logo

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NTDB id 610 V4T04 RS10165 WP 012897346.1    MKFENIKYTPTLDRILEKAEEYAHQYQYGTIESAHLLAAMATTSGSIAYSLLAGMNVDSSDLLIDL.........EDLSSH  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 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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NTDB id 287 SP RS11210 WP 001109712.1       QDETFTELPFSRRL.QVLFDEAEYVASVVH.AKVLGTEHVLYAILHD..SNALATRILERAGFSYEDKKDQVKIAALRRN  146
NTDB id 290 KZH43 RS10025 WP 001109677.1    QDETFTELPFSRRL.QILFDEAEYVASVVH.AKVLGTEHVLYAILHD..GNALATRILERAGFSYEDKKDQVKIAALRRN  146
NTDB id 289 SPD RS10700 WP 001109677.1      QDETFTELPFSRRL.QILFDEAEYVASVVH.AKVLGTEHVLYAILHD..GNALATRILERAGFSYEDKKDQVKIAALRRN  146
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NTDB id 297 STER RS00545 WP 011680614.1     ESDIIDLRAQSPAL.EAMLQEAQEIASVTG.AVEVGSEHVLMAFLLH..KDLMVCRLLEVAGFQYKDDSDKPRIIDLRRS  152
consensus                                      *  * * ***** * *****  ****   ** ***********      **** **** *** * *  ****** ***
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NTDB id 100301 AACH30 RS01740 WP 265150872.1 LEQKAYLRVPERRKAVTP.ASK..RN.......LSGK.VSETTTPTLDTVSTDLTKAAREGKLDPMIGRERELVERLIHI  208
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NTDB id 287 SP RS11210 WP 001109712.1       LEERAGWTREDLK.ALRQ.RHR..TV.ADKQNSMANMMGMPQTPSGGLEDYTHDLTEQARSGKLEPVIGRDKEISRMIQI  221
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NTDB id 297 STER RS00545 WP 011680614.1     LERNAGLSKQDLK.AIHD.LRK..PKKSKASANFANMMQPPQSSTGELADYTKDLTALAESGNLDPVIGRDEEISRMIQV  228
consensus                                   ** ****** *** **      *           *****  *** ** !**** *!!**!******!*!!!**!**!****
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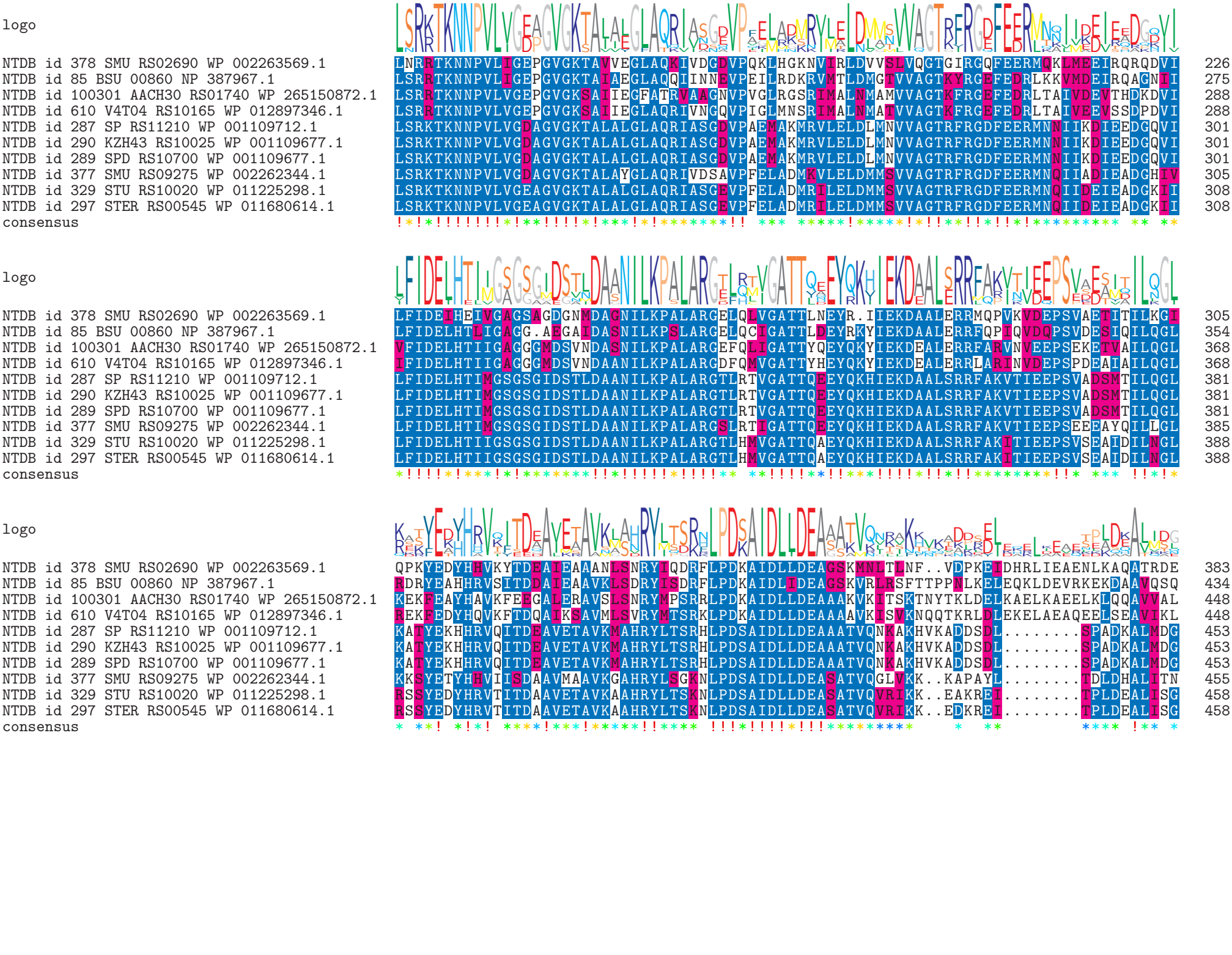
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NTDB id 610 V4T04 RS10165 WP 012897346.1 LSRRTKNNPVLVGEPGVGKSAIIEGLAQRIVNGQVPIGLMNSRIMALNMATVVAGTKFRGEFEDRLTAIVEEVSSDPDVI 288
