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logo
NTDB id 85 BSU 00860 NP 387967.1          ..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLIGR........  70
NTDB id 610 V4T04 RS10165 WP 012897346.1  MKFENIKYTPTLDRILEKAEEYAHQYQYGTIESAHLLAAMATTSGSIAYSLLAGMNVDSSDLLID......L..EDLSSH  72
NTDB id 290 KZH43 RS10025 WP 001109677.1  .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLEEV.....ALELTETDYS  70
NTDB id 289 SPD RS10700 WP 001109677.1    .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLEEV.....ALELTETDYS  70
NTDB id 287 SP RS11210 WP 001109712.1     .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLEEV.....ALELTETDYS  70
NTDB id 174481 A2G56 RS06245 WP 062710487.1 ....MVKYSQKMQEVFGLSQIIATQFSCQLLESWHLLLGLISSDETIAGLTFREFDSETGENDYFAAAILASEKTFDESI  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                                      * *********  *** !  *   *****!*!****  * **!* ** **  **  **      *****    * *

logo
NTDB id 85 BSU 00860 NP 387967.1          GQEMSQTIHYTPRAKKVIELSMDEARKLGHSYVGTEHILLGLIREGEGVAARVLNNLGVSLNKARQQVLQ..L.......  141
NTDB id 610 V4T04 RS10165 WP 012897346.1  VKVKRSTLRFSPRAEEVMTAASFLAIHNNSEAVGTEHLLYALLQVEDGFGLQLLKL.........QKINIVSLRKELEKR  143
NTDB id 290 KZH43 RS10025 WP 001109677.1  QDETFTELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLYAILHDGNALATRILERAGFSYEDKKDQVKIAALRRNLEER  150
NTDB id 289 SPD RS10700 WP 001109677.1    QDETFTELPFSRRLQILFDEAEYVASVVHAKVLGTEHVLYAILHDGNALATRILERAGFSYEDKKDQVKIAALRRNLEER  150
NTDB id 287 SP RS11210 WP 001109712.1     QDETFTELPFSRRLQVLFDEAEYVASVVHAKVLGTEHVLYAILHDSNALATRILERAGFSYEDKKDQVKIAALRRNLEER  150
NTDB id 174481 A2G56 RS06245 WP 062710487.1 N..QFDLHEQSVATADILAFAEQISQITGDDEVGTEHVLMAMLLNPQMMPIRILELAGFKLKNDGEGSSIFSLRQSLEKH  154
NTDB id 377 SMU RS09275 WP 002262344.1    N..DIMLLEQSHALKRTLAEAAAISQVTHAKEVGTEHVLFAMLLNPNLLATRILELVGFHAKDDGESIRLLDLRKVIERY  154
NTDB id 329 STU RS10020 WP 011225298.1    ESDIIDLRAQSPALEAMLQEAQGIASVTGAVEVGSEHVLMAFLLHKDLMVCRLLEVAGFQYKDDSDKPRIIDLRRSLERN  156
NTDB id 297 STER RS00545 WP 011680614.1   ESDIIDLRAQSPALEAMLQEAQEIASVTGAVEVGSEHVLMAFLLHKDLMVCRLLEVAGFQYKDDSDKPRIIDLRRSLERN  156
consensus                                 * *    * ** **  ** **  ****  *  *!*!!*!****   **** **!***** * *  * ***  !** ***

logo
NTDB id 85 BSU 00860 NP 387967.1          LGSNETG...................SSAAGTNSNANTPTLDSLARDLTAIAKEDSLDPVIGRSKEIQRVIEVLSRRTKN  202
NTDB id 610 V4T04 RS10165 WP 012897346.1  TGLKVPESKKAVTPMSKRKMAKG........VAENSTTPTLDSVSSDLTEEARLGKLDPMIGREAEIDRLIHILSRRTKN  215
NTDB id 290 KZH43 RS10025 WP 001109677.1  AGWTREDLKA.LRQRHRTVA.DKQNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEISRMIQILSRKTKN  228
NTDB id 289 SPD RS10700 WP 001109677.1    AGWTREDLKA.LRQRHRTVA.DKQNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEISRMIQILSRKTKN  228
NTDB id 287 SP RS11210 WP 001109712.1     AGWTREDLKA.LRQRHRTVA.DKQNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEISRMIQILSRKTKN  228
NTDB id 174481 A2G56 RS06245 WP 062710487.1 AGFTKDQVKS.IHELKKPKRPKA.NNFTDMMKPP.STAGELSDFTRDLTAMAQAGALETVVGRDKEISRMVQVLSRKTKN  231
NTDB id 377 SMU RS09275 WP 002262344.1    AGFSKEDIKA.IFEMRKPKKVKNSSSFSDLMKPP.SVTGELADFTRDLTELARQGRLEPVIGREQEISRMVQILSRKTKN  232
NTDB id 329 STU RS10020 WP 011225298.1    AGLSKQDLKA.IHDLRKPKKSKASANFANMMQPPQSSTGELADYTKDLTALAESGNLDPIIGRDEEISRMIQVLSRKTKN  235
NTDB id 297 STER RS00545 WP 011680614.1   AGLSKQDLKA.IHDLRKPKKSKASANFANMMQPPQSSTGELADYTKDLTALAESGNLDPVIGRDEEISRMIQVLSRKTKN  235
consensus                                 *!******** *  * * *  *     ****  *** ** !*****!!!**!****!****!!**!!*!****!!!*!!!

