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logo
NTDB id 1077612 ACJKN5 RS04080 WP 014325193.1  .........MVQSALTKTLLTGVIAGVVGGGAILYGQQGVQLLQNQNQKVSTTATSTKTIAKNATATSAYNKVSDAVVSV   71
NTDB id 381 SMU RS09890 WP 002262650.1         MNNTKSHPFLKWFIPFLVIFLTFILGVISTLTFNWITGNKSFS.NNGK..T..TVSNVIYDTKSNTTKAVKNVKNTVVSV   75
NTDB id 425 SGO RS10525 WP 012131081.1         .MKNSSNFFKKTLQVFIVLLVGFIGGVAGTWGFSYFSTPHSAT.NNNQKTA..TTVTTSYKNSNSTTEAVDKVKDAVVSV   76
NTDB id 539 SM12261 RS09395 WP 000681587.1     .MKHLKTFYKKGFQLLVVIVISFFSGALGSFSINQLTQKSIES.T.SNNNS..TITQTAYKNENSTTQAVNKVKDAVVSV   75
NTDB id 256 KZH43 RS10270 WP 000681597.1       .MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSSVN.N.SNNNS..TITQTAYKNENSTTQAVNKVKDAVVSV   75
NTDB id 215 SPD RS10945 WP 000681597.1         .MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSSVN.N.SNNNS..TITQTAYKNENSTTQAVNKVKDAVVSV   75
NTDB id 181 SPR RS10425 WP 000681597.1         .MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSSVN.N.SNNNS..TITQTAYKNENSTTQAVNKVKDAVVSV   75
NTDB id 145 SP RS11450 WP 000681597.1          .MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSSVN.N.SNNNS..TITQTAYKNENSTTQAVNKVKDAVVSV   75
consensus                                       **********************!***************  * *****  *************!*!***!***!!!!

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NTDB id 1077612 ACJKN5 RS04080 WP 014325193.1  LNFTKSSQGSY................QESSEGSGVIYKKTDGSAFIVTNNHVITGAAKIQVMLHSGKKVTATLVGKDAM  135
NTDB id 381 SMU RS09890 WP 002262650.1         INYQKTDNSYYNYDSGSQEKNKSEDGLGVYGEGSGVIYKKDGDSAYLVTNNHVVKDAEKLEIMMANGKKVVGKLVGSDTY  155
NTDB id 425 SGO RS10525 WP 012131081.1         ITYSESNSDAIF.....DNNNSGNENDQVASEGSGVIYRKDKDYAYLVTNTHVINGAKKVDIRLADGNKVPGEIVGTDTY  151
NTDB id 539 SM12261 RS09395 WP 000681587.1     ITYSANRQNSVF.....GNDDTDTDSQQISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGADTF  150
NTDB id 256 KZH43 RS10270 WP 000681597.1       ITYSANRQNSVF.....GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGADTF  150
NTDB id 215 SPD RS10945 WP 000681597.1         ITYSANRQNSVF.....GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGADTF  150
NTDB id 181 SPR RS10425 WP 000681597.1         ITYSANRQNSVF.....GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGADTF  150
NTDB id 145 SP RS11450 WP 000681597.1          ITYSANRQNSVF.....GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGADTF  150
consensus                                      ***********     *********  ***!!!!!!!*!****!**!!!!*!!***!*!*******!*!!****!!*!**

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NTDB id 1077612 ACJKN5 RS04080 WP 014325193.1  TDLAVLKIDGTDVTTTAQFGDSSKITVGENVLAIGSPLGSEYASSVTQGIISAKKRLVEATSENGQNYGGSTVIQTDAAI  215
NTDB id 381 SMU RS09890 WP 002262650.1         SDLAVIKISSKYVTTVAEFANSDKIKVGEPAIAIGSPLGSDYANSVTEGIVSSLSRTVTSQNENGETIS.TNAIQTDAAI  234
NTDB id 425 SGO RS10525 WP 012131081.1         SDISVVRIPADKVKNVAEFGDSSKLTVGETAIAIGSPLGSDYANTVTQGIVSSLSRNVSSRSEDGQTIA.TQAIQTDAAI  230
NTDB id 539 SM12261 RS09395 WP 000681587.1     SDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAIS.TKAIQTDTAI  229
NTDB id 256 KZH43 RS10270 WP 000681597.1       SDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAIS.TKAIQTDTAI  229
NTDB id 215 SPD RS10945 WP 000681597.1         SDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAIS.TKAIQTDTAI  229
NTDB id 181 SPR RS10425 WP 000681597.1         SDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAIS.TKAIQTDTAI  229
NTDB id 145 SP RS11450 WP 000681597.1          SDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAIS.TKAIQTDTAI  229
consensus                                      *!**!**!****!***!*!**!*!**!!!***!!!!!!!!*!!**!!*!!*!***!*!****!*!****  ***!!!!*!!

