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logo
NTDB id 486 SM12261 RS09375 WP 020902616.1   MDFLAVLVVILHIFIISKSYYLICKNKINI......KELCFFGGYTFLVESVFELSFYFIYLDGLG........IEKFLFPLVLY   71
NTDB id 514 SMSK321 RS10615 WP 001048129.1   MNLFGVGLVIVYFLIISHSYRLICKGQINR......KELYVFSAYILLTEIVLDFPSYLLHLDDLG........IVKFLFPLVLY   71
NTDB id 138 SP RS11430 WP 000364845.1        MDLLGFGTVIVHFLIISHSYRLICKGRINR......KELYVFGAYTLLTEIVLEFSFYLLYLDKIG........IERFLFPLGLY   71
NTDB id 249 KZH43 RS10250 WP 000362880.1     MDLFGFGTVIVHFLIISHSYHFICKGQINR......KELFVFGAYTLLTEIVFDFPLYILYLDGLG........IERFLFPLGLY   71
NTDB id 208 SPD RS10925 WP 000362880.1       MDLFGFGTVIVHFLIISHSYHFICKGQINR......KELFVFGAYTLLTEIVFDFPLYILYLDGLG........IERFLFPLGLY   71
NTDB id 174 SPR RS10405 WP 000362880.1       MDLFGFGTVIVHFLIISHSYHFICKGQINR......KELFVFGAYTLLTEIVFDFPLYILYLDGLG........IERFLFPLGLY   71
NTDB id 67293 SITYG RS10225 WP 221761483.1   MVKIEFIYWV.IFSIIEAISVVYCYKKISRVNKVNIHFTLLCLGIVFL.............TDFTTIIHYSVRYIMFFIQPLFFY   71
NTDB id 419 DQL23 RS10745 WP 060553298.1     .MILKIIIAF.FPTIIQVVSYEIFHKKIMQSKKIDIKFIGLFFSIVFGISII..SSILIEIPSFGDVISSIFHYIFLFIQPLIFY   81
NTDB id 416 SGO RS10505 WP 012131078.1       .MIFTIILSL.FPVIIQVFSYDFFYNKINRKKKINIKLIILFWGLIMVISFL..YSLFLLLPDYWKIFRDIFHYLFLLIQPLIFY   81
consensus                                    ******* ******!!****  *****!**      *************** ** ******* **        ******!! *!

logo
NTDB id 486 SM12261 RS09375 WP 020902616.1   SYFRFI.KKYEKYRGVFLSLLLSLLYNSTHTFLSVTLSSIIGDDTALQYHSLFFLVVVALTYVVIVTIIRYFHLELNYFDKDYLY   155
NTDB id 514 SMSK321 RS10615 WP 001048129.1   SYFRWI.KQYERDRGLFLSLLLSLLYESTHNFLSVTLSSLTGDNFVLQYYEPFFFLVTVLTYVVILKIIHYFHLDLNYFDKDYLY   155
NTDB id 138 SP RS11430 WP 000364845.1        SYFRWM.KQYERDRGLFLSLLLSLLYESTHNFLSVIFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAYFDKDYLY   155
NTDB id 249 KZH43 RS10250 WP 000362880.1     SYFRWM.KQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAYFDEDYLY   155
NTDB id 208 SPD RS10925 WP 000362880.1       SYFRWM.KQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAYFDEDYLY   155
NTDB id 174 SPR RS10405 WP 000362880.1       SYFRWM.KQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLELAYFDEDYLY   155
NTDB id 67293 SITYG RS10225 WP 221761483.1   LYFVKV.KKVKKHSSLFLALFLSLAVSGSETFFSVIISSVTGDKFVDRYWGLFYIFINIISLVFILKAIDYFKFNFKYFKKIDFK   155
NTDB id 419 DQL23 RS10745 WP 060553298.1     KYFL.KRKEYDNYLNLFLSFVIYLSVETSETFLSVIISSITGDYFVKQHYDIFYIINLLSLFIILKVVDFFDFYFEYYKEPIYK   165
NTDB id 416 SGO RS10505 WP 012131078.1       KYFLIKRKEYENYLNLFLSFVIYLSVETSETFLSVIISSITGDSFVKQHYDIFYIINLLSLFIILKVVDFFDFYFEYYKEPIYK   166
consensus                                    *!!*** !*******!!*****!*******!*!!**!!**!!******* *!***************** *!**** !*******

