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logo
NTDB id 114 BSU 16110 NP 389493.1                ..MDQAAVCLTICRINQL....LSPSLLLKWWKADPSMSL............TSPVLQTVTRDQIKAAALKNEIEQFYPK   62
NTDB id 1250 GC085 RS13065 WP 027219989.1        ..MNNLQPLLALNRMKRIG.....PRTVLKLQKRWPDLNLMFQLSSVDLEEAGLPSWLAQTIKNFDPDFIKTDLNWL...   70
NTDB id 599 KW2 RS05940 WP 021037268.1           .MITNFDL....FRWKKAGMTNLGVNKLLKFFRKYDRKISLRQM..GQVAQVKSIPNFIEQYKNQDVKKLRADYKKF...   70
NTDB id 525 SMSK321 RS06295 WP 000705298.1       MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLEKEFKKI...   71
NTDB id 267 KZH43 RS05590 WP 000705306.1         MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQKF...   71
NTDB id 226 SPD RS05990 WP 000705306.1           MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQKF...   71
NTDB id 192 SPR RS05715 WP 000705306.1           MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQKF...   71
NTDB id 157 SP RS06205 WP 000705306.1            MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQKF...   71
NTDB id 497 SM12261 RS05565 WP 000705318.1       MKITNYEI....YKLKKSGLTNQQVLAVLEYGENVDQELLLGDI..AEISGCRNPAVFMERYFQIDDAHLEKEFQKF...   71
NTDB id 1129596 GPW69 RS04780 WP 024408845.1     ..MNNFEL....FKWKKAGLTNLNVNKVLAYQEKHGKKLTLRNV..AVVSECKNPVLFMENYKNLDTKACREEFNKY...   69
NTDB id 407 SMU RS04605 WP 002262865.1           ..MDNFQL....FKLKKAGLTNLNILNIIDYEERTQKSLSLRDM..AVVSKNKKPLIFMEHYKNLDSKALRKEFNRF...   69
consensus                                        *******    ****************************   ************************ ******

logo
NTDB id 114 BSU 16110 NP 389493.1                LPRVLAAYREQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICRKGW   142
NTDB id 1250 GC085 RS13065 WP 027219989.1        .S......SSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGNENARAFSREISRHGV   142
NTDB id 599 KW2 RS05940 WP 021037268.1           .S............SFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVTELNQ.SF   135
NTDB id 525 SMSK321 RS06295 WP 000705298.1       .P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKIIQGLEN.EL   136
NTDB id 267 KZH43 RS05590 WP 000705306.1         .P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.EL   136
NTDB id 226 SPD RS05990 WP 000705306.1           .P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.EL   136
NTDB id 192 SPR RS05715 WP 000705306.1           .P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.EL   136
NTDB id 157 SP RS06205 WP 000705306.1            .P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.EL   136
NTDB id 497 SM12261 RS05565 WP 000705318.1       .P............SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.EL   136
NTDB id 1129596 GPW69 RS04780 WP 024408845.1     .P............SFSILDDIYPLALKQIYNPPVLLFYQGDLELLEK.SKLAVVGTRNASKNGVQSVQKIIKELSN.RF   134
NTDB id 407 SMU RS04605 WP 002262865.1           .P............SLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKIIQDLSK.QF   134
consensus                                         *            ********!!**!**!***!******!****!** *****!!*! ****!************ **

logo
NTDB id 114 BSU 16110 NP 389493.1                VIVSGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHLLSEHPPETKPQKWHFPMRNRIISGLS   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 1129596 GPW69 RS04780 WP 024408845.1     VIVSGLARGIDTAAHIASLKNGGQTIAVIGTGLDKVYPKENKDLQTYIGKHHLVLTEYEAGAQPLKYHFPERNRIIAGLV   214
NTDB id 407 SMU RS04605 WP 002262865.1           VIISGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLS   214
consensus                                        *!*!!!!*!!!***!*********!!*!***!****!!****************!*!******!***!!!*!!!!!*!!*
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logo
                                                  RGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLYTSGQDYLAEEEF

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 1129596 GPW69 RS04780 WP 024408845.1      EGLVVCEAKMRSGSLITCERALEEGREVYAIPGSIMDGKSDGCHHLIQEGAKCITSGLDIISEYKF...............   280
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 1129596 GPW69 RS04780 WP 024408845.1      ............................................................   280
NTDB id 407 SMU RS04605 WP 002262865.1            ............................................................   280
consensus
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X non conserved
X similar
X ≥ 50% conserved