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logo
NTDB id 241 SP RS04015 WP 000882523.1          ..........................................................MLC.........   3
NTDB id 281 KZH43 RS03550 WP 000882517.1       ..........................................................MLC.........   3
NTDB id 245 SPD RS03860 WP 000882517.1         ..........................................................MLC.........   3
NTDB id 243 SPR RS03635 WP 000882517.1         ..........................................................MLC.........   3
NTDB id 378 SMU RS02690 WP 002263569.1         ..........................................................MLC.........   3
NTDB id 85 BSU 00860 NP 387967.1               ..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLIG........R  70
NTDB id 610 V4T04 RS10165 WP 012897346.1       MKFENIKYTPTLDRILEKAEEYAHQYQYGTIESAHLLAAMATTSGSIAYSLLAGMNVDSSDLL........IDLEDLSSH  72
NTDB id 287 SP RS11210 WP 001109712.1          .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLEE.....VALELTETDYS  70
NTDB id 290 KZH43 RS10025 WP 001109677.1       .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLEE.....VALELTETDYS  70
NTDB id 289 SPD RS10700 WP 001109677.1         .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLEE.....VALELTETDYS  70
NTDB id 1139420 DQM69 RS09775 WP 019768851.1   ....MTDYSLKMQEIFSRAQYQAARYQSQFLETWHLLLAMVDTDETVAHLALLDFADQIDLDEYEDATMLVIRRKPIKVA  76
NTDB id 377 SMU RS09275 WP 002262344.1         ....MTDYSLKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFEADVRFEDYQAAAILAIGKKPKSSS  76
NTDB id 329 STU RS10020 WP 011225298.1         ....MTIYSRKMQAIFHRAQLEAERFESPFLETWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETAAVLAMEKRPKDLS  76
NTDB id 297 STER RS00545 WP 011680614.1        ....MTIYSRKMQAIFHRAQLEAERFESPFLETWHVLLAMVEVTGSVAYLTFTDFEDRIHSEEIETAAVLAMEKRPKDLS  76
consensus                                          **  **     *   *  *    *** ******     ***                  **  *
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logo
NTDB id 241 SP RS04015 WP 000882523.1          .........QNCKINDSTIHLYTNLNG..KQKQIDLCQNCYKIIKTDPNNSLFK.....GMTDLNNRDFDP.FGDFFNDL  66
NTDB id 281 KZH43 RS03550 WP 000882517.1       .........QNCKINDSTIHLYTNLNG..KQKQIDLCQNCYKIIKTDPNNSLFK.....GMTDLNNRDFDP.FGDFFNDL  66
NTDB id 245 SPD RS03860 WP 000882517.1         .........QNCKINDSTIHLYTNLNG..KQKQIDLCQNCYKIIKTDPNNSLFK.....GMTDLNNRDFDP.FGDFFNDL  66
NTDB id 243 SPR RS03635 WP 000882517.1         .........QNCKINDSTIHLYTNLNG..KQKQIDLCQNCYKIIKTDPNNSLFK.....GMTDLNNRDFDP.FGDFFNDL  66
NTDB id 378 SMU RS02690 WP 002263569.1         .........QNCKLNEATIHLYANVNG..QQKQIDLCQNCYQIMKTDPENGPLN.....HLSQQNSSSINPFFDDFFGDL  67
NTDB id 85 BSU 00860 NP 387967.1               GQEMSQTIHYTPRA.KKVIELSMDEARKLGHSYVGTEHILLGLIRE.GEGVAARVLNNLGVSLNKARQQVLQLLGSNET. 147
NTDB id 610 V4T04 RS10165 WP 012897346.1       VKVKRSTLRFSPRA.EEVMTAASFLAIHNNSEAVGTEHLLYALLQV.EDGFGLQLL..........KLQKINIVSLRKEL 140
NTDB id 287 SP RS11210 WP 001109712.1          QDETFTELPFSRRL.QVLFDEAEYVASVVHAKVLGTEHVLYAILHD.SNALATRILERAGFSYEDKK.DQVKIAALRRNL 147
