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logo
NTDB id 182955 LLJM1 RS11545 WP 021164968.1  ........MAK.ANIGKLLLTGVVGGAIALGGSAIYQSTTNQLGNANRSNTTSTKVSNVSVNVNTDVTSAIKKVSNSVVS   71
NTDB id 381 SMU RS09890 WP 002262650.1       MNNTKSHPFLKWFIPFLVIFLTFILGVISTLTFNWI.TGNKSFSNNG...K..TTVSNVIYDTKSNTTKAVKNVKNTVVS   74
NTDB id 425 SGO RS10525 WP 012131081.1       .MKNSSNFFKKTLQVFIVLLVGFIGGVAGTWGFSYF.STPHSATNNN...GKTATTVTTSYKNSNSTTEAVDKVKDAVVS   75
NTDB id 539 SM12261 RS09395 WP 000681587.1   .MKHLKTFYKKGFQLLVVIVISFFSGALGSFSINQL.TQKSTEST.S...NNNSTITQTAYKNENSTTQAVNKVKDAVVS   74
NTDB id 256 KZH43 RS10270 WP 000681597.1     .MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQL.TQKSSVNN.S...NNNSTITQTAYKNENSTTQAVNKVKDAVVS   74
NTDB id 215 SPD RS10945 WP 000681597.1       .MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQL.TQKSSVNN.S...NNNSTITQTAYKNENSTTQAVNKVKDAVVS   74
NTDB id 181 SPR RS10425 WP 000681597.1       .MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQL.TQKSSVNN.S...NNNSTITQTAYKNENSTTQAVNKVKDAVVS   74
NTDB id 145 SP RS11450 WP 000681597.1        .MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQL.TQKSSVNN.S...NNNSTITQTAYKNENSTTQAVNKVKDAVVS   74
consensus                                     *********!**************!**********  ******  *  *    ****************!*!***!***!!!

logo
NTDB id 182955 LLJM1 RS11545 WP 021164968.1  VMNYQKQNSQSDFSSIFGGNSGSSSANDSLQLSSEGSGVIYKKSGGDAYVVTNYHVIAGNSSLDVLLSGGQKVKATVVGY  151
NTDB id 381 SMU RS09890 WP 002262650.1       VINYQKTDNSYYNYD..SGSQEKNKSEDGLGVYGEGSGVIYKKDGDSAYLVTNNHVVKDAEKLEIMMANGKKVVGKLVGS  152
NTDB id 425 SGO RS10525 WP 012131081.1       VITYSESNSDAIF.......DNNNSGNENDQVASEGSGVIYRKDKDYAYLVTNTHVINGAKKVDIRLADGNKVPGEIVGT  148
NTDB id 539 SM12261 RS09395 WP 000681587.1   VITYSANRQNSVF.......GNDDTDTDSQQISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGA  147
NTDB id 256 KZH43 RS10270 WP 000681597.1     VITYSANRQNSVF.......GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGA  147
NTDB id 215 SPD RS10945 WP 000681597.1       VITYSANRQNSVF.......GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGA  147
NTDB id 181 SPR RS10425 WP 000681597.1       VITYSANRQNSVF.......GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGA  147
NTDB id 145 SP RS11450 WP 000681597.1        VITYSANRQNSVF.......GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGA  147
consensus                                    !**!********        **********  ***!!!!!!!*!****!!*!!!*!!*************!*!!****!!*

logo
NTDB id 182955 LLJM1 RS11545 WP 021164968.1  DEYTDLAVLKISSDHVKDVATFADSSKLTIGEPAIAVGSPLGSQFANTATEGILSATSRQVTLTQENGQTTSINAIQTDA  231
NTDB id 381 SMU RS09890 WP 002262650.1       DTYSDLAVIKISSKYVTTVAEFANSDKIKVGEPAIAIGSPLGSDYANSVTEGIVSSLSRTVTSQNENGETISTNAIQTDA  232
NTDB id 425 SGO RS10525 WP 012131081.1       DTYSDISVVRIPADKVKNVAEFGDSSKLTVGETAIAIGSPLGSDYANTVTQGIVSSLSRNVSSRSEDGQTIATQAIQTDA  228
NTDB id 539 SM12261 RS09395 WP 000681587.1   DTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDT  227
NTDB id 256 KZH43 RS10270 WP 000681597.1     DTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDT  227
NTDB id 215 SPD RS10945 WP 000681597.1       DTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDT  227
NTDB id 181 SPR RS10425 WP 000681597.1       DTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDT  227
NTDB id 145 SP RS11450 WP 000681597.1        DTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDT  227
consensus                                    !***!**!**!****!**!!*!**!*!***!!*!!!!*!!!!!!*!!**!*!!*!***!*!****!*!*****!!!!!*

