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logo
NTDB id 281 KZH43 RS03550 WP 000882517.1        ..........................................................MLCQNCKINDS.   11
NTDB id 245 SPD RS03860 WP 000882517.1          ..........................................................MLCQNCKINDS.   11
NTDB id 243 SPR RS03635 WP 000882517.1          ..........................................................MLCQNCKINDS.   11
NTDB id 241 SP RS04015 WP 000882523.1           ..........................................................MLCQNCKINDS.   11
NTDB id 85 BSU 00860 NP 387967.1                ..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLIGRG.......   71
NTDB id 610 V4T04 RS10165 WP 012897346.1        MKFENIKYTPTLDRILEKAEEYAHQYQYGTIESAHLLAAMATTSGSIAYSLLAGMNVDSSDLLID........LEDLSSH   72
NTDB id 287 SP RS11210 WP 001109712.1           .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS   70
NTDB id 290 KZH43 RS10025 WP 001109677.1        .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS   70
NTDB id 289 SPD RS10700 WP 001109677.1          .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYS   70
NTDB id 297 STER RS00545 WP 011680614.1         ....MTIYSRKMQAIFHRAQLEAERFESPFLETWHVLLAMVEVTGSVAYLTFTDFEDRIHSEEIETAAVLAMEKRPKDLS   76
NTDB id 329 STU RS10020 WP 011225298.1          ....MTIYSRKMQAIFHRAQLEAERFESPFLETWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETAAVLAMEKRPKDLS   76
NTDB id 1128064 FGL20 RS09190 WP 093959022.1   ....MIDYSLKMQEIFKQAQYQAARFDSQYLETWHLLLAMVVVNNSLAGLVFNEFDDKVAIEEYEAAAILAMGQTPNDDV   76
NTDB id 377 SMU RS09275 WP 002262344.1          ....MTDYSLKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFEADVRFEDYQAAAILAIGKKPKSSS   76
consensus                                                **  **      *   *  *    *** ******     ***                     ***      *

logo
NTDB id 281 KZH43 RS03550 WP 000882517.1        ...TIHLYTNLNGKQKQIDLCQNCYKII...KTDPNNSLFKGM...TDLNNRDFDPFGDFFNDLN...............   67
NTDB id 245 SPD RS03860 WP 000882517.1          ...TIHLYTNLNGKQKQIDLCQNCYKII...KTDPNNSLFKGM...TDLNNRDFDPFGDFFNDLN...............   67
NTDB id 243 SPR RS03635 WP 000882517.1          ...TIHLYTNLNGKQKQIDLCQNCYKII...KTDPNNSLFKGM...TDLNNRDFDPFGDFFNDLN...............   67
NTDB id 241 SP RS04015 WP 000882523.1           ...TIHLYTNLNGKQKQIDLCQNCYKII...KTDPNNSLFKGM...TDLNNRDFDPFGDFFNDLN...............   67
NTDB id 85 BSU 00860 NP 387967.1                .QEMSQTIHYTPRAKKVIELSMDEARKLGHSYVGTEHILLGLIREGEGVAARVLNNLGVSLNKARQQVLQLLGSNET...  147
NTDB id 610 V4T04 RS10165 WP 012897346.1        VKVKRSTLRFSPRAEEVMTAASFLAIHNNSEAVGTEHLLYALLQVEDGFGLQLLKL..........QKINIVSLRKELEK  142
NTDB id 287 SP RS11210 WP 001109712.1           QDETFTELPFSRRLQVLFDEAEYVASVVHAKVLGTEHVLYAILHDSNALATRILERAGFSYEDKKD.QVKIAALRRNLEE  149
NTDB id 290 KZH43 RS10025 WP 001109677.1        QDETFTELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLYAILHDGNALATRILERAGFSYEDKKD.QVKIAALRRNLEE  149
