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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 156805 SanJ4206 RS09790 WP 232202911.1  MKI.EFIHW.IIFSIIEAVSVVYCYKKISRVNKVNIHFTLLCLGIVFL..............TDFTTLIHYSIRYMMFFIQ   65
NTDB id 419 DQL23 RS10745 WP 060553298.1        MIL.KIIIA.FFPTIIQVVSYEIFHKKIMQSKKIDIKFIGLFFSIVFGISIIS..SILIEIPSFGDVISSIFHYIFLFIQ   76
NTDB id 416 SGO RS10505 WP 012131078.1          MIF.TIILS.LFPVIIQVFSYDFFYNKINRKKKINIKLIILFWGLIMVISFLY..SLFLLLPDYWKIFRDIFHYLFLLIQ   76
consensus                                       !** *** ******!!****  *****!**      ******************** ******* **        ******

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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 156805 SanJ4206 RS09790 WP 232202911.1  PLFFYLYFFK.VKKVKKHLSVFLALFLSLAVSSSETFFSVIISSVTGDKFVDRYWGLFYIFINIISLVFILKAIDYFKFN  144
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 156805 SanJ4206 RS09790 WP 232202911.1  FKYFKKADFKENIVQLNFYLLFIHFLLNLSHWLSNMKNLNSFSSMIATICFLMFMSTLFYLQSIREKYEKEEQIKQKERE  224
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 156805 SanJ4206 RS09790 WP 232202911.1  QLQLQKYTDEIVNLYNEIRGFRHDYGGMLASFQSAIHTSNIKEVERIYQEVLVNANLQLRSDKYTYFDLNNVGDSALRSV  304
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 156805 SanJ4206 RS09790 WP 232202911.1   MTQTLFKARDYNIELTFEVKDFVKPLPIKLLDLVRMTSVLLNNAIEGSAESYQKTMNVSLVDLDTETILVIQNSRKKRPL   384
NTDB id 419 DQL23 RS10745 WP 060553298.1          LIQTIFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYI   395
NTDB id 416 SGO RS10505 WP 012131078.1            LIQTIFKARECGVEIVFEMKDVIETLPMKLLDLVRVASVLLNNAVEGAAESPSKTMNVSLVKLDKEIVFVIQNSRQSRYI   396
consensus                                         **!****!!****!***!*!! ***!!**!!!!!!**!!!!!!!*!!*!*!**!*!*!*******!***!!!!!******

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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 156805 SanJ4206 RS09790 WP 232202911.1   DLEEIYQTDFSTKGEGRGLGLSNIKEIINNYEGIILDTKIEDEYFTQVMRVRKEGL.   440
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