logo
NTDB id 85 BSU 00860 NP 387967.1          NPVLIGEPGVGKTAIAEGLAQQIINNEVPEILRDKRVMTLDMGTVVAGTKYRGEFEDRLKKVMDEIRQAGNIILFIDELH  282
NTDB id 610 V4T04 RS10165 WP 012897346.1  NPVLVGEPGVGKSAIIEGLAQRIVNGQVPIGLMNSRIMALNMATVVAGTKFRGEFEDRLTAIVEEVSSDPDVIIFIDELH  295
NTDB id 290 KZH43 RS10025 WP 001109677.1  NPVLVGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDELH  308
NTDB id 289 SPD RS10700 WP 001109677.1    NPVLVGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDELH  308
NTDB id 287 SP RS11210 WP 001109712.1     NPVLVGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDELH  308
NTDB id 174481 A2G56 RS06245 WP 062710487.1 NPVLVGDAGVGKTALAYGLAQRIAGGDIPYELRDMRVLELDMMSVVAGTRFRGDFEERMNQIIEDIETDGHIILFVDEMH  311
NTDB id 377 SMU RS09275 WP 002262344.1    NPVLVGDAGVGKTALAYGLAQRIVDSAVPFELADMKVLELDMMSVVAGTRFRGDFEERMNQIIADIEADGHIVLFIDELH  312
NTDB id 329 STU RS10020 WP 011225298.1    NPVLVGEAGVGKTALALGLAQRIASGEVPFELADMRILELDMMSVVAGTRFRGDFEERMNQIIDEIEADGKIILFIDELH  315
NTDB id 297 STER RS00545 WP 011680614.1   NPVLVGEAGVGKTALALGLAQRIASGEVPFELADMRILELDMMSVVAGTRFRGDFEERMNQIIDEIEADGKIILFIDELH  315
consensus                                 !!!!*!**!!!!*!***!!!!*!*****! ********!****!!!!!**!!*!!*!********* ** ***!*!!*!
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logo

NTDB id 85 BSU 00860 NP 387967.1              TLIGAGG.AEGAIDASNILKPSLARGELQCIGATTLDEYRKYIEKDAALERRFQPIQVDQPSVDESIQILQGLRDRYEAH   361
NTDB id 610 V4T04 RS10165 WP 012897346.1      TIIGAGGGMDSVNDAANILKPALARGDFQMVGATTYHEYQKYIEKDEALERRLARINVDEPSPDEAIAILQGLREKFEDY   375
NTDB id 290 KZH43 RS10025 WP 001109677.1      TIMGSGSGIDSTLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGLKATYEKH   388
NTDB id 289 SPD RS10700 WP 001109677.1        TIMGSGSGIDSTLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGLKATYEKH   388
NTDB id 287 SP RS11210 WP 001109712.1         TIMGSGSGIDSTLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGLKATYEKH   388
NTDB id 174481 A2G56 RS06245 WP 062710487.1   TIMGSGSGMDSTLDAANILKPALSRGTLHMVGATTQEEYQKHIEKDAALSRRFAKIIIEEPAVEDAFEILKGLRPSYEAY   391
NTDB id 377 SMU RS09275 WP 002262344.1        TIMGSGSGIDSTLDAANILKPALARGSLRTIGATTQEEYQKHIEKDAALSRRFAKVTIEEPSEEEAYQILLGLKKSYETY   392
NTDB id 329 STU RS10020 WP 011225298.1        TIIGSGSGIDSTLDAANILKPALARGTLHMVGATTQAEYQKHIEKDAALSRRFAKITIEEPSVSEAIDILNGLRSSYEDY   395
NTDB id 297 STER RS00545 WP 011680614.1       TIIGSGSGIDSTLDAANILKPALARGTLHMVGATTQAEYQKHIEKDAALSRRFAKITIEEPSVSEAIDILNGLRSSYEDY   395
consensus                                     !**!*!*******!!*!!!!!*!*!!**  *!!!!**!!*!*!!!!*!!*!!********!** *** !!*!!* **! *