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NTDB id 1077612 ACJKN5 RS04080 WP 014325193.1  NPGNSGGPLINFAGQVIGINSMKLSTS...SSGTSVEGMGFAIPSDQVVDIVNKLVKDGKVTRPAIGISLINLSEVTASE  292
NTDB id 381 SMU RS09890 WP 002262650.1         NPGNSGGALINIKGQVIGINSSKIASSNNSNSGVAVEGMGFAIPSNDVVSIINQLEENGEVVRPALGISMANLSEASTSG  314
NTDB id 425 SGO RS10525 WP 012131081.1         NPGNSGGPLVNIQGQVIGITSSKIANTNN..GSTSVEGMGFAIPSNDVVNIIEQLEKNGKVIRPALGIQMVNLSSLSSSS  308
NTDB id 539 SM12261 RS09395 WP 000681587.1     NPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNINTSD  305
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NTDB id 215 SPD RS10945 WP 000681597.1         NPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTSD  305
NTDB id 181 SPR RS10425 WP 000681597.1         NPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTSD  305
NTDB id 145 SP RS11450 WP 000681597.1          NPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTSD  305
consensus                                      !!!!!!!*!*!**!!!!!!*!*!***  *  ****!!!*!!!!!******!***!***!*!*!!!*!!***!!!****!*
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NTDB id 1077612 ACJKN5 RS04080 WP 014325193.1  QKSTLKIPDSVTGGVVVMSLTNNGPADKAGLKKYDVIVGINGKKVSSQADLREELYKHSLGDTITLTYYHQDTKQTVKVK   372
NTDB id 381 SMU RS09890 WP 002262650.1         .RDTLKIPSDVTSGIVVLSTQSGMPAD.GKLKKYDVITEIDGKKVASISDLQSILYKHKKGDKIKLTFYREKDKQTVEIQ   392
NTDB id 425 SGO RS10525 WP 012131081.1         .SDRLKLPDNVKNGVVVRSTQTGMPAD.GKLEKYDVITKIDDTEISSASDIQSALYKHSINEEIKVTYYRDGKEQTTTIK   386
NTDB id 539 SM12261 RS09395 WP 000681587.1     .IRRLNIPSNVTSGVVVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIK   383
NTDB id 256 KZH43 RS10270 WP 000681597.1       .IRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIK   383
NTDB id 215 SPD RS10945 WP 000681597.1         .IRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIK   383
NTDB id 181 SPR RS10425 WP 000681597.1         .IRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIK   383
NTDB id 145 SP RS11450 WP 000681597.1          .IRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIK   383
consensus                                       ***!**!**!**!**!*!*****!!*  **!*!!!!!*********!**!****!!*!*****!**!*!******!****
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logo
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NTDB id 1077612 ACJKN5 RS04080 WP 014325193.1  LTQKLAS....   379
NTDB id 381 SMU RS09890 WP 002262650.1         LTKTSQDLNH.   402
NTDB id 425 SGO RS10525 WP 012131081.1         LTKSTDDLSSE   397
NTDB id 539 SM12261 RS09395 WP 000681587.1     LDKSSGDLES.   393
NTDB id 256 KZH43 RS10270 WP 000681597.1       LNKSSGDLES.   393
NTDB id 215 SPD RS10945 WP 000681597.1         LNKSSGDLES.   393
NTDB id 181 SPR RS10425 WP 000681597.1         LNKSSGDLES.   393
NTDB id 145 SP RS11450 WP 000681597.1          LNKSSGDLES.   393
consensus                                      !  *******
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X non conserved
X similar
X $\geq$ 50% conserved