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logo
NTDB id 414625 GU336 RS00660 WP 096039855.1  .MKNSKKTA......VKLIAAGIIGGAVSLGGNIAYDHFTGDTPIKTNQTSTTKVSDVSYKVSSSTTKAIAKVSDAVVSV   73
NTDB id 381 SMU RS09890 WP 002262650.1       MNNTKSHPFLKWFIPFLVIFLTFILG...VISTLTFNWITGNKSFSNNGK..TTVSNVIYDTKSNTTKAVKNVKNTVVSV   75
NTDB id 425 SGO RS10525 WP 012131081.1       .MKNSSNFFKKTLQVFIVLLVGFIGG...VAGTWGFSYFSTPHSATNNNQKTATTVTTSYKNSNSTTEAVDKVKDAVVSV   76
NTDB id 539 SM12261 RS09395 WP 000681587.1   .MKHLKTFYKKGFQLLVVIVISFFSG...ALGSFSINQLTQKSTEST.SNNNSTITQTAYKNENSTTQAVNKVKDAVVSV   75
NTDB id 256 KZH43 RS10270 WP 000681597.1     .MKHLKTFYKKWFQLLVVIVISFFSG...ALGSFSITQLTQKSSVNN.SNNNSTITQTAYKNENSTTQAVNKVKDAVVSV   75
NTDB id 215 SPD RS10945 WP 000681597.1       .MKHLKTFYKKWFQLLVVIVISFFSG...ALGSFSITQLTQKSSVNN.SNNNSTITQTAYKNENSTTQAVNKVKDAVVSV   75
NTDB id 181 SPR RS10425 WP 000681597.1       .MKHLKTFYKKWFQLLVVIVISFFSG...ALGSFSITQLTQKSSVNN.SNNNSTITQTAYKNENSTTQAVNKVKDAVVSV   75
NTDB id 145 SP RS11450 WP 000681597.1        .MKHLKTFYKKWFQLLVVIVISFFSG...ALGSFSITQLTQKSSVNN.SNNNSTITQTAYKNENSTTQAVNKVKDAVVSV   75
consensus                                     **********************!    *************** *  ***********!*****!!*!***!***!!!!

logo
NTDB id 414625 GU336 RS00660 WP 096039855.1  INYQKASSSNSLDDLFGDSSSTNKDNAKEQPAGEGSGVIYKKDGDYAYIVTNNHVVDGASSLEIMLSNGNKVKGTLVGKD  153
NTDB id 381 SMU RS09890 WP 002262650.1       INYQKTDNSYYNYDS..GSQEKNKSEDGLGVYGEGSGVIYKKDGDSAYLVTNNHVVKDAEKLEIMMANGKKVVGKLVGSD  153
NTDB id 425 SGO RS10525 WP 012131081.1       ITYSESNSDAIF.......DNNNSGNENDQVASEGSGVIYRKDKDYAYLVTNTHVINGAKKVDIRLADGNKVPGEIVGTD  149
NTDB id 539 SM12261 RS09395 WP 000681587.1   ITYSANRQNSVF.......GNDDTDTDSQQISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGAD  148
NTDB id 256 KZH43 RS10270 WP 000681597.1     ITYSANRQNSVF.......GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGAD  148
NTDB id 215 SPD RS10945 WP 000681597.1       ITYSANRQNSVF.......GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGAD  148
NTDB id 181 SPR RS10425 WP 000681597.1       ITYSANRQNSVF.......GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGAD  148
NTDB id 145 SP RS11450 WP 000681597.1        ITYSANRQNSVF.......GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGAD  148
consensus                                    !*!*********       ********** ***!!!!!!!*!****!!*!!!*!!***!****!****!*!!*!**!!*!

