```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 114 BSU 16110 NP 389493.1          ..MDQAAVCLTICRINQL....LSPSLLLKWWKADPS...MS.........LTSPVLQTVTRDQIKAAALKNEIEQFYPK   62
NTDB id 1250 GC085 RS13065 WP 027219989.1  ..MNNLQPLLALNRMKRIG.....PRTVLKLQKRWPDLNLMFQLSSVDLEEAGLPSWLAQTIKNFDPDFIKTDLNWLS..   71
NTDB id 599 KW2 RS05940 WP 021037268.1     .MITNFD....LFRWKKAGMTNLGVNKLLKFFRKYDRKISLRQM..GQVAQVKSIPNFIEQYKNQDVKKLRADYKKFS..   71
NTDB id 525 SMSK321 RS06295 WP 000705298.1 MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLEKEFKKIP..   72
NTDB id 267 KZH43 RS05590 WP 000705306.1   MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQKFP..   72
NTDB id 226 SPD RS05990 WP 000705306.1     MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQKFP..   72
NTDB id 192 SPR RS05715 WP 000705306.1     MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQKFP..   72
NTDB id 157 SP RS06205 WP 000705306.1      MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQKFP..   72
NTDB id 497 SM12261 RS05565 WP 000705318.1 MKITNYE....IYKLKKSGLTNQQVLAVLEYGENVDQELLLGDI..AEISGCRNPAVFMERYFQIDDAHLEKEFQKFP..   72
NTDB id 1127181 FGK99 RS05100 WP 126436673.1 ..MNNFE....LYKLKKAGLTNLNILNLIDYQQRNNKSLSLRDM..AVVSCCKNPVLFIETYKQLNVALLKKEFNQFP..   70
NTDB id 407 SMU RS04605 WP 002262865.1     ..MDNFQ....LFKLKKAGLTNLNILNIIDYEERTQKSLSLRDM..AVVSKNKKPLIFMEHYKNLDSKALRKEFNRFP..   70
consensus                                  *******    ******************************   ************************ *******

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 114 BSU 16110 NP 389493.1          LPRVLAAYREQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICRKGW   142
NTDB id 1250 GC085 RS13065 WP 027219989.1  ........SSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGNENARAFSREISRHGV   142
NTDB id 599 KW2 RS05940 WP 021037268.1     ..............SFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVTELNQ.SF   135
NTDB id 525 SMSK321 RS06295 WP 000705298.1 ..............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKIIQGLEN.EL   136
NTDB id 267 KZH43 RS05590 WP 000705306.1   ..............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.EL   136
NTDB id 226 SPD RS05990 WP 000705306.1     ..............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.EL   136
NTDB id 192 SPR RS05715 WP 000705306.1     ..............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.EL   136
NTDB id 157 SP RS06205 WP 000705306.1      ..............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.EL   136
NTDB id 497 SM12261 RS05565 WP 000705318.1 ..............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.EL   136
NTDB id 1127181 FGK99 RS05100 WP 126436673.1 ..............SLSILDKQYPLALREIYNPPVLLFYQGDLSLLEK.PKLAVVGSRESSEIGTRSVYKIVKELKN.HF   134
NTDB id 407 SMU RS04605 WP 002262865.1     ..............SLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKIIQDLSK.QF   134
consensus                                                 ********!!**!**!***!******!****!** *****!!*! ****!************ **

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 114 BSU 16110 NP 389493.1          VIVSGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSEHPPETKPQKWHFPMRNRIISGLS   222
NTDB id 1250 GC085 RS13065 WP 027219989.1  SIVSGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPPIAGHFPLRNRIISGLS   222
NTDB id 599 KW2 RS05940 WP 021037268.1     TIVSGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLS   215
NTDB id 525 SMSK321 RS06295 WP 000705298.1 VIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLC   216
NTDB id 267 KZH43 RS05590 WP 000705306.1   VIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLC   216
NTDB id 226 SPD RS05990 WP 000705306.1     VIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLC   216
NTDB id 192 SPR RS05715 WP 000705306.1     VIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLC   216
NTDB id 157 SP RS06205 WP 000705306.1      VIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLC   216
NTDB id 497 SM12261 RS05565 WP 000705318.1 VIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLC   216
NTDB id 1127181 FGK99 RS05100 WP 126436673.1 VIVSGLARGIDTSAHLACLKAGGQTIAVIGTGLDCYYPKENHQLQEFLSQRHLVLSEYGAGEAALSYHFPERNRIIAGLS   214
NTDB id 407 SMU RS04605 WP 002262865.1     VIISGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLS   214
consensus                                  *!*!!!!*!!!***!*********!!*!***!****!!*****************!!!**********!!!*!!!!!*!!*
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logo
                                                  RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDYLAEEEF
NTDB id 114 BSU 16110 NP 389493.1                 EGVIVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYTEPF.....   297
NTDB id 1250 GCO85 RS13065 WP 027219989.1         LCILVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSNKPIFSL   302
NTDB id 599 KW2 RS05940 WP 021037268.1            RGVVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN.............   282
NTDB id 525 SMSK321 RS06295 WP 000705298.1        RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...............   282
NTDB id 267 KZH43 RS05590 WP 000705306.1          RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...............   282
NTDB id 226 SPD RS05990 WP 000705306.1            RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...............   282
NTDB id 192 SPR RS05715 WP 000705306.1            RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...............   282
NTDB id 157 SP RS06205 WP 000705306.1             RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...............   282
NTDB id 497 SM12261 RS05565 WP 000705318.1        RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...............   282
NTDB id 1127181 FGK99 RS05100 WP 126436673.1      RGVLVVEAKQRSGSLITCQLAMEEGRDIFVVPDNILNGTSAGCLKLIKDGASCVTHGRDILSEYHYS..............   281
NTDB id 407 SMU RS04605 WP 002262865.1            QGVMVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF...............   280
consensus                                         ****!******!!!!!!***!*!**!*****!*********!***!***!!*******!***!***
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logo
                                                  ASGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER
NTDB id 114 BSU 16110 NP 389493.1                 ............................................................   297
NTDB id 1250 GCO85 RS13065 WP 027219989.1         ASGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   361
NTDB id 599 KW2 RS05940 WP 021037268.1            ............................................................   282
NTDB id 525 SMSK321 RS06295 WP 000705298.1        ............................................................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1          ............................................................   282
NTDB id 226 SPD RS05990 WP 000705306.1            ............................................................   282
NTDB id 192 SPR RS05715 WP 000705306.1            ............................................................   282
NTDB id 157 SP RS06205 WP 000705306.1             ............................................................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1        ............................................................   282
NTDB id 1127181 FGK99 RS05100 WP 126436673.1      ............................................................   281
NTDB id 407 SMU RS04605 WP 002262865.1            ............................................................   280
consensus
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X non conserved
X similar
X ≥ 50% conserved