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logo
NTDB id 486 SM12261 RS09375 WP 020902616.1    ....MDFLAVLVVILHIFIISKSYYLICK.NKINIKELCFFGGYTFLVESVFELSFYFIYLDGLG........IEKFLFP    67
NTDB id 514 SMSK321 RS10615 WP 001048129.1    ....MNLFGVGLVIVYFLIISHSYRLICK.GQINRKELYVFSAYILLTEIVLDFPSYLLHLDDLG........IVKFLFP    67
NTDB id 138 SP RS11430 WP 000364845.1         ....MDLLGFGTVIVHFLIISHSYRLICK.GRINRKELYVFGAYTLLTEIVLEFSFYLLYLDKIG........IERFLFP    67
NTDB id 249 KZH43 RS10250 WP 000362880.1      ....MDLFGFGTVIVHFLIISHSYHFICK.GQINRKELFVFGAYTLLTEIVFDFPLYILYLDGLG........IERFLFP    67
NTDB id 208 SPD RS10925 WP 000362880.1        ....MDLFGFGTVIVHFLIISHSYHFICK.GQINRKELFVFGAYTLLTEIVFDFPLYILYLDGLG........IERFLFP    67
NTDB id 174 SPR RS10405 WP 000362880.1        ....MDLFGFGTVIVHFLIISHSYHFICK.GQINRKELFVFGAYTLLTEIVFDFPLYILYLDGLG........IERFLFP    67
NTDB id 247943 CO687 RS03075 WP 301335837.1  MMNFEKIFAIFSLLVQTISFVTVYKKICDIKKLNISIIFLYLTISFSSLI..LAQFYNLLPEYGDVLSTFLHYLLIFFQP    78
NTDB id 419 DQL23 RS10745 WP 060553298.1     .MILKIIIAFFPTIIQVVSYEIFHKKIMQSKKIDIKFIGLFFSIVFGISI..ISSILIEIPSFGDVISSIFHYIFLFIQP    77
NTDB id 416 SGO RS10505 WP 012131078.1       .MIFTIILSLFPVIIQVFSYDFFYNKINRKKKINIKLIILFWGLIMVISF..LYSLFLLLPDYWKIFRDIFHYLFLLIQP    77
consensus                                        ********************  !** ********************  ** *******  **        ******!

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NTDB id 486 SM12261 RS09375 WP 020902616.1    LVLYSYFRF.IKKYEKYRGVFLSLLLSLLYNSTHTFLSVTLSSIIGDDTALQYHSLFFLVVVALTYVVIVTIIRYFHLEL   146
NTDB id 514 SMSK321 RS10615 WP 001048129.1    LVLYSYFRW.IKQYERDRGLFLSLLLSLLYESTHNFLSVTLSSLTGDNFVLQYYEPFFFLVTVLTYVVILKIIHYFHLDL   146
NTDB id 138 SP RS11430 WP 000364845.1         LGLYSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVIFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLEL   146
NTDB id 249 KZH43 RS10250 WP 000362880.1      LGLYSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLEL   146
NTDB id 208 SPD RS10925 WP 000362880.1        LGLYSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLEL   146
NTDB id 174 SPR RS10405 WP 000362880.1        LGLYSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLEL   146
NTDB id 247943 CO687 RS03075 WP 301335837.1  LILHLYFS.KKGLYKGYVSIFLSLLIYLSVSSSSETFFSVIISSVTGDDFVNQYWGSYYTIVNILALFFVLKSFEFFEFEF   157
NTDB id 419 DQL23 RS10745 WP 060553298.1     LIFYKYFL.KRKEYDNYLNLFLSFVIYLSVETSETFLSVIISSITGDYFVKQHYDIFYIIINLLSLFIILKVVDFFDFYF   156
NTDB id 416 SGO RS10505 WP 012131078.1       LIFYKYFLIKRKEYENYLNLFLSFVIYLSVETSETFLSVIISSITGDSFVKQHYDIFYIIINLLSLFIILKVVDFFDFYF   157
consensus                                    !****!!** ***!******!!!****!*******!*!!**!!**!!****!** ********!********* *!****

