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logo
NTDB id 419 DQL23 RS10745 WP 060553298.1     .MILKIIIAFFPTIIQVVSYEIFHKKIMQSKKIDIKFIGLFFSIVFGISIISSILIEIPSFGDVISSIFHYIFLFIQPLI   79
NTDB id 416 SGO RS10505 WP 012131078.1       .MIFTIILSLFPVIIQVFSYDFFYNKINRKKKINIKLIILFWGLIMVISFLYSLFLLLPDYWKIFRDIFHYLFLLIQPLI   79
NTDB id 291451 DG474 RS09550 WP 255778222.1 MSLLGFGIVILHIFILTISYELICK.....VTK..KERYLFIACIFVYQSVAE....FFFDFISLAG..LGIEKFIFPFI   67
NTDB id 486 SM12261 RS09375 WP 020902616.1  MDFLAVLVVILHIFIISKSYYLICK.....NKINIKELCFFGGYTFLVESVFE....LSFYFIYLDG..LGIEKFLFPLV   69
NTDB id 138 SP RS11430 WP 000364845.1       MDLLGFGTVIVHFLIISHSYRLICK.....GRINRKELYVFGAYTLLTEIVLE....FSFYLLYLDK..IGIERFLFPLG   69
NTDB id 249 KZH43 RS10250 WP 000362880.1    MDLFGFGTVIVHFLIISHSYHFICK.....GQINRKELFVFGAYTLLTEIVFD....FPLYILYLDG..LGIERFLFPLG   69
NTDB id 208 SPD RS10925 WP 000362880.1      MDLFGFGTVIVHFLIISHSYHFICK.....GQINRKELFVFGAYTLLTEIVFD....FPLYILYLDG..LGIERFLFPLG   69
NTDB id 174 SPR RS10405 WP 000362880.1      MDLFGFGTVIVHFLIISHSYHFICK.....GQINRKELFVFGAYTLLTEIVFD....FPLYILYLDG..LGIERFLFPLG   69
NTDB id 514 SMSK321 RS10615 WP 001048129.1  MNLFGVGLVIVYFLIISHSYRLICK.....GQINRKELYVFSAYILLTEIVLD....FPSYLLHLDD..LGIVKFLFPLV   69
consensus                                   **************!***!!  ****     *  ***!****!************    **  *******  ********!**

logo
NTDB id 419 DQL23 RS10745 WP 060553298.1     FYKYFL.KRKEYDNYLNLFLSFVIYLSVETSETFLSVIISSITGDYFVKQHYDIFYIIINLLSLFIILKVVDFFDFYFEY  158
NTDB id 416 SGO RS10505 WP 012131078.1       FYKYFLIKRKEYENYLNLFLSFVIYLSVETSETFLSVIISSITGDSFVKQHYDIFYIIINLLSLFIILKVVDFFDFYFEY  159
NTDB id 291451 DG474 RS09550 WP 255778222.1 LYTSIL.AIKKYDKHKGMFISLLLSLLYHSTHTFLSVTLSSITGDAFVIEHEVMFYLGVLLLTYFIIKKIITYFHLELTY  146
NTDB id 486 SM12261 RS09375 WP 020902616.1  LYSYFR.FIKKYEKYRGVFLSLLLSLLYNSTHTFLSVTLSSIIGDDTALQYHSLFFLVVVALTYVVIVTIIRYFHLELNY  148
NTDB id 138 SP RS11430 WP 000364845.1       LYSYFR.WMKQYERDRGLFLSLLLSLLYESTHNFLSVIFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAY  148
NTDB id 249 KZH43 RS10250 WP 000362880.1    LYSYFR.WMKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAY  148
NTDB id 208 SPD RS10925 WP 000362880.1      LYSYFR.WMKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAY  148
NTDB id 174 SPR RS10405 WP 000362880.1      LYSYFR.WMKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAY  148
NTDB id 514 SMSK321 RS10615 WP 001048129.1  LYSYFR.WIKQYERDRGLFLSLLLSLLYESTHNFLSVTLSSLTGDNFVLQYYEPFFFLVTVLTYVVILKIIHYFHLDLNY  148
consensus                                   *!****  **!*!******!*!****!******!!!!**!!**!!*******  *!******!*********  *!****  !

