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logo
NTDB id 1125770 EQB67 RS01230 WP 002324312.1  MERKDVTPKMKKNNGIWRKLGLGLVGGIIGGLVTAGIFYAVMGSGNAASNSGGHQNSAGETVVENVKVNVDSDITNAVDK   80
NTDB id 381 SMU RS09890 WP 002262650.1        .....MNNTKSHPFLKWFIPFLVIFLTFILGVISTLTFNWITGNKS.F.....SNNGK..TTVSNVIYDTKSNTTKAVKN   67
NTDB id 425 SGO RS10525 WP 012131081.1        ......MKNSSNFFKKTLQVFIVLLVGFIGGVAGTWGFSYFSTPHS.A.....TNNNQKTATTVTTSYKNSNSTTEAVDK   68
NTDB id 256 KZH43 RS10270 WP 000681597.1      ......MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSS.V.....N.NSNNNSTITQTAYKNENSTTQAVNK   67
NTDB id 215 SPD RS10945 WP 000681597.1        ......MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSS.V.....N.NSNNNSTITQTAYKNENSTTQAVNK   67
NTDB id 181 SPR RS10425 WP 000681597.1        ......MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSS.V.....N.NSNNNSTITQTAYKNENSTTQAVNK   67
NTDB id 145 SP RS11450 WP 000681597.1         ......MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSS.V.....N.NSNNNSTITQTAYKNENSTTQAVNK   67
NTDB id 539 SM12261 RS09395 WP 000681587.1    ......MKHLKTFYKKGFQLLVVIVISFFSGALGSFSINQLTQKST.E.....S.TSNNNSTITQTAYKNENSTTQAVNK   67
consensus                                       **********************!***************        ******************!*!!**

logo
NTDB id 1125770 EQB67 RS01230 WP 002324312.1  VQDAVVSVINLQSQNQGTNGFGQLFGQQQESSDDSNLEASSEGSGVIYKKSGNSAYIVTNNHVVEGQQGLEVLLKDGTKV  160
NTDB id 381 SMU RS09890 WP 002262650.1        VKNTVVSVINYQKTDNSYYNYD..SGSQEKNKSEDGLGVYGEGSGVIYKKDGDSAYLVTNNHVVKDAEKLEIMMANGKKV  145
NTDB id 425 SGO RS10525 WP 012131081.1        VKDAVVSVITYSESNSDAIF.......DNNNSGNENDQVASEGSGVIYRKDKDYAYLVTNTHVINGAKKVDIRLADGNKV  141
NTDB id 256 KZH43 RS10270 WP 000681597.1      VKDAVVSVITYSANRQNSVF.......GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKV  140
NTDB id 215 SPD RS10945 WP 000681597.1        VKDAVVSVITYSANRQNSVF.......GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKV  140
NTDB id 181 SPR RS10425 WP 000681597.1        VKDAVVSVITYSANRQNSVF.......GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKV  140
NTDB id 145 SP RS11450 WP 000681597.1         VKDAVVSVITYSANRQNSVF.......GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKV  140
NTDB id 539 SM12261 RS09395 WP 000681587.1    VKDAVVSVITYSANRQNSVF.......GNDDTDTDSQQISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKV  140
consensus                                     !***!!!!!**********        *********  ***!!!!!!!*!****!!*!!!*!!**************!*!!

logo
NTDB id 1125770 EQB67 RS01230 WP 002324312.1  KAELVGTDAYSDLAVLKISADKVNKVASFGDSNSLKVGEPAIAIGSPLGSEYANSVTSGIISSLNRQVISTNESNQTVNI  240
NTDB id 381 SMU RS09890 WP 002262650.1        VGKLVGSDTYSDLAVIKISSKYVTTVAEFANSDKIKVGEPAIAIGSPLGSDYANSVTEGIVSSLSRTVTSQNENGETIST  225
NTDB id 425 SGO RS10525 WP 012131081.1        PGEIVGTDTYSDISVVRIPADKVKNVAEFGDSSKLTVGETAIAIGSPLGSDYANTVTQGIVSSLSRNVSSRSEDGQTIAT  221
NTDB id 256 KZH43 RS10270 WP 000681597.1      PGEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAIST  220
NTDB id 215 SPD RS10945 WP 000681597.1        PGEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAIST  220
NTDB id 181 SPR RS10425 WP 000681597.1        PGEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAIST  220
NTDB id 145 SP RS11450 WP 000681597.1         PGEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAIST  220
NTDB id 539 SM12261 RS09395 WP 000681587.1    PGEIVGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAIST  220
consensus                                     ****!!*!**!!**!**!****!**!!*!**!***!!!*!!!!!!!!!!*!!!*!!*!!*!!!*!*!****!*******

