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logo
NTDB id 419 DQL23 RS10745 WP 060553298.1      .MILKIIIAFFPTIIQVVSYEIFHKKIMQSKKIDIKFIGLFFSIVFGISIISSILIEIPSFGDVISSIFHYIFLFIQPLI   79
NTDB id 416 SGO RS10505 RS10505 WP 012131078.1 .MIFTIILSLFPVIIQVFSYDFFYNKINRKKKINIKLIILFWGLIMVISFLYSLFLLLPDYWKIFRDIFHYLFLLIQPLI   79
NTDB id 486 SM12261 RS09375 WP 020902616.1   MDFLAVLVVILHIFIISKSYYLI.....CKNKINIKELCFFGGYTFL....VESVFELSFYFIYLDGL..GIEKFLFPLV   69
NTDB id 514 SMSK321 RS10615 WP 001048129.1   MNLFGVGLVIVYFLIISHSYRLI.....CKGQINRKELYVFSAYILL....TEIVLDFPSYLLHLDDL..GIVKFLFPLV   69
NTDB id 336788 EQH44 RS10625 WP 025169508.1 MDFFLLVDLILYFLIISHSYRLI.....CKDQINRKELFFFGAYTLL....TEIVLDFPFYLLYLDGL..GIATFLFPLG   69
NTDB id 249 KZH43 RS10250 WP 000362880.1    MDLFGFGTVIVHFLIISHSYHFI.....CKGQINRKELFVFGAYTLL....TEIVFDFPLYILYLDGL..GIERFLFPLG   69
NTDB id 208 SPD RS10925 WP 000362880.1      MDLFGFGTVIVHFLIISHSYHFI.....CKGQINRKELFVFGAYTLL....TEIVFDFPLYILYLDGL..GIERFLFPLG   69
NTDB id 174 SPR RS10405 WP 000362880.1      MDLFGFGTVIVHFLIISHSYHFI.....CKGQINRKELFVFGAYTLL....TEIVFDFPLYILYLDGL..GIERFLFPLG   69
NTDB id 138 SP RS11430 WP 000364845.1       MDLLGFGTVIVHFLIISHSYRLI.....CKGRINRKELYVFGAYTLL....TEIVLEFSFYLLYLDKI..GIERFLFPLG   69
consensus                                   ******* ******!***!! **      ****!**!****!******    ******** *******  *******!!*

logo
NTDB id 419 DQL23 RS10745 WP 060553298.1      FYKYFL.KRKEYDNYLNLFLSFVIYLSVETSETFLSVIISSITGDYFVKQHYDIFYIIINLLSLFIILKVVDFFDFYFEY   158
NTDB id 416 SGO RS10505 RS10505 WP 012131078.1 FYKYFLIKRKEYENYLNLFLSFVIYLSVETSETFLSVIISSITGDSFVKQHYDIFYIIINLLSLFIILKVVDFFDFYFEY   159
NTDB id 486 SM12261 RS09375 WP 020902616.1   LYSYFRF.IKKYEKYRGVFLSLLLSLLYNSTHTFLSVTLSSIIGDDTALQYHSLFFLVVVALTYVVIVTIIRYFHLELNY   148
NTDB id 514 SMSK321 RS10615 WP 001048129.1   LYSYFRW.IKQYERDRGLFLSLLLSLLYESTHNFLSVTLSSLTGDNFVLQYYEPFFFLVTVLTYVVILKIIHYFHLDLNY   148
NTDB id 336788 EQH44 RS10625 WP 025169508.1 LYSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYYGLFFFVVTVLTYFVTLKIIYYFHLELAY   148
NTDB id 249 KZH43 RS10250 WP 000362880.1    LYSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAY   148
NTDB id 208 SPD RS10925 WP 000362880.1      LYSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAY   148
NTDB id 174 SPR RS10405 WP 000362880.1      LYSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAY   148
NTDB id 138 SP RS11430 WP 000364845.1       LYSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVIFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAY   148
consensus                                   *!*!!** *!*!******!!!****!*******!!!!**!!**!!****!** *!******!************!******!

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NTDB id 419 DQL23 RS10745 WP 060553298.1      YKEPIYKNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQHEKAKEIQQKKEEQRQ   238
NTDB id 416 SGO RS10505 RS10505 WP 012131078.1 YKEPIYKNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQYEKAKEIQQKKEEQRQ   239
NTDB id 486 SM12261 RS09375 WP 020902616.1   FDKDYLYPFLKKVFFALLLLHVVSFISDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKEKMEKEIALKQKKFEQKH   228
NTDB id 514 SMSK321 RS10615 WP 001048129.1   FDKDYLYPFLTKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKDQMEKEIALKQKKFEQKH   228
NTDB id 336788 EQH44 RS10625 WP 025169508.1 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 138 SP RS11430 WP 000364845.1       FDKDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKH   228
consensus                                   *********!**!*******!*****!***!***!!!!!*!****!*!!**!*!*!***!*****!!*****!!!*!!**

logo
NTDB id 419 DQL23 RS10745 WP 060553298.1      LQLYTDEIVGLYNEIRGFRHDYAGMLISLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLIQ   318
NTDB id 416 SGO RS10505 RS10505 WP 012131078.1 LQLYTDEIVGLYNEIRGFRHDYAGMLTSLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLIQ   319
NTDB id 486 SM12261 RS09375 WP 020902616.1   LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGDLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ   308
NTDB id 514 SMSK321 RS10615 WP 001048129.1   LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ   308
NTDB id 336788 EQH44 RS10625 WP 025169508.1 LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ   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 138 SP RS11430 WP 000364845.1       LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ   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 486 SM12261 RS09375 WP 020902616.1    SIVYARNNGVEFTLEVKDKITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSG   388
NTDB id 514 SMSK321 RS10615 WP 001048129.1    SIVYARNNGVEFTLEVKDIITRLPIDLLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSG   388
NTDB id 336788 EQH44 RS10625 WP 025169508.1  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 138 SP RS11430 WP 000364845.1        SIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSG   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 486 SM12261 RS09375 WP 020902616.1    DLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 514 SMSK321 RS10615 WP 001048129.1    DLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 336788 EQH44 RS10625 WP 025169508.1  DLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKRKFE.   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 138 SP RS11430 WP 000364845.1        DLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
consensus                                    *****!!!!!!*!!!!*!!!!!!!**!!!***!!!!**!***!*!**!!!!***
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X non conserved

X similar

X $\geq$ 50% conserved