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logo
NTDB id 85 BSU 00860 NP 387967.1              ..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLIGRG.......   71
NTDB id 610 V4T04 RS10165 WP 012897346.1      MKFENIKYTPTLDRILEKAEEYAHQYQYGTIESAHLLAAMATTSGSIAYSLLAGMNVDSSDLLIDL......E..DLSSH   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 329 STU RS10020 WP 011225298.1        ....MTIYSRKMQAIFHRAQLEAERFESPFLETWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETAAVLAMEKRPKDLS   76
NTDB id 297 STER RS00545 WP 011680614.1       ....MTIYSRKMQAIFHRAQLEAERFESPFLETWHVLLAMVEVTGSVAYLTFTDFEDRIHSEEIETAAVLAMEKRPKDLS   76
NTDB id 1037773 ACB344 RS08670 WP 011529075.1 ....MIMYSTKMQDIFRQAQFQAARFDSHYLETWHVLLAMVAVDNSLANMILSEYDAQVAIEEYEAAAILAMGKTPKEQL   76
NTDB id 377 SMU RS09275 WP 002262344.1        ....MTDYSLKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFEADVRFEDYQAAAILAIGKKPKSSS   76
consensus                                          * *********  !** !***   *****!*!****  * **!* ** **  **  ** *   *****    * *

logo
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         QDETFTELPFSRRLQVLFDEAEYVASVVHAKVLGTEHVLYAILHDSNALATRILERAGFSYEDKKDQ.VKIAALRRNLEE  149
NTDB id 290 KZH43 RS10025 WP 001109677.1      QDETFTELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLYAILHDGNALATRILERAGFSYEDKKDQ.VKIAALRRNLEE  149
NTDB id 289 SPD RS10700 WP 001109677.1        QDETFTELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLYAILHDGNALATRILERAGFSYEDKKDQ.VKIAALRRNLEE  149
NTDB id 329 STU RS10020 WP 011225298.1        ESDIIDLRAQSPALEAMLQEAQGIASVTGAVEVGSEHVLMAFLLHKDLMVCRLLEVAGFQYKDDSDK.PRIIDLRRSLER  155
NTDB id 297 STER RS00545 WP 011680614.1       ESDIIDLRAQSPALEAMLQEAQEIASVTGAVEVGSEHVLMAFLLHKDLMVCRLLEVAGFQYKDDSDK.PRIIDLRRSLER  155
NTDB id 1037773 ACB344 RS08670 WP 011529075.1 ..SRVDFRPQSKTLTNLLAFAQAISQITRDQEVGSEHVLFAILLNPDIMASRLLEIAGYQIKDSGNGQPRLADLRKAIER  154
NTDB id 377 SMU RS09275 WP 002262344.1        ..NDIMLLEQSHALKRTLAEAAAISQVTHAKEVGTEHVLFAMLLNPNLLATRILELVGFHAKDDGES.IRLLDLRKVIER  153
consensus                                       *    * ** **  ** **  ****  *  *!*!!*!****   *******!***** * *  ** **** *** ***