NTDB id 290 KZH43 RS10025 WP 001109677.1       QDETFTELPFSRRL.QILFDEAEYVASVVHAKVLGTEHVLYAILHD.GNALATRILERAGFSYEDKK.DQVKIAALRRNL 147
NTDB id 289 SPD RS10700 WP 001109677.1         QDETFTELPFSRRL.QILFDEAEYVASVVHAKVLGTEHVLYAILHD.GNALATRILERAGFSYEDKK.DQVKIAALRRNL 147
NTDB id 1139420 DQM69 RS09775 WP 019768851.1   QL..NQVLPTSRAL.ERILAYATRIAGAVKAPQVGSEHVLLSMMFG.RDNLAARILEQVGFHFQDEGKDNLRLIDLRKVI 152
NTDB id 377 SMU RS09275 WP 002262344.1         N..DIMLLEQSHAL.KRTLAEAAAISQVTHAKEVGTEHVLFAMLLN.PNLLATRILELVGFHAKDDG.ESIRLLDLRKVI 151
NTDB id 329 STU RS10020 WP 011225298.1         ESDIIDLRAQSPAL.EAMLQEAQGIASVTGAVEVGSEHVLMAFLLH.KDLMVCRLLEVAGFQYKDDS.DKPRIIDLRRSL 153
NTDB id 297 STER RS00545 WP 011680614.1        ESDIIDLRAQSPAL.EAMLQEAQEIASVTGAVEVGSEHVLMAFLLH.KDLMVCRLLEVAGFQYKDDS.DKPRIIDLRRSL 153
consensus                                            ** ** * **  *  **     * **********    * *  ***   * *    *     * **** *
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logo
NTDB id 241 SP RS04015 WP 000882523.1          NNFRPSSN..TPP.....IPPTQSGGGYGGNGGYGSQNRGSAQTPPPSQEKGLLEEFGINVTEIARRGDIDPVIGRDDEI 139
NTDB id 281 KZH43 RS03550 WP 000882517.1       NNFRPSSN..TPP.....IPPTQSGGGYGGNGGYGSQNRGSAQTPPPSQEKGLLEEFGINVTEIARRGDIDPVIGRDDEI 139
NTDB id 245 SPD RS03860 WP 000882517.1         NNFRPSSN..TPP.....IPPTQSGGGYGGNGGYGSQNRGSAQTPPPSQEKGLLEEFGINVTEIARRGDIDPVIGRDDEI 139
NTDB id 243 SPR RS03635 WP 000882517.1         NNFRPSSN..TPP.....IPPTQSGGGYGGNGGYGSQNRGSAQTPPPSQEKGLLEEFGINVTEIARRGDIDPVIGRDDEI 139
NTDB id 378 SMU RS02690 WP 002263569.1         NNFRAFNNQDLPN.....TPPTQAGGGNGNGGN.N.RRPGGPQQQASQKPNGLLEEFGINLTDIARKGEIDPVIGRDEEI 140
NTDB id 85 BSU 00860 NP 387967.1               ....G.......................................SSAAGTNSNANTPTLDSLARDLTAIAKEDSLDPVIGRSKEI 189
NTDB id 610 V4T04 RS10165 WP 012897346.1       EKRTGLKVPESKKAVTPMSKRKMAKG...................VAENSTTPTLDSVSSDLTEEARLGKLDPMIGREAEI 202
NTDB id 287 SP RS11210 WP 001109712.1          EERAGWTREDLKA.LRQRHRTV.ADK..........QNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEI 215
NTDB id 290 KZH43 RS10025 WP 001109677.1       EERAGWTREDLKA.LRQRHRTV.ADK..........QNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEI 215
NTDB id 289 SPD RS10700 WP 001109677.1         EERAGWTREDLKA.LRQRHRTV.ADK..........QNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEI 215
NTDB id 1139420 DQM69 RS09775 WP 019768851.1   ERYAGFSKEDVKA.IFDLAKPKKSG...........NNNFSNMMGGPQPTTGDLADFTRDLTALAAQGQLEKVVGRDEEI 220
NTDB id 377 SMU RS09275 WP 002262344.1         ERYAGFSKEDIKA.IFEMRKPKKVKN..........SSSFSDLMKPP.SVTGELADFTRDLTELARQGRLEPVIGREQEI 219
NTDB id 329 STU RS10020 WP 011225298.1         ERNAGLSKQDLKA.IHDLRKPKKSKA..........SANFANMMQPPQSSTGELADYTKDLTALAESGNLDPIIGRDEEI 222
NTDB id 297 STER RS00545 WP 011680614.1        ERNAGLSKQDLKA.IHDLRKPKKSKA..........SANFANMMQPPQSSTGELADYTKDLTALAESGNLDPVIGRDEEI 222
consensus                                      *   * *  ***  *    **    *          **        **  ** !**** **!**!* * *****!!**!!
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logo