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NTDB id 419 DQL23 RS10745 WP 060553298.1     YKEPIYKNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQHEKAKEIQQKKEEQRQ  238
NTDB id 416 SGO RS10505 WP 012131078.1       YKEPIYKNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQYEKAKEIQQKKEEQRQ  239
NTDB id 291451 DG474 RS09550 WP 255778222.1 FDKDYLYPFLKKVIVAFFGLHILLFISDIVSTTHHLNSFGSILSTIVFICLLLIFFAMNSHKVQIEKEIALKQKKFEQKH  226
NTDB id 486 SM12261 RS09375 WP 020902616.1  FDKDYLYPFLKKVFFALLLLHVVSFISDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKEKMEKEIALKQKKFEQKH  228
NTDB id 138 SP RS11430 WP 000364845.1       FDKDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKH  228
NTDB id 249 KZH43 RS10250 WP 000362880.1    FDEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKH  228
NTDB id 208 SPD RS10925 WP 000362880.1      FDEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKH  228
NTDB id 174 SPR RS10405 WP 000362880.1      FDEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKH  228
NTDB id 514 SMSK321 RS10615 WP 001048129.1  FDKDYLYPFLTKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKDQMEKEIALKQKKFEQKH  228
consensus                                   *********!**!*******!*****!***!***!!!!!*!****!*!!**!***!***!*****!!*****!!!*!!**

logo
NTDB id 419 DQL23 RS10745 WP 060553298.1     LQLYTDEIVGLYNEIRGFRHDYAGMLISLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLIQ  318
NTDB id 416 SGO RS10505 WP 012131078.1       LQLYTDEIVGLYNEIRGFRHDYAGMLTSLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLIQ  319
NTDB id 291451 DG474 RS09550 WP 255778222.1 LQTYTDEIVELYNEIRGFRHDYAGMLVSMQMAIDSGDLQEINRVYNEVLVKANQKLRSDKYTYFDLNNIEDSALRSLIAQ  306
NTDB id 486 SM12261 RS09375 WP 020902616.1  LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGDLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ  308
NTDB id 138 SP RS11430 WP 000364845.1       LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ  308
NTDB id 249 KZH43 RS10250 WP 000362880.1    LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ  308
NTDB id 208 SPD RS10925 WP 000362880.1      LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ  308
NTDB id 174 SPR RS10405 WP 000362880.1      LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ  308
NTDB id 514 SMSK321 RS10615 WP 001048129.1  LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ  308
consensus                                   !!*!!!!!!*!!!!!!!!!!!!!!!!*!*!**!*!!***!**!****!!**!!**!!!!*!!*!*!!!**!*!!!!***!
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logo
NTDB id 419 DQL23 RS10745 WP 060553298.1      TIFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYINLE   398
NTDB id 416 SGO RS10505 WP 012131078.1        TIFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYINLE   399
NTDB id 291451 DG474 RS09550 WP 255778222.1   SIVYARNNDVEFTLEVKDVITRLSMDLLDLVRIMSILLNNAVEGAADSYLKQMEVAVIKMDFETVIVIQNSCKITMTPSE   386
NTDB id 486 SM12261 RS09375 WP 020902616.1    SIVYARNNGVEFTLEVKDKITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSG   388
NTDB id 138 SP RS11430 WP 000364845.1         SIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSG   388
NTDB id 249 KZH43 RS10250 WP 000362880.1      SIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSG   388
NTDB id 208 SPD RS10925 WP 000362880.1        SIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSG   388
NTDB id 174 SPR RS10405 WP 000362880.1        SIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSG   388
NTDB id 514 SMSK321 RS10615 WP 001048129.1    SIVYARNNGVEFTLEVKDIITRLPIDLLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSG   388
consensus                                     *!**!!***!!***!*!! !**!***!!!!!!**!*!!!!!!!!!*!*!**!*!*!***!***!*!*!!!!!********

logo
NTDB id 419 DQL23 RS10745 WP 060553298.1      EIYEVGFSTKGENRGLGLNNVKEIIDKYDEVILETDIETNYFIQVVRFKRKEKI   452
NTDB id 416 SGO RS10505 WP 012131078.1        EIYEVGFSTKGENRGLGLNNVKEIIDKYDEVILETDIETNYFIQVVRFKRKEKI   453
NTDB id 291451 DG474 RS09550 WP 255778222.1   DLFALGFSTKGRNRGLGLNNVKEILDKYDNIILETEMEDNTFRQIIRFKREFE.   439
NTDB id 486 SM12261 RS09375 WP 020902616.1    DLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 138 SP RS11430 WP 000364845.1         DLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 249 KZH43 RS10250 WP 000362880.1      DLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 208 SPD RS10925 WP 000362880.1        DLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 174 SPR RS10405 WP 000362880.1        DLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 514 SMSK321 RS10615 WP 001048129.1    DLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
consensus                                     *****!!!!!!*!!!!*!!!!!!!**!!!***!!!!**!***!*!**!!!!***
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X non conserved

X similar

X $\geq$ 50% conserved