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logo
NTDB id 96 BSU 24730 NP 390353.1              MDSIEKVSKNLIEEAYLTKASDIHIVPRERDAIIHFRVDHALLKKRDMKKEECVRLISHFKFLSAMDIGERRKPQNGSLT   80
NTDB id 617 LCA RS06480 WP 011375001.1        .MSTEEKLTTLLKHCAKQRVQDLYFTPTIGGWRLTERRQSDLVTNQELDKPTGTRYLNRLKYMAGMDISETRRAQTGRSE   79
NTDB id 586 KW2 RS10855 WP 011836048.1        ..MVQKKAQELIQKAIEMEASDIYLIASGNLYKIYIRQQLGRTLIEEVNQEIGLALLTHFKFLAGMNTGERRRVQLGACW   78
NTDB id 429 SGO RS09420 WP 012130942.1        ..MVQKIAQAIVRQAKEECAQDIYFVPKDLCYELYMRIGDERRFIQTYDFDQLAAVISHFKFLAGMNVGEKRRSQLGSCD   78
NTDB id 500 SM12261 RS00945 WP 000249545.1    ..MVQEIAQEIIRSARKKGAQDIYFVPKLDAYELHMRVGDERCKIGCYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCD   78
NTDB id 270 KZH43 RS09265 WP 000249564.1      ..MVQEIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCD   78
NTDB id 229 SPD RS09895 WP 000249564.1        ..MVQEIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCD   78
NTDB id 195 SPR RS09430 WP 000249564.1        ..MVQEIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCD   78
NTDB id 160 SP RS10380 WP 000249564.1         ..MVQEIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCD   78
NTDB id 584 DLJ51 RS00890 WP 019777327.1      MVEVQELGKELIRQAVEEQAQDIYLLPKPAVYKIYLRFGEKRHLIQTCPPEQAAGLISHFKFLAGMNVGEKRRAQLGACD   80
NTDB id 1030596 AB6W33 RS01105 WP 257151376.1 ..MVQSLAKQVIHQAVEVNAQDIYIIPKGDCYELYMRIDDERRFIDVFEFNRMASLISHFKFVAGMNVGEKRRSQLGSCD   78
NTDB id 385 SMU RS09035 WP 002263435.1       ..MVQKLGRKIIAEAVQNKAQDIYIIPKKESYELYMRIGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRSQLGSCD   78
NTDB id 394 FSA28 RS09405 WP 002291652.1     ..MVQKLGRKIIAEAVQNKAQDIYIIPKKESYELYMRIGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRSQLGSCD   78
consensus                                      *** **  *** *    **!** *** * *** *!*****  *  ** *  *******!****!***!*!**!*!***

