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logo
NTDB id 378 SMU RS02690 WP 002263569.1     ..................................................................................  0
NTDB id 85 BSU 00860 NP 387967.1           ..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGIAAKALQALGLGSEKIQKEVESLIGR........GQEMS  75
NTDB id 610 V4T04 RS10165 WP 012897346.1   MKFENIKYTPTLDRILEKAEEYAHQYQYGTIESAHLLAAMATTSGSIAYSLLAGMNVDSSDLLI........DLEDLSSHVKVKR  77
NTDB id 290 KZH43 RS10025 WP 001109677.1   .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLEE.....VALELTETDYSQDETF  75
NTDB id 289 SPD RS10700 WP 001109677.1     .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLEE.....VALELTETDYSQDETF  75
NTDB id 287 SP RS11210 WP 001109712.1      .....MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLEE.....VALELTETDYSQDETF  75
NTDB id 329 STU RS10020 WP 011225298.1     ....MTIYSRKMQAIFHRAQLEAERFESPFLETWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETAAVLAMEKRPKDLSESDII  81
NTDB id 297 STER RS00545 WP 011680614.1    ....MTIYSRKMQAIFHRAQLEAERFESPFLETWHVLLAMVEVTGSVAYLTFTDFEDRIHSEEIETAAVLAMEKRPKDLSESDII  81
NTDB id 59084 BSA RS09345 WP 000020283.1   ....MSHYSIKLQEVFRLAQFQAARYESHYLESWHLLLAMVLVHDSVAGLTFAEYESEVAIEEYEAATILALGRAPKEEI..TDY  79
NTDB id 377 SMU RS09275 WP 002262344.1     ....MTDYSLKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFEADVRFEDYQAAAILAIGKKPKSSS..NDI  79
consensus                                        ********  *** ****   ************  * **** ** **   **   **      *****    * *   *

logo
NTDB id 378 SMU RS02690 WP 002263569.1     .MLCQNCKLNEATIHLY...ANVNGQQKQIDLCQNCYQIMKTDPENG...PLNHLSQ.QNSSSINPFFDDFFGDLNNFRAFNNQD  77
NTDB id 85 BSU 00860 NP 387967.1           QTIHYIPRAK.KVIELSMDEARKLGH.SYVGTEHILLGLIRE.GEGVAARVLNNLGVSLNKARQQVLQL.........LGSNET.  147
NTDB id 610 V4T04 RS10165 WP 012897346.1   STLRFSPRAE.EVMTAASFLAIHNNS.EAVGTEHLLYALLQV.EDGFGLQLLKL.........QKINIVSLRKELEKRTGLKVPE  150
NTDB id 290 KZH43 RS10025 WP 001109677.1   TELPFSRRLQ.ILFDEAEYVASVVHA.KVLGTEHVLYAILHD.GNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTRED  157
NTDB id 289 SPD RS10700 WP 001109677.1     TELPFSRRLQ.ILFDEAEYVASVVHA.KVLGTEHVLYAILHD.GNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTRED  157