logo

NTDB id 85 BSU 00860 NP 387967.1              HRVSITDDAIEAAVKLSDRYISDRFLPDKAIDLIDEAGSKVRLRSFTTPPNLKELEQKLDEVRKEKDAAVQSQEFEKAAS   441
NTDB id 610 V4T04 RS10165 WP 012897346.1      HQVKFTDQAIKSAVMLSVRYMTSRKLPDKAIDLLDEAAAAVKISVKNQQTKRLDLEKELAEAQEELSEAVIKLDIKASRT   455
NTDB id 290 KZH43 RS10025 WP 001109677.1      HRVQITDEAVETAVKMAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDL....S....PADKALMDGKWKQAAQ   460
NTDB id 289 SPD RS10700 WP 001109677.1        HRVQITDEAVETAVKMAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDL....S....PADKALMDGKWKQAAQ   460
NTDB id 287 SP RS11210 WP 001109712.1         HRVQITDEAVETAVKMAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDL....S....PADKALMDGKWKQAAQ   460
NTDB id 174481 A2G56 RS06245 WP 062710487.1   HHVSISDDALMTAVKAAHRYMTSKNLPDSAIDLIDEASATVQTMVKK..EVQAEL....S....PIDEALLSGDLKTVSR   461
NTDB id 377 SMU RS09275 WP 002262344.1        HHVIISDAAVMAAVKGAHRYLSGKNLPDSAIDLLDEASATVQGLVKK..KAPAYL....T....DLDHALITNDYQLAKR   462
NTDB id 329 STU RS10020 WP 011225298.1        HRVTITDAAVETAVKAAHRYLTSKNLPDSAIDLLDEASATVQVRIKK..EAKREI....T....PLDEALISGDIGAAVK   465
NTDB id 297 STER RS00545 WP 011680614.1       HRVTITDAAVETAVKAAHRYLTSKNLPDSAIDLLDEASATVQVRIKK..EDKREI....T....PLDEALISGDIGAAVK   465
consensus                                     !*! **!*!***!!****!**** !!!*!!!!*!!!***!* ***       **     *    *** !******* *

logo

NTDB id 85 BSU 00860 NP 387967.1              LRDTEQRLREQVEDTKKSWKE.KQGQENSEVTVDDIAMVVSSWTGVPVSKIAQTETDKLLNMENILHSRVIGQDEAVVAV   520
NTDB id 610 V4T04 RS10165 WP 012897346.1      KEKAVEKIADKI......YKFSVKEDKRQEVTDQAVVAVASTLTGVPITQMTKSESDRLINLEKELHKRVVGQEEAISAV   529
NTDB id 290 KZH43 RS10025 WP 001109677.1      LIAKE...............EEVPVY.KDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQDQAVSSI   524
NTDB id 289 SPD RS10700 WP 001109677.1        LIAKE...............EEVPVY.KDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQDQAVSSI   524
NTDB id 287 SP RS11210 WP 001109712.1         LIAKE...............EEVPVY.KDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQDQAVSSI   524
NTDB id 174481 A2G56 RS06245 WP 062710487.1   LLKKE...............DTLATPKIVKVSEDHIMATLSRLTGIPVEKMTQADNQKYLNLEKELHKRVIGQDTAISAI   526
NTDB id 377 SMU RS09275 WP 002262344.1        LLKKE...............KKPLLKKRAEVKEEDILATLSKLSGIPVKKLTQADSKKYLNLERELHKRVIGQDDAVSSI   527
NTDB id 329 STU RS10020 WP 011225298.1        QYKAN...............QKAKFPKPALVDADQIMQTLSRLSGIPVEKMTQTDSKRYLNLESELHKRVIGQDEAVSAI   530
NTDB id 297 STER RS00545 WP 011680614.1       QYKAN...............QKAKFPKPALVDADQIMQTLSRLSGIPVEKMTQTDSKRYLNLESELHKRVIGQDEAVSAI   530
consensus                                     *****               * *   ** *!****** **!***!*!* ************!*! *!!*!!*!!**!****