NTDB id 289 SPD RS10700 WP 001109677.1          QDETFTELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLYAILHDGNALATRILERAGFSYEDKKD.QVKIAALRRNLEE  149
NTDB id 297 STER RS00545 WP 011680614.1         ESDIIDLRAQSPALEAMLQEAQEIASVTGAVEVGSEHVLMAFLLHKDLMVCRLLEVAGFQYKDDSD.KPRIIDLRRSLER  155
NTDB id 329 STU RS10020 WP 011225298.1          ESDIIDLRAQSPALEAMLQEAQGIASVTGAVEVGSEHVLMAFLLHKDLMVCRLLEVAGFQYKDDSD.KPRIIDLRRSLER  155
NTDB id 1128064 FGL20 RS09190 WP 093959022.1   K..EWALKGQSRTLTKILQFSDAIRQVTGAQEVGSEHVLFAILLNPDVMAARLLEMAGFKLRDEGQGDLKISDLRKAIER  154
NTDB id 377 SMU RS09275 WP 002262344.1          N..DIMLLEQSHALKRTLAEAAAISQVTHAKEVGTEHVLFAMLLNPNLLATRILELVGFHAKDDGE.SIRLLDLRKVIER  153
consensus                                            *  **     ***    *  **    ******!** *     *  ****  *  * *       *  *** **

logo
NTDB id 281 KZH43 RS03550 WP 000882517.1        ..NFRPSSNTPPIPPTQSGGGYGGNGGYGSQNRGSAQTPPPSQEKGLLEEFGINVTEIARRGDIDPVIGRDDEIIRVIEI  145
NTDB id 245 SPD RS03860 WP 000882517.1          ..NFRPSSNTPPIPPTQSGGGYGGNGGYGSQNRGSAQTPPPSQEKGLLEEFGINVTEIARRGDIDPVIGRDDEIIRVIEI  145
NTDB id 243 SPR RS03635 WP 000882517.1          ..NFRPSSNTPPIPPTQSGGGYGGNGGYGSQNRGSAQTPPPSQEKGLLEEFGINVTEIARRGDIDPVIGRDDEIIRVIEI  145
NTDB id 241 SP RS04015 WP 000882523.1           ..NFRPSSNTPPIPPTQSGGGYGGNGGYGSQNRGSAQTPPPSQEKGLLEEFGINVTEIARRGDIDPVIGRDDEIIRVIEI  145
NTDB id 85 BSU 00860 NP 387967.1                ..G.............................SSAAGTNSNANTPTLDSLARDLTAIAKEDSLDPVIGRSKEIQRVIEV  195
NTDB id 610 V4T04 RS10165 WP 012897346.1        RTGLKVPESKKAVTPMSKRKM......AKG........VAENSTTPTLDSVSSDLTEEARLGKLDPMIGREAEIDRLIHI  208
NTDB id 287 SP RS11210 WP 001109712.1           RAGWTREDLKA.LRQRHRTV.......ADKQNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEISRMIQI  221
NTDB id 290 KZH43 RS10025 WP 001109677.1        RAGWTREDLKA.LRQRHRTV.......ADKQNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEISRMIQI  221
NTDB id 289 SPD RS10700 WP 001109677.1          RAGWTREDLKA.LRQRHRTV.......ADKQNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEISRMIQI  221
NTDB id 297 STER RS00545 WP 011680614.1         NAGLSKQDLKA.IHDLRKPKK......SKASANFANMMQPPQSSTGELADYTKDLTALAESGNLDPVIGRDEEISRMIQV  228
NTDB id 329 STU RS10020 WP 011225298.1          NAGLSKQDLKA.IHDLRKPKK......SKASANFANMMQPPQSSTGELADYTKDLTALAESGNLDPIIGRDEEISRMIQV  228
NTDB id 1128064 FGL20 RS09190 WP 093959022.1   QAAYSKEIIKA.IYELRKPKK......SKAGGTFSDMMKPA.SSAGELSDFTRDLTQMASQGLLEPVIGRDKEITRMVQV  226
NTDB id 377 SMU RS09275 WP 002262344.1          YAGFSKEDIKA.IFEMRKPKK......VKNSSSFSDLMKPP.SVTGELADFTRDLTELARQGRLEPVIGREQEISRMVQI  225
consensus                                         **     *  *    *                      ** * ** !**** **!**!* * **!*!!!* !! !** *
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logo
NTDB id 281 KZH43 RS03550 WP 000882517.1      LNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPHKLQGKQVIRLDVVSLVQGTGIRGQFEERMQKLMEEIRKREDII   225