logo
NTDB id 96 BSU 24730 NP 390353.1              LKLKEG.NVHLRMSTLPT.INEESLVIRVMPQYNIPSIDKLSLFPKTGATLLSFLKHSHGMLIFTGPTGSGKTTTLYSLV  158
NTDB id 617 LCA RS06480 WP 011375001.1        LQLAD.QTIYLRLATVGDFLNRESLVIRFIYPIG....AIYHCDDQQILAQLTQMSRQSGLILFAGPTGSGKTTSLYHLA  154
NTDB id 586 KW2 RS10855 WP 011836048.1        YELEGSSAKRLRLSTVGDFEGNESLVIRLLHDQK....QELEFWF.DDK..LQDFRCKRGLYLFAGPVGSGKTSLMFDLA  151
NTDB id 429 SGO RS09420 WP 012130942.1        YRYDD.KETSIRLSTVGDYRGYESLVIRLLHDEE....TELKFWF.THFPELREKFKDRGLYLFSGPVGSGKTTLMHQLA  152
NTDB id 500 SM12261 RS00945 WP 000249545.1    YEYDQ.KMASLRLSTVGDYRGHESLVIRLLHDEE....QDLHFWF.QDIEELGKQYRQRGLYLFAGPVGSGKTTLMHELA  152
NTDB id 270 KZH43 RS09265 WP 000249564.1      YAYDH.KIASLRLSTVGDYRGHESLVIRLLHDEE....QDLHFWF.QDIEELGKQYRQRGLYLFAGPVGSGKTTLMHELS  152
NTDB id 229 SPD RS09895 WP 000249564.1        YAYDH.KIASLRLSTVGDYRGHESLVIRLLHDEE....QDLHFWF.QDIEELGKQYRQRGLYLFAGPVGSGKTTLMHELS  152
NTDB id 195 SPR RS09430 WP 000249564.1        YAYDH.KIASLRLSTVGDYRGHESLVIRLLHDEE....QDLHFWF.QDIEELGKQYRQRGLYLFAGPVGSGKTTLMHELS  152
NTDB id 160 SP RS10380 WP 000249564.1         YAYDH.KIASLRLSTVGDYRGHESLVIRLLHDEE....QDLHFWF.QDIEELGKQYRQRGLYLFAGPVGSGKTTLMHELS  152
NTDB id 584 DLJ51 RS00890 WP 019777327.1      YAFADGETAALRLSTVGDYQGRESLVIRLLFDRK....RELKFWF.DGLNALLPKIIGRGLYLFSGPVGSGKTTLMYELV  155
NTDB id 1030596 AB6W33 RS01105 WP 257151376.1 YELSEGRLVSLRLSSVGDYRGQESLVIRILYSGH....QDLKYWF.DNIKQMKEVLGIRGLYLFSGPVGSGKTTLMYQLA  153
NTDB id 385 SMU RS09035 WP 002263435.1       YSYDEGKVISLRLSSVGDYRGYESLVIRLLFSGR....HDLKFWF.NSMDLILNEIKGRGLYLFSGPVGSGKTSLMYQLV  153
NTDB id 394 FSA28 RS09405 WP 002291652.1     YSYDEGKVISLRLSSVGDYRGYESLVIRLLFSGR....HDLKFWF.NSMDLILNEIKGRGLYLFSGPVGSGKTSLMYQLV  153
consensus                                    * **  ** **!*********** !!!!!!** *       ** *** * *  *    * *!***! !!*!!!!!***  !

logo
NTDB id 96 BSU 24730 NP 390353.1              QYAKKHFNRNIVTLEDPVETRDEDVLQVQVNEKAGVTYSAGLKAILRHDPDMIILGEIRDAETAEIAVRAAMTGHLVLTS  238
NTDB id 617 LCA RS06480 WP 011375001.1        QQS..MSAKMVVAIEDPIEIVAPEFLQLQVNDNAGLSYAELLKISLRLRPDTLIIGEIRDLETAQYVVSAALSGHLVLST  232
NTDB id 586 KW2 RS10855 WP 011836048.1        HRH..FSNAQVITIEEPVELIDSDFIQLQVNDVIGNSYDELIKLSLRHRPDLLIVGEIRDQQTARAVLRASLTGYTVFST  229
NTDB id 429 SGO RS09420 WP 012130942.1        QLK..FKGQQVMSIEDPVEIKQEDMLQLQLNETIGLTYESLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFST  230
NTDB id 500 SM12261 RS00945 WP 000249545.1    KSL..FKGQQVMSIEDPVEIKQDNMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFST  230
NTDB id 270 KZH43 RS09265 WP 000249564.1      KSL..FKGQQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFST  230
NTDB id 229 SPD RS09895 WP 000249564.1        KSL..FKGQQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFST  230
NTDB id 195 SPR RS09430 WP 000249564.1        KSL..FKGQQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFST  230
NTDB id 160 SP RS10380 WP 000249564.1         KSL..FKGQQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDSETARAVVRASLTGATVFST  230
NTDB id 584 DLJ51 RS00890 WP 019777327.1      SRK..YPDSQIITIEDPVEIKQDNMLQLQLNPSIGMTYDHLIKLSLRHRPDVLIIGEIRDRETAQAVIRASLTGIRVFST  233
NTDB id 1030596 AB6W33 RS01105 WP 257151376.1 SEV..FKNKQIITIEDPVEIKNDKMLQLQLNEDIGMTYDALIKLSLRHRPDILIIGEIRDQATARAVIRASLTGVMVFST  231
NTDB id 385 SMU RS09035 WP 002263435.1       KLR..FETKQVITIEDPVEIKQDNMLQLQLNESIDMTYDNLIKLSLRHRPDILIIGEIRDKETARAVIRASLTGAMVFST  231
NTDB id 394 FSA28 RS09405 WP 002291652.1     KLR..FETKQVITIEDPVEIKQDNMLQLQLNESIDMTYDNLIKLSLRHRPDILIIGEIRDKETARAVIRASLTGAMVFST  231
consensus                                      *   *****!*!*!*******!*!*!* *****!* **!**!!**!!**!*!!!!! *!!******!***!* !***
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logo

