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logo
NTDB id 114 BSU 16110 NP 389493.1                ..MDQAAVCLTICRINQL....LSPSLLLKWWKADP...SMSLTSPV............LQTVTRDQIKAAALKNEIEQF   59
NTDB id 1250 GC085 RS13065 WP 027219989.1        ..MNNLQPLLALNRMKRIGP..RTVL......KLQKRWPDLNLMFQLSSVDLEEAGLPSWLAQTIKNFDPDFIKTDLNWL   70
NTDB id 599 KW2 RS05940 WP 021037268.1           .MITNFD....LFRWKKAGMTNLGVNKLLKFFRKYDRKISLRQMGQVAQVKSIP.....NFIEQYKNQDVKKLRADYKKF   70
NTDB id 407 SMU RS04605 WP 002262865.1           ..MDNFQ....LFKLKKAGLTNLNILNIIDYEERTQKSLSLRDMAVVSKNKKPL.....IFMEHYKNLDSKALRKEFNRF   69
NTDB id 1120188 EL100 RS08385 WP 126404221.1     ..MNKYE....LYKLKVAGLSNIQVFNIVNYWEMNGEWPSLELMAKIAGCRNQT.....LFMERYIRIDDKVLREEFKEF   69
NTDB id 525 SMSK321 RS06295 WP 000705298.1       MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQELLLGDIADISGCRNPA.....VFMERYFQIDDAHLEKEFKKI   71
NTDB id 497 SM12261 RS05565 WP 000705318.1       MKITNYE....IYKLKKSGLTNQQVLAVLEYGENVDQELLLGDIAEISGCRNPA.....VFMERYFQIDDAHLEKEFQKF   71
NTDB id 267 KZH43 RS05590 WP 000705306.1         MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQELLLGDIADISGCRNPA.....VFMERYFQIDDAHLSKEFQKF   71
NTDB id 226 SPD RS05990 WP 000705306.1           MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQELLLGDIADISGCRNPA.....VFMERYFQIDDAHLSKEFQKF   71
NTDB id 192 SPR RS05715 WP 000705306.1           MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQELLLGDIADISGCRNPA.....VFMERYFQIDDAHLSKEFQKF   71
NTDB id 157 SP RS06205 WP 000705306.1            MKITNYE....IYKLKKSGLTNQQILKVLEYGENVDQELLLGDIADISGCRNPA.....VFMERYFQIDDAHLSKEFQKF   71
consensus                                        *******    ************************************     *************** ******

logo
NTDB id 114 BSU 16110 NP 389493.1                YPKLPRVLAAYREQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICR  139
NTDB id 1250 GC085 RS13065 WP 027219989.1        S..........SSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALT.QPSLAIVGSRNASVTGNENARAFSREISR  139
NTDB id 599 KW2 RS05940 WP 021037268.1           ................SSFSILDDLYPERLREIYNPPVLIFYQGNIDLLK.NPKLAFVGSRLAGQSGIKSVQKIVTELN.  132
NTDB id 407 SMU RS04605 WP 002262865.1           ................PSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLA.RPKLAVVGSRNASQMGVAAVKKIIQDLS.  131
NTDB id 1120188 EL100 RS08385 WP 126404221.1     ................DSISIMDPEYPEELLWMHNPPVLLFYEGNIDLLK.QPKIAVVGSRSCSRTGIQSVEKIINELN.  131
NTDB id 525 SMSK321 RS06295 WP 000705298.1       ................PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRSCSKQGAKSVEKIIQGLE.  133
NTDB id 497 SM12261 RS05565 WP 000705318.1       ................PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVIQGLE.  133
NTDB id 267 KZH43 RS05590 WP 000705306.1         ................PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVIQGLE.  133
NTDB id 226 SPD RS05990 WP 000705306.1           ................PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVIQGLE.  133
NTDB id 192 SPR RS05715 WP 000705306.1           ................PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVIQGLE.  133
NTDB id 157 SP RS06205 WP 000705306.1            ................PSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLK.FPKVAVVGSRACSKQGAKSVEKVIQGLE.  133
consensus                                                       *********!!**!******!******!****!* ******!!*! ****!************

logo
NTDB id 114 BSU 16110 NP 389493.1                KGWVIVSGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSEHPPETKPQKWHFPMRNRIIS  219
NTDB id 1250 GC085 RS13065 WP 027219989.1        HGVSIVSGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPPIAGHFPLRNRIIS  219
NTDB id 599 KW2 RS05940 WP 021037268.1           QSFTIVSGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIA  212
NTDB id 407 SMU RS04605 WP 002262865.1           KQFVIISGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIAKNHLLLSEYEAQSQPLKYHFPERNRIIA  211
NTDB id 1120188 EL100 RS08385 WP 126404221.1     NELIVVSGLAKGIDAAAHYATIRNGGKTIGVIGTGLDVFYPRSNKQLQKYMSGSHLVLTEYGPGQGPQKHHFPERNRIIA  211
NTDB id 525 SMSK321 RS06295 WP 000705298.1       NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPARNRIIA  213
NTDB id 497 SM12261 RS05565 WP 000705318.1       NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIA  213
NTDB id 267 KZH43 RS05590 WP 000705306.1         NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIA  213
NTDB id 226 SPD RS05990 WP 000705306.1           NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIA  213
NTDB id 192 SPR RS05715 WP 000705306.1           NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIA  213
NTDB id 157 SP RS06205 WP 000705306.1            NELVIVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIA  213
consensus                                        ******!!!!*!!!***!*********!!*!***!****!!****************!*!******!***!!!*!!!!!*
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 114 BSU 16110 NP 389493.1                GLSEGVIVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYTEPF..   297
NTDB id 1250 GCO85 RS13065 WP 027219989.1        GLSLCILVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSNKPI   299
NTDB id 599 KW2 RS05940 WP 021037268.1           GLSRGVVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN..........   282
NTDB id 407 SMU RS04605 WP 002262865.1           GLSQGVMVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF...........   280
NTDB id 1120188 EL100 RS08385 WP 126404221.1     GLSRAVIVAEARMRSGSLITCERAMEEGRDVFAIPGSILDGRSDGCHHLIQEGAKLITSGKDVLDEFEF...........   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1       GLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........   282
NTDB id 497 SM12261 RS05565 WP 000705318.1       GLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........   282
NTDB id 267 KZH43 RS05590 WP 000705306.1         GLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........   282
NTDB id 226 SPD RS05990 WP 000705306.1           GLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........   282
NTDB id 192 SPR RS05715 WP 000705306.1           GLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........   282
NTDB id 157 SP RS06205 WP 000705306.1            GLCRGVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF...........   282
consensus                                        !!*****!******!!!!!!***!*!**!*****!!********!***!*!*!!!******!***!***
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                
                                                                                                                                                                                                                                                                                                                                                                                                                                                FSLASGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER
NTDB id 114 BSU 16110 NP 389493.1                ..............................................................   297
NTDB id 1250 GCO85 RS13065 WP 027219989.1        FSLASGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   361
NTDB id 599 KW2 RS05940 WP 021037268.1           ..............................................................   282
NTDB id 407 SMU RS04605 WP 002262865.1           ..............................................................   280
NTDB id 1120188 EL100 RS08385 WP 126404221.1     ..............................................................   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1       ..............................................................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1       ..............................................................   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
consensus
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X non conserved

X similar

X $\geq$ 50% conserved