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logo

NTDB id 100596 QUD44 RS09340 WP 017369969.1  .......MAKKNIAS..LLITGVAGGAIALGGSAIYQNMTNTPSSNN..TSDNSVSTVNVQVNTDTTKALKKISNTVVSV   69
NTDB id 381 SMU RS09890 WP 002262650.1       MNNTKSHPFLKWFIPFLVIFLTFILGVIS...TLTFNWITGNKSFSNNGK..TTVSNVIYDTKSNTTKAVKNVKNTVVSV   75
NTDB id 425 SGO RS10525 WP 012131081.1       .MKNSSNFFKKTLQVFIVLLVGFIGGVAG...TWGFSYFSTPHSATNNNQKTATTVTTSYKNSNSTTEAVDKVKDAVVSV   76
NTDB id 539 SM12261 RS09395 WP 000681587.1  .MKHLKTFYKKGFQLLVVIVISFFSGALG...SFSINQLTQKSTEST.SNNNSTITQTAYKNENSTTQAVNKVKDAVVSV   75
NTDB id 256 KZH43 RS10270 WP 000681597.1    .MKHLKTFYKKWFQLLVVIVISFFSGALG...SFSITQLTQKSSVNN.SNNNSTITQTAYKNENSTTQAVNKVKDAVVSV   75
NTDB id 215 SPD RS10945 WP 000681597.1      .MKHLKTFYKKWFQLLVVIVISFFSGALG...SFSITQLTQKSSVNN.SNNNSTITQTAYKNENSTTQAVNKVKDAVVSV   75
NTDB id 181 SPR RS10425 WP 000681597.1      .MKHLKTFYKKWFQLLVVIVISFFSGALG...SFSITQLTQKSSVNN.SNNNSTITQTAYKNENSTTQAVNKVKDAVVSV   75
NTDB id 145 SP RS11450 WP 000681597.1       .MKHLKTFYKKWFQLLVVIVISFFSGALG...SFSITQLTQKSSVNN.SNNNSTITQTAYKNENSTTQAVNKVKDAVVSV   75
consensus                                    ********!**************!***    ************  **  ****************!!*!*******!!!!

logo

NTDB id 100596 QUD44 RS09340 WP 017369969.1  LNYQKSSSSNDFEKIFGGGDTSSNESNSPQLSGEGSGVIYKKDGNTAYIVTNYHVIEGASSLEVLMAGGQKVTAEVVGSD  149
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                                    **!********        **********  ***!!!!!!!!*!****!!*!!!*!!***!*********!*!!****!!*!

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NTDB id 100596 QUD44 RS09340 WP 017369969.1  AYSDLAVLKIDAKYVQETATFGNSDKLTVGEPAIAVGSPLGSEYANSATEGIVSSLNRNVTLQNSQGQTINVNAIQTDAA  229
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 100596 QUD44 RS09340 WP 017369969.1  INPGNSGGALINIQGQVIGITSSKITSTPSGTSSSGVSVEGMGFAIPANDVVNIINKLEKDGKVIRPALGVQMVNLSSLS  309
NTDB id 381 SMU RS09890 WP 002262650.1       INPGNSGGALINIKGQVIGINSSKIASSN..NSNSGVAVEGMGFAIPSNDVVSIINQLEENGEVVRPALGISMANLSEAS  311
NTDB id 425 SGO RS10525 WP 012131081.1       INPGNSGGPLVNIQGQVIGITSSKIANTN..N..GSTSVEGMGFAIPSNDVVNIIEQLEKNGKVIRPALGIQMVNLSSLS  305
NTDB id 539 SM12261 RS09395 WP 000681587.1  INPGNSGGPLINIQGQVIGITSSKIAT....N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNIN  302
NTDB id 256 KZH43 RS10270 WP 000681597.1    INPGNSGGPLINIQGQVIGITSSKIAT....N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVS  302
NTDB id 215 SPD RS10945 WP 000681597.1      INPGNSGGPLINIQGQVIGITSSKIAT....N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVS  302
NTDB id 181 SPR RS10425 WP 000681597.1      INPGNSGGPLINIQGQVIGITSSKIAT....N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVS  302
NTDB id 145 SP RS11450 WP 000681597.1       INPGNSGGPLINIQGQVIGITSSKIAT....N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVS  302
consensus                                    !!!!!!!!!*!*!!*!!!!!!*!!!!**     *  ****!!!*!!!!!*!!***!!**!!**!*!*!!!!!**!*!!!***
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logo

NTDB id 100596 QUD44 RS09340 WP 017369969.1  QNMLASLNLPEDVTNGVAVAEVQSGMPAAKAGLKQGDVIVKINDDEITSSVNLQSTLYKSSIGDTIKVTYYRDGKQATTN   389
NTDB id 381 SMU RS09890 WP 002262650.1       TSGRDTLKIPSDVTSGIVVLSTQSGMPAD.GKLKKYDVITEIDGKKVASISDLQSILYKHKKGDKIKLTFYREKDKQTVE   390
NTDB id 425 SGO RS10525 WP 012131081.1       SSSSDRLKLPDNVKNGVVVRSTQTGMPAD.GKLEKYDVITKIDDTEISSASDIQSALYKHSINEEIKVTYYRDGKEQTTT   384
NTDB id 539 SM12261 RS09395 WP 000681587.1   TSDIRRLNIPSNVTSGVVVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTS   381
NTDB id 256 KZH43 RS10270 WP 000681597.1     TSDIRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTS   381
NTDB id 215 SPD RS10945 WP 000681597.1       TSDIRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTS   381
NTDB id 181 SPR RS10425 WP 000681597.1       TSDIRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTS   381
NTDB id 145 SP RS11450 WP 000681597.1        TSDIRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTS   381
consensus                                    ******!**!**!**!**!***!**!!!* **!***!!!**********!*****!!*!!******!!*!*!!*****!**

logo

NTDB id 100596 QUD44 RS09340 WP 017369969.1  IKLDKTSSDINFDKQN   405
NTDB id 381 SMU RS09890 WP 002262650.1       IQLTKTSQDLNH....   402
NTDB id 425 SGO RS10525 WP 012131081.1       IKLTKSTDDLSSE...   397
NTDB id 539 SM12261 RS09395 WP 000681587.1   IKLDKSSGDLES....   393
NTDB id 256 KZH43 RS10270 WP 000681597.1     IKLNKSSGDLES....   393
NTDB id 215 SPD RS10945 WP 000681597.1       IKLNKSSGDLES....   393
NTDB id 181 SPR RS10425 WP 000681597.1       IKLNKSSGDLES....   393
NTDB id 145 SP RS11450 WP 000681597.1        IKLNKSSGDLES....   393
consensus                                    !*! !***!***
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X non conserved

X similar

X $\geq$ 50% conserved