NTDB id 241 SP RS04015 WP 000882523.1          IRVIEILNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPHKLQGKQVIRLDVVSLVQGTGIRGQFEERMQKLMEEIR   219
NTDB id 281 KZH43 RS03550 WP 000882517.1       IRVIEILNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPHKLQGKQVIRLDVVSLVQGTGIRGQFEERMQKLMEEIR   219
NTDB id 245 SPD RS03860 WP 000882517.1         IRVIEILNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPHKLQGKQVIRLDVVSLVQGTGIRGQFEERMQKLMEEIR   219
NTDB id 243 SPR RS03635 WP 000882517.1         IRVIEILNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPHKLQGKQVIRLDVVSLVQGTGIRGQFEERMQKLMEEIR   219
NTDB id 378 SMU RS02690 WP 002263569.1         TRVIEILNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPQKLHGKNVIRLDVVSLVQGTGIRGQFEERMQKLMEEIR   220
NTDB id 85 BSU 00860 NP 387967.1               QRVIEVLSRRTKNNPVLIGEPGVGKTAIAEGLAQQIINNEVPEILRDKRVMTLDMGTVVAGTKYRGEFEDRLKKVMDEIR   269
NTDB id 610 V4T04 RS10165 WP 012897346.1       DRLIHILSRRTKNNPVLVGEPGVGKSAIIEGLAQRIVNGQVPIGLMNSRIMALNMATVVAGTKFRGEFEDRLTAIVEEVS   282
NTDB id 287 SP RS11210 WP 001109712.1          SRMIQILSRKTKNNPVLVGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIE   295
NTDB id 290 KZH43 RS10025 WP 001109677.1       SRMIQILSRKTKNNPVLVGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIE   295
NTDB id 289 SPD RS10700 WP 001109677.1         SRMIQILSRKTKNNPVLVGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIE   295
NTDB id 1139420 DQM69 RS09775 WP 019768851.1  MRMLQILSRKTKNNPVLVGDAGVGKTALAYGLAQRIVEGEVPYELANFRVLELDMMSVVAGTRFRGDFEERMNQIIADIE   300
NTDB id 377 SMU RS09275 WP 002262344.1         SRMVQILSRKTKNNPVLVGDAGVGKTALAYGLAQRIVDSAVPFELADMKVLELDMMSVVAGTRFRGDFEERMNQIIADIE   299
NTDB id 329 STU RS10020 WP 011225298.1         SRMIQVLSRKTKNNPVLVGEAGVGKTALALGLAQRIASGEVPFELADMRILELDMMSVVAGTRFRGDFEERMNQIIDEIE   302
NTDB id 297 STER RS00545 WP 011680614.1        SRMIQVLSRKTKNNPVLVGEAGVGKTALALGLAQRIASGEVPFELADMRILELDMMSVVAGTRFRGDFEERMNQIIDEIE   302
consensus                                       !** *!*!*!!!!!!!*!* !!!!*!** !!!!*!* **!!  *   *** !*****!*!!**!!*!!*!** *****

