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logo
NTDB id 114 BSU 16110 NP 389493.1          ..MDQAAVCLTICRINQL....LSPSLLLKWWKADPSMSLTSPVLQTVTRDQIKAAALKNEIEQFYPKLPRVLAAYRE..   72
NTDB id 626 LCA RS04960 WP 011374694.1     .MLTKNQLLLKVHL..AAGFGTISELRLAAWLSTSHNWALS.....ALEIAQIA.....RLPERYWP...TFQASFQSTT   64
NTDB id 1250 GCO85 RS13065 WP 027219989.1  ..MNNLQPLLALNRMKRIG........PRTVLKLQKRWPDLN.LMFQLSSVDLEEA...GLPSWLAQTIKNFDPDFIKTD   66
NTDB id 599 KW2 RS05940 WP 021037268.1     .MITNFDL....FRWKKAGMTNLG...VNKLLKFFRKYDRKI.SLRQM..GQVAQV...KSIPNFIEQYKNQDVKKLRAD   66
NTDB id 525 SMSK321 RS06295 WP 000705298.1 MKITNYEI....YKLKKSGLTNQQ...ILKVLEYGENVDQEL.LLGDI..ADISGC...RNPAVFMERYFQIDDAHLEKE   67
NTDB id 497 SM12261 RS05565 WP 000705318.1 MKITNYEI....YKLKKSGLTNQQ...VLAVLEYGENVDQEL.LLGDI..AEISGC...RNPAVFMERYFQIDDAHLEKE   67
NTDB id 267 KZH43 RS05590 WP 000705306.1   MKITNYEI....YKLKKSGLTNQQ...ILKVLEYGENVDQEL.LLGDI..ADISGC...RNPAVFMERYFQIDDAHLSKE   67
NTDB id 226 SPD RS05990 WP 000705306.1     MKITNYEI....YKLKKSGLTNQQ...ILKVLEYGENVDQEL.LLGDI..ADISGC...RNPAVFMERYFQIDDAHLSKE   67
NTDB id 192 SPR RS05715 WP 000705306.1     MKITNYEI....YKLKKSGLTNQQ...ILKVLEYGENVDQEL.LLGDI..ADISGC...RNPAVFMERYFQIDDAHLSKE   67
NTDB id 157 SP RS06205 WP 000705306.1      MKITNYEI....YKLKKSGLTNQQ...ILKVLEYGENVDQEL.LLGDI..ADISGC...RNPAVFMERYFQIDDAHLSKE   67
NTDB id 383597 FY406 RS08830 WP 003088293.1 ..MDNFQL....FKLKKAGLTNLN...VLHILAYQKKKGKSL.SLRDM..AVVSKC...RDPLLFIENYKNLKSKELRDE   65
NTDB id 407 SMU RS04605 WP 002262865.1     ..MDNFQL....FKLKKAGLTNLN...ILNIIDYEERTQKSL.SLRDM..AVVSKN...KKPLIFMEHYKNLDSKALRKE   65
consensus                                    ******    *****  ****  *   ******* ****  * **  **  ******   * * ****** *** * *  **
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logo
NTDB id 114 BSU 16110 NP 389493.1          .........QGINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICRKGWV   143
NTDB id 626 LCA RS04960 WP 011374694.1     LQRQCIDHEVRTTYLTILDKDYPQRLLETYLPPVLLFYRGDLRLLKQ.PCLAVVGARQATHYSKQSLEQLLQGLTA..TT   141
NTDB id 1250 GCO85 RS13065 WP 027219989.1  LN..WLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGNENARAFSREISRHGVS   143
NTDB id 599 KW2 RS05940 WP 021037268.1     YK..KFS......SFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVTELNQ.SFT   136
NTDB id 525 SMSK321 RS06295 WP 000705298.1 FK..KIP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKIIQGLEN.ELV   137
NTDB id 497 SM12261 RS05565 WP 000705318.1 FQ..KFP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.ELV   137
NTDB id 267 KZH43 RS05590 WP 000705306.1   FQ..KFP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.ELV   137
NTDB id 226 SPD RS05990 WP 000705306.1     FQ..KFP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.ELV   137
NTDB id 192 SPR RS05715 WP 000705306.1     FQ..KFP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.ELV   137
NTDB id 157 SP RS06205 WP 000705306.1      FQ..KFP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLEN.ELV   137
NTDB id 383597 FY406 RS08830 WP 003088293.1 FN..RFP......SLSILDKDYPLELKNIYNPPALLFYQGDLELMNR.PKLAVVGSRNVSKTGVDSVKKIIRELEN.RFV   135
NTDB id 407 SMU RS04605 WP 002262865.1     FN..RFP......SLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKIIQDLSK.QFV   135
consensus                                  **  ***      ******* !!**! **** !******!******  *****!!*!  ** * ************  **
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logo
NTDB id 114 BSU 16110 NP 389493.1          IVSGLASGIDGMSHAASIKAKGRTIGVIAGGFQHIYPRENLQLADHMAKHHILLSEHPPETKPQKWHFPMRNRIISGLSE   223
NTDB id 626 LCA RS04960 WP 011374694.1     IISGLAQGADAMAHEVALQRGLAPIGVIGTGINCSYPPQNEHLQQVVAEKGLLLSEYALGTPARRYQFPARNKIIAGLCH   221
NTDB id 1250 GCO85 RS13065 WP 027219989.1  IVSGLALGIDAHAHLGCLEGGGKTIAVLGTGIDCIYPRRHLKLAEQITENGLLLSEFPLKSPPIAGHFPLRNRIISGLSL   223
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 383597 FY406 RS08830 WP 003088293.1 IVSGLARGVDTAAHLASLKNGGATIAVIGAGLDVYYPKENRQLQSYIAKNHLLLSEYAPNSQPLKYHFPERNRIIAGLSR   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 1250 GCO85 RS13065 WP 027219989.1  CILVIEAAIKSGSLITARMALEQNRDVLAIPGSIHNPLARGCHYLLQQGAKLVTSVADVLDELKIEHHQFTSNKPIFSLA   303
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 383597 FY406 RS08830 WP 003088293.1 GVVVAEAKIRSGSLITCERALEEGRDVFAVPGNILDGQSDGCHHLIQEGAKCTTSGMDVLNEYQLRK..............   282
NTDB id 407 SMU RS04605 WP 002262865.1     GVMVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF................   280
consensus                                  ***!******!!!!!!***!****!*****!!*******!***!***!!**********  !* *


logo

NTDB id 114 BSU 16110 NP 389493.1          ............................................................   297
NTDB id 626 LCA RS04960 WP 011374694.1     ............................................................   288
NTDB id 1250 GCO85 RS13065 WP 027219989.1  SGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER   361
NTDB id 599 KW2 RS05940 WP 021037268.1     ............................................................   282
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
NTDB id 383597 FY406 RS08830 WP 003088293.1 ...........................................................   282
NTDB id 407 SMU RS04605 WP 002262865.1     ............................................................   280
consensus
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X non conserved
X similar
X ≥ 50% conserved