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logo
NTDB id 1361 HI 0985 AAC22646.1          MNDITYTLLRLMQVPKLGGVGIDKILSNITLNELLNYDDVAFRQMGW.GAIQIRRWFK..PEAKFIEPALVWSQKEGNH.   76
NTDB id 25 SA RS06185 WP 000593194.1     .MI.KLFLLKL......YWAH....FSTKQIHQFLMAYPNVIKEEGRKKDSYLCEWVNREENVLLLRKYYAFIKLDHNDI   68
NTDB id 599 KW2 RS05940 WP 021037268.1   .MITNFDLFRW......KKAG....MTNLGVNKLLKFFRKYDRKISL.RQ..MGQVAQVKSIPNFIEQ...YKNQDVKKL   63
NTDB id 407 SMU RS04605 WP 002262865.1   ..MDNFQLFKL......KKAG....LTNLNILNIIDYEERTQKSLSL.RD..MAVVSKNKKPLIFMEH...YKNLDSKAL   62
NTDB id 525 SMSK321 RS06295 WP 000705298.1 MKITNYEIYKL.....KKSG....LTNQQILKVLEYGENVDQELLL.GD..IADISGCRNPAVFMER...YFQIDDAHL   64
NTDB id 497 SM12261 RS05565 WP 000705318.1 MKITNYEIYKL.....KKSG....LTNQQVLAVLEYGENVDQELLL.GD..IAEISGCRNPAVFMER...YFQIDDAHL   64
NTDB id 317186 D7D53 RS03585 WP 120770152.1 MKITNYEIYKL.....KKSG....LTNQQILKVLEYGENVDQELLL.GD..IADISGCRNPAVFMER...YFQIDDAHL   64
NTDB id 267 KZH43 RS05590 WP 000705306.1 MKITNYEIYKL.....KKSG....LTNQQILKVLEYGENVDQELLL.GD..IADISGCRNPAVFMER...YFQIDDAHL   64
NTDB id 226 SPD RS05990 WP 000705306.1   MKITNYEIYKL.....KKSG....LTNQQILKVLEYGENVDQELLL.GD..IADISGCRNPAVFMER...YFQIDDAHL   64
NTDB id 192 SPR RS05715 WP 000705306.1   MKITNYEIYKL.....KKSG....LTNQQILKVLEYGENVDQELLL.GD..IADISGCRNPAVFMER...YFQIDDAHL   64
NTDB id 157 SP RS06205 WP 000705306.1    MKITNYEIYKL.....KKSG....LTNQQILKVLEYGENVDQELLL.GD..IADISGCRNPAVFMER...YFQIDDAHL   64
consensus                                ***********     ****    ********************** **  ***************   *********
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logo
NTDB id 1361 HI 0985 AAC22646.1          ..........LVNYFSPFYPFLLKQTASFPPLLFVKGNLTALSQ.RQMAMVGSRYCTTYGEYWAKHFATELSLAGFTITS   145
NTDB id 25 SA RS06185 WP 000593194.1     IKELQKLKVSYITYMDSEYPVLLKEIYQFPLLLFYKGNIKLINNMHHLAVVGARDSTSYTQQSLEFLLSNDKSKYLTIVS   148
NTDB id 599 KW2 RS05940 WP 021037268.1   RADYK..KFSSFSILDDLYPERLREIYNPPVLIFYQGNIDLLKN.PKLAFVGSRLAGQSGIKSVQKIV.TELNQSFTIVS   139
NTDB id 407 SMU RS04605 WP 002262865.1   RKEFN..RFPSLSILDKEYPLELKNIYNPPVLLFYQGDLDLLAR.PKLAVVGSRNASQMGVAAVKKII.QDLSKQFVIIS   138
NTDB id 525 SMSK321 RS06295 WP 000705298.1 EKEFK..KIPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRSCSKQGAKSVEKII.QGLENELVIVS   140
NTDB id 497 SM12261 RS05565 WP 000705318.1 EKEFQ..KFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVI.QGLENELVIVS   140
NTDB id 317186 D7D53 RS03585 WP 120770152.1 EKEFQ..KFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVI.QGLENELVIVS   140
NTDB id 267 KZH43 RS05590 WP 000705306.1 SKEFQ..KFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVI.QGLENELVIVS   140
NTDB id 226 SPD RS05990 WP 000705306.1   SKEFQ..KFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVI.QGLENELVIVS   140
NTDB id 192 SPR RS05715 WP 000705306.1   SKEFQ..KFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVI.QGLENELVIVS   140
NTDB id 157 SP RS06205 WP 000705306.1    SKEFQ..KFPSFSILDDCYPWDLSEIYDAPVLLFYKGNLDLLKF.PKVAVVGSRACSKQGAKSVEKVI.QGLENELVIVS   140
consensus                                ****  ***********!!**!******!*!*!**!******* ***!*!!*!**************** ********!*!