NTDB id 245 SPD RS03860 WP 000882517.1        LNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPHKLQGKQVIRLDVVSLVQGTGIRGQFEERMQKLMEEIRKREDII   225
NTDB id 243 SPR RS03635 WP 000882517.1        LNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPHKLQGKQVIRLDVVSLVQGTGIRGQFEERMQKLMEEIRKREDII   225
NTDB id 241 SP RS04015 WP 000882523.1         LNRRTKNNPVLIGEPGVGKTAVVEGLAQKIVDGDVPHKLQGKQVIRLDVVSLVQGTGIRGQFEERMQKLMEEIRKREDII   225
NTDB id 85 BSU 00860 NP 387967.1              LSRRTKNNPVLIGEPGVGKTAIAEGLAQQIINNEVPEILRDKRVMTLDMGTVVAGTKYRGEFEDRLKKVMDEIRQAGNII   275
NTDB id 610 V4T04 RS10165 WP 012897346.1      LSRRTKNNPVLVGEPGVGKSAIIEGLAQRIVNGQVPIGLMNSRIMALNMATVVAGTKFRGEFEDRLTAIVEEVSSDPDVI   288
NTDB id 287 SP RS11210 WP 001109712.1         LSRKTKNNPVLVGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVI   301
NTDB id 290 KZH43 RS10025 WP 001109677.1      LSRKTKNNPVLVGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVI   301
NTDB id 289 SPD RS10700 WP 001109677.1        LSRKTKNNPVLVGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVI   301
NTDB id 297 STER RS00545 WP 011680614.1       LSRKTKNNPVLVGEAGVGKTALALGLAQRIASGEVPFELADMRILELDMMSVVAGTRFRGDFEERMNQIIDEIEADGKII   308
NTDB id 329 STU RS10020 WP 011225298.1        LSRKTKNNPVLVGEAGVGKTALALGLAQRIASGEVPFELADMRILELDMMSVVAGTRFRGDFEERMNQIIDEIEADGKII   308
NTDB id 1128064 FGL20 RS09190 WP 093959022.1 LSRKTKNNPVLVGDAGVGKTALAYGLAQRIVEGAIPYELQDMRVLELDMMSVVAGTRFRGDFEERMNQIIDDIEADGKII   306
NTDB id 377 SMU RS09275 WP 002262344.1        LSRKTKNNPVLVGDAGVGKTALAYGLAQRIVDSAVPFELADMKVLELDMMSVVAGTRFRGDFEERMNQIIADIEADGHIV   305
consensus                                     !*!*!!!!!!!*!* !!!!*!** !!!!*!* ***!  *   *** !*****!*!!**!!*!!*!** *****  ** **
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logo
NTDB id 281 KZH43 RS03550 WP 000882517.1      LFIDEIHEIVGAGSASDGNMDAGNILKPALARGELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPTVDETITILKGI   304
NTDB id 245 SPD RS03860 WP 000882517.1        LFIDEIHEIVGAGSASDGNMDAGNILKPALARGELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPTVDETITILKGI   304
NTDB id 243 SPR RS03635 WP 000882517.1        LFIDEIHEIVGAGSASDGNMDAGNILKPALARGELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPTVDETITILKGI   304
NTDB id 241 SP RS04015 WP 000882523.1         LFIDEIHEIVGAGSASDGNMDAGNILKPALARGELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPTVDETITILKGI   304
NTDB id 85 BSU 00860 NP 387967.1              LFIDELHTLIGAGG.AEGAIDASNILKPSLARGELQCIGATTLDEYRKYIEKDAALERRFQPIQVDQPSVDESIQILQGL   354
NTDB id 610 V4T04 RS10165 WP 012897346.1      IFIDELHTIIGAGGGMDSVNDAANILKPALARGDFQMVGATTYHEYQKYIEKDEALERRLARINVDEPSPDEAIAILQGL   368
NTDB id 287 SP RS11210 WP 001109712.1         LFIDELHTIMGSGSGIDSTLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGL   381
NTDB id 290 KZH43 RS10025 WP 001109677.1      LFIDELHTIMGSGSGIDSTLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGL   381