logo
NTDB id 182955 LLJM1 RS11545 WP 021164968.1  AINPGNSGGALINIEGQVIGITQSKITTTED..GSTSVEGLGFAIPSNDVVNIINKLETDGKISRPALGIRMVDLSQLST  309
NTDB id 381 SMU RS09890 WP 002262650.1       AINPGNSGGALINIKGQVIGINSSKIASSNNSNSGVAVEGMGFAIPSNDVVSIINQLEENGEVVRPALGISMANLSEAST  312
NTDB id 425 SGO RS10525 WP 012131081.1       AINPGNSGGPLVNIQGQVIGITSSKIANTNN..GSTSVEGMGFAIPSNDVVNIIEQLEKNGKVIRPALGIQMVNLSSLSS  306
NTDB id 539 SM12261 RS09395 WP 000681587.1   AINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNINT  303
NTDB id 256 KZH43 RS10270 WP 000681597.1     AINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVST  303
NTDB id 215 SPD RS10945 WP 000681597.1       AINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVST  303
NTDB id 181 SPR RS10425 WP 000681597.1       AINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVST  303
NTDB id 145 SP RS11450 WP 000681597.1        AINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVST  303
consensus                                    !!!!!!!!!*!*!!*!!!!!!**!!!**  *  ****!!!*!!!!!*!!***!!**!!**!***!!!!!!*!**!!****
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logo

NTDB id 182955 LLJM1 RS11545 WP 021164968.1  NDSSQLKLPSSVTGGLVVYSVQAGLPAATAGLKAGDVITKVGDTAVTSSTDLQSALYSHNINDTVKVTYYRDGKSATANV  389
NTDB id 381 SMU RS09890 WP 002262650.1       SGRDTLKIPSDVTSGIVVLSTQSGMPAD.GKLKKYDVITEIDGKKVASISDLQSILYKHKKGDKIKLTFYREKDKQTVEI  391
NTDB id 425 SGO RS10525 WP 012131081.1       SSSDRLKLPDNVKNGVVVRSTQTGMPAD.GKLEKYDVITKIDDTEISSASDIQSALYKHSINEEIKVTYYRDGKEQTTTI  385
NTDB id 539 SM12261 RS09395 WP 000681587.1   SDIRRLNIPSNVTSGVVVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSI  382
NTDB id 256 KZH43 RS10270 WP 000681597.1     SDIRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSI  382
NTDB id 215 SPD RS10945 WP 000681597.1       SDIRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSI  382
NTDB id 181 SPR RS10425 WP 000681597.1       SDIRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSI  382
NTDB id 145 SP RS11450 WP 000681597.1        SDIRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSI  382
consensus                                    *****!**!**!**!**!*!*!***!!* **!***!!!!********!**!*!!*!!*!******!*!*!!*****!***
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logo

NTDB id 182955 LLJM1 RS11545 WP 021164968.1  KLSKSTSDLETNSSSSSN   407
NTDB id 381 SMU RS09890 WP 002262650.1       QLTKTSQDLNH.......   402
NTDB id 425 SGO RS10525 WP 012131081.1       KLTKSTDDLSSE......   397
NTDB id 539 SM12261 RS09395 WP 000681587.1   KLDKSSGDLES.......   393
NTDB id 256 KZH43 RS10270 WP 000681597.1     KLNKSSGDLES.......   393
NTDB id 215 SPD RS10945 WP 000681597.1       KLNKSSGDLES.......   393
NTDB id 181 SPR RS10425 WP 000681597.1       KLNKSSGDLES.......   393
NTDB id 145 SP RS11450 WP 000681597.1        KLNKSSGDLES.......   393
consensus                                    *! !***!!**
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X non conserved
X similar
X $\geq$ 50% conserved