NTDB id 287 SP RS11210 WP 001109712.1      TELPFSRRLQ.VLFDEAEYVASVVHA.KVLGTEHVLYAILHD.SNALATRILERAGFSYEDKKDQVKIAALRRNLEERAGWTRED  157
NTDB id 329 STU RS10020 WP 011225298.1     DLRAQSPALE.AMLQEAQGIASVTGA.VEVGSEHVLMAFLLH.KDLMVCRLLEVAGFQYKDDSDKPRIIDLRRSLERNAGLSKQD  163
NTDB id 297 STER RS00545 WP 011680614.1    DLRAQSPALE.AMLQEAQEIASVTGA.VEVGSEHVLMAFLLH.KDLMVCRLLEVAGFQYKDDSDKPRIIDLRRSLERNAGLSKQD  163
NTDB id 59084 BSA RS09345 WP 000020283.1   QFLEQSSALK.KILKLAENISIVVGA.EDVGTEHVLLAMLVN.KDLLATRILELVGFRGQDDGESVRMVDLRKALERHAGFTKDD  161
NTDB id 377 SMU RS09275 WP 002262344.1     MLLEQSHALK.RTLAEAAAISQVTHA.KEVGTEHVLFAMLLN.PNLLATRILELVGFHAKDDGESIRLLDLRKVIERYAGFSKED  161
consensus                                   * ** **   ** **  ******* * ************    *******!***** * *  *********** *** *******

logo
NTDB id 378 SMU RS02690 WP 002263569.1     LPN.....TPPTQAGGGNGNGGNNRRPGGPQQQASQKPNGLLEEFGINLTDIARKGEIDPVIGRDEEITRVIEILNRRTKNNPVL  157
NTDB id 85 BSU 00860 NP 387967.1           ...................G........SSAAGTNSNANTPTLDSLARDLTAIAKEDSLDPVIGRSKEIQRVIEVLSRRTKNNPVL  206
NTDB id 610 V4T04 RS10165 WP 012897346.1   SKKAVTPMSKRKMAKGV.................AENSTTPTLDSVSSDLTEEARLGKLDPMIGREAEIDRLIHILSRRTKNNPVL  219
NTDB id 290 KZH43 RS10025 WP 001109677.1   LKA.LRQRHRT.VADKQNS........MANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEISRMIQILSRKTKNNPVL  232
NTDB id 289 SPD RS10700 WP 001109677.1     LKA.LRQRHRT.VADKQNS........MANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEISRMIQILSRKTKNNPVL  232
NTDB id 287 SP RS11210 WP 001109712.1      LKA.LRQRHRT.VADKQNS........MANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEISRMIQILSRKTKNNPVL  232
NTDB id 329 STU RS10020 WP 011225298.1     LKA.IHDLRKPKKSKASAN........FANMMQPPQSSTGELADYTKDLTALAESGNLDPIIGRDEEISRMIQVLSRKTKNNPVL  239
NTDB id 297 STER RS00545 WP 011680614.1    LKA.IHDLRKPKKSKASAN........FANMMQPPQSSTGELADYTKDLTALAESGNLDPVIGRDEEISRMIQVLSRKTKNNPVL  239
NTDB id 59084 BSA RS09345 WP 000020283.1   IKA.IYELRNPKKAKSGAS........FSDMMKPP.STAGDLADFTRDLSQMAVDGEIEPVIGRDTEISRMVQVLSRKTKNNPVL  236
NTDB id 377 SMU RS09275 WP 002262344.1     IKA.IFEMRKPKKVKNSSS........FSDLMKPP.SVTGELADFTRDLTELARQGRLEPVIGREQEISRMVQILSRKTKNNPVL  236
consensus                                  *** *  * *** **   *         ****  *** ** !******!***!******!*!!!* !!*!****!*!*!!!!!!!