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NTDB id 329 STU RS10020 WP 011225298.1 LSRKTKNNPVLVGEAGVGKTALALGLAQRIASGEVPFELADMRILELDMMSVVAGTRFRGDFEERMNQIIDEIEADGKII 308
NTDB id 297 STER RS00545 WP 011680614.1 LSRKTKNNPVLVGEAGVGKTALALGLAQRIASGEVPFELADMRILELDMMSVVAGTRFRGDFEERMNQIIDEIEADGKII 308
consensus
logo
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NTDB id 100301 AACH30 RS01740 WP 265150872.1 VFIDELHTIIGAGGGMDSVNDASNILKPALARGEFQLIGATTYQEYQKYIEKDEALERRFARVNVEEPSEKETVAILQGL 368
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NTDB id 329 STU RS10020 WP 011225298.1 LFIDELHTIIGSGSGIDSTLDAANILKPALARGTLHMVGATTQAEYQKHIEKDAALSRRFAKITIEEPSVSEAIDILNGL 388
NTDB id 297 STER RS00545 WP 011680614.1 LFIDELHTIIGSGSGIDSTLDAANILKPALARGTLHMVGATTQAEYQKHIEKDAALSRRFAKITIEEPSVSEAIDILNGL 388
consensus
logo
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NTDB id 289 SPD RS10700 WP 001109677.1 KATYEKHHRVQITDEAVETAVKMAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDL.....SPADKALMDG 453
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NTDB id 329 STU RS10020 WP 011225298.1 RSSYEDYHRVTITDAAVETAVKAAHRYLTSKNLPDSAIDLLDEASATVQVRIKK..EAKREI.....TPLDEALISG 458
NTDB id 297 STER RS00545 WP 011680614.1 RSSYEDYHRVTITDAAVETAVKAAHRYLTSKNLPDSAIDLLDEASATVQVRIKK..EDKREI.....TPLDEALISG 458
consensus

logo

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NTDB id 85 BSU 00860 NP 387967.1            EFEKAASLRDTEQRLREQVEDTKKSWKEKQGQENSEVTVDDIAMVVSSWTGVPVSKIAQTETDKLLNMENILHSRVIGQD  514
NTDB id 100301 AACH30 RS01740 WP 265150872.1 DIVEAQGIEKDIERLTHKIDNFTV.....SENDNPLVEESDIYAVVSNLTGIPLQQMTKTESERLINLEKELHQRVVGQE  523
NTDB id 610 V4T04 RS10165 WP 012897346.1    DIKASRTKEKAVEKIADKIYKFSV.....KEDKRQEVTDQAVVAVASTLTGVPITQMTKSESDRLINLEKELHKRVVGQE  523
NTDB id 287 SP RS11210 WP 001109712.1       KWKQAAQLIAK.........EEEV.....P.VYKDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQD  518