logo

NTDB id 241 SP RS04015 WP 000882523.1          KREDIILFIDEIHEIVGAGSASDGNMDAGNILKPALARGELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPTVDETI   298
NTDB id 281 KZH43 RS03550 WP 000882517.1       KREDIILFIDEIHEIVGAGSASDGNMDAGNILKPALARGELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPTVDETI   298
NTDB id 245 SPD RS03860 WP 000882517.1         KREDIILFIDEIHEIVGAGSASDGNMDAGNILKPALARGELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPTVDETI   298
NTDB id 243 SPR RS03635 WP 000882517.1         KREDIILFIDEIHEIVGAGSASDGNMDAGNILKPALARGELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPTVDETI   298
NTDB id 378 SMU RS02690 WP 002263569.1         QRQDVILFIDEIHEIVGAGSAGDGNMDAGNILKPALARGELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPSVAETI   299
NTDB id 85 BSU 00860 NP 387967.1               QAGNIILFIDELHTLIGAGG.AEGAIDASNILKPSLARGELQCIGATTLDEYRKYIEKDAALERRFQPIQVDQPSVDESI   348
NTDB id 610 V4T04 RS10165 WP 012897346.1       SDPDVIIFIDELHTIIGAGGGMDSVNDAANILKPALARGDFQMVGATTYHEYQKYIEKDEALERRLARINVDEPSPDEAI   362
NTDB id 287 SP RS11210 WP 001109712.1          EDGQVILFIDELHTIMGSGSGIDSTLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSM   375
NTDB id 290 KZH43 RS10025 WP 001109677.1       EDGQVILFIDELHTIMGSGSGIDSTLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSM   375
NTDB id 289 SPD RS10700 WP 001109677.1         EDGQVILFIDELHTIMGSGSGIDSTLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSM   375
NTDB id 1139420 DQM69 RS09775 WP 019768851.1  ADGHIILFVDEVHTIMGSGSGIDSTLDAANILKPALSRGTLHMIGATTQEEYSKHIEKDAALSRRFARVLIEEPTVDEAY   380
NTDB id 377 SMU RS09275 WP 002262344.1         ADGHIVLFIDELHTIMGSGSGIDSTLDAANILKPALARGSLRTIGATTQEEYQKHIEKDAALSRRFAKVTIEEPSEEEAY   379
NTDB id 329 STU RS10020 WP 011225298.1         ADGKIILFIDELHTIIGSGSGIDSTLDAANILKPALARGTLHMVGATTQAEYQKHIEKDAALSRRFAKITIEEPSVSEAI   382
NTDB id 297 STER RS00545 WP 011680614.1        ADGKIILFIDELHTIIGSGSGIDSTLDAANILKPALARGTLHMVGATTQAEYQKHIEKDAALSRRFAKITIEEPSVSEAI   382
consensus                                       **  ***!*!!*!***! !*****  *!!*!!!!!*!*!! * **!!!!   !! * !!!!*!! !!**** ***!******

