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logo
NTDB id 381 SMU RS09890 WP 002262650.1       MNNTKSHPFLKWFIPFLVIFLTFILGVISTLTFNWITGNKSFSNNGK..TTVSNVIYDTKSNTTKAVKNVKNTVVSVINYQKTDN   83
NTDB id 425 SGO RS10525 WP 012131081.1       .MKNSSNFFKKTLQVFIVLLVGFIGGVAGTWGFSYFSTPHSATNNNQKTATTVTTSYKNSNSTTEAVDKVKDAVVSVITYSESNS   84
NTDB id 256 KZH43 RS10270 WP 000681597.1     .MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSSVN.NSNNNSTITQTAYKNENSTTQAVNKVKDAVVSVITYSANRQ   83
NTDB id 215 SPD RS10945 WP 000681597.1       .MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSSVN.NSNNNSTITQTAYKNENSTTQAVNKVKDAVVSVITYSANRQ   83
NTDB id 181 SPR RS10425 WP 000681597.1       .MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSSVN.NSNNNSTITQTAYKNENSTTQAVNKVKDAVVSVITYSANRQ   83
NTDB id 145 SP RS11450 WP 000681597.1        .MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSSVN.NSNNNSTITQTAYKNENSTTQAVNKVKDAVVSVITYSANRQ   83
NTDB id 85781 STYK RS10225 WP 060627321.1    .MKHLKTFYKKGFQLLVVIVISFISGALGSFSINQLTQKSTVS.TSNNNSTITQTAYKNENSTTQAVNKVKDAVVSVITYSANRQ   83
NTDB id 539 SM12261 RS09395 WP 000681587.1   .MKHLKTFYKKGFQLLVVIVISFFSGALGSFSINQLTQKSTES.TSNNNSTITQTAYKNENSTTQAVNKVKDAVVSVITYSANRQ   83
consensus                                     *********!******!****!**!****************  ******!*****!*****!!*!!**!!**!!!!!*!*****

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NTDB id 381 SMU RS09890 WP 002262650.1       SYYNYDSGSQEKNKSEDGLGVYGEGSGVIYKKDGDSAYLVTNNHVVKDAEKLEIMMANGKKVVGKLVGSDTYSDLAVIKISSKYV   168
NTDB id 425 SGO RS10525 WP 012131081.1       DAIF.....DNNNSGNENDQVASEGSGVIYRKDKDYAYLVTNTHVINGAKKVDIRLADGNKVPGEIVGTDTYSDISVVRIPADKV   164
NTDB id 256 KZH43 RS10270 WP 000681597.1     NSVF.....GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGADTFSDIAVVKISSEKV   163
NTDB id 215 SPD RS10945 WP 000681597.1       NSVF.....GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGADTFSDIAVVKISSEKV   163
NTDB id 181 SPR RS10425 WP 000681597.1       NSVF.....GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGADTFSDIAVVKISSEKV   163
NTDB id 145 SP RS11450 WP 000681597.1        NSVF.....GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGADTFSDIAVVKISSEKV   163
NTDB id 85781 STYK RS10225 WP 060627321.1    NSVF.....GNDDTDTDSQQISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGADTFSDIAVVKISSEKV   163
NTDB id 539 SM12261 RS09395 WP 000681587.1   NSVF.....GNDDTDTDSQQISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVGADTFSDIAVVKISSEKV   163
consensus                                    ****     *********** ***!!!!!!!!*!****!!*!!!*!!***!*!**!****!*!!*!**!!*!!*!!**!**!****!

