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logo
NTDB id 114 BSU 16110 NP 389493.1          ..MDQAAVCLTICRINQL....LSPSLLLKWWKADPSMSL............TSPVLQTVTRDQIKAAALKNEIEQFYPKLPRVL    67
NTDB id 1250 GCO85 RS13065 WP 027219989.1  ..MNNLQPLLALNRMKRIG.....PRTVLKLQKRWPDLNLMFQLSSVDLEEAGLPSWLAQTIKNFDPDFIKTDLNWL....S...    71
NTDB id 599 KW2 RS05940 WP 021037268.1     .MITNFDL....FRWKKAGMTNLGVNKLLKFFRKYDRKISLRQM..GQVAQVKSIPNFIEQYKNQDVKKLRADYKKF....S...    71
NTDB id 525 SMSK321 RS06295 WP 000705298.1 MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLEKEFKKI....P...    72
NTDB id 267 KZH43 RS05590 WP 000705306.1   MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQKF....P...    72
NTDB id 226 SPD RS05990 WP 000705306.1     MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQKF....P...    72
NTDB id 192 SPR RS05715 WP 000705306.1     MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQKF....P...    72
NTDB id 157 SP RS06205 WP 000705306.1      MKITNYEI....YKLKKSGLTNQQILKVLEYGENVDQELLLGDI..ADISGCRNPAVFMERYFQIDDAHLSKEFQKF....P...    72
NTDB id 497 SM12261 RS05565 WP 000705318.1 MKITNYEI....YKLKKSGLTNQQVLAVLEYGENVDQELLLGDI..AEISGCRNPAVFMERYFQIDDAHLEKEFQKF....P...    72
NTDB id 49683 SSU12 RS04650 WP 012775129.1 ..MNNFEL....FKWKKAGLTNLNVNKVLAYQEKHGKKLTLRNV..AVVSECKNPVLFMENYKNLDTKACREEFNKY....P...    70
NTDB id 407 SMU RS04605 WP 002262865.1     ..MDNFQL....FKLKKAGLTNLNILNIIDYEERTQKSLSLRDM..AVVSKNKKPLIFMEHYKNLDSKALRKEFNRF....P...    70
consensus                                  ********    ******************************  ************************ ******     *
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logo
NTDB id 114 BSU 16110 NP 389493.1          AAYREQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICRKGWVIVSGLASGI   152
NTDB id 1250 GCO85 RS13065 WP 027219989.1  ...SSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGNENARAFSREISRHGVSIVSGLALGI   152
NTDB id 599 KW2 RS05940 WP 021037268.1     .........SFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVTELNQ.SFTIVSGLAKGI   145
NTDB id 525 SMSK321 RS06295 WP 000705298.1 .........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKIIQGLEN.ELVIVSGLAKGI   146
NTDB id 267 KZH43 RS05590 WP 000705306.1   .........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.ELVIVSGLAKGI   146
NTDB id 226 SPD RS05990 WP 000705306.1     .........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.ELVIVSGLAKGI   146
NTDB id 192 SPR RS05715 WP 000705306.1     .........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.ELVIVSGLAKGI   146
NTDB id 157 SP RS06205 WP 000705306.1      .........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.ELVIVSGLAKGI   146
NTDB id 497 SM12261 RS05565 WP 000705318.1 .........SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.ELVIVSGLAKGI   146
NTDB id 49683 SSU12 RS04650 WP 012775129.1 .........SFSILDDIYPLALKQIYNPPVLLFYQGDLELLEK.LKLAVVGTRNASKNGIQSVQKIIKELSN.RFVIVSGLARGI   144
NTDB id 407 SMU RS04605 WP 002262865.1     .........SLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKIIQDLSK.GFVIISGLARGI   144
consensus                                   ********!!**!**!***!******!****!** *****!!*! ****!************* ***!*!!!!*!!
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logo
NTDB id 114 BSU 16110 NP 389493.1          DGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSEHPPETKPQKWHFPMRNRIISGLSEGVIVVQGKEKSGSL   237
NTDB id 1250 GCO85 RS13065 WP 027219989.1  DAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPPIAGHFPLRNRIISGLSLCILVIEAAIKSGSL   237
NTDB id 599 KW2 RS05940 WP 021037268.1     DTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGVVVVEAKLRSGSL   230
NTDB id 525 SMSK321 RS06295 WP 000705298.1 DTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSL   231
NTDB id 267 KZH43 RS05590 WP 000705306.1   DTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSL   231
NTDB id 226 SPD RS05990 WP 000705306.1     DTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSL   231
NTDB id 192 SPR RS05715 WP 000705306.1     DTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSL   231
NTDB id 157 SP RS06205 WP 000705306.1      DTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSL   231
NTDB id 497 SM12261 RS05565 WP 000705318.1 DTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGVIVAEAKMRSGSL   231
NTDB id 49683 SSU12 RS04650 WP 012775129.1 DTAAHIASLKNGGQTIAVIGTGLDNIYPKENKDLQTYIGKHHLVLTEYEAGAQPLKYHFPERNRIIAGLVEGLVVCEAKMRSGSL   229
NTDB id 407 SMU RS04605 WP 002262865.1     DTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGVMVAEAKIRSGSL   229
consensus                                  !***!*********!!*!***!****!!*****************!*!******!***!!!*!!!!!*!!*****!******!!!!
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logo

NTDB id 114 BSU 16110 NP 389493.1          ITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYTEPF.......................  297
NTDB id 1250 GCO85 RS13065 WP 027219989.1  ITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSNKPIFSLASGKENLVKFIGFETTTIDQ  322
NTDB id 599 KW2 RS05940 WP 021037268.1     ITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN..............................  282
NTDB id 525 SMSK321 RS06295 WP 000705298.1 ITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..............................  282
NTDB id 267 KZH43 RS05590 WP 000705306.1   ITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..............................  282
NTDB id 226 SPD RS05990 WP 000705306.1     ITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..............................  282
NTDB id 192 SPR RS05715 WP 000705306.1     ITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..............................  282
NTDB id 157 SP RS06205 WP 000705306.1      ITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..............................  282
NTDB id 497 SM12261 RS05565 WP 000705318.1 ITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..............................  282
NTDB id 49683 SSU12 RS04650 WP 012775129.1 ITCERALEEGREVYAIPGSIMDGKSDGCHHLIQEGAKCVTSGLDIISEYQF..............................  280
NTDB id 407 SMU RS04605 WP 002262865.1     ITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF..............................  280
consensus                                  !!***!*!**!*****!!********!***!*!*!!!******!***!***

logo

NTDB id 114 BSU 16110 NP 389493.1          ........................................  297
NTDB id 1250 GCO85 RS13065 WP 027219989.1  IIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER  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 49683 SSU12 RS04650 WP 012775129.1 ........................................  280
NTDB id 407 SMU RS04605 WP 002262865.1     ........................................  280
consensus
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X non conserved

X similar

X $\geq$ 50% conserved