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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 1120286 EL087 RS09195 WP 218969867.1   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 1120286 EL087 RS09195 WP 218969867.1   PLFFYLYFFK.VKKVKKHLSVFLALFLSLAVSSSETFFSVIISSVTGDKFVDRYWGLFYIFINIISLVFILKAIDYFKFN   144
NTDB id 419 DQL23 RS10745 WP 060553298.1       PLIFYKYFL.KRKEYDNYLNLFLSFVIYLSVETSETFLSVIISSITGDYFVKQHYDIFYIINLLSLFIILKVVDFFDFY   155
NTDB id 416 SGO RS10505 WP 012131078.1         PLIFYKYFLIKRKEYENYLNLFLSFVIYLSVETSETFLSVIISSITGDSFVKQHYDIFYIINLLSLFIILKVVDFFDFY   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 1120286 EL087 RS09195 WP 218969867.1   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 1120286 EL087 RS09195 WP 218969867.1   QLQLQKYTDEIVNLYNEIRGFRHDYGGMLASFQSAIHTGNIKEVERIYQEVLVNANLQLRSDKYTYFDLNNVGDSALRSV   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 1120286 EL087 RS09195 WP 218969867.1    MTQTLFKARDYNIELTFEVKDFVKPLPIKLLDLVRMTSVLLNNAIEGSAESYQKTMNVSLVDLDTETILVIQNSRKKRPL   384
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 1120286 EL087 RS09195 WP 218969867.1    DLEEIYQTDFSTKGEGRGLGLSNIKELINNYEGIILDTKIEDEYFTQVMRVRKEGL.   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