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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 178277 V471 RS02000 WP 002887018.1  ..MVTEFAKEMIKNADSCGAQDIYVIPRQDNYELYMRVGQERRLIDVYRPDFMASLIGHFKFVAGMMVGEKRRSQLGSCDYDCGD   83
NTDB id 584 DLJ51 RS00890 WP 019777327.1    MVEVQELGKELIRQAVEEQAQDIYLLPKPAVYKIYLRFGEKRHLIQTCPPEQAAGLISHFKFLAGMNVGEKRRAQLGACDYAFAD   85
NTDB id 385 SMU RS09035 WP 002263435.1      ..MVQKLGRKIIAEAVQNKAQDIYIIPKKESYELYMRIGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRSQLGSCDYSYDE   83
NTDB id 394 FSA28 RS09405 WP 002291652.1    ..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       SSAKRLRLSTVGDFEGNESLVIRLLHDQKQELEFWFDD.K..LQDFRCKRGLYLFAGPVGSGKTSLMFDLAHRHFSNAQVITIEE  165
NTDB id 178277 V471 RS02000 WP 002887018.1  GQRVSLRLSTVGDYRGLESLVIRVLHSERRELVYWNQG.IQPIMDALDYRGLYLFAGPVGSGKTTLMHELVQERFKGQQVISIED  167
NTDB id 584 DLJ51 RS00890 WP 019777327.1    GETAALRLSTVGDYQGRESLVIRLLFDRKRELKFWFDG.LNALLPKIIGRGLYLFSGPVGSGKTTLMYELVSRKYPDSQIITIED  169
NTDB id 385 SMU RS09035 WP 002263435.1      GKVISLRLSSVGDYRGYESLVIRLLFSGRHDLKFWFNS.MDLILNEIKGRGLYLFSGPVGSGKTSLMYQLVKLRFETKQVITIED  167
NTDB id 394 FSA28 RS09405 WP 002291652.1    GKVISLRLSSVGDYRGYESLVIRLLFSGRHDLKFWFNS.MDLILNEIKGRGLYLFSGPVGSGKTSLMYQLVKLRFETKQVITIED  167
NTDB id 429 SGO RS09420 WP 012130942.1      .KETSIRLSTVGDYRGYESLVIRLLHDEETELKFWFTH.FPELREKFKDRGLYLFSGPVGSGKTTLMHQLAQLKFKGQQVMSIED  166
NTDB id 500 SM12261 RS00945 WP 000249545.1  .KMASLRLSTVGDYRGHESLVIRLLHDEEQDLHFWFQD.IEELGKQYRQRGLYLFAGPVGSGKTTLMHELAKSLFKGQQVMSIED  166
NTDB id 270 KZH43 RS09265 WP 000249564.1    .KIASLRLSTVGDYRGHESLVIRLLHDEEQDLHFWFQD.IEELGKQYRQRGLYLFAGPVGSGKTTLMHELSKSLFKGQQVMSIED  166
NTDB id 229 SPD RS09895 WP 000249564.1      .KIASLRLSTVGDYRGHESLVIRLLHDEEQDLHFWFQD.IEELGKQYRQRGLYLFAGPVGSGKTTLMHELSKSLFKGQQVMSIED  166
NTDB id 195 SPR RS09430 WP 000249564.1      .KIASLRLSTVGDYRGHESLVIRLLHDEEQDLHFWFQD.IEELGKQYRQRGLYLFAGPVGSGKTTLMHELSKSLFKGQQVMSIED  166
NTDB id 160 SP RS10380 WP 000249564.1       .KIASLRLSTVGDYRGHESLVIRLLHDEEQDLHFWFQD.IEELGKQYRQRGLYLFAGPVGSGKTTLMHELSKSLFKGQQVMSIED  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 178277 V471 RS02000 WP 002887018.1  PVEIKQDNVLQLQVNQAIDMTYDNLIKLSLRHRPDVLIIGEIRDKETARAVIRASLTGVTVLSTIHAKSVAGVYERLLDLGVDKS  252
NTDB id 584 DLJ51 RS00890 WP 019777327.1    PVEIKQDNMLQLQLNPSIGMTYDHLIKLSLRHRPDVLIIGEIRDRETAQAVIRASLTGIRVFSTVHAKSIPGVYARILELGVSQD  254
NTDB id 385 SMU RS09035 WP 002263435.1      PVEIKQDNMLQLQLNESIDMTYDNLIKLSLRHRPDILIIGEIRDKETARAVIRASLTGAMVFSTIHAKSIPGVYARMLELGTSSE  252
NTDB id 394 FSA28 RS09405 WP 002291652.1    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        QLRACLTGIAYQSLVTKDDVVQAH...YELLTGSDYFSKKEGGCDV.............................   296
NTDB id 586 KW2 RS10855 WP 011836048.1        ELKNGLEAVVYQRLIAGKGVLDIAKSKFDTWSPKKWNEKIENLYANGHLTAIEAEREKISINQASKIDTTDGESFE   326
NTDB id 178277 V471 RS02000 WP 002887018.1    ELDNALQGIAYMRLIKGGGVIDFASENFQSHSSTSWNQQLEGLVKQGYLTEGDIQGEKIKD...............   313
NTDB id 584 DLJ51 RS00890 WP 019777327.1      ELDNCLAGIAYQRLIGGGGLIDFAQDHFQNHQAECWNEKIDQLLAAGHLTEEEAAAEKIKD...............   315
NTDB id 385 SMU RS09035 WP 002263435.1        ELQNALRGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEEIED...............   313
NTDB id 394 FSA28 RS09405 WP 002291652.1      ELQNALCGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEEIED...............   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