logo

NTDB id 241 SP RS04015 WP 000882523.1          TILKGIQKKYEDYHHVQYTDAAIEAAATLSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNFV..DPKVIDQRLIEAENLKS   376
NTDB id 281 KZH43 RS03550 WP 000882517.1       TILKGIQKKYEDYHHVQYTDAAIEAAATLSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNFV..DPKVIDQRLIEAENLKS   376
NTDB id 245 SPD RS03860 WP 000882517.1         TILKGIQKKYEDYHHVQYTDAAIEAAATLSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNFV..DPKVIDQRLIEAENLKS   376
NTDB id 243 SPR RS03635 WP 000882517.1         TILKGIQKKYEDYHHVQYTDAAIEAAATLSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNFV..DPKVIDQRLIEAENLKS   376
NTDB id 378 SMU RS02690 WP 002263569.1         TILKGIQPKYEDYHHVKYTDEAIEAAANLSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNFV..DPKEIDHRLIEAENLKA   377
NTDB id 85 BSU 00860 NP 387967.1               QILQGLRDRYEAHHRVSITDDAIEAAVKLSDRYISDRFLPDKAIDLIDEAGSKVRLRSFTTPPNLKELEQKLDEVRKEKD   428
NTDB id 610 V4T04 RS10165 WP 012897346.1       AILQGLREKFEDYHQVKFTDQAIKSAVMLSVRYMTSRKLPDKAIDLLDEAAAAVKISVKNQQTKRLDLEKELAEAQEELS   442
NTDB id 287 SP RS11210 WP 001109712.1          TILQGLKATYEKHHRVQITDEAVETAVKMAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDL....SP....AD   447
NTDB id 290 KZH43 RS10025 WP 001109677.1       TILQGLKATYEKHHRVQITDEAVETAVKMAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDL....SP....AD   447
NTDB id 289 SPD RS10700 WP 001109677.1         TILQGLKATYEKHHRVQITDEAVETAVKMAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDL....SP....AD   447
NTDB id 1139420 DQM69 RS09775 WP 019768851.1  QILLGLRGSYESYHNVTISDQAVLTAVKSAHRYLTSKNLPDSAIDLLDEASAMVQNTVKRS..LPTFL....SS....AD   450
NTDB id 377 SMU RS09275 WP 002262344.1         QILLGLKKSYETYHHVIISDAAVMAAVKGAHRYLSGKNLPDSAIDLLDEASATVQGLVKKK..APAYL....TD....LD   449
NTDB id 329 STU RS10020 WP 011225298.1         DILNGLRSSYEDYHRVTITDAAVETAVKAAHRYLTSKNLPDSAIDLLDEASATVQVRIKKE..AKREI....TP....LD   452
NTDB id 297 STER RS00545 WP 011680614.1        DILNGLRSSYEDYHRVTITDAAVETAVKAAHRYLTSKNLPDSAIDLLDEASATVQVRIKKE..DKREI....TP....LD   452
consensus                                      *!! !**  *!**! ! **! !** !***  !!** * !!! !!!!*!!!** *** ** *  * ***     *     *
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logo

NTDB id 241 SP RS04015 WP 000882523.1          QATREEDFEKAAYFRDQIAK.......YKEMQKKKITDQDTPSISEKTIEHIIEQKTNIPVGDLKEKEQSQLIHLAEDLK   449
NTDB id 281 KZH43 RS03550 WP 000882517.1       QATREEDFEKAAYFRDQIAK.......YKEMQKKKITDQDTPIISEKTIEHIIEQKTNIPVGDLKEKEQSQLIHLAEDLK   449
NTDB id 245 SPD RS03860 WP 000882517.1         QATREEDFEKAAYFRDQIAK.......YKEMQKKKITDQDTPIISEKTIEHIIEQKTNIPVGDLKEKEQSQLIHLAEDLK   449
NTDB id 243 SPR RS03635 WP 000882517.1         QATREEDFEKAAYFRDQIAK.......YKEMQKKKITDQDTPIISEKTIEHIIEQKTNIPVGDLKEKEQSQLIHLAEDLK   449
NTDB id 378 SMU RS02690 WP 002263569.1         QATRDEDYEKAAYFRDQIAK.......YKEMQSAKLDKENTPVITEKNIEVIVEQKTNIPVGELKEKEQSQLIHLADDLK   450
NTDB id 85 BSU 00860 NP 387967.1               AAVQSQEFEKAASLRDTEQRLREQVEDTKKSWKEK.QGQENSEVTVDDIAMVVSSWTGVPVSKIAQTETDKLLNMENILH   507
NTDB id 610 V4T04 RS10165 WP 012897346.1       EAVIKLDIKASRTKEKAVEKIADKIYKFSV......KEDKRQEVTDQAVVAVASTLTGVPITQMTKSESDRLINLEKELH   516
NTDB id 287 SP RS11210 WP 001109712.1          KALMDGKWKQAAQLIAKEE........EVP......VYK..DLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELH   511
NTDB id 290 KZH43 RS10025 WP 001109677.1       KALMDGKWKQAAQLIAKEE........EVP......VYK..DLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELH   511
NTDB id 289 SPD RS10700 WP 001109677.1         KALMDGKWKQAAQLIAKEE........EVP......VYK..DLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELH   511
NTDB id 1139420 DQM69 RS09775 WP 019768851.1   QALLSGNLEAVAGLLKTEE........DKQ......KIHKPVAVREEDILRTLSKLSGIPLEKMTQADNQRYLNLEKELH   516
NTDB id 377 SMU RS09275 WP 002262344.1         HALITNDYQLAKRLLKK.E........KKP......LLKKRAEVKEEDILATLSKLSGIPVKKLTQADSKKYLNLERELH   514
NTDB id 329 STU RS10020 WP 011225298.1         EALISGDIGAAVKQYKA.N........QKA......KFPKPALVDADQIMQTLSRLSGIPVEKMTQTDSKRYLNLESELH   517
NTDB id 297 STER RS00545 WP 011680614.1        EALISGDIGAAVKQYKA.N........QKA......KFPKPALVDADQIMQTLSRLSGIPVEKMTQTDSKRYLNLESELH   517
consensus                                       !*** **  **                *           ****  **  ** ****!* **** *  * **** *!*