logo

NTDB id 85 BSU 00860 NP 387967.1              AKAVRRARAGLKDPKRPIGSFIFLGPTGVGKTELARALAESIFGDEESMIRIDMSEYMEKHSTSRLVGSPPGYVGYDEGG   600
NTDB id 610 V4T04 RS10165 WP 012897346.1      SRAIRRARSGVADSRRPMGSFMFLGPTGVGKTELAKALADSVFGSEDNMIRVDMSEFMEKHSTSRLIGAPPGYVGYDEGG   609
NTDB id 290 KZH43 RS10025 WP 001109677.1      SRAIRRNQSGIRSHKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGG   604
NTDB id 289 SPD RS10700 WP 001109677.1        SRAIRRNQSGIRSHKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGG   604
NTDB id 287 SP RS11210 WP 001109712.1         SRAIRRNQSGIRSHKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGG   604
NTDB id 174481 A2G56 RS06245 WP 062710487.1   SRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYDEGG   606
NTDB id 377 SMU RS09275 WP 002262344.1        SRAIRRNQSGIRVGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGG   607
NTDB id 329 STU RS10020 WP 011225298.1        SRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALLRFDMSEYMEKFAASRLNGAPPGYVGYDEGG   610
NTDB id 297 STER RS00545 WP 011680614.1       SRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALLRFDMSEYMEKFAASRLNGAPPGYVGYDEGG   610
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 290 KZH43 RS10025 WP 001109677.1  ELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKDIRF   684
NTDB id 289 SPD RS10700 WP 001109677.1    ELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKDIRF   684
NTDB id 287 SP RS11210 WP 001109712.1     ELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKDIRF   684
NTDB id 174481 A2G56 RS06245 WP 062710487.1 ELTEKVRQKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVSTDSRGRKVDFSNTLIIMTSNLGATALRDDKTVGFGAQDLSH   686
NTDB id 377 SMU RS09275 WP 002262344.1    ELTEKVRNKPYSVLLFDEVEKAHPDIFNILLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKSFSQ   687
NTDB id 329 STU RS10020 WP 011225298.1    ELTEKVRNKPYSVLLFDEIEKAHPDIFNVLLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAQTISH   690
NTDB id 297 STER RS00545 WP 011680614.1   ELTEKVRNKPYSVLLFDEIEKAHPDIFNILLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAQTISH   690
consensus                                 *!!!*!!*!!!!!*!*!!*!!!!!!*!!**!!*!*!!**!!**!!*!!!*!!**!!!!!*!!**!***!*!!!******

logo

NTDB id 85 BSU 00860 NP 387967.1          NHKDMKDKVMGELKRAFRPEFINRIDEIIVFHSLEKKHLTEIVSLMSDQLTKRLKEQDLSIELTDAAKAKVAEEGVDLEY   760
NTDB id 610 V4T04 RS10165 WP 012897346.1  DYSAMKSRILEELKRHYRPEFLNRIDENIVFHSLESQEIEQIVKIMSKSLIKRLAEQDIHVKLTPSAVKLIAEVGFDPEY   769
NTDB id 290 KZH43 RS10025 WP 001109677.1  DQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLAEKGIDLKLQASALKLLANQGYDPEM   764
NTDB id 289 SPD RS10700 WP 001109677.1    DQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLAEKGIDLKLQASALKLLANQGYDPEM   764
NTDB id 287 SP RS11210 WP 001109712.1     DQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLTEKGIDLKLQASALKLLANQGYDPEM   764
NTDB id 174481 A2G56 RS06245 WP 062710487.1 DHEAMEKRILEELKKAYRPEFINRIDEKVVFHSLTQDHMKEVVKIMVQPLIKQLAEKDIVLKFQPSALKHLAEDGYDIEM   766
NTDB id 377 SMU RS09275 WP 002262344.1    DYKAMESRILEELKKVYRPEFINRIDEKVVFHNLGQEDIRHIVKIMVAPLIAHLADQGITLKFQPSALKHLALAGYDAEM   767
NTDB id 329 STU RS10020 WP 011225298.1    NHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLEEEQLHDIVKIMVKPLISALADKGISLKFQPAALKHLAKDGYDIEM   770
NTDB id 297 STER RS00545 WP 011680614.1   NHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLEEEQLHDIVKIMVKPLISALADKGISLKFQPAALKHLAKDGYDIEM   770
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 290 KZH43 RS10025 WP 001109677.1  GARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAGQLKFDIA....   810
NTDB id 289 SPD RS10700 WP 001109677.1    GARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAGQLKFDIA....   810
NTDB id 287 SP RS11210 WP 001109712.1     GARPLRRTLQTEVEDKLAELLLKGDLVAGSTLKIGVKAGQLKFDIA....   810
NTDB id 174481 A2G56 RS06245 WP 062710487.1 GARPLRRTIQTQVEDHLAELVLSGELAAGNILKIGVKQGKLKFDMV....   812
NTDB id 377 SMU RS09275 WP 002262344.1    GARPLRRTLQTEVEDKLAELILSGKLASGQTLKIGIQKEKLKFDIV....   813
NTDB id 329 STU RS10020 WP 011225298.1    GARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKDKLTFTVV....   816
NTDB id 297 STER RS00545 WP 011680614.1   GARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKDKLTFTVV....   816
consensus                                 !!!!!!***!**!!!*!*!**!  !****!*  *****  ********
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X non conserved

X similar

X ≥ 50% conserved