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logo
NTDB id 486 SM12261 RS09375 WP 020902616.1   ...MDFLAVLVVILHIFIISKSYYLICKNKINIKE......LCFFGGYTF....LVESVFELSFYFIYLDGL..GIEKFLFPLVL   70
NTDB id 514 SMSK321 RS10615 WP 001048129.1   ...MNLFGVGLVIVYFLIISHSYRLICKGQINRKE......LYVFSAYIL....LTEIVLDFPSYLLHLDDL..GIVKFLFPLVL   70
NTDB id 249 KZH43 RS10250 WP 000362880.1     ...MDLFGFGTVIVHFLIISHSYHFICKGQINRKE......LFVFGAYTL....LTEIVFDFPLYILYLDGL..GIERFLFPLGL   70
NTDB id 208 SPD RS10925 WP 000362880.1       ...MDLFGFGTVIVHFLIISHSYHFICKGQINRKE......LFVFGAYTL....LTEIVFDFPLYILYLDGL..GIERFLFPLGL   70
NTDB id 174 SPR RS10405 WP 000362880.1       ...MDLFGFGTVIVHFLIISHSYHFICKGQINRKE......LFVFGAYTL....LTEIVFDFPLYILYLDGL..GIERFLFPLGL   70
NTDB id 138 SP RS11430 WP 000364845.1        ...MDLLGFGTVIVHFLIISHSYRLICKGRINRKE......LYVFGAYTL....LTEIVLEFSFYLLYLDKI..GIERFLFPLGL   70
NTDB id 58491 I872 RS10620 WP 172456456.1   .MFELFFWILQAAIEVY.....FTIVIYEKINKVKSS...FYFTFLC.AIVLILLPLLILNLESIFSLSRHVLYFLLLLIYPLFF   75
NTDB id 416 SGO RS10505 WP 012131078.1      MIFTIILSLFPVIIQVF.....SYDFFYNKINRKKKINIKLIILFWGLIMVISFLYSLFLLLPDYWKIFRDIFHYLFLLIQPLIF   80
NTDB id 419 DQL23 RS10745 WP 060553298.1    MILKIIIAFFPTIIQVV.....SYEIFHKKIMQSKKIDIKFIGLFFSIVFGISIISSILIEIPSFGDVISSIFHYIFLFIQPLIF   80
consensus                                      ******* ************  *****!****      ***!*****    ********* ****** *  *******!! *

logo
NTDB id 486 SM12261 RS09375 WP 020902616.1   YSYFRFI.KKYEKYRGVFLSLLLSLLYNSTHTFLSVTLSSIIGDDTALQYHSLFFLVVVALTYVVIVTIIRYFHLELNYFDKDYL   154
NTDB id 514 SMSK321 RS10615 WP 001048129.1   YSYFRWI.KQYERDRGLFLSLLLSLLYESTHNFLSVTLSSLTGDNFVLQYYEPFFFLVTVLTYVVILKIIHYFHLDLNYFDKDYL   154
NTDB id 249 KZH43 RS10250 WP 000362880.1     YSYFRWM.KQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAYFDEDYL   154
NTDB id 208 SPD RS10925 WP 000362880.1       YSYFRWM.KQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAYFDEDYL   154
NTDB id 174 SPR RS10405 WP 000362880.1       YSYFRWM.KQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAYFDEDYL   154
NTDB id 138 SP RS11430 WP 000364845.1        YSYFRWM.KQYERDRGLFLSLLLSLLYESTHNFLSVIFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAYFDKDYL   154
NTDB id 58491 I872 RS10620 WP 172456456.1   YRYFYKKE.KLSALFSIFLSLLLYLTVQAPTTFFSVIISSITGDSFVNDNWAVFYIMINSISVLLMLKFIDYLPFSIRDFKEEVF   159
NTDB id 416 SGO RS10505 WP 012131078.1      YKYFLIKRKEYENYLNLFLSFVIYLSVETSETFLSVIISSITGDSFVKQHYDIFYIINLLSLFIILKVVDFFDFYFEYYKEPIY   165
NTDB id 419 DQL23 RS10745 WP 060553298.1    YKYFL.KRKEYDNYLNLFLSFVIYLSVETSETFLSVIISSITGDYFVKQHYDIFYIINLLSLFIILKVVDFFDFYFEYYKEPIY   164
consensus                                   !*!!*** *********!!!****!*******!*!!**!!**!!******* *!****************** ****** *******

