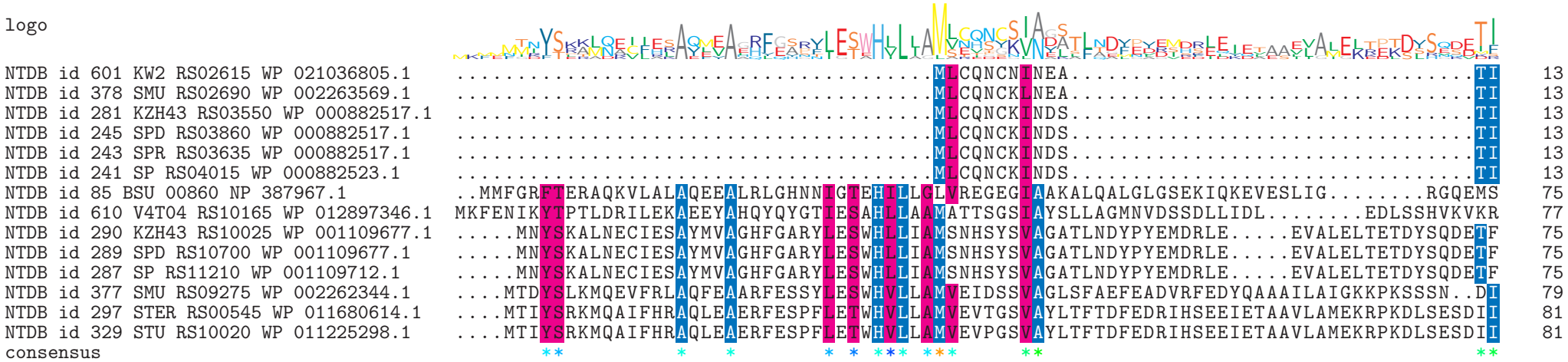
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NTDB id 290 KZH43 RS10025 WP 001109677.1 75
NTDB id 289 SPD RS10700 WP 001109677.1 75
NTDB id 287 SP RS11210 WP 001109712.1 75
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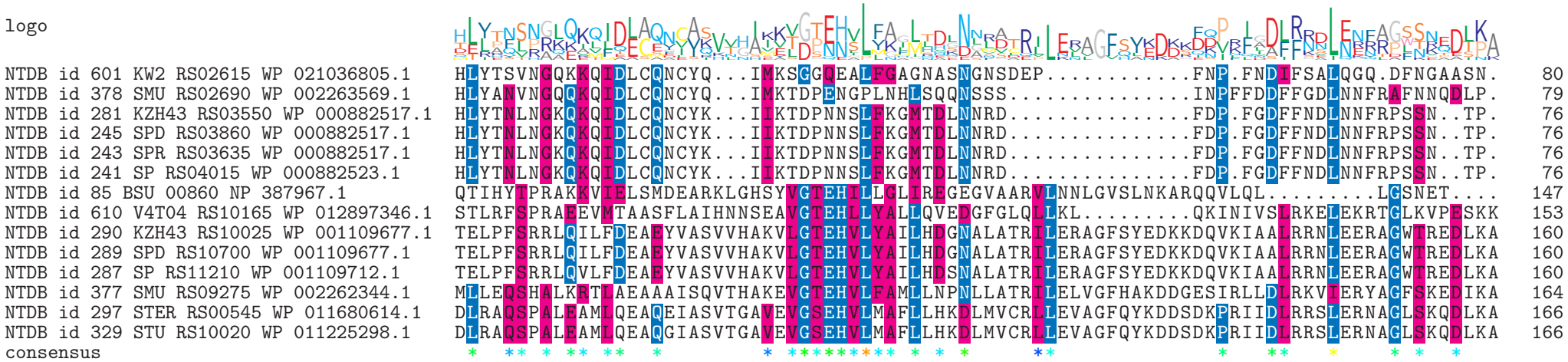
consensus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NTDB id 241 SP RS04015 WP 000882523.1 76
NTDB id 85 BSU 00860 NP 387967.1 147
NTDB id 610 V4T04 RS10165 WP 012897346.1 153
NTDB id 290 KZH43 RS10025 WP 001109677.1 160
NTDB id 289 SPD RS10700 WP 001109677.1 160
NTDB id 287 SP RS11210 WP 001109712.1 160
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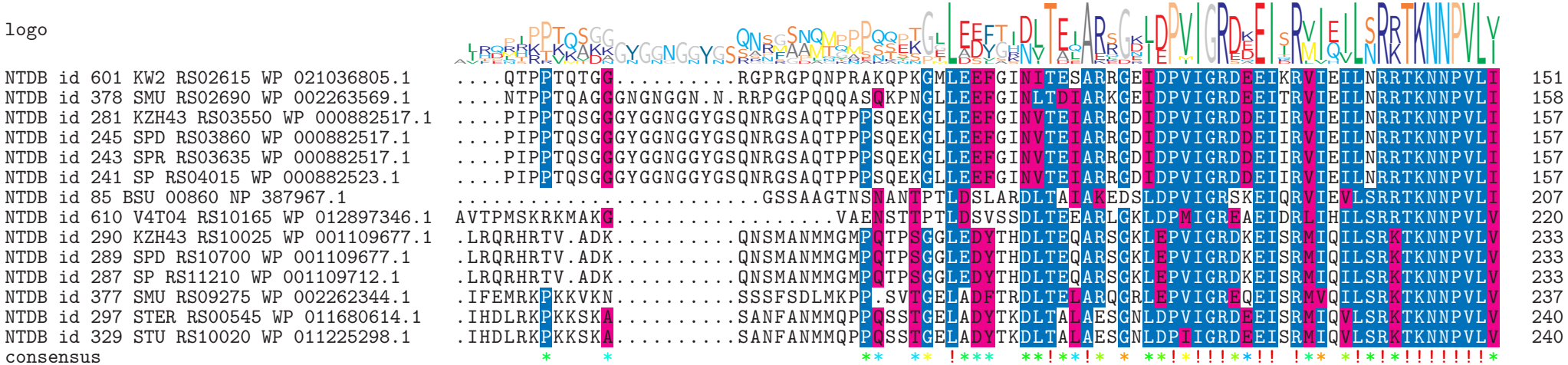
consensus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NTDB id 241 SP RS04015 WP 000882523.1 157
NTDB id 85 BSU 00860 NP 387967.1 207
NTDB id 610 V4T04 RS10165 WP 012897346.1 220
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NTDB id 289 SPD RS10700 WP 001109677.1 233
NTDB id 287 SP RS11210 WP 001109712.1 233
NTDB id 377 SMU RS09275 WP 002262344.1 237
NTDB id 297 STER RS00545 WP 011680614.1 240
NTDB id 329 STU RS10020 WP 011225298.1 240
consensus

logo

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NTDB id 281 KZH43 RS03550 WP 000882517.1   GEPGVGKTAVVEGLAQKIVDGDVPHKLQGKQVIRLDVVSLVQGTGIRGQFEERMQKLMEEIRKREDIILFIDEIHEIVGAGSASD 242
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NTDB id 241 SP RS04015 WP 000882523.1      GEPGVGKTAVVEGLAQKIVDGDVPHKLQGKQVIRLDVVSLVQGTGIRGQFEERMQKLMEEIRKREDIILFIDEIHEIVGAGSASD 242
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NTDB id 610 V4T04 RS10165 WP 012897346.1   GEPGVGKSAIIEGLAQRIVNGQVPIGLMNSRIMALNMATVVAGTKFRGEFEDRLTAIVEEVSSDPDVIIFIDELHTIIGAGGGMD 305
NTDB id 290 KZH43 RS10025 WP 001109677.1   GDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDELHTIMGSGSGID 318
NTDB id 289 SPD RS10700 WP 001109677.1     GDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDELHTIMGSGSGID 318
NTDB id 287 SP RS11210 WP 001109712.1      GDAGVGKTALALGLAQRIASGDVPAEMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDELHTIMGSGSGID 318
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NTDB id 297 STER RS00545 WP 011680614.1    GEAGVGKTALALGLAQRIASGEVPFELADMRILELDMMSVVAGTRFRGDFEERMNQIIDEIEADGKIILFIDELHTIIGSGSGID 325
