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logo
NTDB id 419 DQL23 RS10745 WP 060553298.1    .MILKIIIAFFPTIIQVVSYEIFHKKIMQSKKIDIKFIGLFFSIVFGISIISSILIEIPSFGDVISSIFHYIFLFIQPLIFYKYF   84
NTDB id 416 SGO RS10505 WP 012131078.1      .MIFTIILSLFPVIIQVFSYDFFYNKINRKKKINIKLIILFWGLIMVISFLYSLFLLLPDYWKIFRDIFHYLFLLIQPLIFYKYF   84
NTDB id 68382 SNAG RS09695 WP 096408763.1   MDLFGLGIAIFYFLIISKSYEWIC.....KI..NRKEQIVFFCYTCISVFI....LEEIITLV.FSNSF.ALSKFLFPLVVYLYL   72
NTDB id 486 SM12261 RS09375 WP 020902616.1  MDFLAVLVVILHIFIISKSYYLIC.....KNKINIKELCFFGGYTFLVESV....FELSFYFI.YLDGL.GIEKFLFPLVLYSYF   74
NTDB id 249 KZH43 RS10250 WP 000362880.1   MDLFGFGTVIVHFLIISHSYHFIC.....KGQINRKELFVFGAYTLLTEIV....FDFPLYIL.YLDGL.GIERFLFPLGLYSYF   74
NTDB id 208 SPD RS10925 WP 000362880.1     MDLFGFGTVIVHFLIISHSYHFIC.....KGQINRKELFVFGAYTLLTEIV....FDFPLYIL.YLDGL.GIERFLFPLGLYSYF   74
NTDB id 174 SPR RS10405 WP 000362880.1     MDLFGFGTVIVHFLIISHSYHFIC.....KGQINRKELFVFGAYTLLTEIV....FDFPLYIL.YLDGL.GIERFLFPLGLYSYF   74
NTDB id 138 SP RS11430 WP 000364845.1      MDLLGFGTVIVHFLIISHSYRLIC.....KGRINRKELYVFGAYTLLTEIV....LEFSFYLL.YLDKI.GIERFLFPLGLYSYF   74
NTDB id 514 SMSK321 RS10615 WP 001048129.1 MNLFGVGLVIVYFLIISHSYRLIC.....KGQINRKELYVFSAYILLTEIV....LDFPSYLL.HLDDL.GIVKFLFPLVLYSYF   74
consensus                                  **************!***!! ***     ** ***!****!**********    **** *** *** * *******!!**!*!*

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NTDB id 419 DQL23 RS10745 WP 060553298.1    L.KRKEYDNYLNLFLSFVIYLSVETSETFLSVIISSITGDYFVKQHYDIFYIIINLLSLFIILKVVDFFDFYFEYYKEPIYKNDL   168
NTDB id 416 SGO RS10505 WP 012131078.1      LIKRKEYENYLNLFLSFVIYLSVETSETFLSVIISSITGDSFVKQHYDIFYIIINLLSLFIILKVVDFFDFYFEYYKEPIYKNDL   169
NTDB id 68382 SNAG RS09695 WP 096408763.1   R.KLKKSEKYKGIFISLLLSLLYHSTHTFISVTLSSITGDEVVLHYKSTFLLVVLLMTYFSILVIIRYFHLEIKYFDKDYLYPFL   156
NTDB id 486 SM12261 RS09375 WP 020902616.1  R.FIKKYEKYRGVFLSLLLSLLYNSTHTFLSVTLSSIIGDDTALQYHSLFFLVVVALTYVVIVTIIRYFHLELNYFDKDYLYPFL   158
NTDB id 249 KZH43 RS10250 WP 000362880.1   R.WMKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAYFDEDYLYPFL   158
NTDB id 208 SPD RS10925 WP 000362880.1     R.WMKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAYFDEDYLYPFL   158
NTDB id 174 SPR RS10405 WP 000362880.1     R.WMKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAYFDEDYLYPFL   158
NTDB id 138 SP RS11430 WP 000364845.1      R.WMKQYERDRGLFLSLLLSLLYESTHNFLSVIFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAYFDKDYLYPFL   158
NTDB id 514 SMSK321 RS10615 WP 001048129.1 R.WIKQYERDRGLFLSLLLSLLYESTHNFLSVTLSSLTGDNFVLQYYEPFFFLVTVLTYVVILKIIHYFHLDLNYFDKDYLYPFL   158
consensus                                  *  **!********!*!****!*******!*!!**!!**!!******* *!**************** *!**** !*********!

