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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 1141478 DQN42 RS09595 WP 014829844.1  MVKIEFIYWV.IFSIIEAISVVYCYKKISRVNKVNIHFTLLCLGIVFL.............TDFTTIIHYSVRYIMFFIQ    66
NTDB id 419 DQL23 RS10745 WP 060553298.1      .MILKIIIAF.FPTIIQVVSYEIFHKKIMQSKKIDIKFIGLFFSIVFGISII..SSILIEIPSFGDVISSIFHYIFLFIQ    76
NTDB id 416 SGO RS10505 WP 012131078.1        .MIFTIILSL.FPVIIQVFSYDFFYNKINRKKKINIKLIILFWGLIMVISFL..YSLFLLLPDYWKIFRDIFHYLFLLIQ    76
consensus                                     ******* ******!!****  *****!**      *************** ** ******* **        ******

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NTDB id 486 SM12261 RS09375 WP 020902616.1    PLVLYSYFRFI.KKYEKYRGVFLSLLLSLLYNSTHTFLSVTLSSIIGDDTALQYHSLFFLVVVALTYVVIVTIIRYFHLE   145
NTDB id 514 SMSK321 RS10615 WP 001048129.1    PLVLYSYFRWI.KQYERDRGLFLSLLLSLLYESTHNFLSVTLSSLTGDNFVLQYYEPFFFLVTVLTYVVILKIIHYFHLD   145
NTDB id 138 SP RS11430 WP 000364845.1         PLGLYSYFRWM.KQYERDRGLFLSLLLSLLYESTHNFLSVIFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLE   145
NTDB id 249 KZH43 RS10250 WP 000362880.1      PLGLYSYFRWM.KQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLE   145
NTDB id 208 SPD RS10925 WP 000362880.1        PLGLYSYFRWM.KQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLE   145
NTDB id 174 SPR RS10405 WP 000362880.1        PLGLYSYFRWM.KQYERDRGLFLSLLLSLLYESTHNFLSVTFSSITGDNFVLQYHFPFFFVVTVLTYFVTLKIIYYFHLE   145
NTDB id 1141478 DQN42 RS09595 WP 014829844.1  PLFFYLYFVKV.KKVKKHSSLFLALFLSLAVSGSETFFSVIISSVTGDKFVDRYWGLFYIFINIISLVFILKAIDYFKFN   145
NTDB id 419 DQL23 RS10745 WP 060553298.1      PLIFYKYFL.KRKEYDNYLNLFLSFVIYLSVETSETFLSVIISSITGDYFVKQHYDIFYIIINLLSLFIILKVVDFFDFY   155
NTDB id 416 SGO RS10505 WP 012131078.1        PLIFYKYFLIKRKEYENYLNLFLSFVIYLSVETSETFLSVIISSITGDSFVKQHYDIFYIIINLLSLFIILKVVDFFDFY   156
consensus                                     !! *!*!!*** !********!!*****!*******!*!!**!!**!!******* *!****************  *!***

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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 1141478 DQN42 RS09595 WP 014829844.1  FKYFKKIDFKENIVQLNFYLLFIHLLLNISHWLSNMKNLNSFSSMIATICFLMFMSILFYLQSIREKYEKEEQIKQKEQE   225
NTDB id 419 DQL23 RS10745 WP 060553298.1      FEYYKEPIYKNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQHEKAKEIQQKKEE   235
NTDB id 416 SGO RS10505 WP 012131078.1        FEYYKEPIYKNDLYNVNKSYIVIHILLNISHWFSENAHLNSFASMIATIGFIMFLSTLFYLKSAREQYEKAKEIQQKKEE   236
consensus                                     * !*********************!*****!***!****!!!!*!****!*!*******!***!*****!!*****!!**!

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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 1141478 DQN42 RS09595 WP 014829844.1  QLQLQKYTDEIVNLYNEIRGFRHDYGGMLASFQSAIHTGDIKEVERIYQEVLVNANLQLRSDKYTYFDLNNVGDSALRSV   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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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 1141478 DQN42 RS09595 WP 014829844.1    MTQTLFKARDYNIELIFEVKDFVKPLPIKLLDLVRMTSVLLNNAIEGAAESYQKTLNVSLVDLDTETILVIQNSRKKRPL   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 1141478 DQN42 RS09595 WP 014829844.1    DLEEIYQTDFSTKGVGRGLGLSNIKELINNYEGIILDTKIEDEYFIQAMRVRKEGL.   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