NTDB id 329 STU RS10020 WP 011225298.1     GEAGVGKTALALGLAQRIASGEVPFELADMRILELDMMSVVAGTRFRGDFEERMNQIIDEIEADGKIILFIDELHTIIGSGSGID 325
consensus                                  !**!!!!*!* *!!!!*!* **!!   *   *** !*****!*!!**!!*!!*!** ***** ***!!!!*!***!*!** *
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logo

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NTDB id 85 BSU 00860 NP 387967.1           GAIDASNILKPSLARGELQCIGATTLDEYRKYIEKDAALERRFQPIQVDQPSVDESIQILQGLRDRYEAHHRVSITDDAIEAAVK 376
NTDB id 610 V4T04 RS10165 WP 012897346.1   SVNDAANILKPALARGDFQMVGATTYHEYQKYIEKDEALERRLARINVDEPSPDEAIAILQGLREKFEDYHQVKFTDQAIKSAVM 390
NTDB id 290 KZH43 RS10025 WP 001109677.1   STLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGLKATYEKHHRVQITDEAVETAVK 403
NTDB id 289 SPD RS10700 WP 001109677.1     STLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGLKATYEKHHRVQITDEAVETAVK 403
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NTDB id 377 SMU RS09275 WP 002262344.1     STLDAANILKPALARGSLRTIGATTQEEYQKHIEKDAALSRRFAKVTIEEPSEEEAYQILLGLKKSYETYHHVIISDAAVMAAVK 407
NTDB id 297 STER RS00545 WP 011680614.1    STLDAANILKPALARGTLHMVGATTQAEYQKHIEKDAALSRRFAKITIEEPSVSEAIDILNGLRSSYEDYHRVTITDAAVETAVK 410
NTDB id 329 STU RS10020 WP 011225298.1     STLDAANILKPALARGTLHMVGATTQAEYQKHIEKDAALSRRFAKITIEEPSVSEAIDILNGLRSSYEDYHRVTITDAAVETAVK 410
consensus                                    *!!*!!!!!*!!!!*****!!!!  !! * !!!!*!!*!!  * ***!*********!! !** **!**! !  *! !***!*
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logo

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NTDB id 241 SP RS04015 WP 000882523.1      LSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNF..VDPKVIDQRLIEAENLKSQATREEDFEKAAYFRDQIAKYKEMQK......K 403
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NTDB id 290 KZH43 RS10025 WP 001109677.1   MAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDL....S....PADKALMDGKWKQAAQLIAKEE.........E....  467
NTDB id 289 SPD RS10700 WP 001109677.1     MAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDL....S....PADKALMDGKWKQAAQLIAKEE.........E....  467
NTDB id 287 SP RS11210 WP 001109712.1      MAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDL....S....PADKALMDGKWKQAAQLIAKEE.........E....  467