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NTDB id 419 DQL23 RS10745 WP 060553298.1    YNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQHEKAKEIQQKKEEQRQLQLYTDEIVGLYNEI   253
NTDB id 416 SGO RS10505 WP 012131078.1      YNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQYEKAKEIQQKKEEQRQLQLYTDEIVGLYNEI   254
NTDB id 68382 SNAG RS09695 WP 096408763.1   KKVIVAFFGLHILLFISDIVSTTHHLNSFGSILAAIIFICLLLCFFAMNSYKVQVEKEIALKQKKFEQKYLQTYTDEIVGLYNEI   241
NTDB id 486 SM12261 RS09375 WP 020902616.1  KKVFFALLLLHVVSFISDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKEKMEKEIALKQKKFEQKHLQNYTDEIVGLYNEI   243
NTDB id 249 KZH43 RS10250 WP 000362880.1   KKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKHLQNYTDEIVGLYNEI   243
NTDB id 208 SPD RS10925 WP 000362880.1     KKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKHLQNYTDEIVGLYNEI   243
NTDB id 174 SPR RS10405 WP 000362880.1     KKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKHLQNYTDEIVGLYNEI   243
NTDB id 138 SP RS11430 WP 000364845.1      KKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKHLQNYTDEIVGLYNEI   243
NTDB id 514 SMSK321 RS10615 WP 001048129.1 TKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKDQMEKEIALKQKKFEQKHLQNYTDEIVGLYNEI   243
consensus                                  **!*******!*****!***!***!!!!!*!****!*!!**!***!***!****!!*****!!!*!!**!!*!!!!!!!!!!!!

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NTDB id 419 DQL23 RS10745 WP 060553298.1    RGFRHDYAGMLISLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLIQTIFKARECGVEIVFEMKDVI   338
NTDB id 416 SGO RS10505 WP 012131078.1      RGFRHDYAGMLTSLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLIQTIFKARECGVEIVFEMKDVI   339
NTDB id 68382 SNAG RS09695 WP 096408763.1   RGFRHDYAGMLVSMQMAIDSEDLQEINRVYNEVLVKANQKLRSEKYTYFDLNNIEDSALRSLIAQSIVYARNNDVEFTLEVKDVI   326
NTDB id 486 SM12261 RS09375 WP 020902616.1  RGFRHDYAGMLVSMQMAIDSGDLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEVKDKI   328
NTDB id 249 KZH43 RS10250 WP 000362880.1   RGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEVKDTI   328
NTDB id 208 SPD RS10925 WP 000362880.1     RGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEVKDTI   328
NTDB id 174 SPR RS10405 WP 000362880.1     RGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEVKDTI   328
NTDB id 138 SP RS11430 WP 000364845.1      RGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEVKDTI   328
NTDB id 514 SMSK321 RS10615 WP 001048129.1 RGFRHDYAGMLVSMQMAIDSGNLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEVKDII   328
consensus                                  !!!!!!!!!!!!*!*!**!*!****!**!****!!**!!**!!!**!!*!*!!!**!*!!!!***!*!**!!***!!***!*!! !
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logo
NTDB id 419 DQL23 RS10745 WP 060553298.1     ETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYINLEEIYEVGFSTKGENRGLGLNNVKEII   423
NTDB id 416 SGO RS10505 WP 012131078.1       ETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYINLEEIYEVGFSTKGENRGLGLNNVKEII   424
NTDB id 68382 SNAG RS09695 WP 096408763.1    TRLSIDLLDLVRIMSILLNNAVEGAADSYLKQMEVAVIKMDFETVIVIQNSCKITMTPSENLFALGFSTKGRNRGLGLNNVNEIL   411
NTDB id 486 SM12261 RS09375 WP 020902616.1   TKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNVKELL   413
NTDB id 249 KZH43 RS10250 WP 000362880.1     TKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNVKELL   413
NTDB id 208 SPD RS10925 WP 000362880.1       TKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNVKELL   413
NTDB id 174 SPR RS10405 WP 000362880.1       TKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNVKELL   413
NTDB id 138 SP RS11430 WP 000364845.1        TKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNVKELL   413
NTDB id 514 SMSK321 RS10615 WP 001048129.1   TRLPIDLLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNVKELL   413
consensus                                    **!***!!!!!!**!*!!!!!!!!*!*!**!*!*!***!***!*!*!!!!!**************!!!!!!*!!!*!!!!!*!**

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NTDB id 419 DQL23 RS10745 WP 060553298.1     DKYDEVILETDIETNYFIQVVRFKRKEKI   452
NTDB id 416 SGO RS10505 WP 012131078.1       DKYDEVILETDIETNYFIQVVRFKRKEKI   453
NTDB id 68382 SNAG RS09695 WP 096408763.1    DKYDNIILETEMEDNTFRQIIRFKREFE.   439
NTDB id 486 SM12261 RS09375 WP 020902616.1   DKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 249 KZH43 RS10250 WP 000362880.1     DKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 208 SPD RS10925 WP 000362880.1       DKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 174 SPR RS10405 WP 000362880.1       DKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 138 SP RS11430 WP 000364845.1        DKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 514 SMSK321 RS10615 WP 001048129.1   DKYNNIILETEMEGSTFRQIIRFKREFE.   441
consensus                                    !!!***!!!!**!***!*!**!!!!***
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X non conserved

X similar

X $\geq$ 50% conserved