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logo
NTDB id 378 SMU RS02690 WP 002263569.1     IGEPGVGKTAVVEGLAQKIVDGDVPQKLHGKNVIRLDVVSLVQGTGIRGQFEERMQKLMEEIRQRQDVILFIDEIHEIVGAGSAG   242
NTDB id 85 BSU 00860 NP 387967.1           IGEPGVGKTAIAEGLAQQIINNEVPEILRDKRVMTLDMGTVVAGTKYRGEFEDRLKKVMDEIRQAGNIILFIDELHTLIGAGG.A   290
NTDB id 610 V4T04 RS10165 WP 012897346.1   VGEPGVGKSAIIEGLAQRIVNGQVPIGLMNSRIMALNMATVVAGTKFRGEFEDRLTAIVEEVSSDPDVIIFIDELHTIIGAGGGM   304
NTDB id 290 KZH43 RS10025 WP 001109677.1   VGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDELHTIMGSGSGI   317
NTDB id 289 SPD RS10700 WP 001109677.1     VGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDELHTIMGSGSGI   317
NTDB id 287 SP RS11210 WP 001109712.1      VGDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDELHTIMGSGSGI   317
NTDB id 329 STU RS10020 WP 011225298.1     VGEAGVGKTALALGLAQRIASGEVPFELADMRILELDMMSVVAGTRFRGDFEERMNQIIDEIEADGKIILFIDELHTIIGSGSGI   324
NTDB id 297 STER RS00545 WP 011680614.1    VGEAGVGKTALALGLAQRIASGEVPFELADMRILELDMMSVVAGTRFRGDFEERMNQIIDEIEADGKIILFIDELHTIIGSGSGI   324
NTDB id 59084 BSA RS09345 WP 000020283.1   VGDAGVGKTALAYGLAQRIANGNIPYELRDMRVLELDMMSVVAGTRFRGDFEERMNQIIADIEEDGHIILFIDELHTIMGSGSGI   321
NTDB id 377 SMU RS09275 WP 002262344.1     VGDAGVGKTALAYGLAQRIVDSAVPFELADMKVLELDMMSVVAGTRFRGDFEERMNQIIADIEADGHIVLFIDELHTIMGSGSGI   321
consensus                                  *!**!!!!*!***!!!!*!*****! *********!*****!*!!**!!*!!*!********* ** ***!!!!*!***!*!***

logo
NTDB id 378 SMU RS02690 WP 002263569.1     DGNMDAGNILKPALARGELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPSVAETITILKGIQPKYEDYHHVKYTDEAIEAAA   326
NTDB id 85 BSU 00860 NP 387967.1           EGAIDASNILKPSLARGELQCIGATTLDEYRKYIEKDAALERRFQPIQVDQPSVDESIQILQGLRDRYEAHHRVSITDDAIEAAV   375
NTDB id 610 V4T04 RS10165 WP 012897346.1   DSVNDAANILKPALARGDFQMVGATTYHEYQKYIEKDEALERRLARINVDEPSPDEAIAILQGLREKFEDYHQVKFTDQAIKSAV   389
NTDB id 290 KZH43 RS10025 WP 001109677.1   DSTLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGLKATYEKHHRVQITDEAVETAV   402
NTDB id 289 SPD RS10700 WP 001109677.1     DSTLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGLKATYEKHHRVQITDEAVETAV   402
NTDB id 287 SP RS11210 WP 001109712.1      DSTLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGLKATYEKHHRVQITDEAVETAV   402
NTDB id 329 STU RS10020 WP 011225298.1     DSTLDAANILKPALARGTLHMVGATTQAEYQKHIEKDAALSRRFAKITIEEPSVSEAIDILNGLRSSYEDYHRVTITDAAVETAV   409
NTDB id 297 STER RS00545 WP 011680614.1    DSTLDAANILKPALARGTLHMVGATTQAEYQKHIEKDAALSRRFAKITIEEPSVSEAIDILNGLRSSYEDYHRVTITDAAVETAV   409
NTDB id 59084 BSA RS09345 WP 000020283.1   DSTLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVLVEEPNLEDAYEILLGLKPAYEAFHNVTISDEAVMTAV   406
NTDB id 377 SMU RS09275 WP 002262344.1     DSTLDAANILKPALARGSLRTIGATTQEEYQKHIEKDAALSRRFAKVTIEEPSEEEAYQILLGLKKSYETYHHVIISDAAVMAAV   406
consensus                                  ****!!*!!!!!*!!!!*****!!!!**!!***!!!!*!!*!!********!** *** !!*!** **! *!*! **!*!***!*