logo
NTDB id 85 BSU 00860 NP 387967.1              ..G.......................SSAAGTNSNANTPTLDSLARDLTAIAKEDSLDPVIGRSKEIQRVIEVLSRRTK  201
NTDB id 610 V4T04 RS10165 WP 012897346.1      RTGLKVPESKKAVTPMSKRKMAKGV........AENSTTPTLDSVSSDLTEEARLGKLDPMIGREAEIDRLIHILSRRTK  214
NTDB id 287 SP RS11210 WP 001109712.1         RAGWTREDLK.ALRQRHRT.VADKQNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEISRMIQILSRKTK  227
NTDB id 290 KZH43 RS10025 WP 001109677.1      RAGWTREDLK.ALRQRHRT.VADKQNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEISRMIQILSRKTK  227
NTDB id 289 SPD RS10700 WP 001109677.1        RAGWTREDLK.ALRQRHRT.VADKQNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEISRMIQILSRKTK  227
NTDB id 329 STU RS10020 WP 011225298.1        NAGLSKQDLK.AIHDLRKPKKSKASANFANMMQPPQSSTGELADYTKDLTALAESGNLDPIIGRDEEISRMIQVLSRKTK  234
NTDB id 297 STER RS00545 WP 011680614.1       NAGLSKQDLK.AIHDLRKPKKSKASANFANMMQPPQSSTGELADYTKDLTALAESGNLDPVIGRDEEISRMIQVLSRKTK  234
NTDB id 1037773 ACB344 RS08670 WP 011529075.1 HAGYSKEMIK.AIHELRKPKKTKTQGTFSDMMKPP.STAGELSDFTRDLTEMARQGLLESVIGRDQEVSRMIQVLSRKTK  232
NTDB id 377 SMU RS09275 WP 002262344.1        YAGFSKEDIK.AIFEMRKPKKVKNSSSFSDLMKPP.SVTGELADFTRDLTELARQGRLEPVIGREQEISRMVQILSRKTK  231
consensus                                      *!******* **  * * *  *   * ****  *** ** !*****!!!**!****!***!!!* !**!****!!!*!!

logo
NTDB id 85 BSU 00860 NP 387967.1              NNPVLIGEPGVGKTAIAEGLAQQIINNEVPEILRDKRVMTLDMGTVVAGTKYRGEFEDRLKKVMDEIRQAGNIILFIDEL  281
NTDB id 610 V4T04 RS10165 WP 012897346.1      NNPVLVGEPGVGKSAIIEGLAQRIVNGQVPIGLMNSRIMALNMATVVAGTKFRGEFEDRLTAIVEEVSSDPDVIIFIDEL  294
NTDB id 287 SP RS11210 WP 001109712.1         NNPVLVGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDEL  307
NTDB id 290 KZH43 RS10025 WP 001109677.1      NNPVLVGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDEL  307
NTDB id 289 SPD RS10700 WP 001109677.1        NNPVLVGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDEL  307
NTDB id 329 STU RS10020 WP 011225298.1        NNPVLVGEAGVGKTALALGLAQRIASGEVPFELADMRILELDMMSVVAGTRFRGDFEERMNQIIDEIEADGKIILFIDEL  314
NTDB id 297 STER RS00545 WP 011680614.1       NNPVLVGEAGVGKTALALGLAQRIASGEVPFELADMRILELDMMSVVAGTRFRGDFEERMNQIIDEIEADGKIILFIDEL  314
NTDB id 1037773 ACB344 RS08670 WP 011529075.1 NNPVLVGDAGVGKTALAYGLAQRIANGAIPYELKEMRVLELDMMSVVAGTRFRGDFEERMNQIIDDIEADGQIILFVDEL  312
NTDB id 377 SMU RS09275 WP 002262344.1        NNPVLVGDAGVGKTALAYGLAQRIVDSAVPFELADMKVLELDMMSVVAGTRFRGDFEERMNQIIADIEADGHIVLFIDEL  311
consensus                                     !!!!!*!**!!!!*!***!!!!*!*****! ********!****!!!!!**!!*!!*!********* ******!*!!!
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logo