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NTDB id 486 SM12261 RS09375 WP 020902616.1    NYFDKDYLYPFLKKVFFALLLLHVVSFISDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKEKMEKEIALKQKKFEQ   226
NTDB id 514 SMSK321 RS10615 WP 001048129.1    NYFDKDYLYPFLTKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKDQMEKEIALKQKKFEQ   226
NTDB id 138 SP RS11430 WP 000364845.1         AYFDKDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQ   226
NTDB id 249 KZH43 RS10250 WP 000362880.1      AYFDEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQ   226
NTDB id 208 SPD RS10925 WP 000362880.1        AYFDEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQ   226
NTDB id 174 SPR RS10405 WP 000362880.1        AYFDEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQ   226
NTDB id 247943 CO687 RS03075 WP 301335837.1  SYFKNFDFEKEIMNVIKIYVTIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQHEKAKEIQQKKEEQ   237
NTDB id 419 DQL23 RS10745 WP 060553298.1     EYYKEPIYKNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQHEKAKEIQQKKEEQ   236
NTDB id 416 SGO RS10505 WP 012131078.1       EYYKEPIYKNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQYEKAKEIQQKKEEQ   237
consensus                                     !**********!*******!*****!***!***!!!!!*!****!*!!**!*!*!***!*****!!*****!!!*!!

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NTDB id 486 SM12261 RS09375 WP 020902616.1    KHLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGDLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLV   306
NTDB id 514 SMSK321 RS10615 WP 001048129.1    KHLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLV   306
NTDB id 138 SP RS11430 WP 000364845.1         KHLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLV   306
NTDB id 249 KZH43 RS10250 WP 000362880.1      KHLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLV   306
NTDB id 208 SPD RS10925 WP 000362880.1        KHLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLV   306
NTDB id 174 SPR RS10405 WP 000362880.1        KHLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLV   306
NTDB id 247943 CO687 RS03075 WP 301335837.1  RQLQLYTDEIVGLYNEIRGFRHDYAGMLTSLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVL   317
NTDB id 419 DQL23 RS10745 WP 060553298.1     RQLQLYTDEIVGLYNEIRGFRHDYAGMLISLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVL   316
NTDB id 416 SGO RS10505 WP 012131078.1       RQLQLYTDEIVGLYNEIRGFRHDYAGMLTSLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVL   317
consensus                                    **!!*!!!!!!!!!!!!!!!!!!!!!!!!*!*!**!*!!***!**!****!!**!!**!!!!*!!*!*!!!!**!*!!!!**
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NTDB id 486 SM12261 RS09375 WP 020902616.1    AQSIVYARNNGVEFTLEVKDKITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTP   386
NTDB id 514 SMSK321 RS10615 WP 001048129.1    AQSIVYARNNGVEFTLEVKDIITRLPIDLLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTP   386
NTDB id 138 SP RS11430 WP 000364845.1         AQSIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTP   386
NTDB id 249 KZH43 RS10250 WP 000362880.1      AQSIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTP   386
NTDB id 208 SPD RS10925 WP 000362880.1        AQSIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTP   386
NTDB id 174 SPR RS10405 WP 000362880.1        AQSIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTP   386
NTDB id 247943 CO687 RS03075 WP 301335837.1   IQTIFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYIN   397
NTDB id 419 DQL23 RS10745 WP 060553298.1      IQTIFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYIN   396
NTDB id 416 SGO RS10505 WP 012131078.1        IQTIFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYIN   397
consensus                                     *!*!**!!**!!!***!*!! !**!!**!!!!!!**!!!!!!!!!!*!*!**!*!*!***!***!*!*!!!!!*******

logo

NTDB id 486 SM12261 RS09375 WP 020902616.1    SGDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 514 SMSK321 RS10615 WP 001048129.1    SGDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 138 SP RS11430 WP 000364845.1         SGDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 249 KZH43 RS10250 WP 000362880.1      SGDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 208 SPD RS10925 WP 000362880.1        SGDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 174 SPR RS10405 WP 000362880.1        SGDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 247943 CO687 RS03075 WP 301335837.1   LEEIYEVGFSTKGENRGLGLNNVKEIIDKYDEVILETDIETNYFIQVVRFKRKEQI   453
NTDB id 419 DQL23 RS10745 WP 060553298.1      LEEIYEVGFSTKGENRGLGLNNVKEIIDKYDEVILETDIETNYFIQVVRFKRKEKI   452
NTDB id 416 SGO RS10505 WP 012131078.1        LEEIYEVGFSTKGENRGLGLNNVKEIIDKYDEVILETDIETNYFIQVVRFKRKEKI   453
consensus                                     *******!!!!!!*!!!*!!!!!!!**!!!***!!!!**!***!*!**!!!!***
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X non conserved

X similar

X $\geq$ 50% conserved