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logo
NTDB id 486 SM12261 RS09375 WP 020902616.1      MDFLAVLVVILHIFIISKSYYLICKNKINI......KELCFFGGYTFLVESVFELSFYFIYLDGLG........IEKFLF   66
NTDB id 514 SMSK321 RS10615 WP 001048129.1      MNLFGVGLVIVYFLIISHSYRLICKGQINR......KELYVFSAYILLTEIVLDFPSYLLHLDDLG........IVKFLF   66
NTDB id 138 SP RS11430 WP 000364845.1           MDLLGFGTVIVHFLIISHSYRLICKGRINR......KELYVFGAYTLLTEIVLEFSFYLLYLDKIG........IERFLF   66
NTDB id 249 KZH43 RS10250 WP 000362880.1        MDLFGFGTVIVHFLIISHSYHFICKGQINR......KELFVFGAYTLLTEIVFDFPLYILYLDGLG........IERFLF   66
NTDB id 208 SPD RS10925 WP 000362880.1          MDLFGFGTVIVHFLIISHSYHFICKGQINR......KELFVFGAYTLLTEIVFDFPLYILYLDGLG........IERFLF   66
NTDB id 174 SPR RS10405 WP 000362880.1          MDLFGFGTVIVHFLIISHSYHFICKGQINR......KELFVFGAYTLLTEIVFDFPLYILYLDGLG........IERFLF   66
NTDB id 1009078 ABKA15 RS00035 WP 225620268.1  ..............MIEAVSVVYCYKKISRVNKVNIHFTLLCLGIVFSTD.............FTTLIHYSIRYMMFFIQ   53
NTDB id 419 DQL23 RS10745 WP 060553298.1        .MILKIIIAFFP.TIIQVVSYEIFHKKIMQSKKIDIKFIGLFFSIVFGISIIS..SILIEIPSFGDVISSIFHYIFLFIQ   76
NTDB id 416 SGO RS10505 WP 012131078.1          .MIFTIILSLFP.VIIQVFSYDFFYNKINRKKKINIKLIILFWGLIMVISFLY..SLFLLLPDYWKIFRDIFHYLFLLIQ   76
consensus                                       ***** * *******!****  *****!**      ******************* ******* **        ******

logo
NTDB id 486 SM12261 RS09375 WP 020902616.1      PLVLYSYFRF.IKKYEKYRGVFLSLLLSLLYNSTHTFLSVTLSSIIGDDTALQYHSLFFLVVVALTYVVIVTIIRYFHLE   145
NTDB id 514 SMSK321 RS10615 WP 001048129.1      PLVLYSYFRW.IKQYERDRGLFLSLLLSLLYESTHNFLSVTLSSLTGDNFVLQYYEPFFFLVTVLTYVVILKIIHYFHLD   145
NTDB id 138 SP RS11430 WP 000364845.1           PLGLYSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVIFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLE   145
NTDB id 249 KZH43 RS10250 WP 000362880.1        PLGLYSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLE   145
NTDB id 208 SPD RS10925 WP 000362880.1          PLGLYSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLE   145
NTDB id 174 SPR RS10405 WP 000362880.1          PLGLYSYFRW.MKQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLE   145
NTDB id 1009078 ABKA15 RS00035 WP 225620268.1  PLFFYLYFFK.VKKVKKHLSVFLALFLSLAVSSSETFFSVIISSVTGDKFVDRYWGLFYIFINIISLVFILKAIDYFKFN   132
NTDB id 419 DQL23 RS10745 WP 060553298.1        PLIFYKYFL.KRKEYDNYLNLFLSFVIYLSVETSETFLSVIISSITGDYFVKQHYDIFYIIINLLSLFIILKVVDFFDFY   155
NTDB id 416 SGO RS10505 WP 012131078.1          PLIFYKYFLIKRKEYENYLNLFLSFVIYLSVETSETFLSVIISSITGDSFVKQHYDIFYIIINLLSLFIILKVVDFFDFY   156
consensus                                       !! *!*!!** *!********!!*****!*******!*!!**!!**!!******* *!****************  *!***

logo
NTDB id 486 SM12261 RS09375 WP 020902616.1      LNYFDKDYLYPFLKKVFFALLLLHVVSFISDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKEKMEKEIALKQKKFE   225
NTDB id 514 SMSK321 RS10615 WP 001048129.1      LNYFDKDYLYPFLTKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKDQMEKEIALKQKKFE   225
NTDB id 138 SP RS11430 WP 000364845.1           LAYFDKDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFE   225
NTDB id 249 KZH43 RS10250 WP 000362880.1        LAYFDEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFE   225
NTDB id 208 SPD RS10925 WP 000362880.1          LAYFDEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFE   225
NTDB id 174 SPR RS10405 WP 000362880.1          LAYFDEDYLYPFLKKVFFALLLLHIVSFVSDMVSTIKHLNSFGSILSSIVFISLLLTFFAMNSHKVQMEKEIALKQKKFE   225
NTDB id 1009078 ABKA15 RS00035 WP 225620268.1  FKYFKKADFKENIVQLNFYLLFIHFLLNLSHWLSNMKNLNSFSSMIATICFLMFMSTLFYLQSIREKYEKEEQIKQKERE   212
NTDB id 419 DQL23 RS10745 WP 060553298.1        FEYYKEPIYKNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQHEKAKEIQQKKEE   235
NTDB id 416 SGO RS10505 WP 012131078.1          FEYYKEPIYKNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQYEKAKEIQQKKEE   236
consensus                                       * !*********************!*****!***!****!!!!*!****!*!*****!*!***!*****!!*****!!**!