NTDB id 289 SPD RS10700 WP 001109677.1        LFIDELHTIMGSGSGIDSTLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGL   381
NTDB id 297 STER RS00545 WP 011680614.1       LFIDELHTIIGSGSGIDSTLDAANILKPALARGTLHMVGATTQAEYQKHIEKDAALSRRFAKITIEEPSVSEAIDILNGL   388
NTDB id 329 STU RS10020 WP 011225298.1        LFIDELHTIIGSGSGIDSTLDAANILKPALARGTLHMVGATTQAEYQKHIEKDAALSRRFAKITIEEPSVSEAIDILNGL   388
NTDB id 1128064 FGL20 RS09190 WP 093959022.1 LFVDELHTIMGSGSGIDSTLDAANILKPALSRGTLHMVGATTQEEYQKHIEKDAALSRRFAKILIEEPSLEDAYKILLGL   386
NTDB id 377 SMU RS09275 WP 002262344.1        LFIDELHTIMGSGSGIDSTLDAANILKPALARGSLRTIGATTQEEYQKHIEKDAALSRRFAKVTIEEPSEEEAYQILLGL   385
consensus                                     *!*!!*!***! !***** *!!*!!!!!*!*!! * **!!!!  !!** !!!!*!! !!**** ***!****** !! !*
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logo
NTDB id 281 KZH43 RS03550 WP 000882517.1      QKKYEDYHHVQYTDAAIEAAATLSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNFV..DPKVIDQRLIEAENLKSQATREE   382
NTDB id 245 SPD RS03860 WP 000882517.1        QKKYEDYHHVQYTDAAIEAAATLSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNFV..DPKVIDQRLIEAENLKSQATREE   382
NTDB id 243 SPR RS03635 WP 000882517.1        QKKYEDYHHVQYTDAAIEAAATLSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNFV..DPKVIDQRLIEAENLKSQATREE   382
NTDB id 241 SP RS04015 WP 000882523.1         QKKYEDYHHVQYTDAAIEAAATLSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNFV..DPKVIDQRLIEAENLKSQATREE   382
NTDB id 85 BSU 00860 NP 387967.1              RDRYEAHHRVSITDDAIEAAVKLSDRYISDRFLPDKAIDLIDEAGSKVRLRSFTTPPNLKELEQKLDEVRKEKDAAVQSQ   434
NTDB id 610 V4T04 RS10165 WP 012897346.1      REKFEDYHQVKFTDQAIKSAVMLSVRYMTSRKLPDKAIDLLDEAAAAVKISVKNQQTKRLDLEKELAEAQEELSEAVIKL   448
NTDB id 287 SP RS11210 WP 001109712.1         KATYEKHHRVQITDEAVETAVKMAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDLS........PADKALMDG   453
NTDB id 290 KZH43 RS10025 WP 001109677.1      KATYEKHHRVQITDEAVETAVKMAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDLS........PADKALMDG   453
NTDB id 289 SPD RS10700 WP 001109677.1        KATYEKHHRVQITDEAVETAVKMAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDLS........PADKALMDG   453
NTDB id 297 STER RS00545 WP 011680614.1       RSSYEDYHRVTITDAAVETAVKAAHRYLTSKNLPDSAIDLLDEASATVQVRIK..KEDKREIT........PLDEALISG   458
NTDB id 329 STU RS10020 WP 011225298.1        RSSYEDYHRVTITDAAVETAVKAAHRYLTSKNLPDSAIDLLDEASATVQVRIK..KEAKREIT........PLDEALISG   458
NTDB id 1128064 FGL20 RS09190 WP 093959022.1 KSSYEMYHNVSISDQAVKVAVKVAHRYLTSKNLPDSAIDLLDEASATVQGLIK..KETPSFLS........PIDQAILDG   456
NTDB id 377 SMU RS09275 WP 002262344.1        KKSYETYHHVIISDAAVMAAVKGAHRYLSGKNLPDSAIDLLDEASATVQGLVK..KKAPAYLT........DLDHALITN   455
consensus                                     *  *! *! ! **! !** !***  !!** * !!! !!!!*!!!** *** **    *   *           * !***