logo
NTDB id 378 SMU RS02690 WP 002263569.1     NLSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNFV..DPKEIDHRLIEAENLKAQATRDEDYEKAAYFRDQIA.......KYKEMQ   402
NTDB id 85 BSU 00860 NP 387967.1           KLSDRYISDRFLPDKAIDLIDEAGSKVRLRSFTTPPNLKELEQKLDEVRKEKDAAVQSQEFEKAASLRDTEQRLREQVEDTKKSW   460
NTDB id 610 V4T04 RS10165 WP 012897346.1   MLSVRYMTSRKLPDKAIDLLDEAAAAVKISVKNQQTKRLDLEKELAEAQEELSEAVIKLDIKASRTKEKAVEKIADK......IY   468
NTDB id 290 KZH43 RS10025 WP 001109677.1   KMAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDL....S....PADKALMDGKWKQAAQLIAKE..............   465
NTDB id 289 SPD RS10700 WP 001109677.1     KMAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDL....S....PADKALMDGKWKQAAQLIAKE..............   465
NTDB id 287 SP RS11210 WP 001109712.1      KMAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDL....S....PADKALMDGKWKQAAQLIAKE..............   465
NTDB id 329 STU RS10020 WP 011225298.1     KAAHRYLTSKNLPDSAIDLLDEASATVQVRIKK..EAKREI....T....PLDEALISGDIGAAVKQYKAN..............   470
NTDB id 297 STER RS00545 WP 011680614.1    KAAHRYLTSKNLPDSAIDLLDEASATVQVRIKK..EDKREI....T....PLDEALISGDIGAAVKQYKAN..............   470
NTDB id 59084 BSA RS09345 WP 000020283.1   KVAHRYLTSKNLPDSAIDLLDEASATVQMMIKK..NAPSLL....T....EVDQAILDDDMKSASKALKAS..............   467
NTDB id 377 SMU RS09275 WP 002262344.1     KGAHRYLSGKNLPDSAIDLLDEASATVQGLVKK..KAPAYL....T....DLDHALITNDYQLAKRLLKKE..............   467
consensus                                  ****!!**** !!!*!!!!*!!!********     *  **    *    *** !******* ** *** *
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logo
NTDB id 378 SMU RS02690 WP 002263569.1    SAKLDKENTPVITEKNIEVIVEQKTNIPVGELKEKEQSQLIHLADDLKTRVIGQDAAVDKIAKAIRRNRVGLGTPNRPIGSFLFV   487
NTDB id 85 BSU 00860 NP 387967.1          KEK.QGQENSEVTVDDIAMVVSSWTGVPVSKIAQTETDKLLNMENILHSRVIGQDEAVVAVAKAVRRARAGLKDPKRPIGSFIFL   544
NTDB id 610 V4T04 RS10165 WP 012897346.1  KFSVKEDKRQEVTDQAVVAVASTLTGVPITQMTKSESDRLINLEKELHKRVVGQEEAISAVSRAIRRARSGVADSRRPMGSFMFL   553
NTDB id 290 KZH43 RS10025 WP 001109677.1  .EEVP.VYKDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQDQAVSSISRAIRRNQSGIRSHKRPIGSFMFL   548
NTDB id 289 SPD RS10700 WP 001109677.1    .EEVP.VYKDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQDQAVSSISRAIRRNQSGIRSHKRPIGSFMFL   548
NTDB id 287 SP RS11210 WP 001109712.1     .EEVP.VYKDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQDQAVSSISRAIRRNQSGIRSHKRPIGSFMFL   548
NTDB id 329 STU RS10020 WP 011225298.1    .QKAKFPKPALVDADQIMQTLSRLSGIPVEKMTQTDSKRYLNLESELHKRVIGQDEAVSAISRAIRRNQSGIRTGKRPIGSFMFL   554
NTDB id 297 STER RS00545 WP 011680614.1   .QKAKFPKPALVDADQIMQTLSRLSGIPVEKMTQTDSKRYLNLESELHKRVIGQDEAVSAISRAIRRNQSGIRTGKRPIGSFMFL   554
NTDB id 59084 BSA RS09345 WP 000020283.1  .HKDKKRKPIAVTEDHIMATLSRLSGIPVEKLTQADSKKYLNLEKELHKRVIGQDDAVTAISRAIRRNQSGIRTGKRPIGSFMFL   551
NTDB id 377 SMU RS09275 WP 002262344.1    .KKPLLKKRAEVKEEDILATLSKLSGIPVKKLTQADSKKYLNLERELHKRVIGQDDAVSSISRAIRRNQSGIRVGKRPIGSFMFL   551
