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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 486 SM12261 RS09375 WP 020902616.1     MDFLAVLVVILHIFIISKSYYL.....ICKNKINIKELCFFGGYTFL....VESVFELSFYFIYLDGL..GIEKFLFPLV   69
NTDB id 514 SMSK321 RS10615 WP 001048129.1     MNLFGVGLVIVYFLIISHSYRL.....ICKGQINRKELYVFSAYILL....TEIVLDFPSYLLHLDDL..GIVKFLFPLV   69
NTDB id 138 SP RS11430 WP 000364845.1          MDLLGFGTVIVHFLIISHSYRL.....ICKGRINRKELYVFGAYTLL....TEIVLEFSFYLLYLDKI..GIERFLFPLG   69
NTDB id 106555 AABA16 RS10660 WP 001853914.1  MDLFGFGTVIVHFLIISHNYHL.....ICKGQINRKELFVFGAYTLL....TEIVFDFPLYILYLDGL..GIATFLFPLG   69
NTDB id 249 KZH43 RS10250 WP 000362880.1      MDLFGFGTVIVHFLIISHSYHF.....ICKGQINRKELFVFGAYTLL....TEIVFDFPLYILYLDGL..GIERFLFPLG   69
NTDB id 208 SPD RS10925 WP 000362880.1        MDLFGFGTVIVHFLIISHSYHF.....ICKGQINRKELFVFGAYTLL....TEIVFDFPLYILYLDGL..GIERFLFPLG   69
NTDB id 174 SPR RS10405 WP 000362880.1        MDLFGFGTVIVHFLIISHSYHF.....ICKGQINRKELFVFGAYTLL....TEIVFDFPLYILYLDGL..GIERFLFPLG   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 486 SM12261 RS09375 WP 020902616.1     LYSYFRF.IKKYEKYRGVFLSLLLSLLYNSTHTFLSVTLSSIIGDDTALQYHSLFFLVVVALTYVVIVTIIRYFHLELNY   148
NTDB id 514 SMSK321 RS10615 WP 001048129.1     LYSYFRW.IKQYERDRGLFLSLLLSLLYESTHNFLSVTLSSLTGDNFVLQYYEPFFFLVTVLTYVVILKIIHYFHLDLNY   148
NTDB id 138 SP RS11430 WP 000364845.1          LYSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVIFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAY   148
NTDB id 106555 AABA16 RS10660 WP 001853914.1  LYSYFRW.IKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAY   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
consensus                                      *!*!!** *!*!******!!!****!*******!!!!**!!**!!****!****!******!************!******!

logo
NTDB id 419 DQL23 RS10745 WP 060553298.1       YKEPIYKNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQHEKAKEIQQKKEEQRQ   238
NTDB id 416 SGO 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 138 SP RS11430 WP 000364845.1          FDKDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKH   228
NTDB id 106555 AABA16 RS10660 WP 001853914.1  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
consensus                                      *********!**!*******!*****!***!***!!!!!*!****!*!!**!*!*!***!*****!!*****!!!*!!**

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NTDB id 419 DQL23 RS10745 WP 060553298.1       LQLYTDEIVGLYNEIRGFRHDYAGMLLSLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLIQ   318
NTDB id 416 SGO 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 138 SP RS11430 WP 000364845.1          LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ   308
NTDB id 106555 AABA16 RS10660 WP 001853914.1  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
consensus                                      !!*!!!!!!!!!!!!!!!!!!!!!!!!!*!*!**!*!!***!**!****!!**!!**!!!!*!!*!*!!!!**!*!!!!***!
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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 138 SP RS11430 WP 000364845.1         SIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSG   388
NTDB id 106555 AABA16 RS10660 WP 001853914.1 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
consensus                                    *!**!!**!!***!*!!*!**!!**!!!!!!**!!!!!!!!!!*!*!**!*!*!***!***!*!*!!!!!*********
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logo
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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 138 SP RS11430 WP 000364845.1         DLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 106555 AABA16 RS10660 WP 001853914.1 DLFSLGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   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
consensus                                    *****!!!!!!*!!!*!!!!!!!!**!!!***!!!!**!***!*!**!!!!***
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X non conserved

X similar

X $\geq$ 50% conserved