logo
NTDB id 486 SM12261 RS09375 WP 020902616.1   PFLKKVFFALLLLHVVSFISDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKEKMEKEIALKQKKFEQKHLQNYTDEIVGLY   240
NTDB id 514 SMSK321 RS10615 WP 001048129.1   PFLTKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKDQMEKEIALKQKKFEQKHLQNYTDEIVGLY   240
NTDB id 138 SP RS11430 WP 000364845.1        PFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKHLQNYTDEIVGLY   240
NTDB id 249 KZH43 RS10250 WP 000362880.1     PFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKHLQNYTDEIVGLY   240
NTDB id 208 SPD RS10925 WP 000362880.1       PFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKHLQNYTDEIVGLY   240
NTDB id 174 SPR RS10405 WP 000362880.1       PFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFEQKHLQNYTDEIVGLY   240
NTDB id 67293 SITYG RS10225 WP 221761483.1   ENIVQLNFYLLFIHLLLNVSHWLSNMKNLNSFSSMIATICFLMFMSILFYLQSIREKYEKEEQIKQKEQEQLQLQKYTDEIVNLY   240
NTDB id 419 DQL23 RS10745 WP 060553298.1     NDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQHEKAKEIQQKKEEQRQLQLYTDEIVGLY   250
NTDB id 416 SGO RS10505 WP 012131078.1       NDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQYEKAKEIQQKKEEQRQLQLYTDEIVGLY   251
consensus                                    *************!*****!***!****!!!!*!****!*!*******!***!*****!!*****!!**!!**!!*!!!!!!*!!

logo
NTDB id 486 SM12261 RS09375 WP 020902616.1   NEIRGFRHDYAGMLVSMQMAIDSGDLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEVK   325
NTDB id 514 SMSK321 RS10615 WP 001048129.1   NEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEVK   325
NTDB id 138 SP RS11430 WP 000364845.1        NEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEVK   325
NTDB id 249 KZH43 RS10250 WP 000362880.1     NEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEVK   325
NTDB id 208 SPD RS10925 WP 000362880.1       NEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEVK   325
NTDB id 174 SPR RS10405 WP 000362880.1       NEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSLVAQSIVYARNNGVEFTLEVK   325
NTDB id 67293 SITYG RS10225 WP 221761483.1   NEIRGFRHDYGGMLASFQSAIHTGDIKEVERIYQEVLVNANLQLRSDKYTYFDLNNVGDSALRSVMTQTLFKARDYNIELTFEVK   325
NTDB id 419 DQL23 RS10745 WP 060553298.1     NEIRGFRHDYAGMLISLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLIQTIFKARECGVEIVFEMK   335
NTDB id 416 SGO RS10505 WP 012131078.1       NEIRGFRHDYAGMLTSLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSVLIQTIFKARECGVEIVFEMK   336
consensus                                    !!!!!!!!!!*!!!*!*!**!**!***!**!****!!**!!**!!!!*!!*!*!!!**!*!!!!***!****!!****!***!*!
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logo
NTDB id 486 SM12261 RS09375 WP 020902616.1   DKITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNVK   410
NTDB id 514 SMSK321 RS10615 WP 001048129.1   DIITRLPIDLLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNVK   410
NTDB id 138 SP RS11430 WP 000364845.1        DTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNVK   410
NTDB id 249 KZH43 RS10250 WP 000362880.1     DTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNVK   410
NTDB id 208 SPD RS10925 WP 000362880.1       DTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNVK   410
NTDB id 174 SPR RS10405 WP 000362880.1       DTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMTPSGDLFALGFSTKGRNRGVGLNNVK   410
NTDB id 67293 SITYG RS10225 WP 221761483.1   DFVKPLPIKLLDLVRMTSVLLNNAIEGAAESYQKTMNVSLVDLDTETILVIQNSRKKRPLDLEEIYQTDFSTKGVGRGLGLSNIK   410
NTDB id 419 DQL23 RS10745 WP 060553298.1     DVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYINLEEIYEVGFSTKGENRGLGLNNVK   420
NTDB id 416 SGO RS10505 WP 012131078.1       DVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYINLEEIYEVGFSTKGENRGLGLNNVK   421
consensus                                    !  ***!!**!!!!!!**!!!!!!!*!!*!*!**!*!*!*******!***!!!!!**************!!!!!**!!*!!*!*!
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logo
NTDB id 486 SM12261 RS09375 WP 020902616.1   ELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 514 SMSK321 RS10615 WP 001048129.1   ELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 138 SP RS11430 WP 000364845.1        ELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 249 KZH43 RS10250 WP 000362880.1     ELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 208 SPD RS10925 WP 000362880.1       ELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 174 SPR RS10405 WP 000362880.1       ELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 67293 SITYG RS10225 WP 221761483.1   EIINNYEGIILDTKIEDEYFIQAMRVRKEGL.   441
NTDB id 419 DQL23 RS10745 WP 060553298.1     EIIDKYDEVILETDIETNYFIQVVRFKRKEKI   452
NTDB id 416 SGO RS10505 WP 012131078.1       EIIDKYDEVILETDIETNYFIQVVRFKRKEKI   453
consensus                                    !****!***!!*!**!***!*!**!******
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X non conserved

X similar

X ≥ 50% conserved