NTDB id 85 BSU 00860 NP 387967.1                HTLIGAGG.AEGAIDASNILKPSLARGELQCIGATTLDEYRKYIEKDAALERRFQPIQVDQPSVDESIQILQGLRDRYEA   360
NTDB id 610 V4T04 RS10165 WP 012897346.1        HTIIGAGGGMDSVNDAANILKPALARGDFQMVGATTYHEYQKYIEKDEALERRLARINVDEPSPDEAIAILQGLREKFED   374
NTDB id 287 SP RS11210 WP 001109712.1           HTIMGSGSGIDSTLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGLKATYEK   387
NTDB id 290 KZH43 RS10025 WP 001109677.1        HTIMGSGSGIDSTLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGLKATYEK   387
NTDB id 289 SPD RS10700 WP 001109677.1          HTIMGSGSGIDSTLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGLKATYEK   387
NTDB id 329 STU RS10020 WP 011225298.1          HTIIGSGSGIDSTLDAANILKPALARGTLHMVGATTQAEYQKHIEKDAALSRRFAKITIEEPSVSEAIDILNGLRSSYED   394
NTDB id 297 STER RS00545 WP 011680614.1         HTIIGSGSGIDSTLDAANILKPALARGTLHMVGATTQAEYQKHIEKDAALSRRFAKITIEEPSVSEAIDILNGLRSSYED   394
NTDB id 1037773 ACB344 RS08670 WP 011529075.1   HTIMGSGSGIDSTLDAANILKPALSRGTLHMVGATTQEEYQKHIEKDAALSRRFAKILIEEPNTEDAYQILMGLKLSYET   392
NTDB id 377 SMU RS09275 WP 002262344.1          HTIMGSGSGIDSTLDAANILKPALARGSLRTIGATTQEEYQKHIEKDAALSRRFAKVTIEEPSEEEAYQILLGLKKSYET   391
consensus                                       !!**!*!*******!!*!!!!!!*!*!!**  *!!!!**!!*!*!!!!*!!*!!********!** *** !!*!!* **!

logo

NTDB id 85 BSU 00860 NP 387967.1                HHRVSITDDAIEAAVKLSDRYISDRFLPDKAIDLIDEAGSKVRLRSFTTPPNLKELEQKLDEVRKEKDAAVQSQEFEKAA   440
NTDB id 610 V4T04 RS10165 WP 012897346.1        YHQVKFTDQAIKSAVMLSVRYMTSRKLPDKAIDLLDEAAAAVKISVKNQQTKRLDLEKELAEAQEELSEAVIKLDIKASR   454
NTDB id 287 SP RS11210 WP 001109712.1           HHRVQITDEAVETAVKMAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDLS........PADKALMDGKWKQAA   459
NTDB id 290 KZH43 RS10025 WP 001109677.1        HHRVQITDEAVETAVKMAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDLS........PADKALMDGKWKQAA   459
NTDB id 289 SPD RS10700 WP 001109677.1          HHRVQITDEAVETAVKMAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDLS........PADKALMDGKWKQAA   459
NTDB id 329 STU RS10020 WP 011225298.1          YHRVTITDAAVETAVKAAHRYLTSKNLPDSAIDLLDEASATVQVRIKKE..AKREIT........PLDEALISGDIGAAV   464
NTDB id 297 STER RS00545 WP 011680614.1         YHRVTITDAAVETAVKAAHRYLTSKNLPDSAIDLLDEASATVQVRIKKE..DKREIT........PLDEALISGDIGAAV   464
NTDB id 1037773 ACB344 RS08670 WP 011529075.1   YHNVSISNEAVKTAVKMAHRYLTSKNLPDSAIDLLDEASAAVQNMVKKL..APETLT........PIDQALINGDMKKVS   462
NTDB id 377 SMU RS09275 WP 002262344.1          YHHVIISDAAVMAAVKGAHRYLSGKNLPDSAIDLLDEASATVQGLVKKK..APAYLT........DLDHALITNDYQLAK   461
consensus                                       *!*!  ****!***!!****!!****  !!!*!!!!*!!!***!*  ***        ***          *** !**  ****  *