NTDB id 96 BSU 24730 NP 390353.1                LHTRDAKGAIYRLLEFGINMNEIEQTVIAIAAQRLVDLACP......FCENGCSSVYCRQSRNTRRASVYELLYGKNLQQ   312
NTDB id 617 LCA RS06480 WP 011375001.1          IHARSTQGVVARLLDLGISELQLRACLTGIAYQSLVTKDDVVQAH...YELLTGSDYFSKK........E..........   291
NTDB id 586 KW2 RS10855 WP 011836048.1          IHAASVKGVVQRLLELGLSDWELKNGLEAVVYQRLIAGKGVLDIAKSKFDTWSPKKWNEKI........ENLYANGHLTA   301
NTDB id 429 SGO RS09420 WP 012130942.1          IHAKSIPGVYERLLELGVSEEELKIVLQGICYQRLIGGGGVIDFASDNYQEHEPTVWNQQI........DQLLAAGHIHP   302
NTDB id 500 SM12261 RS00945 WP 000249545.1      IHAKSIRGVYERLLELGVSEEELAVVLQGVCYQRLIGGGGIVDFANKDYQEHQSTSWNAQI........DQLLKDGHITS   302
NTDB id 270 KZH43 RS09265 WP 000249564.1        IHAKSIRGVYERLLELGVSEEELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQI........DQLLKDGHITS   302
NTDB id 229 SPD RS09895 WP 000249564.1          IHAKSIRGVYERLLELGVSEEELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQI........DQLLKDGHITS   302
NTDB id 195 SPR RS09430 WP 000249564.1          IHAKSIRGVYERLLELGVSEEELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQI........DQLLKDGHITS   302
NTDB id 160 SP RS10380 WP 000249564.1           IHAKSIRGVYERLLELGVSEEELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQI........DQLLKDGHITS   302
NTDB id 584 DLJ51 RS00890 WP 019777327.1        VHAKSIPGVYARILELGVSQDELDNCLAGIAYQRLIGGGGLIDFAQDHFQNHQAECWNEKI........DQLLAAGHLTE   305
NTDB id 1030596 AB6W33 RS01105 WP 257151376.1   IHAKSIPGVYDRLIELGVNYQELENSLKLIAYQRLIGGGSLIDFETGNFKKHSSDKWNRQV........E..........   293
NTDB id 385 SMU RS09035 WP 002263435.1          IHAKSIPGVYARMLELGTSSEELQNALRGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQI........YDLFTAGYITE   303
NTDB id 394 FSA28 RS09405 WP 002291652.1        IHAKSIPGVYARMLELGTSSEELQNALCGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQI........YDLFTAGYITE   303
consensus                                       *!**** !** !****!******   * ** *!*!**********   ** * * *** **         ****  ****
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logo

NTDB id 96 BSU 24730 NP 390353.1                CI...QEAKGNHANYQYQTLRQIIRKGIALGYLTTNNYDRWVYHEKD   356
NTDB id 617 LCA RS06480 WP 011375001.1          ..GGCDV.......................................   296
NTDB id 586 KW2 RS10855 WP 011836048.1          IEAEREKISINQASKIDTTD......GES........FE........   326
NTDB id 429 SGO RS09420 WP 012130942.1          EQAEAEKIRNQQAKTSY.............................   319
NTDB id 500 SM12261 RS00945 WP 000249545.1      LQAETEKISYS...................................   313
NTDB id 270 KZH43 RS09265 WP 000249564.1        LQAETEKISYS...................................   313
NTDB id 229 SPD RS09895 WP 000249564.1          LQAETEKISYS...................................   313
NTDB id 195 SPR RS09430 WP 000249564.1          LQAETEKISYS...................................   313
NTDB id 160 SP RS10380 WP 000249564.1           LQAETEKISYS...................................   313
NTDB id 584 DLJ51 RS00890 WP 019777327.1        EEAAAEKIKD....................................   315
NTDB id 1030596 AB6W33 RS01105 WP 257151376.1   ..............................................   293
NTDB id 385 SMU RS09035 WP 002263435.1          GEAQAEEIED....................................   313
NTDB id 394 FSA28 RS09405 WP 002291652.1        GEAQAEEIED....................................   313
consensus                                         *  ***
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X non conserved

X similar

X $\geq$ 50% conserved