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logo
NTDB id 281 KZH43 RS03550 WP 000882517.1      DFEKAAYFRDQI.......AKYKEMQKKKITDQDTPIISEKTIEHIIEQKTNIPVGDLKEKEQSQLIHLAEDLKSHVIGQ   455
NTDB id 245 SPD RS03860 WP 000882517.1        DFEKAAYFRDQI.......AKYKEMQKKKITDQDTPIISEKTIEHIIEQKTNIPVGDLKEKEQSQLIHLAEDLKSHVIGQ   455
NTDB id 243 SPR RS03635 WP 000882517.1        DFEKAAYFRDQI.......AKYKEMQKKKITDQDTPIISEKTIEHIIEQKTNIPVGDLKEKEQSQLIHLAEDLKSHVIGQ   455
NTDB id 241 SP RS04015 WP 000882523.1         DFEKAAYFRDQI.......AKYKEMQKKKITDQDTPSISEKTIEHIIEQKTNIPVGDLKEKEQSQLIHLAEDLKSHVIGQ   455
NTDB id 85 BSU 00860 NP 387967.1              EFEKAASLRDTEQRLREQVEDTKKSWKEK.QGQENSEVTVDDIAMVVSSWTGVPVSKIAQTETDKLLNMENILHSRVIGQ   513
NTDB id 610 V4T04 RS10165 WP 012897346.1      DIKASRTKEKAVEKIADKI......YKFSVKEDKRQEVTDQAVVAVASTLTGVPITQMTKSESDRLINLEKELHKRVVGQ   522
NTDB id 287 SP RS11210 WP 001109712.1         KWKQAAQLIAKE...............EEV.PVYKDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQ   517
NTDB id 290 KZH43 RS10025 WP 001109677.1      KWKQAAQLIAKE...............EEV.PVYKDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQ   517
NTDB id 289 SPD RS10700 WP 001109677.1        KWKQAAQLIAKE...............EEV.PVYKDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQ   517
NTDB id 297 STER RS00545 WP 011680614.1       DIGAAVKQYKAN...............QKAKFPKPALVDADQIMQTLSRLSGIPVEKMTQTDSKRYLNLESELHKRVIGQ   523
NTDB id 329 STU RS10020 WP 011225298.1        DIGAAVKQYKAN...............QKAKFPKPALVDADQIMQTLSRLSGIPVEKMTQTDSKRYLNLESELHKRVIGQ   523
NTDB id 1128064 FGL20 RS09190 WP 093959022.1 NFKKVASLLKAG...............QKT.KPNPTPVTEDDIMATLSKLSGIPLEKISQADSQKYLRLEEELHKRVIGQ   520
NTDB id 377 SMU RS09275 WP 002262344.1        DYQLAKRLLKKE...............KKPLLKKRAEVKEEDILATLSKLSGIPVKKLTQADSKKYLNLERELHKRVIGQ   520
consensus                                     **  **                        **      ****  **  ** ****!* **** *  * **** *!***!*!!
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logo
NTDB id 281 KZH43 RS03550 WP 000882517.1      DDAVDKIAKAIRRNRVGLGTPNRPIGSFLFVGPTGVGKTELSKQLAIELFGSADSMIRFDMSEYMEKHSVAKLVGAPPGY   535
NTDB id 245 SPD RS03860 WP 000882517.1        DDAVDKIAKAIRRNRVGLGTPNRPIGSFLFVGPTGVGKTELSKQLAIELFGSADSMIRFDMSEYMEKHSVAKLVGAPPGY   535
NTDB id 243 SPR RS03635 WP 000882517.1        DDAVDKIAKAIRRNRVGLGTPNRPIGSFLFVGPTGVGKTELSKQLAIELFGSADSMIRFDMSEYMEKHSVAKLVGAPPGY   535
NTDB id 241 SP RS04015 WP 000882523.1         DDAVDKIAKAIRRNRVGLGTPNRPIGSFLFVGPTGVGKTELSKQLAIELFGSADSMIRFDMSEYMEKHSVAKLVGAPPGY   535
NTDB id 85 BSU 00860 NP 387967.1              DEAVVAVAKAVRRARAGLKDPKRPIGSFIFLGPTGVGKTELARALAESIFGDEESMIRIDMSEYMEKHSTSRLVGSPPGY   593
NTDB id 610 V4T04 RS10165 WP 012897346.1      EEAISAVSRAIRRARSGVADSRRPMGSFMFLGPTGVGKTELAKALADSVFGSEDNMIRVDMSEFMEKHSTSRLIGAPPGY   602
NTDB id 287 SP RS11210 WP 001109712.1         DQAVSSISRAIRRNQSGIRSHKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGY   597
