!!!!!*** *! *  *** ****!!*
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NTDB id 617 LCA RS06480 WP 011375001.1        PIEIVAPEFLQLQVNDNAGLSYAELLKISLRLRPDTLIIGEIRDLETAQYVVSAALSGHLVLSTIHARSTQGVVARLLDLGISEL   253
NTDB id 586 KW2 RS10855 WP 011836048.1        PVELIDSDFIQLQVNDVIGNSYDELIKLSLRHRPDLLIVGEIRDQQTARAVLRASLTGYTVFSTIHAASVKGVVQRLLELGLSDW   250
NTDB id 49029 SESEC RS00670 WP 038674626.1    PVEIKNDQLLQLQVNDSIGMTYDNLIKLSLRHRPDVLIIGEIRDTQTARAVIRASLTGAMVFSTVHAKSISGVYARLLELGISRA   251
NTDB id 584 DLJ51 RS00890 WP 019777327.1      PVEIKQDNMLQLQLNPSIGMTYDHLIKLSLRHRPDVLIIGEIRDRETAQAVIRASLTGIRVFSTVHAKSIPGVYARILELGVSQD   254
NTDB id 394 FSA28 RS09405 WP 002291652.1      PVEIKQDNMLQLQLNESIDMTYDNLIKLSLRHRPDILIIGEIRDKETARAVIRASLTGAMVFSTIHAKSIPGVYARMLELGTSSE   252
NTDB id 385 SMU RS09035 WP 002263435.1        PVEIKQDNMLQLQLNESIDMTYDNLIKLSLRHRPDILIIGEIRDKETARAVIRASLTGAMVFSTIHAKSIPGVYARMLELGTSSE   252
NTDB id 429 SGO RS09420 WP 012130942.1        PVEIKQEDMLQLQLNETIGLTYESLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTIHAKSIPGVYERLLELGVSEE   251
NTDB id 500 SM12261 RS00945 WP 000249545.1    PVEIKQDNMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTIHAKSIRGVYERLLELGVSEE   251
NTDB id 270 KZH43 RS09265 WP 000249564.1      PVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTIHAKSIRGVYERLLELGVSEE   251
NTDB id 229 SPD RS09895 WP 000249564.1        PVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTIHAKSIRGVYERLLELGVSEE   251
NTDB id 195 SPR RS09430 WP 000249564.1        PVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTIHAKSIRGVYERLLELGVSEE   251
NTDB id 160 SP RS10380 WP 000249564.1         PVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTIHAKSIRGVYERLLELGVSEE   251
consensus                                     !*!*******!!!*!* ****!**!*!!!!*!!!*!!*!!!!!**!!**!**!*!*!**!*!!*!!*!* !!* !*!*!!*!**
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NTDB id 617 LCA RS06480 WP 011375001.1        QLRACLTGIAYQSLVTKDDVVQA...HYELLTGSDYFSKKE............GGCDV...................   296
NTDB id 586 KW2 RS10855 WP 011836048.1        ELKNGLEAVVYQRLIAGKGVLDIAKSKFDTWSPKKWNEKIENLYANGHLTAIEAEREKISINQASKIDTTDGESFE   326
NTDB id 49029 SESEC RS00670 WP 038674626.1    ELDNSLAMVAYQRFISGGALIDCAQKEFEHHQASQWNQRIDQLLAEGHLNTKQARLEKIIQ................   312
NTDB id 584 DLJ51 RS00890 WP 019777327.1      ELDNCLAGIAYQRLIGGGGLIDFAQDHFQNHQAECWNEKIDQLLAAGHLTEEEAAAEKIKD................   315
NTDB id 394 FSA28 RS09405 WP 002291652.1      ELQNALCGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEEIED................   313
NTDB id 385 SMU RS09035 WP 002263435.1        ELQNALRGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEEIED................   313
NTDB id 429 SGO RS09420 WP 012130942.1        ELKIVLQGICYQRLIGGGGVIDFASDNYQEHEPTVWNQQIDQLLAAGHIHPEQAEAEKIRNQQAKTSY........   319
NTDB id 500 SM12261 RS00945 WP 000249545.1    ELAVVLQGVCYQRLIGGGGIVDFANKDYQEHQSTSWNAQIDQLLKDGHITSLQAETEKISYS..............   313
NTDB id 270 KZH43 RS09265 WP 000249564.1      ELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS..............   313
NTDB id 229 SPD RS09895 WP 000249564.1        ELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS..............   313
NTDB id 195 SPR RS09430 WP 000249564.1        ELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS..............   313
NTDB id 160 SP RS10380 WP 000249564.1         ELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS..............   313
consensus                                     *!    ! ** !!*************  *** *** *** ******  ****  *** ***
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X non conserved

X similar

X $\geq$ 50% conserved