consensus                                   **   ** ******** ********!* ************** *!**!!*!!**!******!*!!***!***  *!!*!!!*!*

logo
NTDB id 378 SMU RS02690 WP 002263569.1    GPTGVGKTELSKQLAIELFGSEDSMIRFDMSEYMEKHAVAKLVGAPPGYVGYEEAGQLTEKVRRNPYSLILLDEVEKAHPDVMHM   572
NTDB id 85 BSU 00860 NP 387967.1          GPTGVGKTELARALAESIFGDEESMIRIDMSEYMEKHSTSRLVGSPPGYVGYDEGGQLTEKVRRKPYSVVLLDEIEKAHPDVFNI   629
NTDB id 610 V4T04 RS10165 WP 012897346.1  GPTGVGKTELAKALADSVFGSEDNMIRVDMSEFMEKHSTSRLIGAPPGYVGYDEGGQLTERVRNKPYSVVLLDEVEKAHPDVFNI   638
NTDB id 290 KZH43 RS10025 WP 001109677.1  GPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNV   633
NTDB id 289 SPD RS10700 WP 001109677.1    GPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNV   633
NTDB id 287 SP RS11210 WP 001109712.1     GPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNV   633
NTDB id 329 STU RS10020 WP 011225298.1    GPTGVGKTELAKALAEVLFDDESALLRFDMSEYMEKFAASRLNGAPPGYVGYDEGGELTEKVRNKPYSVLLFDEIEKAHPDIFNV   639
NTDB id 297 STER RS00545 WP 011680614.1   GPTGVGKTELAKALAEVLFDDESALLRFDMSEYMEKFAASRLNGAPPGYVGYDEGGELTEKVRNKPYSVLLFDEIEKAHPDIFNI   639
NTDB id 59084 BSA RS09345 WP 000020283.1  GPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYDEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNV   636
NTDB id 377 SMU RS09275 WP 002262344.1    GPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNI   636
consensus                                 !!!!!!!!!!***!!***!**!****!*!!!!*!!!*****!*!*!!!!!!!*!*!*!!!*!!**!!!**!*!!*!!!!!!****

logo
NTDB id 378 SMU RS02690 WP 002263569.1    FLQVLDDGRLTDGQGRTVSFKDTIIIMTSNAGTGK..SEANVGFGASREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFQAL   650
NTDB id 85 BSU 00860 NP 387967.1          LLQVLEDGRLTDSKGRTVDFRNTILIMTSNVGASELKRNKYVGFNVQDETQNHKDMKDKVMGELKRAERPEFINRIDEIIVFHSL   714
NTDB id 610 V4T04 RS10165 WP 012897346.1  MLQILDDGFVTDTKGRKVDFRNTIIIMTSNLGATALRDDKTVGFGAKNITADYSAMKSRILEELKRHYRPEFLNRIDENIVFHSL   723
NTDB id 290 KZH43 RS10025 WP 001109677.1  LLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSL   718
NTDB id 289 SPD RS10700 WP 001109677.1    LLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSL   718
NTDB id 287 SP RS11210 WP 001109712.1     LLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSL   718
NTDB id 329 STU RS10020 WP 011225298.1    LLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAQTISHNHQAMQARIMEELKKSYRPEFINRIDEKVVFHSL   724
NTDB id 297 STER RS00545 WP 011680614.1   LLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAQTISHNHQAMQARIMEELKKSYRPEFINRIDEKVVFHSL   724
NTDB id 59084 BSA RS09345 WP 000020283.1  LLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKDISHDYTAMQKRIMEELKKAYRPEFINRIDEKVVFHSL   721
NTDB id 377 SMU RS09275 WP 002262344.1    LLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKSFSQDYKAMESRILEELKKVYRPEFINRIDEKVVFHNL   721
consensus                                 *!!*!*!!**!!**!!*!*!**!!*!!!!!*!********!!!****** *  **  ****!!*****!!!*!!*!****!**!