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NTDB id 85 BSU 00860 NP 387967.1                SLRDTEQRLREQVEDTKKSWKEKQGQENSEVTVDDIAMVVSSWTGVPVSKIAQTETDKLLNMENILHSRVIGQDEAVVAV   520
NTDB id 610 V4T04 RS10165 WP 012897346.1        TKEKAVEKIADKIYK.....FSVKEDKRQEVTDQAVVAVASTLTGVPITQMTKSESDRLINLEKELHKRVVGQEEAISAV   529
NTDB id 287 SP RS11210 WP 001109712.1           QLIAK.........E.....EEVPVY.KDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQDQAVSSI   524
NTDB id 290 KZH43 RS10025 WP 001109677.1        QLIAK.........E.....EEVPVY.KDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQDQAVSSI   524
NTDB id 289 SPD RS10700 WP 001109677.1          QLIAK.........E.....EEVPVY.KDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQDQAVSSI   524
NTDB id 329 STU RS10020 WP 011225298.1          KQYKA.........N.....QKAKFPKPALVDADQIMQTLSRLSGIPVEKMTQTDSKRYLNLESELHKRVIGQDEAVSAI   530
NTDB id 297 STER RS00545 WP 011680614.1         KQYKA.........N.....QKAKFPKPALVDADQIMQTLSRLSGIPVEKMTQTDSKRYLNLESELHKRVIGQDEAVSAI   530
NTDB id 1037773 ACB344 RS08670 WP 011529075.1   RLLAK.........E.....AKGQMRKPTPVTEDDILATLSKLSGIPLEKLTQADSKKYLNLEKELHKRVIGQDAAVTAI   528
NTDB id 377 SMU RS09275 WP 002262344.1          RLLKK.........E.....KKPLLKKRAEVKEEDILATLSKLSGIPVKKLTQADSKKYLNLERELHKRVIGQDDAVSSI   527
consensus                                        ** *          *          * ** *!****** **!***!*!* ************!*!  *!!*!!*!!**!****

logo

NTDB id 85 BSU 00860 NP 387967.1                AKAVRRARAGLKDPKRPIGSFIFLGPTGVGKTELARALAESIFGDEESMIRIDMSEYMEKHSTSRLVGSPPGYVGYDEGG   600
NTDB id 610 V4T04 RS10165 WP 012897346.1        SRAIRRARSGVADSRRPMGSFMFLGPTGVGKTELAKALADSVFGSEDNMIRVDMSEFMEKHSTSRLIGAPPGYVGYDEGG   609
NTDB id 287 SP RS11210 WP 001109712.1           SRAIRRNQSGIRSHKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGG   604
NTDB id 290 KZH43 RS10025 WP 001109677.1        SRAIRRNQSGIRSHKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGG   604
NTDB id 289 SPD RS10700 WP 001109677.1          SRAIRRNQSGIRSHKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGG   604
NTDB id 329 STU RS10020 WP 011225298.1          SRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALLRFDMSEYMEKFAASRLNGAPPGYVGYDEGG   610
NTDB id 297 STER RS00545 WP 011680614.1         SRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALLRFDMSEYMEKFAASRLNGAPPGYVGYDEGG   610
NTDB id 1037773 ACB344 RS08670 WP 011529075.1   SRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDEAALIRFDMSEYMEKFAASRLNGAPPGYVGYDEGG   608
NTDB id 377 SMU RS09275 WP 002262344.1          SRAIRRNQSGIRVGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGG   607
consensus                                       **!*!!***!***  *!!*!!!*!!!!!!!!!!!!!!*!!!***!**!****!*!!!!*!!!***!!!*!*!!!!!!!*!!!
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logo

NTDB id 85 BSU 00860 NP 387967.1              QLTEKVRRKPYSVVLLDEIEKAHPDVFNILLQVLEDGRLTDSKGRTVDFRNTILIMTSNVGASELKRNKYVGFNVQDEIQ   680
NTDB id 610 V4T04 RS10165 WP 012897346.1      QLTERVRNKPYSVVLLDEVEKAHPDVFNIMLQILDDGFVTDTKGRKVDFRNTIIIMTSNLGATALRDDKTVGFGAKNITA   689
NTDB id 287 SP RS11210 WP 001109712.1         ELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKDIRF   684
NTDB id 290 KZH43 RS10025 WP 001109677.1      ELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKDIRF   684
NTDB id 289 SPD RS10700 WP 001109677.1        ELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKDIRF   684
NTDB id 329 STU RS10020 WP 011225298.1        ELTEKVRNKPYSVLLFDEIEKAHPDIFNVLLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAQTISH   690
NTDB id 297 STER RS00545 WP 011680614.1       ELTEKVRNKPYSVLLFDEIEKAHPDIFNILLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAQTISH   690
NTDB id 1037773 ACB344 RS08670 WP 011529075.1 ELTQKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGILTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGVKDIHQ   688
NTDB id 377 SMU RS09275 WP 002262344.1        ELTEKVRNKPYSVLLFDEVEKAHPDIFNILLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKSFSQ   687
consensus                                     *!!**!!*!!!!!*!*!!*!!!!!!*!!**!!*!*!!**!!**!!*!!!*!!!*!!!!!*!!**!***!*!!!******

