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logo
NTDB id 486 SM12261 RS09375 WP 020902616.1     MDFLAVLVVILHIFIISKSYYLICKNKINIK......ELCFFGGYTFLVESVFELSFYFIYLDGLG........IEKFLF   66
NTDB id 514 SMSK321 RS10615 WP 001048129.1     MNLFGVGLVIVYFLIISHSYRLICKGQINRK......ELYVFSAYILLTEIVLDFPSYLLHLDDLG........IVKFLF   66
NTDB id 138 SP RS11430 WP 000364845.1          MDLLGFGTVIVHFLIISHSYRLICKGRINRK......ELYVFGAYTLLTEIVLEFSFYLLYLDKIG........IERFLF   66
NTDB id 249 KZH43 RS10250 WP 000362880.1       MDLFGFGTVIVHFLIISHSYHFICKGQINRK......ELFVFGAYTLLTEIVFDFPLYILYLDGLG........IERFLF   66
NTDB id 208 SPD RS10925 WP 000362880.1         MDLFGFGTVIVHFLIISHSYHFICKGQINRK......ELFVFGAYTLLTEIVFDFPLYILYLDGLG........IERFLF   66
NTDB id 174 SPR RS10405 WP 000362880.1         MDLFGFGTVIVHFLIISHSYHFICKGQINRK......ELFVFGAYTLLTEIVFDFPLYILYLDGLG........IERFLF   66
NTDB id 70013 SA27298 RS09585 WP 211209167.1  MVKIEFIHWII.FSIIEAVSVVYCYKKISRVNKVNIHFTLLCLGIVFSTD.............FTTLIHYSIRYMMFFIQ   66
NTDB id 419 DQL23 RS10745 WP 060553298.1       .MILKIIIAFF.PTIIQVVSYEIFHKKIMQSKKIDIKFIGLFFSIVFGISIIS..SILIEIPSFGDVISSIFHYIFLFIQ   76
NTDB id 416 SGO RS10505 WP 012131078.1        .MIFTIILSLF.PVIIQVFSYDFFYNKINRKKKINIKLIILFWGLIMVISFLY..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 70013 SA27298 RS09585 WP 211209167.1  PLFFYLYFFK.VKKVKKHLSVFLALFLSLAVSSSETFFSVIISSVTGDKFVDRYWGLFYIFINIISLVFILKAIDYFKFN  145
NTDB id 419 DQL23 RS10745 WP 060553298.1       PLIFYKYFL.KRKEYDNYLNLFLSFVIYLSVETSETFLSVIISSITGDYFVKQHYDIFYIINLLSLFIILKVVDFFDFY  155
NTDB id 416 SGO RS10505 WP 012131078.1        PLIFYKYFLIKRKEYENYLNLFLSFVIYLSVETSETFLSVIISSITGDSFVKQHYDIFYIINLLSLFIILKVVDFFDFY  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 70013 SA27298 RS09585 WP 211209167.1  FKYFKKIDFKENIVQLNFYLLFIHLLLNVSHWLSNMKNLNSFSSMIATICFLMFMSILFYLQSIREKYEKEEQIKQKERE  225
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 70013 SA27298 RS09585 WP 211209167.1  QLQLQKYTDEIVSLYNEIRGFRHDYGGMLASFQSAIHTGDIKEVERIYQEVLVNANLQLRSDKYTYFDLNNVGDSALRSV  305
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 70013 SA27298 RS09585 WP 211209167.1  MTQTLFKTRDYNIELTFEVKDFVNPLPIKLLDLVRMTSVLLNNAIEGAAESYQKTMNVSLVDLDTETILVIQNSRKKRPL   385
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 70013 SA27298 RS09585 WP 211209167.1  DLEEIYQTDFSTKGEGRGLGLSNIKELINNYEGIILDTKIEDEYFTQVMRVRKEGL.   441
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