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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 362679 FD735 RS09770 WP 139659086.1   MDLFGLGIAIFYFLIISKSYEWIC.....KI..NRKEQIVFFCYTCISVFI....LEEIITLV.FSNSF.ALSKFLFPLV   67
NTDB id 486 SM12261 RS09375 WP 020902616.1    MDFLAVLVVILHIFIISKSYYLIC.....KNKINIKELCFFGGYTFLVESV....FELSFYFI.YLDGL.GIEKFLFPLV   69
NTDB id 514 SMSK321 RS10615 WP 001048129.1    MNLFGVGLVIVYFLIISHSYRLIC.....KGQINRKELYVFSAYILLTEIV....LDFPSYLL.HLDDL.GIVKFLFPLV   69
NTDB id 249 KZH43 RS10250 WP 000362880.1      MDLFGFGTVIVHFLIISHSYHFIC.....KGQINRKELFVFGAYTLLTEIV....FDFPLYIL.YLDGL.GIERFLFPLG   69
NTDB id 208 SPD RS10925 WP 000362880.1        MDLFGFGTVIVHFLIISHSYHFIC.....KGQINRKELFVFGAYTLLTEIV....FDFPLYIL.YLDGL.GIERFLFPLG   69
NTDB id 174 SPR RS10405 WP 000362880.1        MDLFGFGTVIVHFLIISHSYHFIC.....KGQINRKELFVFGAYTLLTEIV....FDFPLYIL.YLDGL.GIERFLFPLG   69
NTDB id 138 SP RS11430 WP 000364845.1         MDLLGFGTVIVHFLIISHSYRLIC.....KGRINRKELYVFGAYTLLTEIV....LEFSFYLL.YLDKI.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 362679 FD735 RS09770 WP 139659086.1   VYLYLR.KLKKSEKYKAIFISLLLSLLYHSTHTFISVTLSSIIGDEVVLHYKSTFLLAVLLMTYFSILIIIRYFHLDIKY  146
NTDB id 486 SM12261 RS09375 WP 020902616.1    LYSYFR.FIKKYEKYRGVFLSLLLSLLYNSTHTFLSVTLSSIIGDDTALQYHSLFFLVVVALTYVVIVTIIRYFHLELNY  148
NTDB id 514 SMSK321 RS10615 WP 001048129.1    LYSYFR.WIKQYERDRGLFLSLLLSLLYESTHNFLSVTLSSLTGDNFVLQYYEPFFFLVTVLTYVVILKIIHYFHLDLNY  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 138 SP RS11430 WP 000364845.1         LYSYFR.WMKQYERDRGLFLSLLLSLLYESTHNFLSVIFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAY  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 362679 FD735 RS09770 WP 139659086.1   FDKDYLYPFLKKVIVAFFGLHILLFISDIVSTTHHLNSFGSILSTIVFICLLLIFFAMNSHKVQIEKEIALKQKKFEQKH  226
NTDB id 486 SM12261 RS09375 WP 020902616.1    FDKDYLYPFLKKVFFALLLLHVVSFISDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKEKMEKEIALKQKKFEQKH  228
NTDB id 514 SMSK321 RS10615 WP 001048129.1    FDKDYLYPFLTKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKDQMEKEIALKQKKFEQKH  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 WP 012131078.1        LQLYTDEIVGLYNEIRGFRHDYAGMLTSLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLIQ  319
NTDB id 362679 FD735 RS09770 WP 139659086.1   LQTYTDEIVELYNEIRGFRHDYAGMLVSMQMAIDSGDLQEINRVYNEVLVKANQKLRSEKYTYFDLNNIEDSALRSLIAQ  306
NTDB id 486 SM12261 RS09375 WP 020902616.1    LQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGDLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQ  308
NTDB id 514 SMSK321 RS10615 WP 001048129.1    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 362679 FD735 RS09770 WP 139659086.1  SIVYARKNDVEFTLEVKDIITRLSIDLLDLVRIMSILLNNAVEGAADSYLKQMDVAVIKMDFETVIVIQNSCKITMTPSE   386
NTDB id 486 SM12261 RS09375 WP 020902616.1    SIVYARNNGVEFTLEVKDKITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSG   388
NTDB id 514 SMSK321 RS10615 WP 001048129.1    SIVYARNNGVEFTLEVKDIITRLPIDLLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSG   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 362679 FD735 RS09770 WP 139659086.1  DLFALGFSTKGRNRGLGLNNVKEILDKYDNIILETEMEDNTFRQIIRFKREFE.   439
NTDB id 486 SM12261 RS09375 WP 020902616.1    DLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 514 SMSK321 RS10615 WP 001048129.1    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 138 SP RS11430 WP 000364845.1         DLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
consensus                                     *****!!!!!!*!!!!*!!!!!!!**!!!***!!!!**!***!*!**!!!!***
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X non conserved

X similar

X $\geq$ 50% conserved