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logo

NTDB id 419 DQL23 RS10745 WP 060553298.1      MILKIIIAFFPTIIQVVSYEIFHKKIMQSKKIDIKFIGLFFSIVFGISIISSILIEIPSFGDVISSIFHYIFLFIQPLIF   80
NTDB id 416 SGO RS10505 RS12131078.1          MIFTIILSLFPVIIQVFSYDFFYNKINRKKKINIKLIILFWGLIMVISFLYSLFLLLPDYWKIFRDIFHYLFLLIQPLIF   80
NTDB id 405024 GOM47 RS09610 WP 235080668.1   ..MDIMVGILDAFLTCVIISKIYSRI.CEI..SKKERYIFGFIFFIFQLIYAF.IFSFIDSDKLILILHYTLKNFYPILF   74
NTDB id 486 SM12261 RS09375 WP 020902616.1    ..MD.FLAVLVVILHIFIISKSYYLI.CKNKINIKELCFFGGYTFLVESVFEL.SFYFIYLDGLG.....IEKFLFPLVL   70
NTDB id 514 SMSK321 RS10615 WP 001048129.1    ..MN.LFGVGLVIVYFLIISHSYRLI.CKGQINRKELYVFSAYILLTEIVLDF.PSYLLHLDDLG.....IVKFLFPLVL   70
NTDB id 138 SP RS11430 WP 000364845.1         ..MD.LLGFGTVIVHFLIISHSYRLI.CKGRINRKELYVFGAYTLLTEIVLEF.SFYLLYLDKIG.....IERFLFPLGL   70
NTDB id 249 KZH43 RS10250 WP 000362880.1      ..MD.LFGFGTVIVHFLIISHSYHFI.CKGQINRKELFVFGAYTLLTEIVFDF.PLYILYLDGLG.....IERFLFPLGL   70
NTDB id 208 SPD RS10925 WP 000362880.1        ..MD.LFGFGTVIVHFLIISHSYHFI.CKGQINRKELFVFGAYTLLTEIVFDF.PLYILYLDGLG.....IERFLFPLGL   70
NTDB id 174 SPR RS10405 WP 000362880.1        ..MD.LFGFGTVIVHFLIISHSYHFI.CKGQINRKELFVFGAYTLLTEIVFDF.PLYILYLDGLG.....IERFLFPLGL   70
consensus                                       ** ***** ************  !  *** ***!****!*************   ****** **      ******!***

logo

NTDB id 419 DQL23 RS10745 WP 060553298.1      YKYFL.KRKEYDNYLNLFLSFVIYLSVETSETFLSVIISSITGDYFVKQHYDIFYIIINLLSLFIILKVVDFFDFYFEYY  159
NTDB id 416 SGO RS10505 RS12131078.1          YKYFLIKRKEYENYLNLFLSFVIYLSVETSETFLSVIISSITGDSFVKQHYDIFYIIINLLSLFIILKVVDFFDFYFEYY  160
NTDB id 405024 GOM47 RS09610 WP 235080668.1   YCYFKF.IKKYDSSKNIFLSLIFSLLYQSAHTFFSVTISSITGDLLVEQHERLFFFIINLISYLVIDKIITYFNLELKYF  153
NTDB id 486 SM12261 RS09375 WP 020902616.1    YSYFRF.IKKYEKYRGVFLSLLLSLLYNSTHTFLSVTLSSIIGDDTALQYHSLFFLVVVALTYVVIVTIIRYFHLELNYF  149
NTDB id 514 SMSK321 RS10615 WP 001048129.1    YSYFRW.IKQYERDRGLFLSLLLSLLYESTHNFLSVTLSSLTGDNFVLQYYEPFFFLVTVLTYVVILKIIHYFHLDLNYF  149
NTDB id 138 SP RS11430 WP 000364845.1         YSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVIFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAYF  149
NTDB id 249 KZH43 RS10250 WP 000362880.1      YSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAYF  149
NTDB id 208 SPD RS10925 WP 000362880.1        YSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAYF  149
NTDB id 174 SPR RS10405 WP 000362880.1        YSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAYF  149
consensus                                     !*!!** *!*!******!!!****!*******!*!!**!!**!!****!** *!****************** *!**** !*

