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logo

NTDB id 486 SM12261 RS09375 WP 020902616.1      MDFLAVLVVILHIFIISKSYYLICKNKINIKEL......CFFGG....YTFLVESVFELSFYFIYLDGLG..IEKFLFPL   68
NTDB id 514 SMSK321 RS10615 WP 001048129.1      MNLFGVGLVIVYFLIISHSYRLICKGQINRKEL......YVFSA....YILLTEIVLDFPSYLLHLDDLG..IVKFLFPL   68
NTDB id 138 SP RS11430 WP 000364845.1           MDLLGFGTVIVHFLIISHSYRLICKGRINRKEL......YVFGA....YTLLTEIVLEFSFYLLYLDKIG..IERFLFPL   68
NTDB id 249 KZH43 RS10250 WP 000362880.1        MDLFGFGTVIVHFLIISHSYHFICKGQINRKEL......FVFGA....YTLLTEIVFDFPLYILYLDGLG..IERFLFPL   68
NTDB id 208 SPD RS10925 WP 000362880.1          MDLFGFGTVIVHFLIISHSYHFICKGQINRKEL......FVFGA....YTLLTEIVFDFPLYILYLDGLG..IERFLFPL   68
NTDB id 174 SPR RS10405 WP 000362880.1          MDLFGFGTVIVHFLIISHSYHFICKGQINRKEL......FVFGA....YTLLTEIVFDFPLYILYLDGLG..IERFLFPL   68
NTDB id 157731 SanJ4211 RS09655 WP 021002245.1  MNLDKI.FIIISFIIGILSFSI.VHKKISKVKIIDFRFTLLCLC...........LFLFSSFINSINSLLAYLCLLLEPV   67
NTDB id 419 DQL23 RS10745 WP 060553298.1        MILKII.IAFFPTIIQVVSYEI.FHKKIMQSKKIDIKFIGLFFSIVFGISIISSILIEIPSFGDVISSIFHYIFLFIQPL   78
NTDB id 416 SGO RS10505 WP 012131078.1          MIFTII.LSLFPVIIQVFSYDF.FYNKINRKKKINIKLIILFWGLIMVISFLYSLFLLLPDYWKIFRDIFHYLFLLIQPL   78
consensus                                       !** *** ******!***!* ******!*****      *****    ************ ****** **  ******!*

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NTDB id 486 SM12261 RS09375 WP 020902616.1      VLYSYFR.FIKKYEKYRGVFLSLLLSLLYNSTHTFLSVTLSSIIGDDTALQYHSLFFLVVVALTYVVIVTIIRYFHLELN   147
NTDB id 514 SMSK321 RS10615 WP 001048129.1      VLYSYFR.WIKQYERDRGLFLSLLLSLLYESTHNFLSVTLSSLTGDNFVLQYYEPFFFLVTVLTYVVILKIIHYFHLDLN   147
NTDB id 138 SP RS11430 WP 000364845.1           GLYSYFR.WMKQYERDRGLFLSLLLSLLYESTHNFLSVIFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELA   147
NTDB id 249 KZH43 RS10250 WP 000362880.1        GLYSYFR.WMKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELA   147
NTDB id 208 SPD RS10925 WP 000362880.1          GLYSYFR.WMKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELA   147
NTDB id 174 SPR RS10405 WP 000362880.1          GLYSYFR.WMKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELA   147
NTDB id 157731 SanJ4211 RS09655 WP 021002245.1  IIYFYFY.RFKKYEKCISVFATFLIYSSVTTSETFFSVIISSVTGDKFVDRYWGLFYIFINIISLVFILKAIDYFKFNFK   146
NTDB id 419 DQL23 RS10745 WP 060553298.1        IFYKYFL.KRKEYDNYLNLFLSFVIYLSVETSETFLSVIISSITGDYFVKQHYDIFYIINLLSLFIILKVVDFFDFYFE   157
NTDB id 416 SGO RS10505 WP 012131078.1          IFYKYFLIKRKEYENYLNLFLSFVIYLSVETSETFLSVIISSITGDSFVKQHYDIFYIINLLSLFIILKVVDFFDFYFE   158
consensus                                       **!*!!* **!*!******!**************!*!!**!!**!!******* *!****************** *!****