NTDB id 377 SMU RS09275 WP 002262344.1     GAHRYLSGKNLPDSAIDLLDEASATVQGLVKK..KAPAYL....T....DLDHALITNDYQLAKRLLKKEK.........K....  469
NTDB id 297 STER RS00545 WP 011680614.1    AAHRYLTSKNLPDSAIDLLDEASATVQVRIKK..EDKREI....T....PLDEALISGDIGAAVKQYKANQ.........K....  472
NTDB id 329 STU RS10020 WP 011225298.1     AAHRYLTSKNLPDSAIDLLDEASATVQVRIKK..EAKREI....T....PLDEALISGDIGAAVKQYKANQ.........K....  472
consensus                                  ** !!** * !!!*!!!!*!!**  *** **    * ***   * *       !* * **  **       *  *
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logo

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NTDB id 378 SMU RS02690 WP 002263569.1     KLDKENTPVITEKNIEVIVEQKTNIPVGELKEKEQSQLIHLADDLKTRVIGQDAAVDKIAKAIRRNRVGLGTPNRPIGSFLFVGP  489
NTDB id 281 KZH43 RS03550 WP 000882517.1   KITDQDTPIISEKTIEHIIEQKTNIPVGDLKEKEQSQLIHLAEDLKSHVIGQDDAVDKIAKAIRRNRVGLGTPNRPIGSFLFVGP  488
NTDB id 245 SPD RS03860 WP 000882517.1     KITDQDTPIISEKTIEHIIEQKTNIPVGDLKEKEQSQLIHLAEDLKSHVIGQDDAVDKIAKAIRRNRVGLGTPNRPIGSFLFVGP  488
NTDB id 243 SPR RS03635 WP 000882517.1     KITDQDTPIISEKTIEHIIEQKTNIPVGDLKEKEQSQLIHLAEDLKSHVIGQDDAVDKIAKAIRRNRVGLGTPNRPIGSFLFVGP  488
NTDB id 241 SP RS04015 WP 000882523.1      KITDQDTPSISEKTIEHIIEQKTNIPVGDLKEKEQSQLIHLAEDLKSHVIGQDDAVDKIAKAIRRNRVGLGTPNRPIGSFLFVGP  488
NTDB id 85 BSU 00860 NP 387967.1           EKQGQENSEVTVDDIAMVVSSWTGVPVSKIAQTETDKLLNMENILHSRVIGQDEAVVAVAKAVRRARAGLKDPKRPIGSFIFLGP  546
NTDB id 610 V4T04 RS10165 WP 012897346.1   .VKEDKRQEVTDQAVVAVASTLTGVPITQMTKSESDRLINLEKELHKRVVGQEEAISAVSRAIRRARSGVADSRRPMGSFMFLGP  555
NTDB id 290 KZH43 RS10025 WP 001109677.1   .VPV.YKDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQDQAVSSISRAIRRNQSGIRSHKRPIGSFMFLGP  550
NTDB id 289 SPD RS10700 WP 001109677.1     .VPV.YKDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQDQAVSSISRAIRRNQSGIRSHKRPIGSFMFLGP  550
NTDB id 287 SP RS11210 WP 001109712.1      .VPV.YKDLVTESDILTTLSRLSGIPVQKLTQTDAKKYLNLEAELHKRVIGQDQAVSSISRAIRRNQSGIRSHKRPIGSFMFLGP  550
NTDB id 377 SMU RS09275 WP 002262344.1     .PLLKKRAEVKEEDILATLSKLSGIPVKKLTQADSKKYLNLERELHKRVIGQDDAVSSISRAIRRNQSGIRVGKRPIGSFMFLGP  553
NTDB id 297 STER RS00545 WP 011680614.1    .AKFPKPALVDADQIMQTLSRLSGIPVEKMTQTDSKRYLNLESELHKRVIGQDEAVSAISRAIRRNQSGIRTGKRPIGSFMFLGP  556