logo
NTDB id 381 SMU RS09890 WP 002262650.1       TTVAEFANSDKIKVGEPAIAIGSPLGSDYANSVTEGIVSSLSRTVTSQNENGETISTNAIQTDAAINPGNSGGALINIKGQVIGI   253
NTDB id 425 SGO RS10525 WP 012131081.1       KNVAEFGDSSKLTVGETAIAIGSPLGSDYANTVTQGIVSSLSRNVSSRSEDGQTIATQAIQTDAAINPGNSGGPLVNIQGQVIGI   249
NTDB id 256 KZH43 RS10270 WP 000681597.1     TTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTAINPGNSGGPLINIQGQVIGI   248
NTDB id 215 SPD RS10945 WP 000681597.1       TTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTAINPGNSGGPLINIQGQVIGI   248
NTDB id 181 SPR RS10425 WP 000681597.1       TTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTAINPGNSGGPLINIQGQVIGI   248
NTDB id 145 SP RS11450 WP 000681597.1        TTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTAINPGNSGGPLINIQGQVIGI   248
NTDB id 85781 STYK RS10225 WP 060627321.1    TTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTAINPGNSGGPLINIQGQVIGI   248
NTDB id 539 SM12261 RS09395 WP 000681587.1   TTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTAINPGNSGGPLINIQGQVIGI   248
consensus                                    **!!!!**!*!**!!!*!!!!!!!!!!*!!!*!!*!!!!!!*!*!****!*!**!*!*!!!!!*!!!!!!!!!!*!*!!*!!!!!!

logo
NTDB id 381 SMU RS09890 WP 002262650.1       NSSKIASSNNSNSGVAVEGMGFAIPSNDVVSIINQLEENGEVVRPALGISMANLSEASTSGRDTLKIPSDVTSGIVVLSTQSGMP   338
NTDB id 425 SGO RS10525 WP 012131081.1       TSSKIANTNN..GSTSVEGMGFAIPSNDVVNIIEQLEKNGKVIRPALGIQMVNLSSLSSSSSDRLKLPDNVKNGVVVRSTQTGMP   332
NTDB id 256 KZH43 RS10270 WP 000681597.1     TSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTSDIRRLNIPSNVTSGVIVRSVQSNMP   329
NTDB id 215 SPD RS10945 WP 000681597.1       TSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTSDIRRLNIPSNVTSGVIVRSVQSNMP   329
NTDB id 181 SPR RS10425 WP 000681597.1       TSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTSDIRRLNIPSNVTSGVIVRSVQSNMP   329
NTDB id 145 SP RS11450 WP 000681597.1        TSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTSDIRRLNIPSNVTSGVIVRSVQSNMP   329
NTDB id 85781 STYK RS10225 WP 060627321.1    TSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNINTSDIRRLNIPSNVTSGVVVRSVQSNMP   329
NTDB id 539 SM12261 RS09395 WP 000681587.1   TSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNINTSDIRRLNIPSNVTSGVVVRSVQSNMP   329
consensus                                    *!!!!!*  !  ****!!!*!!!!!*!!***!!*!!!*!!*!*!!!!!!*!*!!!****!****!**!**!**!*!*!*!**!!
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logo
                                                  ANGHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLNKSSGDLES
                                                  DKRIEIGTKVSASTVILKIKKNEKYIFDKDRQVEQLDTTBÑHE
NTDB id 381 SMU RS09890 WP 002262650.1            ADGKLKKYDVITEIDGKKVASISDLQSILYKHKKGDKIKLTFYREKDKQTVEIQLTKTSQDLNH.   402
NTDB id 425 SGO RS10525 WP 012131081.1            ADGKLEKYDVITKIDDTEISSASDIQSALYKHSINEEIKVTYYRDGKEQTTTIKLTKSTDDLSSE   397
NTDB id 256 KZH43 RS10270 WP 000681597.1          ANGHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLNKSSGDLES.   393
NTDB id 215 SPD RS10945 WP 000681597.1            ANGHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLNKSSGDLES.   393
NTDB id 181 SPR RS10425 WP 000681597.1            ANGHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLNKSSGDLES.   393
NTDB id 145 SP RS11450 WP 000681597.1             ANGHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLNKSSGDLES.   393
NTDB id 85781 STYK RS10225 WP 060627321.1         ANGHLEKYDVITKIDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLDKSSGDLES.   393
NTDB id 539 SM12261 RS09395 WP 000681587.1        ANGHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLDKSSGDLES.   393
consensus                                         !*!*!*!!!!!!*!*!*****!**!*!!*!!*!*****!!*!*!!*****!**!*!  !***!!**
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X non conserved

X similar

X $\geq$ 50% conserved