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logo
NTDB id 114 BSU 16110 NP 389493.1          ..MDQAAVCLTICRINQLL....SPSLLLKWWKADPSMSLTSPVLQTVTRDQIKAAALKNEIEQFYPKLPRVLAAYREQ.   73
NTDB id 626 LCA RS04960 WP 011374694.1     .MLTKNQLLLKVH..LAAGFGTISELRLAAWLSTSHNWALS.....ALEIAQI.....ARLPERYWPTF...QASFQSTT   64
NTDB id 1250 GC085 RS13065 WP 027219989.1  ..MNNLQPLLALNRMKRIGP.......RTVLKLQKRWPDLN.LMFQLSSVDLEE...AGLPSWLAQTIKNFDPDFIKTD   66
NTDB id 599 KW2 RS05940 WP 021037268.1     .MITNFD....LFRWKKAGMTNL...GVNKLLKFFRKYDRKI.SLRQM..GQVAQ...VKSIPNFIEQYKNQDVKKLRAD   66
NTDB id 525 SMSK321 RS06295 WP 000705298.1 MKITNYE....IYKLKKSGLTNQ...QILKVLEYGENVDQEL.LLGDI..ADISG...CRNPAVFMERYFQIDDAHLEKE   67
NTDB id 267 KZH43 RS05590 WP 000705306.1   MKITNYE....IYKLKKSGLTNQ...QILKVLEYGENVDQEL.LLGDI..ADISG...CRNPAVFMERYFQIDDAHLSKE   67
NTDB id 226 SPD RS05990 WP 000705306.1     MKITNYE....IYKLKKSGLTNQ...QILKVLEYGENVDQEL.LLGDI..ADISG...CRNPAVFMERYFQIDDAHLSKE   67
NTDB id 192 SPR RS05715 WP 000705306.1     MKITNYE....IYKLKKSGLTNQ...QILKVLEYGENVDQEL.LLGDI..ADISG...CRNPAVFMERYFQIDDAHLSKE   67
NTDB id 157 SP RS06205 WP 000705306.1      MKITNYE....IYKLKKSGLTNQ...QILKVLEYGENVDQEL.LLGDI..ADISG...CRNPAVFMERYFQIDDAHLSKE   67
NTDB id 497 SM12261 RS05565 WP 000705318.1 MKITNYE....IYKLKKSGLTNQ...QVLAVLEYGENVDQEL.LLGDI..AEISG...CRNPAVFMERYFQIDDAHLEKE   67
NTDB id 1127343 FGK96 RS04505 WP 138081761.1 ..MNNFE....LYKLRKAGLKNH...HILNVINYYQTYGKSL.SLRNI..AVASE...TSDPIQFIETYKAIDSKALRKE   65
NTDB id 407 SMU RS04605 WP 002262865.1     ..MDNFQ....LFKLKKAGLTNL...NILNIIDYEERTQKSL.SLRDM..AVVSK...NKKPLIFMEHYKNLDSKALRKE   65
consensus                                    *****    ****** ****    ******** ****  * ** **  *****    * * ****** *** * * **
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logo
NTDB id 114 BSU 16110 NP 389493.1          ..........GINTIPISSKQYPFWLKSIYDPPAVLFAKGDMTLLSKGRKIGIVGTRNPTAYGKQVVNHLTKEICRKGWV  143
NTDB id 626 LCA RS04960 WP 011374694.1     LQRQCIDHEVRTTYLTILDKDYPQRLLETYLPPVLLFYRGDLRLLKQ.PCLAVVGARQATHYSKQSLEQLLQGLT..ATT  141
NTDB id 1250 GC085 RS13065 WP 027219989.1  LN..WLSSSENHHILTWDSPYYPALLKEIADPPFILYAKGELSALTQ.PSLAIVGSRNASVTGNENARAFSREISRHGVS  143
NTDB id 599 KW2 RS05940 WP 021037268.1     YK..KFS......SFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIVTELN.QSFT  136
NTDB id 525 SMSK321 RS06295 WP 000705298.1 FK..KIP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKIIQGLE.NELV  137
NTDB id 267 KZH43 RS05590 WP 000705306.1   FQ..KFP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.NELV  137
NTDB id 226 SPD RS05990 WP 000705306.1     FQ..KFP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.NELV  137
NTDB id 192 SPR RS05715 WP 000705306.1     FQ..KFP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.NELV  137
NTDB id 157 SP RS06205 WP 000705306.1      FQ..KFP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.NELV  137
NTDB id 497 SM12261 RS05565 WP 000705318.1 FQ..KFP......SFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVIQGLE.NELV  137
NTDB id 1127343 FGK96 RS04505 WP 138081761.1 FN..QYP......SISLLDKNYPSYLKEIYNPPVLLFYQGNLELLNY.PKLAVVGSRKASQSGLKATQKIIEELN.NKLI  135
NTDB id 407 SMU RS04605 WP 002262865.1     FN..RFP......SLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKIIQDLS.KQFV  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 GC085 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 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 497 SM12261 RS05565 WP 000705318.1 IVSGLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQDYIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCR  217
NTDB id 1127343 FGK96 RS04505 WP 138081761.1 IVSGLARGVDTAAHCCALKTGGHTIAVIGSGFTHYYPKENQRLQKFIASNHLLLTEYGPNDPPLSIHFSERNRIIAGLAK  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 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 497 SM12261 RS05565 WP 000705318.1       GVIVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF................   282
NTDB id 1127343 FGK96 RS04505 WP 138081761.1     AVLVIEAKRRSGSLITCRYALENGREVFAIPGNISDGFSDGCNQLIQEGAKCIMSGLDVLTELF................   279
NTDB id 407 SMU RS04605 WP 002262865.1           GVMVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF................   280
consensus                                        ***!*****!!!!!!***!****!*****!!********!***!***!!**********  !*  *

logo

                                                 SGKENLVKFIGFETTTIDQIIDRSGYGMEQVTSGLAELELKGAVIAVPGGYIRCEYER
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 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 1127343 FGK96 RS04505 WP 138081761.1     ............................................................   279
NTDB id 407 SMU RS04605 WP 002262865.1           ............................................................   280
consensus
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X non conserved

X similar

X $\geq$ 50% conserved