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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 1145086 STACADC2 RS04300 WP 011225887.1 ................MNNFELFKL.KAAGLTNLNILNILDYQKN.QDKKLSLRDMAVVSKS..K..NAVLFMEKYKNLD   58
NTDB id 407 SMU RS04605 WP 002262865.1           ................MDNFQLFKL.KKAGLTNLNILNIIDYEER.TQKSLSLRDMAVVSKN..K..KPLIFMEHYKNLD   58
consensus                                                          *********** ******************* ***************  *   *************

logo
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 1145086 STACADC2 RS04300 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 1145086 STACADC2 RS04300 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 1145086 STACADC2 RS04300 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