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logo
NTDB id 1361 HI 0985 AAC22646.1          GLALGIDGHCHQAVVNIQGQTIAVLGSGLEQIYPSKHQRLSAQIIENNGALVSEFLPNQAPIAANFPRRNRIISGLSVGT   225
NTDB id 25 SA RS06185 WP 000593194.1     GLAQGADAMAHQIALKYNLPTIAVLAFGHQTHYPKSTLALRN.KIEEKGLVISEYPPHTPIAKYRFPERNRIISGLSKGV   227
NTDB id 599 KW2 RS05940 WP 021037268.1   GLAKGIDTASHLSAIKTKTPTIAVIGTGLDIFYPLENRKIQE.YLAKYQLVLSEYSLGEKPLKYHFPERNRIIAGLSRGV   218
NTDB id 407 SMU RS04605 WP 002262865.1   GLARGIDTAAHLASLKSGGATIAVIGTGLDVHYPKENRRLQD.YIAKNHLLLSEYEAQSQPLKYHFPERNRIIAGLSQGV   217
NTDB id 525 SMSK321 RS06295 WP 000705298.1 GLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YISNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGV   219
NTDB id 497 SM12261 RS05565 WP 000705318.1 GLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGV   219
NTDB id 317186 D7D53 RS03585 WP 120770152.1 GLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQN.YIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGV   219
NTDB id 267 KZH43 RS05590 WP 000705306.1 GLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGV   219
NTDB id 226 SPD RS05990 WP 000705306.1   GLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGV   219
NTDB id 192 SPR RS05715 WP 000705306.1   GLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGV   219
NTDB id 157 SP RS06205 WP 000705306.1    GLAKGIDTAAHMAALQNGGKTIAVIGTGLDVFYPKANKRLQD.YIGNDHLVLSEYGPGEQPLKFHFPARNRIIAGLCRGV   219
consensus                                !!!*!*!***!*********!!!!***!****!!******** *********!!***********!!*!!!!!*!!**!*
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logo
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NTDB id 1361 HI 0985 AAC22646.1              LVVEATEKSGSLITARYALEQNREVFAVPGNIQNKSSQGCHRLIKQGAMLVENAKDILETLYQHSIHSQTEIDFDQIAVP   305
NTDB id 25 SA RS06185 WP 000593194.1         LITEAKEQSGSHITIDFALEQNRNVYVLPGSMFNPMTKGNLLRIQEGAKVVLNANDIFEDYYI.................   290
NTDB id 599 KW2 RS05940 WP 021037268.1       VVVEAKLRSGSLITCERALEEGRDIFAIPGNIADGTSDGCNHLIQQGAKLVYQAQDILEEYLYN................   282
NTDB id 407 SMU RS04605 WP 002262865.1       MVAEAKIRSGSLITCERAMEEGRDVFVVPGNILDGQSEGCHHLIQEGAKCITSGFDILNEFNF..................   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1   IVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1   IVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..................   282
NTDB id 317186 D7D53 RS03585 WP 120770152.1 IVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGKDVLAEFEF..................   282
NTDB id 267 KZH43 RS05590 WP 000705306.1     IVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..................   282
NTDB id 226 SPD RS05990 WP 000705306.1       IVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..................   282
NTDB id 192 SPR RS05715 WP 000705306.1       IVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..................   282
NTDB id 157 SP RS06205 WP 000705306.1        IVAEAKMRSGSLITCERAMEEGRDVFAIPGSILDGLSDGCHHLIQEGAKLVTSGQDVLAEFEF..................   282
consensus                                    ***!!***!!!*!!***!*!**!*****!!********!****!**!!*******!*******
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logo
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NTDB id 1361 HI 0985 AAC22646.1              NYTPPPDPRRLVEAPSHPKLYSRIGYTPVSIDDLAEEFNLSVDVLLVQLLDLELQDLIISENGLYKRV   373
NTDB id 25 SA RS06185 WP 000593194.1         ............................................................................   290
NTDB id 599 KW2 RS05940 WP 021037268.1       ............................................................................   282
NTDB id 407 SMU RS04605 WP 002262865.1       ............................................................................   280
NTDB id 525 SMSK321 RS06295 WP 000705298.1   ............................................................................   282
NTDB id 497 SM12261 RS05565 WP 000705318.1   ............................................................................   282
NTDB id 317186 D7D53 RS03585 WP 120770152.1 ............................................................................   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