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NTDB id 617 LCA RS06480 WP 011375001.1      ......MSTEEKLTTLLKHCAKQRVQDLYFTPTIGGWRLTERRQSDLVTNQELDKPTGTRYLNRLKYMAGMDISETRRAQ   74
NTDB id 586 KW2 RS10855 WP 011836048.1      ..MVQKKA.....QELIQKAIEMEASDIYLIASGNLYKIYIRQQLGRTLIEEVNQEIGLALLTHFKFLAGMNTGERRRVQ   73
NTDB id 237527 CFA72 RS00655 WP 030126921.1 ..MVQALAKAILAKAILAKAEQVQAQDIYILPRADQYDLFLRIGDERRLVDVYQSDRMAPLISHFKFVAGMIVGEKRRCQ   78
NTDB id 584 DLJ51 RS00890 WP 019777327.1    MVEVQELG.....KELIRQAVEEQAQDIYLLPKPAVYKIYLRFGEKRHLIQTCPPEQAAGLISHFKFLAGMNVGEKRRAQ   75
NTDB id 394 FSA28 RS09405 WP 002291652.1    ..MVQKLG.....RKIIAEAVQNKAQDIYIIPKKESYELYMRIGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRSQ   73
NTDB id 385 SMU RS09035 WP 002263435.1      ..MVQKLG.....RKIIAEAVQNKAQDIYIIPKKESYELYMRIGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRSQ   73
NTDB id 429 SGO RS09420 WP 012130942.1      ..MVQKIA.....QAIVRQAKEECAQDIYFVPKDDCYELYMRIGDERRFIQTYDFDQLAAVISHFKFLAGMNVGEKRRSQ   73
NTDB id 500 SM12261 RS00945 WP 000249545.1  ..MVQEIA.....QEIIRSARKKGAQDIYFVPKLDAYELHMRVGDERCKIGCYDFEKFAAVISHFKFVAGMNVGEKRRSQ   73
NTDB id 270 KZH43 RS09265 WP 000249564.1    ..MVQEIA.....QEIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQ   73
NTDB id 229 SPD RS09895 WP 000249564.1      ..MVQEIA.....QEIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQ   73
NTDB id 195 SPR RS09430 WP 000249564.1      ..MVQEIA.....QEIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQ   73
NTDB id 160 SP RS10380 WP 000249564.1       ..MVQEIA.....QEIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQ   73
consensus                                     *** **     ***** *     **!*!**** * *** *!***** *  ** *  *******!**!!!***!*!!*!
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NTDB id 617 LCA RS06480 WP 011375001.1      TGRSELQLAD.QTIYLRLATVGDFLNRESLVIRFTIYPIGAIYHCDDQQILAQLTQMSRQSGLILFAGPTGSGKTTSLYHL   153
NTDB id 586 KW2 RS10855 WP 011836048.1      LGACWYELEGSSAKRLRLSTVGDFEGNESLVIRLLHDQKQELEFWFD.DK..LQDFRCKRGLYLFAGPVGSGKTSLMFDL   150
NTDB id 237527 CFA72 RS00655 WP 030126921.1 VGSCDYKLSKDKQLSLRLSSVGDYRGQESLVIRLLHHQNKSVHYWFD.GLTKVANQVGGRGLYLFAGPVGSGKTTLMYQL   157
NTDB id 584 DLJ51 RS00890 WP 019777327.1    LGACDYAFADGETAALRLSTVGDYQGRESLVIRLLFDRKRELKFWFD.GLNALLPKIIGRGLYLFSGPVGSGKTTLMYEL   154
NTDB id 394 FSA28 RS09405 WP 002291652.1    LGSCDYSYDEGKVISLRLSSVGDYRGYESLVIRLLFSGRHDLKFWFN.SMDLILNEIKGRGLYLFSGPVGSGKTSLMYQL   152
NTDB id 385 SMU RS09035 WP 002263435.1      LGSCDYSYDEGKVISLRLSSVGDYRGYESLVIRLLFSGRHDLKFWFN.SMDLILNEIKGRGLYLFSGPVGSGKTSLMYQL   152
NTDB id 429 SGO RS09420 WP 012130942.1      LGSCDYRYDD.KETSIRLSTVGDYRGYESLVIRLLHDEETELKFWFT.HFPELREKFKDRGLYLFSGPVGSGKTTLMHQL   151
NTDB id 500 SM12261 RS00945 WP 000249545.1  LGSCDYEYDQ.KMASLRLSTVGDYRGHESLVIRLLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLFAGPVGSGKTTLMHEL   151
NTDB id 270 KZH43 RS09265 WP 000249564.1    LGSCDYAYDH.KIASLRLSTVGDYRGHESLVIRLLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLFAGPVGSGKTTLMHEL   151
NTDB id 229 SPD RS09895 WP 000249564.1      LGSCDYAYDH.KIASLRLSTVGDYRGHESLVIRLLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLFAGPVGSGKTTLMHEL   151
NTDB id 195 SPR RS09430 WP 000249564.1      LGSCDYAYDH.KIASLRLSTVGDYRGHESLVIRLLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLFAGPVGSGKTTLMHEL   151
NTDB id 160 SP RS10380 WP 000249564.1       LGSCDYAYDH.KIASLRLSTVGDYRGHESLVIRLLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLFAGPVGSGKTTLMHEL   151
consensus                                   *!**** **  ** **!!**!!!*** !!!!!!!**** ******* ** *    * *!!*!!*!!*!!!!!*** *!
