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logo
NTDB id 246601 CMV25 RS05805 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 246601 CMV25 RS05805 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 246601 CMV25 RS05805 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 246601 CMV25 RS05805 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 246601 CMV25 RS05805 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 246601 CMV25 RS05805 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