logo

NTDB id 241 SP RS04015 WP 000882523.1          SHVIGQDDAVDKIAKAIRRNRVGLGTPNRPIGSFLFVGPTGVGKTELSKQLAIELFGSADSMIRFDMSEYMEKHSVAKLV   529
NTDB id 281 KZH43 RS03550 WP 000882517.1       SHVIGQDDAVDKIAKAIRRNRVGLGTPNRPIGSFLFVGPTGVGKTELSKQLAIELFGSADSMIRFDMSEYMEKHSVAKLV   529
NTDB id 245 SPD RS03860 WP 000882517.1         SHVIGQDDAVDKIAKAIRRNRVGLGTPNRPIGSFLFVGPTGVGKTELSKQLAIELFGSADSMIRFDMSEYMEKHSVAKLV   529
NTDB id 243 SPR RS03635 WP 000882517.1         SHVIGQDDAVDKIAKAIRRNRVGLGTPNRPIGSFLFVGPTGVGKTELSKQLAIELFGSADSMIRFDMSEYMEKHSVAKLV   529
NTDB id 378 SMU RS02690 WP 002263569.1         TRVIGQDAAVDKIAKAIRRNRVGLGTPNRPIGSFLFVGPTGVGKTELSKQLAIELFGSEDSMIRFDMSEYMEKHAVAKLV   530
NTDB id 85 BSU 00860 NP 387967.1               SRVIGQDEAVVAVAKAVRRARAGLKDPKRPIGSFIFLGPTGVGKTELARALAESIFGDEESMIRIDMSEYMEKHSTSRLV   587
NTDB id 610 V4T04 RS10165 WP 012897346.1       KRVVGQEEAISAVSRAIRRARSGVADSRRPMGSFMFLGPTGVGKTELAKALADSVFGSEDNMIRVDMSEFMEKHSTSRLI   596
NTDB id 287 SP RS11210 WP 001109712.1          KRVIGQDQAVSSISRAIRRNQSGIRSHKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLN   591
NTDB id 290 KZH43 RS10025 WP 001109677.1       KRVIGQDQAVSSISRAIRRNQSGIRSHKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLN   591
NTDB id 289 SPD RS10700 WP 001109677.1         KRVIGQDQAVSSISRAIRRNQSGIRSHKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLN   591
NTDB id 1139420 DQM69 RS09775 WP 019768851.1   KRVIGQEDAVSAVSRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTELAKALAELLFDDESALIRFDMSEYMEKFAASRLN   596
NTDB id 377 SMU RS09275 WP 002262344.1         KRVIGQDDAVSSISRAIRRNQSGIRVGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLN   594
NTDB id 329 STU RS10020 WP 011225298.1         KRVIGQDEAVSAISRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALLRFDMSEYMEKFAASRLN   597
NTDB id 297 STER RS00545 WP 011680614.1        KRVIGQDEAVSAISRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALLRFDMSEYMEKFAASRLN   597
consensus                                      **!*!!**!** ***!*!!* *!*** *!!*!!!*!*!!!!!!!!!!**!!* *!  **  **!*!!!!*!!! * **!