logo
NTDB id 486 SM12261 RS09375 WP 020902616.1      QKHLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGDLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSL   305
NTDB id 514 SMSK321 RS10615 WP 001048129.1      QKHLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRVYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSL   305
NTDB id 138 SP RS11430 WP 000364845.1           QKHLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSL   305
NTDB id 249 KZH43 RS10250 WP 000362880.1        QKHLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSL   305
NTDB id 208 SPD RS10925 WP 000362880.1          QKHLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSL   305
NTDB id 174 SPR RS10405 WP 000362880.1          QKHLQNYTDEIVGLYNEIRGFRHDYAGMLVSMQMAIDSGNLQEIDRIYNEVLVKANHKLRSDKYTYFDLNNIEDSALRSL   305
NTDB id 1009078 ABKA15 RS00035 WP 225620268.1  QLQLQKYTDEIVSLYNEIRGFRHDYGGMLASFQSAIHTGDIKEVERIYQEVLVNANLQLRSDKYTYFDLNNVGDSALRSV   292
NTDB id 419 DQL23 RS10745 WP 060553298.1        QRQLQLYTDEIVGLYNEIRGFRHDYAGMLISLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSV   315
NTDB id 416 SGO RS10505 WP 012131078.1          QRQLQLYTDEIVGLYNEIRGFRHDYAGMLTSLQTGINSGDMKEVERIFHNVLSQANISLRSDDYTFFELNNVQDTALRSV   316
consensus                                       !**!!*!!!!!!*!!!!!!!!!!!!!*!!!*!*!**!**!***!**!****!!**!!**!!!!*!!*!*!!!**!*!!!!*
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logo
NTDB id 486 SM12261 RS09375 WP 020902616.1        VAQSIVYARNNGVEFTLEVKDKITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMT   385
NTDB id 514 SMSK321 RS10615 WP 001048129.1        VAQSIVYARNNGVEFTLEVKDIITRLPIDLLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMT   385
NTDB id 138 SP RS11430 WP 000364845.1             VAQSIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMT   385
NTDB id 249 KZH43 RS10250 WP 000362880.1          VAQSIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMT   385
NTDB id 208 SPD RS10925 WP 000362880.1            VAQSIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMT   385
NTDB id 174 SPR RS10405 WP 000362880.1            VAQSIVYARNNGVEFTLEVKDTITKLPIELLDLVRIMSVLLNNAVEGSADSYKKQMEVAVIKMETETVIVIQNSCKMTMT   385
NTDB id 1009078 ABKA15 RS00035 WP 225620268.1    MTQTLFKARDYNIELTFEVKDFVKPLPIKLLDLVRMTSVLLNNAIEGAAESYQKTMNVSLVDLDTETILVIQNSRKKRPL   372
NTDB id 419 DQL23 RS10745 WP 060553298.1          LIQTIFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYI   395
NTDB id 416 SGO RS10505 WP 012131078.1            LIQTIFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYI   396
consensus                                         **!****!!****!***!*!! ***!!**!!!!!!**!!!!!!!*!!*!*!**!*!*!*******!***!!!!!******

logo
NTDB id 486 SM12261 RS09375 WP 020902616.1        PSGDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 514 SMSK321 RS10615 WP 001048129.1        PSGDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 138 SP RS11430 WP 000364845.1             PSGDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 249 KZH43 RS10250 WP 000362880.1          PSGDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 208 SPD RS10925 WP 000362880.1            PSGDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 174 SPR RS10405 WP 000362880.1            PSGDLFALGFSTKGRNRGVGLNNVKELLDKYNNIILETEMEGSTFRQIIRFKREFE.   441
NTDB id 1009078 ABKA15 RS00035 WP 225620268.1    DLEEIYQTDFSTKGEGRGLGLSNIKEIINNYEGIILDTKIEDEYFTQVMRVRKEGL.   428
NTDB id 419 DQL23 RS10745 WP 060553298.1          NLEEIYEVGFSTKGENRGLGLNNVKEIIDKYDEVILETDIETNYFIQVVRFKRKEKI   452
NTDB id 416 SGO RS10505 WP 012131078.1            NLEEIYEVGFSTKGENRGLGLNNVKEIIDKYDEVILETDIETNYFIQVVRFKRKEKI   453
consensus                                         *********!!!!!**!!*!!*!*!!****!***!!*!**!***!*!**!******
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X non conserved

X similar

X $\geq$ 50% conserved