logo

NTDB id 85 BSU 00860 NP 387967.1              NHKDMKDKVMGELKRAFRPEFINRIDEIIVFHSLEKKHLTEIVSLMSDQLTKRLKEQDLSIELTDAAKAKVAEEGVDLEY   760
NTDB id 610 V4T04 RS10165 WP 012897346.1      DYSAMKSRILEELKRHYRPEFLNRIDENIVFHSLESQEIEQIVKIMSKSLIKRLAEQDIHVKLTPSAVKLIAEVGFDPEY   769
NTDB id 287 SP RS11210 WP 001109712.1         DQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLTEKGIDLKLQASALKLLANQGYDPEM   764
NTDB id 290 KZH43 RS10025 WP 001109677.1      DQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLAEKGIDLKLQASALKLLANQGYDPEM   764
NTDB id 289 SPD RS10700 WP 001109677.1        DQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLAEKGIDLKLQASALKLLANQGYDPEM   764
NTDB id 329 STU RS10020 WP 011225298.1        NHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLEEEQLHDIVKIMVKPLISALADKGISLKFQPAALKHLAKDGYDIEM   770
NTDB id 297 STER RS00545 WP 011680614.1       NHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLEEEQLHDIVKIMVKPLISALADKGISLKFQPAALKHLAKDGYDIEM   770
NTDB id 1037773 ACB344 RS08670 WP 011529075.1 DHQAMEKRILEELRKTYRPEFINRIDEKVVFHSLTQDNMRDVVKIMVRPLITTLAEKGITLKIQPLALKHLSEVGYDEHM   768
NTDB id 377 SMU RS09275 WP 002262344.1        DYKAMESRILEELKKVYRPEFINRIDEKVVFHNLGQEDIRHIVKIMVAPLIAHLADQGITLKFQPSALKHLALAGYDAEM   767
consensus                                     *  *!* ****!** *!!!!*!!!!!**!!!*!  * * **!**!***!*  !*************!** **  !*! **

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NTDB id 85 BSU 00860 NP 387967.1              GARPLRRAIQKHVEDRLSEELLRGNIHKGQHIVLDVEDGEFVVKTTAKTN   810
NTDB id 610 V4T04 RS10165 WP 012897346.1      GARPLRKALQKEVEDLLSEQLLSGEIKAGNHVSIGASNKKIKIAQIV...   816
NTDB id 287 SP RS11210 WP 001109712.1         GARPLRRTLQTEVEDKLAELLLKGDLVAGSTLKIGVKAGQLKFDIA....   810
NTDB id 290 KZH43 RS10025 WP 001109677.1      GARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAGQLKFDIA....   810
NTDB id 289 SPD RS10700 WP 001109677.1        GARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAGQLKFDIA....   810
NTDB id 329 STU RS10020 WP 011225298.1        GARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKDKLTFTVV....   816
NTDB id 297 STER RS00545 WP 011680614.1       GARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKDKLTFTVV....   816
NTDB id 1037773 ACB344 RS08670 WP 011529075.1 GARPLRRTLQTEIEDKLSELILSREL TSGHTLKIGLSHGKLTFHIA....   814
NTDB id 377 SMU RS09275 WP 002262344.1        GARPLRRTLQTEVEDKLAELILSGKLASGQTLKIGIQKEKLKFDIV....   813
consensus                                     !!!!!!***!***!!*!*!**! **** !*******  ***** *
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X non conserved

X similar

X ≥ 50% conserved