logo

NTDB id 241 SP RS04015 WP 000882523.1          GAPPGYVGYDEAGQLTEKVRHNPYSLILLDEVEKAHPDVMHMFLQVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..T   607
NTDB id 281 KZH43 RS03550 WP 000882517.1       GAPPGYVGYDEAGQLTEKVRHNPYSLILLDEVEKAHPDVMHMFLQVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..T   607
NTDB id 245 SPD RS03860 WP 000882517.1         GAPPGYVGYDEAGQLTEKVRHNPYSLILLDEVEKAHPDVMHMFLQVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..T   607
NTDB id 243 SPR RS03635 WP 000882517.1         GAPPGYVGYDEAGQLTEKVRHNPYSLILLDEVEKAHPDVMHMFLQVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..T   607
NTDB id 378 SMU RS02690 WP 002263569.1         GAPPGYVGYEEAGQLTEKVRRNPYSLILLDEVEKAHPDVMHMFLQVLDDGRLTDGQGRTVSFKDTIIIMTSNAGTGK..S   608
NTDB id 85 BSU 00860 NP 387967.1               GSPPGYVGYDEGGQLTEKVRRKPYSVVLLDEIEKAHPDVFNILLQVLEDGRLTDSKGRTVDFRNTILIMTSNVGASELKR   667
NTDB id 610 V4T04 RS10165 WP 012897346.1       GAPPGYVGYDEGGQLTERVRNKPYSVVLLDEVEKAHPDVFNIMLQILDDGFVTDTKGRKVDFRNTIIIMTSNLGATALRD   676
NTDB id 287 SP RS11210 WP 001109712.1          GAPPGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRD   671
NTDB id 290 KZH43 RS10025 WP 001109677.1       GAPPGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRD   671
NTDB id 289 SPD RS10700 WP 001109677.1         GAPPGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRD   671
NTDB id 1139420 DQM69 RS09775 WP 019768851.1   GAPPGYVGYEEGGELTEKVRQKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRD   676
NTDB id 377 SMU RS09275 WP 002262344.1         GAPPGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNILLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRD   674
NTDB id 329 STU RS10020 WP 011225298.1         GAPPGYVGYDEGGELTEKVRNKPYSVLLFDEIEKAHPDIFNVLLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRD   677
NTDB id 297 STER RS00545 WP 011680614.1        GAPPGYVGYDEGGELTEKVRNKPYSVLLFDEIEKAHPDIFNILLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRD   677
consensus                                      !*!!!!!!!*!*!  !!!*!!**!!!**! !!*!!!!!!*****!!*!*!! *!!**!!*!*!  **!*!!!!!*!******
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logo