logo
NTDB id 486 SM12261 RS09375 WP 020902616.1   YPFLKKVFFALLLLHVVSFISDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKEKMEKEIALKQKKFEQKHLQNYTDEIVGL   239
NTDB id 514 SMSK321 RS10615 WP 001048129.1   YPFLTKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKDQMEKEIALKQKKFEQKHLQNYTDEIVGL   239
NTDB id 249 KZH43 RS10250 WP 000362880.1     YPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKHLQNYTDEIVGL   239
NTDB id 208 SPD RS10925 WP 000362880.1       YPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKHLQNYTDEIVGL   239
NTDB id 174 SPR RS10405 WP 000362880.1       YPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKHLQNYTDEIVGL   239
NTDB id 138 SP RS11430 WP 000364845.1        YPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKHLQNYTDEIVGL   239
NTDB id 58491 I872 RS10620 WP 172456456.1   KKTIKRINIFYVIDIFILNISHWLSEDEHFNSFSSMLATICFLIFMTTLFYLKAIREKYEKEEEIRQRELEQLQLQQYTDEIVSL   244
NTDB id 416 SGO RS10505 WP 012131078.1      KNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQYEKAKEIQQKKEEQRQLQLYTDEIVGL   250
NTDB id 419 DQL23 RS10745 WP 060553298.1    KNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQHEKAKEIQQKKEEQRQLQLYTDEIVGL   249
consensus                                   ********************!***!***!*!!!!*!****!*!*****!*!*********!!*****!***!!**!!*!!!!!!*!

logo
NTDB id 486 SM12261 RS09375 WP 020902616.1   YNEIRGFRHDYAGMLVSMQMAIDSGDLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEV   324
NTDB id 514 SMSK321 RS10615 WP 001048129.1   YNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEV   324
NTDB id 249 KZH43 RS10250 WP 000362880.1     YNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEV   324
NTDB id 208 SPD RS10925 WP 000362880.1       YNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEV   324
NTDB id 174 SPR RS10405 WP 000362880.1       YNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEV   324
NTDB id 138 SP RS11430 WP 000364845.1        YNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEV   324
NTDB id 58491 I872 RS10620 WP 172456456.1   YNEIRGFRHDYAGMLTSFQTAINTQDIKEIEKIYQEVLVDANLKLRSDKYTYFDLNNVGDSALRSVMTETLFKAREHQIDLTFEV   329
NTDB id 416 SGO RS10505 WP 012131078.1      YNEIRGFRHDYAGMLTSLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLIQTIFKARECGVEIVFEM   335
NTDB id 419 DQL23 RS10745 WP 060553298.1    YNEIRGFRHDYAGMLISLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLIQTIFKARECGVEIVFEM   334
consensus                                   !!!!!!!!!!!!!!!!*!*!**!******!*******!!**!!**!!!!*!!*!*!!!!**!*!!!!********!!********!*
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logo
NTDB id 486 SM12261 RS09375 WP 020902616.1   KDKITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNV   409
NTDB id 514 SMSK321 RS10615 WP 001048129.1   KDIITRLPIDLLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNV   409
NTDB id 249 KZH43 RS10250 WP 000362880.1     KDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNV   409
NTDB id 208 SPD RS10925 WP 000362880.1       KDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNV   409
NTDB id 174 SPR RS10405 WP 000362880.1       KDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNV   409
NTDB id 138 SP RS11430 WP 000364845.1        KDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNV   409
NTDB id 58491 I872 RS10620 WP 172456456.1   KEPVETLPIKLLDVVRMASILLNNAVEGAIESYEKMIHVTLVQLDTEIIFVVKNSRKQRKLDLEEIYKPEFSTKGYRRGLGLNNL   414
NTDB id 416 SGO RS10505 WP 012131078.1       KDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYINLEEIYEVGFSTKGENRGLGLNNV   420
NTDB id 419 DQL23 RS10745 WP 060553298.1     KDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYINLEEIYEVGFSTKGENRGLGLNNV   419
consensus                                    !* ***!!**!!!*!!**!*!!!!!!!!***!**!***!*******!***!**!!***************!!!!!**!!*!!!!*
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logo
NTDB id 486 SM12261 RS09375 WP 020902616.1   KELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 514 SMSK321 RS10615 WP 001048129.1   KELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 249 KZH43 RS10250 WP 000362880.1     KELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 208 SPD RS10925 WP 000362880.1       KELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 174 SPR RS10405 WP 000362880.1       KELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 138 SP RS11430 WP 000364845.1        KELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 58491 I872 RS10620 WP 172456456.1   KEILENYEYIMLDTEISKYDFTQVLTIKRRNSL   447
NTDB id 416 SGO RS10505 WP 012131078.1       KEIIDKYDEVILETDIETNYFIQVVRFKRKEKI   453
NTDB id 419 DQL23 RS10745 WP 060553298.1     KEIIDKYDEVILETDIETNYFIQVVRFKRKEKI   452
consensus                                    !!****!****!*!******!*!****!!***
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X non conserved

X similar

X ≥ 50% conserved