NTDB id 290 KZH43 RS10025 WP 001109677.1      DQAVSSISRAIRRNQSGIRSHKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGY   597
NTDB id 289 SPD RS10700 WP 001109677.1        DQAVSSISRAIRRNQSGIRSHKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGY   597
NTDB id 297 STER RS00545 WP 011680614.1       DEAVSAISRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALLRFDMSEYMEKFAASRLNGAPPGY   603
NTDB id 329 STU RS10020 WP 011225298.1        DEAVSAISRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALLRFDMSEYMEKFAASRLNGAPPGY   603
NTDB id 1128064 FGL20 RS09190 WP 093959022.1 DEAISAISRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFSASRLNGAPPGY   600
NTDB id 377 SMU RS09275 WP 002262344.1        DDAVSSISRAIRRNQSGIRVGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGY   600
consensus                                     **!** ***!*!!* *!*** *!!*!!!*!*!!!!!!!!!!***!!* *! **  **!*!!!!*!!!   **! !*!!!!
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logo
NTDB id 281 KZH43 RS03550 WP 000882517.1      VGYDEAGQLTEKVRHNPYSLILLDEVEKAHPDVMHMFLQVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..TEASVGF   613
NTDB id 245 SPD RS03860 WP 000882517.1        VGYDEAGQLTEKVRHNPYSLILLDEVEKAHPDVMHMFLQVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..TEASVGF   613
NTDB id 243 SPR RS03635 WP 000882517.1        VGYDEAGQLTEKVRHNPYSLILLDEVEKAHPDVMHMFLQVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..TEASVGF   613
NTDB id 241 SP RS04015 WP 000882523.1         VGYDEAGQLTEKVRHNPYSLILLDEVEKAHPDVMHMFLQVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..TEASVGF   613
NTDB id 85 BSU 00860 NP 387967.1              VGYDEGGQLTEKVRRKPYSVVLLDEIEKAHPDVFNILLQVLEDGRLTDSKGRTVDFRNTILIMTSNVGASELKRNKYVGF   673
NTDB id 610 V4T04 RS10165 WP 012897346.1      VGYDEGGQLTERVRNKPYSVVLLDEVEKAHPDVFNIMLQILDDGFVTDTKGRKVDFRNTIIIMTSNLGATALRDDKTVGF   682
NTDB id 287 SP RS11210 WP 001109712.1         VGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGF   677
NTDB id 290 KZH43 RS10025 WP 001109677.1      VGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGF   677
NTDB id 289 SPD RS10700 WP 001109677.1        VGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGF   677
NTDB id 297 STER RS00545 WP 011680614.1       VGYDEGGELTEKVRNKPYSVLLFDEIEKAHPDIFNILLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGF   683
NTDB id 329 STU RS10020 WP 011225298.1        VGYDEGGELTEKVRNKPYSVLLFDEIEKAHPDIFNVLLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGF   683
NTDB id 1128064 FGL20 RS09190 WP 093959022.1 VGYDEGGELTEKVRNRPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSRGRKVDFTNTIIIMTSNLGATALRDDKTVGF   680
NTDB id 377 SMU RS09275 WP 002262344.1        VGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNILLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGF   680
consensus                                     !!!*!*! !!!*!!**!!!**! !!*!!!!!!*****!!*!*!! *!!**!!*!*! **!*!!!!!*!*********!!!