NTDB id 329 STU RS10020 WP 011225298.1     .AKFPKPALVDADQIMQTLSRLSGIPVEKMTQTDSKRYLNLESELHKRVIGQDEAVSAISRAIRRNQSGIRTGKRPIGSFMFLGP  556
consensus                                   *      ****   *   ***  ***!*  *   *  ******  *!* *!*!!**!*  ***!*!!** !* * *!!*!!!*!*!!
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logo

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NTDB id 378 SMU RS02690 WP 002263569.1     TGVGKTELSKQLAIELFGSEDSMIRFDMSEYMEKHAVAKLVGAPPGYVGYEEAGQLTEKVRRNPYSLILLDEVEKAHPDVMHMFL  574
NTDB id 281 KZH43 RS03550 WP 000882517.1   TGVGKTELSKQLAIELFGSADSMIRFDMSEYMEKHSVAKLVGAPPGYVGYDEAGQLTEKVRHNPYSLILLDEVEKAHPDVMHMFL  573
NTDB id 245 SPD RS03860 WP 000882517.1     TGVGKTELSKQLAIELFGSADSMIRFDMSEYMEKHSVAKLVGAPPGYVGYDEAGQLTEKVRHNPYSLILLDEVEKAHPDVMHMFL  573
NTDB id 243 SPR RS03635 WP 000882517.1     TGVGKTELSKQLAIELFGSADSMIRFDMSEYMEKHSVAKLVGAPPGYVGYDEAGQLTEKVRHNPYSLILLDEVEKAHPDVMHMFL  573
NTDB id 241 SP RS04015 WP 000882523.1      TGVGKTELSKQLAIELFGSADSMIRFDMSEYMEKHSVAKLVGAPPGYVGYDEAGQLTEKVRHNPYSLILLDEVEKAHPDVMHMFL  573
NTDB id 85 BSU 00860 NP 387967.1           TGVGKTELARALAESIFGDEESMIRIDMSEYMEKHSTSRLVGSPPGYVGYDEGGQLTEKVRRKPYSVVLLDEIEKAHPDVFNILL  631
NTDB id 610 V4T04 RS10165 WP 012897346.1   TGVGKTELAKALADSVFGSEDNMIRVDMSEFMEKHSTSRLIGAPPGYVGYDEGGQLTERVRNKPYSVVLLDEVEKAHPDVFNIML  640
NTDB id 290 KZH43 RS10025 WP 001109677.1   TGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNVLL  635
NTDB id 289 SPD RS10700 WP 001109677.1     TGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNVLL  635
NTDB id 287 SP RS11210 WP 001109712.1      TGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNVLL  635
NTDB id 377 SMU RS09275 WP 002262344.1     TGVGKTELAKALAEVLFDDESALIRFDMSEYMEKFAASRLNGAPPGYVGYEEGGELTEKVRNKPYSVLLFDEVEKAHPDIFNILL  638
NTDB id 297 STER RS00545 WP 011680614.1    TGVGKTELAKALAEVLFDDESALLRFDMSEYMEKFAASRLNGAPPGYVGYDEGGELTEKVRNKPYSVLLFDEIEKAHPDIFNILL  641
NTDB id 329 STU RS10020 WP 011225298.1     TGVGKTELAKALAEVLFDDESALLRFDMSEYMEKFAASRLNGAPPGYVGYDEGGELTEKVRNKPYSVLLFDEIEKAHPDIFNVLL  641
consensus                                  !!!!!!!!!***!!* *!* **  **!*!!!!*!!!*   **!*!*!!!!!!!!*!*!*!!!*!! *!!!**!*!!*!*!!!!!!*****!
