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logo
NTDB id 114 BSU 16110 NP 389493.1          MDQAAVCLTICRINQLLSPSLLLKWWKADP.................SMSLTSPVLQTVTRDQIKAAALKNEIEQFYPKL   63
NTDB id 626 LCA RS04960 WP 011374694.1     ..............MLTKNQLLLKVHLAAGFGTISELRLAAWLSTSHNWALSALEIAQIARLPER..YWPTFQASFQSTT   64
NTDB id 599 KW2 RS05940 WP 021037268.1     ..............MITNFDLFRW.KKAGMTNLGVNKLLKFFRK.YDRKISLRQMGQVAQV..K..SIPNFIEQYKNQD   59
NTDB id 525 SMSK321 RS06295 WP 000705298.1 ..............MKITNYEIYKL.KKSGLTNQQILKVLEYGEN.VDQELLLGDIADISGC..R..NPAVFMERYFQID   60
NTDB id 497 SM12261 RS05565 WP 000705318.1 ..............MKITNYEIYKL.KKSGLTNQQVLAVLEYGEN.VDQELLLGDIAEISGC..R..NPAVFMERYFQID   60
NTDB id 267 KZH43 RS05590 WP 000705306.1   ..............MKITNYEIYKL.KKSGLTNQQILKVLEYGEN.VDQELLLGDIADISGC..R..NPAVFMERYFQID   60
NTDB id 226 SPD RS05990 WP 000705306.1     ..............MKITNYEIYKL.KKSGLTNQQILKVLEYGEN.VDQELLLGDIADISGC..R..NPAVFMERYFQID   60
NTDB id 192 SPR RS05715 WP 000705306.1     ..............MKITNYEIYKL.KKSGLTNQQILKVLEYGEN.VDQELLLGDIADISGC..R..NPAVFMERYFQID   60
NTDB id 157 SP RS06205 WP 000705306.1      ..............MKITNYEIYKL.KKSGLTNQQILKVLEYGEN.VDQELLLGDIADISGC..R..NPAVFMERYFQID   60
NTDB id 185358 A9497 RS00820 WP 011225887.1 ................MNNFELFKL.KAAGLTNLNILNILDYQKN.QDKKLSLRDMAVVSKS..K..NAVLFMEKYKNLD   58
NTDB id 407 SMU RS04605 WP 002262865.1     ................MDNFQLFKL.KKAGLTNLNILNIIDYEER.TQKSLSLRDMAVVSKN..K..KPLIFMEHYKNLD   58
consensus                                                  *********** ******************* ***************  *   *************

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NTDB id 114 BSU 16110 NP 389493.1          PRVLAAYREQGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICRKGWV   143
NTDB id 626 LCA RS04960 WP 011374694.1     LQRQCIDHEVRTTYLTILDKDYPQRLLETYLPPVLLFYRGDLRLLKQ.PCLAVVGARQATHYSKQSLEQLLQGLT.A.TT   141
NTDB id 599 KW2 RS05940 WP 021037268.1     V.KKLRADYKKFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVTELN.QSFT   136
NTDB id 525 SMSK321 RS06295 WP 000705298.1 D.AHLEKEFKKIPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKIIQGLE.NELV   137
NTDB id 497 SM12261 RS05565 WP 000705318.1 D.AHLEKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.NELV   137
NTDB id 267 KZH43 RS05590 WP 000705306.1   D.AHLSKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.NELV   137
NTDB id 226 SPD RS05990 WP 000705306.1     D.AHLSKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.NELV   137
NTDB id 192 SPR RS05715 WP 000705306.1     D.AHLSKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.NELV   137
NTDB id 157 SP RS06205 WP 000705306.1      D.AHLSKEFQKFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.NELV   137
NTDB id 185358 A9497 RS00820 WP 011225887.1 V.KQLKEDFQRFPTLSIFDKEYPIELKHSYNPPVLLFYQGNIDLLSK.PKLAVVGARKCSETGKQSVRKIVHELG.NAFT   135
NTDB id 407 SMU RS04605 WP 002262865.1     S.KALRKEFNRFPSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKIIQDLS.KQFV   135
consensus                                  * *** **********!****!!**!***!**!***!**!***!!** *****!!*! ***************** ****

logo
NTDB id 114 BSU 16110 NP 389493.1          IVSGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSEHPPETKPQKWHFPMRNRIISGLSE   223
NTDB id 626 LCA RS04960 WP 011374694.1     IISGLAQGADAMAHEVALQRGLAPIGVIGTGINCSYPPQNEHLQQVVAEKGLLLSEYALGTPARRYQFPARNKIIAGLCH   221
NTDB id 599 KW2 RS05940 WP 021037268.1     IVSGLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQEYLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSR   216
NTDB id 525 SMSK321 RS06295 WP 000705298.1 IVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCR   217
NTDB id 497 SM12261 RS05565 WP 000705318.1 IVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCR   217
NTDB id 267 KZH43 RS05590 WP 000705306.1   IVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCR   217
NTDB id 226 SPD RS05990 WP 000705306.1     IVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCR   217
NTDB id 192 SPR RS05715 WP 000705306.1     IVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCR   217
NTDB id 157 SP RS06205 WP 000705306.1      IVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCR   217
NTDB id 185358 A9497 RS00820 WP 011225887.1 IVSGLARGIDTCAHMEALKNKGNTIAVIGTGLDVYYPKENKALQDYMAKNHLVLTEYGPGEQPLKYHYPERNRIISGLCQ   215
NTDB id 407 SMU RS04605 WP 002262865.1     IISGLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQDYIAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQ   215
consensus                                  !*!!!!*!*!***!**********!*!!**!****!!**!*************!*!************!*!!*!!*!!**
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logo

NTDB id 114 BSU 16110 NP 389493.1          GVIVVQGKEKSGSLITAYQALEQGREVFAVPGSLFDPYAGGPIKLIQQGAKAIWSAEDIFEELPERNVQYTEPF   297
NTDB id 626 LCA RS04960 WP 011374694.1     SLIVTEARHKSGSLITANLALQANRNVYAIPGRIDQSLSQGCNQLIAAGATPLLDKNILIEELRYFD.......   288
NTDB id 599 KW2 RS05940 WP 021037268.1     GVVVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN........   282
NTDB id 525 SMSK321 RS06295 WP 000705298.1 GVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.........   282
NTDB id 497 SM12261 RS05565 WP 000705318.1 GVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.........   282
NTDB id 267 KZH43 RS05590 WP 000705306.1   GVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.........   282
NTDB id 226 SPD RS05990 WP 000705306.1     GVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.........   282
NTDB id 192 SPR RS05715 WP 000705306.1     GVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.........   282
NTDB id 157 SP RS06205 WP 000705306.1      GVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF.........   282
NTDB id 185358 A9497 RS00820 WP 011225887.1 GVMVVEAKLRSGSLITCERAMEEGRDVFAIPGNILDGKSDGCHHLIQEGAKCITTGFDIISEFS..........   279
NTDB id 407 SMU RS04605 WP 002262865.1     GVMVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF.........   280
consensus                                  ***!******!!!!!!***!****!*****!!********!***!!**!!***********!***
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X non conserved

X similar

X $\geq$ 50% conserved