logo
NTDB id 414625 GU336 RS00660 WP 096039855.1  AYSDLAVIKIPSKEVTKVAEFGDSSKLTVGEPAIAIGSPLGSEYANSATEGIISSLSRKVIMQNESNETVNVNAIQTDAA  233
NTDB id 381 SMU RS09890 WP 002262650.1       TYSDLAVIKISSKYVTTVAEFANSDKIKVGEPAIAIGSPLGSDYANSVTEGIVSSLSRTVTSQNENGETISTNAIQTDAA  233
NTDB id 425 SGO RS10525 WP 012131081.1       TYSDISVVRIPADKVKNVAEFGDSSKLTVGETAIAIGSPLGSDYANTVTQGIVSSLSRNVSSRSEDGQTIATQAIQTDAA  229
NTDB id 539 SM12261 RS09395 WP 000681587.1   TFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTA  228
NTDB id 256 KZH43 RS10270 WP 000681597.1     TFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTA  228
NTDB id 215 SPD RS10945 WP 000681597.1       TFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTA  228
NTDB id 181 SPR RS10425 WP 000681597.1       TFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTA  228
NTDB id 145 SP RS11450 WP 000681597.1        TFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTA  228
consensus                                    **!!**!**!****!**!!!!**!*!**!!!*!!!!!!!!!!*!!!**!*!!*!!!*!*!****!*******!!!!!*!

logo
NTDB id 414625 GU336 RS00660 WP 096039855.1  INPGNSGGALINVEGQVIGINSSKISATGSSSRDVSVEGMGFAIPSNDVVEIISKLEKDGEIKRPALGVQMVDLTGINSR  313
NTDB id 381 SMU RS09890 WP 002262650.1       INPGNSGGALINIKGQVIGINSSKIASSNNSNSGVAVEGMGFAIPSNDVVSIINQLEENGEVVRPALGISMANLSEASTS  313
NTDB id 425 SGO RS10525 WP 012131081.1       INPGNSGGPLVNIQGQVIGITSSKIANTNN..GSTSVEGMGFAIPSNDVVNIIEQLEKNGKVIRPALGIQMVNLSSLSSS  307
NTDB id 539 SM12261 RS09395 WP 000681587.1   INPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNINTS  304
NTDB id 256 KZH43 RS10270 WP 000681597.1     INPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTS  304
NTDB id 215 SPD RS10945 WP 000681597.1       INPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTS  304
NTDB id 181 SPR RS10425 WP 000681597.1       INPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTS  304
NTDB id 145 SP RS11450 WP 000681597.1        INPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTS  304
consensus                                    !!!!!!!!*!*!**!!!!!!*!!!!**  *  ****!!!*!!!!!*!!***!!**!!**!***!!!!!**!**!******
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logo
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NTDB id 414625 GU336 RS00660 WP 096039855.1   YIDELKLPDSVTAGVVAKVQKGLPADTAGLKKYDVITKIGDTKVTTSTELQSALYKYNVGDEMKVTYYREGKEKTATVK   393
NTDB id 381 SMU RS09890 WP 002262650.1        GRDTLKIPSDVTSGIVVLSTQSGMPADG.KLKKYDVITEIDGKKVASISDLQSILYKHKKGDKIKLTFYREKDKQTVEIQ   392
NTDB id 425 SGO RS10525 WP 012131081.1        SSDRLKLPDNVKNGVVVRSTQTGMPADG.KLEKYDVITKIDDTEISSASDIQSALYKHSINEEIKVTYYRDGKEQTTTIK   386
NTDB id 539 SM12261 RS09395 WP 000681587.1    DIRRLNIPSNVTSGVVVRSVQSNMPANG.HLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIK   383
NTDB id 256 KZH43 RS10270 WP 000681597.1      DIRRLNIPSNVTSGVIVRSVQSNMPANG.HLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIK   383
NTDB id 215 SPD RS10945 WP 000681597.1        DIRRLNIPSNVTSGVIVRSVQSNMPANG.HLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIK   383
NTDB id 181 SPR RS10425 WP 000681597.1        DIRRLNIPSNVTSGVIVRSVQSNMPANG.HLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIK   383
NTDB id 145 SP RS11450 WP 000681597.1         DIRRLNIPSNVTSGVIVRSVQSNMPANG.HLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIK   383
consensus                                     ****!**!**!**!**!***!***!!**  *!*!!!!!!*********!!*!!********!*!*!!*****!****
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logo
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NTDB id 414625 GU336 RS00660 WP 096039855.1   LATSSDKLDFKDAESAKAEQDK   415
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