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logo
NTDB id 114 BSU 16110 NP 389493.1          ..MDQAAVC.LTICRINQLLSPSLLLKWWKA...DPSMS.L........TSPVLQTVTRDQIKAAALKNEIEQFYPKLPR   65
NTDB id 1250 GC085 RS13065 WP 027219989.1  ..MNNLQPLL.ALNRMKR.IGPRTVLKLQKRWPDLNLMFQLSSVDLEEAGLPSWLAQTIKNFDPDFIKTDLNWL....S.   71
NTDB id 599 KW2 RS05940 WP 021037268.1     .MITNFDLFRWKKAGMTN.LGVNKLLKFFRKYDRKISLRQM..GQVAQVKSIPNFIEQYKNQDVKKLRADYKKF....S.   71
NTDB id 525 SMSK321 RS06295 WP 000705298.1 MKITNYEIYKLKKSGLTN.QQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLEKEFKKI....P.   72
NTDB id 267 KZH43 RS05590 WP 000705306.1   MKITNYEIYKLKKSGLTN.QQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQKF....P.   72
NTDB id 226 SPD RS05990 WP 000705306.1     MKITNYEIYKLKKSGLTN.QQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQKF....P.   72
NTDB id 192 SPR RS05715 WP 000705306.1     MKITNYEIYKLKKSGLTN.QQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQKF....P.   72
NTDB id 157 SP RS06205 WP 000705306.1      MKITNYEIYKLKKSGLTN.QQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQKF....P.   72
NTDB id 497 SM12261 RS05565 WP 000705318.1 MKITNYEIYKLKKSGLTN.QQVLAVLEYGENVDQELLLGDI..AEISGCRNPAVFMERYFQIDDAHLEKEFQKF....P.   72
NTDB id 1024702 AB1F57 RS09475 WP 105110582.1 ..MNNFDIFKLKKAGLTN.LNIHKILVYQEKYDKKLSLRNM..AVVSECKNPILFMENYKNLDIKACREEFNRF....P.   70
NTDB id 407 SMU RS04605 WP 002262865.1     ..MDNFQLFKLKKAGLTN.LNILNIIDYEERTQKSLSLRDM..AVVSKNKKPLIFMEHYKNLDSKALRKEFNRF....P.   70
consensus                                  ******************* ********************   ************************ ******    *
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logo
NTDB id 114 BSU 16110 NP 389493.1          VLAAYREQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICRKGWVIV   145
NTDB id 1250 GC085 RS13065 WP 027219989.1  .....SSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGNENARAFSREISRHGVSIV   145
NTDB id 599 KW2 RS05940 WP 021037268.1     ...........SFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVTELN.QSFTIV   138
NTDB id 525 SMSK321 RS06295 WP 000705298.1 ...........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKIIQGLE.NELVIV   139
NTDB id 267 KZH43 RS05590 WP 000705306.1   ...........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIV   139
NTDB id 226 SPD RS05990 WP 000705306.1     ...........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIV   139
NTDB id 192 SPR RS05715 WP 000705306.1     ...........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIV   139
NTDB id 157 SP RS06205 WP 000705306.1      ...........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIV   139
NTDB id 497 SM12261 RS05565 WP 000705318.1 ...........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.NELVIV   139
NTDB id 1024702 AB1F57 RS09475 WP 105110582.1 ...........SFSILDDIYPLALKEIYNPPVLLFYQGDLDLLDK.PKLGVVGTRNASKNGIQSVQKIIKELQ.NRYVIV   137
NTDB id 407 SMU RS04605 WP 002262865.1     ...........SLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKIIQDLS.KQFVII   137
consensus                                   ********!!**!**!***!******!****!** *****!!*! ****!************ ****!*
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logo
NTDB id 114 BSU 16110 NP 389493.1          SGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSEHPPETKPQKWHFPMRNRIISGLSEGV   225
NTDB id 1250 GC085 RS13065 WP 027219989.1  SGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCI   225
NTDB id 599 KW2 RS05940 WP 021037268.1     SGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGV   218
NTDB id 525 SMSK321 RS06295 WP 000705298.1 SGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGV   219
NTDB id 267 KZH43 RS05590 WP 000705306.1   SGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGV   219
NTDB id 226 SPD RS05990 WP 000705306.1     SGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGV   219
NTDB id 192 SPR RS05715 WP 000705306.1     SGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGV   219
NTDB id 157 SP RS06205 WP 000705306.1      SGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGV   219
NTDB id 497 SM12261 RS05565 WP 000705318.1 SGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGV   219
NTDB id 1024702 AB1F57 RS09475 WP 105110582.1 SGLARGIDTAAHIASLKNGGQTIAVIGTGLDVQYPKENKDLQSYIGKHHLVLTEYGPGEQPLKFHFPERNRIIAGLVGGL   217
NTDB id 407 SMU RS04605 WP 002262865.1     SGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGV   217
consensus                                  !!!!*!!!***!*********!!*!***!****!!*****************!*!******!***!!!*!!!!!*!!****
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logo

NTDB id 114 BSU 16110 NP 389493.1              IVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYTEPF........   297
NTDB id 1250 GC085 RS13065 WP 027219989.1      LVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSNKPIFSLASG   305
NTDB id 599 KW2 RS05940 WP 021037268.1         VVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN................   282
NTDB id 525 SMSK321 RS06295 WP 000705298.1     IVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1       IVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..................   282
NTDB id 226 SPD RS05990 WP 000705306.1         IVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..................   282
NTDB id 192 SPR RS05715 WP 000705306.1         IVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..................   282
NTDB id 157 SP RS06205 WP 000705306.1          IVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1     IVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..................   282
NTDB id 1024702 AB1F57 RS09475 WP 105110582.1  VVCEAKMRSGSLITCERALEEGREIFAIPGSILDGKSDGCHHLIQEGAKCVTSGLDIISDYQF..................   280
NTDB id 407 SMU RS04605 WP 002262865.1         MVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF..................   280
consensus                                      *!*****!!!!!!***!*!**!*****!!********!***!*!!!******!*******

logo

                                               KENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER
NTDB id 114 BSU 16110 NP 389493.1              ..........................................................   297
NTDB id 1250 GC085 RS13065 WP 027219989.1      KENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   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 1024702 AB1F57 RS09475 WP 105110582.1  ..........................................................   280
NTDB id 407 SMU RS04605 WP 002262865.1         ..........................................................   280
consensus
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X non conserved
X similar
X ≥ 50% conserved