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NTDB id 617 LCA RS06480 WP 011375001.1      AQQSMSAKMVVAIEDPIEIVAPEFLQLQVNDNAGLSYAELLKISLRLRPDTLIIGEIRDLETAQYVVSAALSGHLVLSTI   233
NTDB id 586 KW2 RS10855 WP 011836048.1      AHRHFSNAQVITIEEPVELIDSDFIQLQVNDVIGNSYDELIKLSLRHRPDLLIVGEIRDQQTARAVLRASLTGYTVFSTI   230
NTDB id 237527 CFA72 RS00655 WP 030126921.1 ISSYHQEAQVISIEDPVEIKNHQILQLQVNDDIGMTYDNLIKLSLRHRPDILVIGEIRDSQTARAVIRASLTGAMVFSTV   237
NTDB id 584 DLJ51 RS00890 WP 019777327.1    VSRKYPDSQIITIEDPVEIKQDNMLQLQLNPSIGMTYDHLIKLSLRHRPDVLIIGEIRDRETAQAVIRASLTGIRVFSTV   234
NTDB id 394 FSA28 RS09405 WP 002291652.1    VKLRFETKQVITIEDPVEIKQDNMLQLQLNESIDMTYDNLIKLSLRHRPDILIIGEIRDKETARAVIRASLTGAMVFSTI   232
NTDB id 385 SMU RS09035 WP 002263435.1      VKLRFETKQVITIEDPVEIKQDNMLQLQLNESIDMTYDNLIKLSLRHRPDILIIGEIRDKETARAVIRASLTGAMVFSTI   232
NTDB id 429 SGO RS09420 WP 012130942.1      AQLKFKGQQVMSIEDPVEIKQEDMLQLQLNETIGLTYESLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTI   231
NTDB id 500 SM12261 RS00945 WP 000249545.1  AKSLFKGQQVMSIEDPVEIKQDNMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTI   231
NTDB id 270 KZH43 RS09265 WP 000249564.1    SKSLFKGQQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTI   231
NTDB id 229 SPD RS09895 WP 000249564.1      SKSLFKGQQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTI   231
NTDB id 195 SPR RS09430 WP 000249564.1      SKSLFKGQQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTI   231
NTDB id 160 SP RS10380 WP 000249564.1       SKSLFKGQQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFSTI   231
consensus                                     *   *  * ****!!*!*!*******!!!*!* ****!**!*!*!!!*!!!*!**!!!!!**!!**!**!*!*!**!*!!*
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NTDB id 617 LCA RS06480 WP 011375001.1          HARSTQGVVARLLDLGISELQLRACLTGIAYQSLVTKDDVVQA...HYELLTGSDYFSKKEGGCDV.............  296
NTDB id 586 KW2 RS10855 WP 011836048.1          HAASVKGVVQRLLELGLSDWELKNGLEAVVYQRLIAGKGVLDIAKSKFDTWSPKKWNEKIENLYANGHLTAIEAEREKIS  310
NTDB id 237527 CFA72 RS00655 WP 030126921.1     HAKSISGVYARLLELGVTKAELSNCLALIAYQRLLNGGALIDSTQNEFEYYSSSNWNQQIDQLLEAGHLNPKQAKLEKII  317
NTDB id 584 DLJ51 RS00890 WP 019777327.1        HAKSIPGVYARILELGVSQDELDNCLAGIAYQRLIGGGGLIDFAQDHFQNHQAECWNEKIDQLLAAGHLTEEEAAAEKIK  314
NTDB id 394 FSA28 RS09405 WP 002291652.1        HAKSIPGVYARMLELGTSSEELQNALCGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEEIE  312
NTDB id 385 SMU RS09035 WP 002263435.1          HAKSIPGVYARMLELGTSSEELQNALRGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEEIE  312
NTDB id 429 SGO RS09420 WP 012130942.1          HAKSIPGVYERLLELGVSEEELKIVLQGICYQRLIGGGGVIDFASDNYQEHEPTVWNQQIDQLLAAGHIHPEQAEAEKIR  311
NTDB id 500 SM12261 RS00945 WP 000249545.1      HAKSIRGVYERLLELGVSEEELAVVLQGVCYQRLIGGGGIVDFANKDYQEHQSTSWNAQIDQLLKDGHITSLQAETEKIS  311
NTDB id 270 KZH43 RS09265 WP 000249564.1        HAKSIRGVYERLLELGVSEEELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKIS  311
NTDB id 229 SPD RS09895 WP 000249564.1          HAKSIRGVYERLLELGVSEEELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKIS  311
NTDB id 195 SPR RS09430 WP 000249564.1          HAKSIRGVYERLLELGVSEEELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKIS  311
NTDB id 160 SP RS10380 WP 000249564.1           HAKSIRGVYERLLELGVSEEELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKIS  311
consensus                                       !!*!*  !!*  !*!*!!*****!   !  ** !!*!**********  *** * * *** ******  ****  *** ***
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NTDB id 617 LCA RS06480 WP 011375001.1          ................  296
NTDB id 586 KW2 RS10855 WP 011836048.1          INQASKIDTTDGESFE  326
NTDB id 237527 CFA72 RS00655 WP 030126921.1     ................  317
NTDB id 584 DLJ51 RS00890 WP 019777327.1        D...............  315
NTDB id 394 FSA28 RS09405 WP 002291652.1        D...............  313
NTDB id 385 SMU RS09035 WP 002263435.1          D...............  313
NTDB id 429 SGO RS09420 WP 012130942.1          NQQAKTSY........  319
NTDB id 500 SM12261 RS00945 WP 000249545.1      YS..............  313
NTDB id 270 KZH43 RS09265 WP 000249564.1        YS..............  313
NTDB id 229 SPD RS09895 WP 000249564.1          YS..............  313
NTDB id 195 SPR RS09430 WP 000249564.1          YS..............  313
NTDB id 160 SP RS10380 WP 000249564.1           YS..............  313
consensus
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X non conserved
X similar
X ≥ 50% conserved