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logo
NTDB id 378 SMU RS02690 WP 002263569.1     SKDNLLQIVSLMLDDVNQRLAVNAIHLDVTDKVKEKLVDLGYDPKMGARPLRRTIQEHIEDAITDFYLEHPEQKEL.KAIMTSNG   734
NTDB id 85 BSU 00860 NP 387967.1           EKKHLTEIVSLMSDQLTKRLKEQDLSIELTDAAKAKVAEEGVDLEYGARPLRRAIQKHVEDRLSEELLRGNIHKGQHIVLDVEDG   799
NTDB id 610 V4T04 RS10165 WP 012897346.1   ESQEIEQIVKIMSKSLIKRLAEQDIHVKLTPSAVKLIAEVGFDPEYGARPLRKALQKEVEDLLSEQLLSGEIKAGNHVSIGASNK   808
NTDB id 290 KZH43 RS10025 WP 001109677.1   SSDHMQEVVKIMVKPLVASLAEKGIDLKLQASALKLLANQGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAG   803
NTDB id 289 SPD RS10700 WP 001109677.1     SSDHMQEVVKIMVKPLVASLAEKGIDLKLQASALKLLANQGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAG   803
NTDB id 287 SP RS11210 WP 001109712.1      SSDHMQEVVKIMVKPLVASLTEKGIDLKLQASALKLLANQGYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSTLKIGVKAG   803
NTDB id 329 STU RS10020 WP 011225298.1     EEEQLHDIVKIMVKPLISALADKGISLKFQPAALKHLAKDGYDIEMGARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKD   809
NTDB id 297 STER RS00545 WP 011680614.1    EEEQLHDIVKIMVKPLISALADKGISLKFQPAALKHLAKDGYDIEMGARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKD   809
NTDB id 59084 BSA RS09345 WP 000020283.1   SQDNMREVVKIMVKPLILALKDKGMDLKFQPSALKHLAEDGYDIEMGARPLRRTIQTQVEDHLSELLLANQVKEGQVIKIGVSKG   806
NTDB id 377 SMU RS09275 WP 002262344.1     GQEDIRHIVKIMVAPLIAHLADQGITLKFQPSALKHLALAGYDAEMGARPLRRTLQTEVEDKLAELILSGKLASGQTLKIGIQKE   806
consensus                                  * * * **!**!*****  !***** ********* **  !*!***!!!!!!***!***!!******! * ** ** ****** *

logo
NTDB id 378 SMU RS02690 WP 002263569.1     KIVIKASNKVETVTKATSD   753
NTDB id 85 BSU 00860 NP 387967.1           EFVVKTTAKTN........   810
NTDB id 610 V4T04 RS10165 WP 012897346.1   KIKIAQIV...........   816
NTDB id 290 KZH43 RS10025 WP 001109677.1   QLKFDIA............   810
NTDB id 289 SPD RS10700 WP 001109677.1     QLKFDIA............   810
NTDB id 287 SP RS11210 WP 001109712.1      QLKFDIA............   810
NTDB id 329 STU RS10020 WP 011225298.1     KLTFTVV............   816
NTDB id 297 STER RS00545 WP 011680614.1    KLTFTVV............   816
NTDB id 59084 BSA RS09345 WP 000020283.1   KLKFDIAKS..........   815
NTDB id 377 SMU RS09275 WP 002262344.1     KLKFDIV............   813
consensus                                  ******
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X non conserved

X similar

X ≥ 50% conserved