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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 1161757 U8955 RS10115 WP 038804779.1  MNLFGLVIAFFYVFIISKIYEWTCNA.....T..KKEKYIYSLYVFLL....QLILEEIMYLLALDGY..GLSKFLFPLL   67
NTDB id 486 SM12261 RS09375 WP 020902616.1    MDFLAVLVVILHIFIISKSYYLICKN.....KINIKELCFFGGYTFLV....ESVFELSFYFIYLDGL..GIEKFLFPLV   69
NTDB id 514 SMSK321 RS10615 WP 001048129.1    MNLFGVGLVIVYFLIISHSYRLICKG.....QINRKELYVFSAYILLT....EIVLDFPSYLLHLDDL..GIVKFLFPLV   69
NTDB id 249 KZH43 RS10250 WP 000362880.1      MDLFGFGTVIVHFLIISHSYHFICKG.....QINRKELFVFGAYTLLT....EIVFDFPLYILYLDGL..GIERFLFPLG   69
NTDB id 208 SPD RS10925 WP 000362880.1        MDLFGFGTVIVHFLIISHSYHFICKG.....QINRKELFVFGAYTLLT....EIVFDFPLYILYLDGL..GIERFLFPLG   69
NTDB id 174 SPR RS10405 WP 000362880.1        MDLFGFGTVIVHFLIISHSYHFICKG.....QINRKELFVFGAYTLLT....EIVFDFPLYILYLDGL..GIERFLFPLG   69
NTDB id 138 SP RS11430 WP 000364845.1         MDLLGFGTVIVHFLIISHSYRLICKG.....RINRKELYVFGAYTLLT....EIVLEFSFYLLYLDKI..GIERFLFPLG   69
consensus                                     **************!****!  *****      ***!************    ******* *******  *******!!*

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NTDB id 419 DQL23 RS10745 WP 060553298.1      FYKYFL.KRKEYDNYLNLFLSFVIYLSVETSETFLSVIISSITGDYFVKQHYDIFYIIINLLSLFIILKVVDFFDFYFEY  158
NTDB id 416 SGO RS10505 WP 012131078.1        FYKYFLIKRKEYENYLNLFLSFVIYLSVETSETFLSVIISSITGDSFVKQHYDIFYIIINLLSLFIILKVVDFFDFYFEY  159
NTDB id 1161757 U8955 RS10115 WP 038804779.1  IFGYFV.GFQKYDKSKGVFISLLFSLLYHSSNNFISVTLSSITGDDIALEYNNYFIIFVLILTYLVIKIVISYFHLEFKY  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                                     ***!!* ****!******!*!****!*******!*!!**!!**!!******* *!******!********* *!**** !

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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 1161757 U8955 RS10115 WP 038804779.1  FDKEYLYSFLKKVLYAFIFLHIVSFISDIVSTISHLNSFGSILSTIVFICLLLIFFAMNSYKVQIEKEIALKQKKFEQKH  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                                     *********!**!*******!*****!***!***!!!!!*!****!*!!**!***!***!*****!!*****!!!*!!**

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NTDB id 419 DQL23 RS10745 WP 060553298.1      LQLYTDEIVGLYNEIRGFRHDYAGMLISLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLIQ  318
NTDB id 416 SGO RS10505 WP 012131078.1        LQLYTDEIVGLYNEIRGFRHDYAGMLTSLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLIQ  319
NTDB id 1161757 U8955 RS10115 WP 038804779.1  LQTYTDEIVKLYNEIRGFRHDYAGMLVSMQMAIDSEDLQEIDRVYNEVLVKANQKLRSEKYTYFDLNNLEDSALRSLIAQ  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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NTDB id 419 DQL23 RS10745 WP 060553298.1        TIFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYINLE   398
NTDB id 416 SGO RS10505 WP 012131078.1          TIFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYINLE   399
NTDB id 1161757 U8955 RS10115 WP 038804779.1    SIVYARNNDVEFTLEVKDVITRLSMDLLDLVRIMSILLNNAVEGAADSYLKQMEVAVIKMDFETVIVIQNSCKITMTPSE   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                                       *!**!!***!!***!*!! !**!***!!!!!!**!*!!!!!!!!*!*!**!*!*!***!***!*!*!!!!!*********

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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 1161757 U8955 RS10115 WP 038804779.1    DLFALGFSTKGRNRGLGLNNVKEILDKYDNIMLETEMEDNTFRQIIRFKREFE.   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