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logo

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NTDB id 378 SMU RS02690 WP 002263569.1     QVLDDGRLTDGQGRTVSFKDTIIIMTSNAGTGK..SEANVGFGASREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFQALSK  652
NTDB id 281 KZH43 RS03550 WP 000882517.1   QVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..TEASVGFGAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSK  651
NTDB id 245 SPD RS03860 WP 000882517.1     QVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..TEASVGFGAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSK  651
NTDB id 243 SPR RS03635 WP 000882517.1     QVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..TEASVGFGAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSK  651
NTDB id 241 SP RS04015 WP 000882523.1      QVLDDGRLTDGQGRTVSFKDAIIIMTSNAGTGK..TEASVGFGAAREG.....RTNSVLGELGNFFSPEFMNRFDGIIEFKALSK  651
NTDB id 85 BSU 00860 NP 387967.1           QVLEDGRLTDSKGRTVDFRNTILIMTSNVGASELKRNKYVGFNVQDETQNHKDMKDKVMGELKRAFRPEFINRIDEIIVFHSLEK  716
NTDB id 610 V4T04 RS10165 WP 012897346.1   QILDDGFVTDTKGRKVDFRNTIIIMTSNLGATALRDDKTVGFGAKNITADYSAMKSRILEELKRHYRPEFLNRIDENIVFHSLES  725
NTDB id 290 KZH43 RS10025 WP 001109677.1   QVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSS  720
NTDB id 289 SPD RS10700 WP 001109677.1     QVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSS  720
NTDB id 287 SP RS11210 WP 001109712.1      QVLDDGVLTDSKGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKDIRFDQENMEKRMFEELKKAYRPEFINRIDEKVVFHSLSS  720
NTDB id 377 SMU RS09275 WP 002262344.1     QVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAKSFSQDYKAMESRILEELKKVYRPEFINRIDEKVVFHNLGQ  723
NTDB id 297 STER RS00545 WP 011680614.1    QVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAQTISHNHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLEE  726
NTDB id 329 STU RS10020 WP 011225298.1     QVLDDGVLTDSRGRKVDFSNTIIIMTSNLGATALRDDKTVGFGAQTISHNHQAMQARIMEELKKSYRPEFINRIDEKVVFHSLEE  726
consensus                                  !*!*!! *!!**!! !*!*****!!!!!*!** ** ***!!!**          *  *** *!** **!!!*!!*!* **!* !*
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logo                                                
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