NTDB id 290 KZH43 RS10025 WP 001109677.1    KWKQAAQLIAK.........EEEV.....P.VYKDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQD  518
NTDB id 289 SPD RS10700 WP 001109677.1      KWKQAAQLIAK.........EEEV.....P.VYKDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQD  518
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NTDB id 329 STU RS10020 WP 011225298.1      DIGAAVKQYKA.........NQKA.....KFPKPALVDADQIMQTLSRLSGIPVEKMTQTDSKRYLNLESELHKRVIGQD  524
NTDB id 297 STER RS00545 WP 011680614.1     DIGAAVKQYKA.........NQKA.....KFPKPALVDADQIMQTLSRLSGIPVEKMTQTDSKRYLNLESELHKRVIGQD  524
consensus                                   **  ** * *           * **          * **** *** **********!* ***************  *!**!!*!!*
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NTDB id 100301 AACH30 RS01740 WP 265150872.1 EAISAVSRAIRRARSGIADTRRPLGSFMFLGPTGVGKTELAKALAESVFGSEENMIRVDMSEFMEKFSTSRLIGAPPGYV  603
NTDB id 610 V4T04 RS10165 WP 012897346.1    EAISAVSRAIRRARSGVADSRRPMGSFMFLGPTGVGKTELAKALADSVFGSEDNMIRVDMSEFMEKHSTSRLIGAPPGYV  603
NTDB id 287 SP RS11210 WP 001109712.1       QAVSSISRAIRRNQSGIRSHKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYV  598
NTDB id 290 KZH43 RS10025 WP 001109677.1    QAVSSISRAIRRNQSGIRSHKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYV  598
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NTDB id 377 SMU RS09275 WP 002262344.1      DAVSSISRAIRRNQSGIRVGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYV  601
NTDB id 329 STU RS10020 WP 011225298.1      EAVSAISRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALLRFDMSEYMEKFAASRLNGAPPGYV  604
NTDB id 297 STER RS00545 WP 011680614.1     EAVSAISRAIRRNQSGIRTGKRPIGSFMFLGPTGVGKTELAKALAEVLFDDESALLRFDMSEYMEKFAASRLNGAPPGYV  604
consensus                                   *!*******!*!!***!***  *!!*!!!*!*!!!!!!!!!!!***!!***!**!****!*!!!!*!!!******!*!*!!!!!