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NTDB id 486 SM12261 RS09375 WP 020902616.1      YFDKDYLYPFLKKVFFALLLLHVVSFISDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKEKMEKEIALKQKKFEQK   227
NTDB id 514 SMSK321 RS10615 WP 001048129.1      YFDKDYLYPFLTKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKDQMEKEIALKQKKFEQK   227
NTDB id 138 SP RS11430 WP 000364845.1           YFDKDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQK   227
NTDB id 249 KZH43 RS10250 WP 000362880.1        YFDEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQK   227
NTDB id 208 SPD RS10925 WP 000362880.1          YFDEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQK   227
NTDB id 174 SPR RS10405 WP 000362880.1          YFDEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQK   227
NTDB id 157731 SanJ4211 RS09655 WP 021002245.1  YFKKADFKENIVQLNFYLLFIHFLLNLSHWLSNMKNLNSFSSMIATICFLMFMSTLFYLQSIREKYEKEEQIKQKEREQL   226
NTDB id 419 DQL23 RS10745 WP 060553298.1        YYKEPIYKNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQHEKAKEIQQKKEEQR   237
NTDB id 416 SGO RS10505 WP 012131078.1          YYKEPIYKNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQYEKAKEIQQKKEEQR   238
consensus                                       !**********************!*****!***!****!!!!*!****!*!*****!*!***!*****!!*****!!**!!*

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NTDB id 486 SM12261 RS09375 WP 020902616.1      HLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGDLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVA   307
NTDB id 514 SMSK321 RS10615 WP 001048129.1      HLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVA   307
NTDB id 138 SP RS11430 WP 000364845.1           HLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVA   307
NTDB id 249 KZH43 RS10250 WP 000362880.1        HLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVA   307
NTDB id 208 SPD RS10925 WP 000362880.1          HLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVA   307
NTDB id 174 SPR RS10405 WP 000362880.1          HLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVA   307
NTDB id 157731 SanJ4211 RS09655 WP 021002245.1  QLQKYTDEIVSLYNEIRGFRHDYGGMLASFQSAIHTGDIKEVERIYQEVLVNANLQLRSDKYTYFDLNNVGDSALRSVMT   306
NTDB id 419 DQL23 RS10745 WP 060553298.1        QLQLYTDEIVGLYNEIRGFRHDYAGMLISLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLI   317
NTDB id 416 SGO RS10505 WP 012131078.1          QLQLYTDEIVGLYNEIRGFRHDYAGMLTSLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLI   318
consensus                                       *!!*!!!!!!*!!!!!!!!!!!!!*!!!*!*!**!**!***!**!****!!**!!**!!!!!*!!*!*!!!**!*!!!!***
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logo
NTDB id 486 SM12261 RS09375 WP 020902616.1      QSIVYARNNGVEFTLEVKDKITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPS   387
NTDB id 514 SMSK321 RS10615 WP 001048129.1      QSIVYARNNGVEFTLEVKDIITRLPIDLLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPS   387
NTDB id 138 SP RS11430 WP 000364845.1           QSIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPS   387
NTDB id 249 KZH43 RS10250 WP 000362880.1        QSIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPS   387
NTDB id 208 SPD RS10925 WP 000362880.1          QSIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPS   387
NTDB id 174 SPR RS10405 WP 000362880.1          QSIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPS   387
NTDB id 157731 SanJ4211 RS09655 WP 021002245.1  QTLFKARDYNIELTFEVKDFVKPLPIKLLDLVRMTSVLLNNAIEGSAESYQKTMNVSLVDLDTETILVIQNSRKKRPLDL   386
NTDB id 419 DQL23 RS10745 WP 060553298.1        QTIFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYINL   397
NTDB id 416 SGO RS10505 WP 012131078.1          QTIFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYINL   398
consensus                                       !****!!****!***!*!! ***!!**!!!!!!**!!!!!!!*!!*!*!**!*!*!*******!***!!!!!********

logo
NTDB id 486 SM12261 RS09375 WP 020902616.1      GDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 514 SMSK321 RS10615 WP 001048129.1      GDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 138 SP RS11430 WP 000364845.1           GDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 249 KZH43 RS10250 WP 000362880.1        GDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 208 SPD RS10925 WP 000362880.1          GDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 174 SPR RS10405 WP 000362880.1          GDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 157731 SanJ4211 RS09655 WP 021002245.1  EEIYQTDFSTKGEGRGLGLSNIKEIINNYEGIILDTKIEDEYFTQVMRVRKEGL.   440
NTDB id 419 DQL23 RS10745 WP 060553298.1        EEIYEVGFSTKGENRGLGLNNVKEIIDKYDEVILETDIETNYFIQVVRFKRKEKI   452
NTDB id 416 SGO RS10505 WP 012131078.1          EEIYEVGFSTKGENRGLGLNNVKEIIDKYDEVILETDIETNYFIQVVRFKRKEKI   453
consensus                                       *******!!!!!**!!*!!*!*!!****!***!!*!**!***!*!**!******
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X non conserved

X similar

X $\geq$ 50% conserved