logo
NTDB id 1125770 EQB67 RS01230 WP 002324312.1  NAIQTDAAINPGNSGGPLVNIEGQVIGINSSKIASTSASSSGVSVEGMGFAIPSNDVVNIINQLEKDGKVTRPALGITMV  320
NTDB id 381 SMU RS09890 WP 002262650.1        NAIQTDAAINPGNSGGALINIKGQVIGINSSKIASSNNSNSGVAVEGMGFAIPSNDVVSIINQLEENGEVVRPALGISMA  305
NTDB id 425 SGO RS10525 WP 012131081.1        QAIQTDAAINPGNSGGPLVNIQGQVIGITSSKIANTNN..GSTSVEGMGFAIPSNDVVNIIEQLEKNGKVIRPALGIQMV  299
NTDB id 256 KZH43 RS10270 WP 000681597.1      KAIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMV  296
NTDB id 215 SPD RS10945 WP 000681597.1        KAIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMV  296
NTDB id 181 SPR RS10425 WP 000681597.1        KAIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMV  296
NTDB id 145 SP RS11450 WP 000681597.1         KAIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMV  296
NTDB id 539 SM12261 RS09395 WP 000681587.1    KAIQTDTAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMV  296
consensus                                     *!!!!!*!!!!!!!!!*!*!!*!!!!!!*!!!!!*  *  ****!!!*!!!!!*!!***!!*!!!**!*!*!!!!!!*!*
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logo
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NTDB id 1125770 EQB67 RS01230 WP 002324312.1   DLSAVSTQQQEQILKIPESVTNGVIVTSVQPATPAEKAGLKQYDVITKIDDTDVSSGVELQSVLYQKKVGDSVKVTYYRG   400
NTDB id 381 SMU RS09890 WP 002262650.1         NLSEASTSGR.DTLKIPSDVTSGIVVLSTQSGMPAD.GKLKKYDVITEIDGKKVASISDLQSILYKHKKGDKIKLTFYRE   383
NTDB id 425 SGO RS10525 WP 012131081.1         NLSSLSSSSS.DRLKLPDNVKNGVVVRSTQTGMPAD.GKLEKYDVITKIDDTEISSASDIQSALYKHSINEEIKVTYYRD   377
NTDB id 256 KZH43 RS10270 WP 000681597.1       NLSNVSTSDI.RRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRN   374
NTDB id 215 SPD RS10945 WP 000681597.1         NLSNVSTSDI.RRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRN   374
NTDB id 181 SPR RS10425 WP 000681597.1         NLSNVSTSDI.RRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRN   374
NTDB id 145 SP RS11450 WP 000681597.1          NLSNVSTSDI.RRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRN   374
NTDB id 539 SM12261 RS09395 WP 000681587.1     NLSNINTSDI.RRLNIPSNVTSGVVVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRN   374
consensus                                      *!!******* **!**!**!**!**!*!*!***!!* **!**!!!!!*!*****!****!!*!!********!*!*!!*
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logo
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NTDB id 1125770 EQB67 RS01230 WP 002324312.1   KEKKTTTIQLTIDQSALKQSQSENSGN   427
NTDB id 381 SMU RS09890 WP 002262650.1         KDKQTVEIQLTKTSQDLNH........   402
NTDB id 425 SGO RS10525 WP 012131081.1         GKEQTTTIKLTKSTDDLSSE.......   397
NTDB id 256 KZH43 RS10270 WP 000681597.1       GKEETTSIKLNKSSGDLES........   393
NTDB id 215 SPD RS10945 WP 000681597.1         GKEETTSIKLNKSSGDLES........   393
NTDB id 181 SPR RS10425 WP 000681597.1         GKEETTSIKLNKSSGDLES........   393
NTDB id 145 SP RS11450 WP 000681597.1          GKEETTSIKLNKSSGDLES........   393
NTDB id 539 SM12261 RS09395 WP 000681587.1     GKEETTSIKLDKSSGDLES........   393
consensus                                      ****!**!*! *****!**
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X non conserved

X similar

X $\geq$ 50% conserved