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logo
                                                  GAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVNKRLSSNNIRLDVTDKVKEKLVD   688
NTDB id 245 SPD RS03860 WP 000882517.1            GAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVNKRLSSNNIRLDVTDKVKEKLVD   688
NTDB id 243 SPR RS03635 WP 000882517.1            GAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVNKRLSSNNIRLDVTDKVKEKLVD   688
NTDB id 241 SP RS04015 WP 000882523.1             GAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSKDNLLQIVELMLADVNKRLSSNNIRLDVTDKVKEKLVD   688
NTDB id 85 BSU 00860 NP 387967.1                  NVQDETQNHKDMKDKVMGELKRAFRPEFINRIDEIIVFHSLEKKHLTEIVSLMSDQLTKRLKEQDLSIELTDAAKAKVAE   753
NTDB id 610 V4T04 RS10165 WP 012897346.1          GAKNITADYSAMKSRILEELKRHYRPEFLNRIDENIVFHSLESQEIEQIVKIMSKSLIKRLAEQDIHVKLTPSAVKLIAE   762
NTDB id 287 SP RS11210 WP 001109712.1             GAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLTEKGIDLKLQASALKLLAN   757
NTDB id 290 KZH43 RS10025 WP 001109677.1          GAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLAEKGIDLKLQASALKLLAN   757
NTDB id 289 SPD RS10700 WP 001109677.1            GAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLAEKGIDLKLQASALKLLAN   757
NTDB id 297 STER RS00545 WP 011680614.1           GAQTISHNHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLEEEQLHDIVKIMVKPLISALADKGISLKFQPAALKHLAK   763
NTDB id 329 STU RS10020 WP 011225298.1            GAQTISHNHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLEEEQLHDIVKIMVKPLISALADKGISLKFQPAALKHLAK   763
NTDB id 1128064 FGL20 RS09190 WP 093959022.1     GARDISQDHQAMEKRILEELKKAYRPEFINRIDEKVVFHSLTQDDMQQVVRIMVKPLVAALEEKGIALKFQPSALKYLSE   760
NTDB id 377 SMU RS09275 WP 002262344.1            GAKSFSQDYKAMESRILEELKKVYRPEFINRIDEKVVFHNLGQEDIRHIVKIMVAPLIAHLADQGITLKFQPSALKHLAL   760
consensus                                         **          *  ****!!** **!!!*!!*!* **!**!* * *  *!**!*  **  ! *  * ***   *** **
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logo
                                                  LGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDLKAV.MTSKGNIQIKSAKKAEVKSSEKEK   752
NTDB id 281 KZH43 RS03550 WP 000882517.1          LGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDLKAV.MTSKGNIQIKSAKKAEVKSSEKEK   752
NTDB id 245 SPD RS03860 WP 000882517.1            LGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDLKAV.MTSKGNIQIKSAKKAEVKSSEKEK   752
NTDB id 243 SPR RS03635 WP 000882517.1            LGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDLKAV.MTSKGNIQIKSAKKAEVKSSEKEK   752
NTDB id 241 SP RS04015 WP 000882523.1             LGYDPKMGARPLRRTIQDYIEDTITDYYLENPSEKDLKAV.MTSKGNIQIKSAKKAEVKSSEKEK   752
NTDB id 85 BSU 00860 NP 387967.1                  EGVDLEYGARPLRRAIQKHVEDRLSEELLRGNIHKGQHIVLDVEDGEFVVKTTAKTN........   810
NTDB id 610 V4T04 RS10165 WP 012897346.1          VGFDPEYGARPLRKALQKEVEDLLSEQLLSGEIKAGNHVSIGASNKKIKIAQIV...........   816
NTDB id 287 SP RS11210 WP 001109712.1             QGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSTLKIGVKAGQLKFDIA............   810
NTDB id 290 KZH43 RS10025 WP 001109677.1          QGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAGQLKFDIA............   810
NTDB id 289 SPD RS10700 WP 001109677.1            QGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAGQLKFDIA............   810
NTDB id 297 STER RS00545 WP 011680614.1           DGYDIEMGARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKDKLTFTVV............   816
NTDB id 329 STU RS10020 WP 011225298.1            DGYDIEMGARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKDKLTFTVV............   816
NTDB id 1128064 FGL20 RS09190 WP 093959022.1     KGYDIEMGARPLRRTIQTEVEDKLSELLLSGQLASGNKLKVGLTKGKIKCDIE............   813
NTDB id 377 SMU RS09275 WP 002262344.1            AGYDAEMGARPLRRTLQTEVEDKLAELILSGKLASGQTLKIGIQKEKLKFDIV............   813
consensus                                          !*!***!!!!!!***!  *!!**** *! * *  *  * ** *** *
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X non conserved

X similar

X ≥ 50% conserved