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NTDB id 85 BSU 00860 NP 387967.1            GYDEGGQLTEKVRRKPYSVVLLDEIEKAHPDVFNILLQVLEDGRLTDSKGRTVDFRNTILIMTSNVGASELKRNKYVGFN  674
NTDB id 100301 AACH30 RS01740 WP 265150872.1 GYDEGGQLTEQVRNKPYSVILLDEVEKAHPDIFNIMLQILDDGFVTDTKGRKVDFRNTIIIMTSNLGATAIRDDKTVGFG  683
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NTDB id 287 SP RS11210 WP 001109712.1       GYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFG  678
NTDB id 290 KZH43 RS10025 WP 001109677.1    GYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFG  678
NTDB id 289 SPD RS10700 WP 001109677.1      GYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNVLLQVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFG  678
NTDB id 377 SMU RS09275 WP 002262344.1      GYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNILLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFG  681
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NTDB id 297 STER RS00545 WP 011680614.1     GYDEGGELTEKVRNKPYSVLLFDEIEKAHPDIFNILLQVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFG  684
consensus                                   !!*!*!*!!!*!!**!!!**!*!!*!!!!!!*****!!*!*!!**!!**!!*!*!**!!*!!!!!*!*********!!!*
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NTDB id 100301 AACH30 RS01740 WP 265150872.1 AKSISTDYAAMKARIMEELKKQYRPEFLNRIDETIVFHSLTEKEIEQVVKIMSKSLVSRLKDQNITVKFTPAALKVIADK   763
NTDB id 610 V4T04 RS10165 WP 012897346.1    AKNITADYSAMKSRILEELKRHYRPEFLNRIDENIVFHSLESQEIEQIVKIMSKSLIKRLAEQDIHVKLTPSAVKLIAEV   763
NTDB id 287 SP RS11210 WP 001109712.1       AKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLTEKGIDLKLQASALKLLANQ   758
NTDB id 290 KZH43 RS10025 WP 001109677.1    AKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLAEKGIDLKLQASALKLLANQ   758
NTDB id 289 SPD RS10700 WP 001109677.1      AKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSSDHMQEVVKIMVKPLVASLAEKGIDLKLQASALKLLANQ   758
NTDB id 377 SMU RS09275 WP 002262344.1      AKSFSQDYKAMESRILEELKKVYRPEFINRIDEKVVFHNLGQEDIRHIVKIMVAPLIAHLADQGITLKFQPSALKHLALA   761
NTDB id 329 STU RS10020 WP 011225298.1      AQTISHNHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLEEEQLHDIVKIMVKPLISALADKGISLKFQPAALKHLAKD   764
NTDB id 297 STER RS00545 WP 011680614.1     AQTISHNHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLEEEQLHDIVKIMVKPLISALADKGISLKFQPAALKHLAKD   764
consensus                                   ** ** *  **  ****!!** **!!!*!!*!****!**!* * * **!**!*****  !**********************
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NTDB id 378 SMU RS02690 WP 002263569.1      GYDPKMGARPLRRTIQEHIEDAITDFYLEHPEQKE.LKAIMTSNGKIVIKASNKVETVTKATSD   753
NTDB id 85 BSU 00860 NP 387967.1            GVDLEYGARPLRRAIQKHVEDRLSEELLRGNIHKGQHIVLDVEDGEFVVKTTAKTN........   810
NTDB id 100301 AACH30 RS01740 WP 265150872.1 GFDPEYGARPLRKALQREVEDTLSEQLLAGDIHPGDTISIGSSNKKIRISVID...........   816
NTDB id 610 V4T04 RS10165 WP 012897346.1    GFDPEYGARPLRKALQKEVEDLLSEQLLSGEIKAGNHVSIGASNKKIKIAQIV...........   816
NTDB id 287 SP RS11210 WP 001109712.1       GYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSTLKIGVKAGQLKFDIA...........   810
NTDB id 290 KZH43 RS10025 WP 001109677.1    GYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAGQLKFDIA...........   810
NTDB id 289 SPD RS10700 WP 001109677.1      GYDPEMGARPLRRTLQTEVEDKLAELLLKGDLVAGSILKIGVKAGQLKFDIA...........   810
NTDB id 377 SMU RS09275 WP 002262344.1      GYDAEMGARPLRRTLQTEVEDKLAELILSGKLASGQTLKIGIQKEKLKFDIV...........   813
NTDB id 329 STU RS10020 WP 011225298.1      GYDIEMGARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKDKLTFTVV...........   816
NTDB id 297 STER RS00545 WP 011680614.1     GYDIEMGARPLRRTIQTQVEDKLSELLLGGQVVSGQTLKIGCSKDKLTFTVV...........   816
consensus                                   !*!***!!!!!!***!***!!*******!  ****  *********  *****  **
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X non conserved

X similar

X ≥ 50% conserved