NTDB id 241 SP RS04015 WP 000882523.1          EASVGFGAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVNKRLSSNNIRLDVTDKV   682
NTDB id 281 KZH43 RS03550 WP 000882517.1       EASVGFGAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVNKRLSSNNIRLDVTDKV   682
NTDB id 245 SPD RS03860 WP 000882517.1         EASVGFGAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVNKRLSSNNIRLDVTDKV   682
NTDB id 243 SPR RS03635 WP 000882517.1         EASVGFGAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVNKRLSSNNIRLDVTDKV   682
NTDB id 378 SMU RS02690 WP 002263569.1         EANVGFGASREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFQALSKDNLLQIVSLMLDDVNQRLAVNAIHLDVTDKV   683
NTDB id 85 BSU 00860 NP 387967.1               NKYVGFNVQDETQNHKDMKDKVMGELKRAFRPEFINRIDEIIVFHSLEKKHLTEIVSLMSDQLTKRLKEQDLSIELTDAA   747
NTDB id 610 V4T04 RS10165 WP 012897346.1       DKTVGFGAKNITADYSAMKSRILEELKRHYRPEFLNRIDENIVFHSLESQEIEQIVKIMSKSLIKRLAEQDIHVKLTPSA   756
NTDB id 287 SP RS11210 WP 001109712.1          DKTVGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLTEKGIDLKLQASA   751
NTDB id 290 KZH43 RS10025 WP 001109677.1       DKTVGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLAEKGIDLKLQASA   751
NTDB id 289 SPD RS10700 WP 001109677.1         DKTVGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLAEKGIDLKLQASA   751
NTDB id 1139420 DQM69 RS09775 WP 019768851.1   DKTVGFGAKGIRQDYQAMQGRIMEELRKAYRPEFINRIDEKIVFHSLTPDHMRQVVKLMLKPLAATLTEKQIDLKVQPAA   756
NTDB id 377 SMU RS09275 WP 002262344.1         DKTVGFGAKSFSQDYKAMESRILEELKKVYRPEFINRIDEKVVFHNLGQEDIRHIVKIMVAPLIAHLADQGITLKFQPSA   754
NTDB id 329 STU RS10020 WP 011225298.1         DKTVGFGAQTISHNHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLEEEQLHDIVKIMVKPLISALADKGISLKFQPAA   757
NTDB id 297 STER RS00545 WP 011680614.1        DKTVGFGAQTISHNHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLEEEQLHDIVKIMVKPLISALADKGISLKFQPAA   757
consensus                                      ***!!!**          *  ****!!** **!!!*!!*!* **!**!* * *  *!**!*  *   ! ** * ***   *

logo

NTDB id 241 SP RS04015 WP 000882523.1          KEKLVDLGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDLKA.VMTSKGNIQIKSAKKAEVKSSEKEK   752
NTDB id 281 KZH43 RS03550 WP 000882517.1       KEKLVDLGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDLKA.VMTSKGNIQIKSAKKAEVKSSEKEK   752
NTDB id 245 SPD RS03860 WP 000882517.1         KEKLVDLGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDLKA.VMTSKGNIQIKSAKKAEVKSSEKEK   752
NTDB id 243 SPR RS03635 WP 000882517.1         KEKLVDLGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDLKA.VMTSKGNIQIKSAKKAEVKSSEKEK   752
NTDB id 378 SMU RS02690 WP 002263569.1         KEKLVDLGYDPKMGARPLRRTIQEHIEDAITDFYLEHPEQKELKA.IMTSNGKIVIKASNKVETVTKATSD   753
NTDB id 85 BSU 00860 NP 387967.1               KAKVAEEGVDLEYGARPLRRAIQKHVEDRLSEELLRGNIHKGQHIVLDVEDGEFVVKTTAKTN........   810
NTDB id 610 V4T04 RS10165 WP 012897346.1       VKLIAEVGFDPEYGARPLRKALQKEVEDLLSEQLLSGEIKAGNHVSIGASNKKIKIAQIV...........   816
NTDB id 287 SP RS11210 WP 001109712.1          LKLLANQGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSTLKIGVKAGQLKFDIA............   810
NTDB id 290 KZH43 RS10025 WP 001109677.1       LKLLANQGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAGQLKFDIA............   810
NTDB id 289 SPD RS10700 WP 001109677.1         LKLLANQGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAGQLKFDIA............   810
NTDB id 1139420 DQM69 RS09775 WP 019768851.1   LKLLAEHGYDPEMGARPLRRTIQTEVEDRLSELLLSGQLKADSKLKIGSHKGSLKFTIDD...........   816
NTDB id 377 SMU RS09275 WP 002262344.1         LKHLALAGYDAEMGARPLRRTLQTEVEDKLAELILSGKLASGQTLKIGIQKEKLKFDIV............   813
NTDB id 329 STU RS10020 WP 011225298.1         LKHLAKDGYDIEMGARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKDKLTFTVV............   816
NTDB id 297 STER RS00545 WP 011680614.1        LKHLAKDGYDIEMGARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKDKLTFTVV............   816
consensus                                      ** *** !*!***!!!!!!***!  *!!**** *! * *  *  * ** *** *
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X non conserved

X similar

X ≥ 50% conserved