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logo

NTDB id 1062369 ACF0HZ RS09590 WP 072614345.1  .........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 1062369 ACF0HZ RS09590 WP 072614345.1  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 1062369 ACF0HZ RS09590 WP 072614345.1  TDLAVLKIDGTDVTTTAQFGDSSKITVGENVLAIGSPLGSEYASSVTQGIISAKKRLVETTSENGQNYGGSTVIQTDAAI   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 1062369 ACF0HZ RS09590 WP 072614345.1  NPGNSGGPLINFAGQVIGINSMKLSTS...SSGTSVEGMGFAIPSDQVVDIVNKLVKNGKVTRPAIGISLINLSEVTASE   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
NTDB id 256 KZH43 RS10270 WP 000681597.1       NPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTSD   305
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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logo
NTDB id 1062369 ACF0HZ RS09590 WP 072614345.1  QKSTLKIPDSVTGGVVVMSLTNNGPADKAGLKKYDVIVGINGKKVSSQADLREELYKNSLGDTITLTYYHQDTKKTVKVK   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                                       ***!**!**!**!**!*!*****!!* **!*!!!!!*********!**!****!!*******!**!*!******!****

logo
NTDB id 1062369 ACF0HZ RS09590 WP 072614345.1  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