logo

NTDB id 419 DQL23 RS10745 WP 060553298.1      KEPIYKNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQHEKAKEIQQKKEEQRQL  239
NTDB id 416 SGO RS10505 RS12131078.1          KEPIYKNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQYEKAKEIQQKKEEQRQL  240
NTDB id 405024 GOM47 RS09610 WP 235080668.1   DKDYLYPFLKKVIVAFFTLHIVLFISDIVSTFPHLNSFGSILAAIIFICMLLCFFAMNSHKVQVEKEIALKQKKFEQKHL  233
NTDB id 486 SM12261 RS09375 WP 020902616.1    DKDYLYPFLKKVFFALLLLHVVSFISDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKEKMEKEIALKQKKFEQKHL  229
NTDB id 514 SMSK321 RS10615 WP 001048129.1    DKDYLYPFLTKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKDQMEKEIALKQKKFEQKHL  229
NTDB id 138 SP RS11430 WP 000364845.1         DKDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKHL  229
NTDB id 249 KZH43 RS10250 WP 000362880.1      DEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKHL  229
NTDB id 208 SPD RS10925 WP 000362880.1        DEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKHL  229
NTDB id 174 SPR RS10405 WP 000362880.1        DEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKHL  229
consensus                                     ********!**!*******!*****!***!***!!!!!*!****!*!!**!***!***!*****!!*****!!!*!!**!

logo

NTDB id 419 DQL23 RS10745 WP 060553298.1      QLYTDEIVGLYNEIRGFRHDYAGMLISLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLIQT  319
NTDB id 416 SGO RS10505 RS12131078.1          QLYTDEIVGLYNEIRGFRHDYAGMLTSLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLIQT  320
NTDB id 405024 GOM47 RS09610 WP 235080668.1   QTYTDEIVELYNEIRGFRHDYAGMLVSMQMAIDSGDLQEIDRIYKEVLVKANQKLRSEKYTYFDLNSIEDSALRSVIAQS  313
NTDB id 486 SM12261 RS09375 WP 020902616.1    QNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGDLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQS  309
NTDB id 514 SMSK321 RS10615 WP 001048129.1    QNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQS  309
NTDB id 138 SP RS11430 WP 000364845.1         QNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQS  309
NTDB id 249 KZH43 RS10250 WP 000362880.1      QNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQS  309
NTDB id 208 SPD RS10925 WP 000362880.1        QNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQS  309
NTDB id 174 SPR RS10405 WP 000362880.1        QNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQS  309
consensus                                     !*!!!!!!*!!!!!!!!!!!!!!!!!*!*!**!*!!***!**!****!!**!!**!!!!**!!*!*!!***!*!!!!***!*
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logo

NTDB id 419 DQL23 RS10745 WP 060553298.1      IFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYINLEE   399
NTDB id 416 SGO RS10505 WP 012131078.1        IFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYINLEE   400
NTDB id 405024 GOM47 RS09610 WP 235080668.1   IVYARNNDVEFTLEVKDIITRLSMDLLDLVRIMSILLNNAVEGATDSYLKQMEVAVIKMDFETVIVIQNSCKITMTPSED   393
NTDB id 486 SM12261 RS09375 WP 020902616.1    IVYARNNGVEFTLEVKDKITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGD   389
NTDB id 514 SMSK321 RS10615 WP 001048129.1    IVYARNNGVEFTLEVKDIITRLPIDLLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGD   389
NTDB id 138 SP RS11430 WP 000364845.1         IVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGD   389
NTDB id 249 KZH43 RS10250 WP 000362880.1      IVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGD   389
NTDB id 208 SPD RS10925 WP 000362880.1        IVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGD   389
NTDB id 174 SPR RS10405 WP 000362880.1        IVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGD   389
consensus                                     !**!!***!!***!*!! !**!***!!!!!!**!*!!!!!!!!***!**!*!*!***!***!*!*!!!!!**********

logo

NTDB id 419 DQL23 RS10745 WP 060553298.1      IYEVGFSTKGENRGLGLNNVKEIIDKYDEVILETDIETNYFIQVVRFKRKEKI   452
NTDB id 416 SGO RS10505 WP 012131078.1        IYEVGFSTKGENRGLGLNNVKEIIDKYDEVILETDIETNYFIQVVRFKRKEKI   453
NTDB id 405024 GOM47 RS09610 WP 235080668.1   LFALGFSTKGKNRGLGLNNVKEILDKYDNIILETEMEDNTFRQIIRFKREFE.   445
NTDB id 486 SM12261 RS09375 WP 020902616.1    LFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 514 SMSK321 RS10615 WP 001048129.1    LFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 138 SP RS11430 WP 000364845.1         LFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 249 KZH43 RS10250 WP 000362880.1      LFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 208 SPD RS10925 WP 000362880.1        LFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 174 SPR RS10405 WP 000362880.1        LFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
consensus                                     ****!!!!!!*!!!*!!!!!!!**!!!***!!!!**!***!*!**!!!!***
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X non conserved

X similar

X $\geq$ 50% conserved