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logo
NTDB id 148891 UB18 RS12145 WP 061573537.1  MDRKNVTPKMKKNKNN..SLWRKLGLGLVGGIVGGLLTAGIFYAAMGTGNNSSTTSGNQNSAGETVVENVKVNVDSDITKAVDKV   83
NTDB id 381 SMU RS09890 WP 002262650.1      .........MNNTKSHPFLKWFIPFLVIFLTFILGVISTLTFN..WITGNKSF....SNNGK..TTVSNVIYDTKSNTTKAVKNV   68
NTDB id 425 SGO RS10525 WP 012131081.1      ..........MKNSSNFFKKTLQVFIVLLVGFIGGVAGTWGFS..YFSTPHSA....TNNNQKTATTVTTSYKNSNSTTEAVDKV   69
NTDB id 539 SM12261 RS09395 WP 000681587.1  ..........MKHLKTFYKKGFQLLVVIVISFFSGALGSFSIN..QLTQKSTE....ST.SNNNSTITQTAYKNENSTTQAVNKV   68
NTDB id 256 KZH43 RS10270 WP 000681597.1    ..........MKHLKTFYKKWFQLLVVIVISFFSGALGSFSIT..QLTQKSSV....NN.SNNNSTITQTAYKNENSTTQAVNKV   68
NTDB id 215 SPD RS10945 WP 000681597.1      ..........MKHLKTFYKKWFQLLVVIVISFFSGALGSFSIT..QLTQKSSV....NN.SNNNSTITQTAYKNENSTTQAVNKV   68
NTDB id 181 SPR RS10425 WP 000681597.1      ..........MKHLKTFYKKWFQLLVVIVISFFSGALGSFSIT..QLTQKSSV....NN.SNNNSTITQTAYKNENSTTQAVNKV   68
NTDB id 145 SP RS11450 WP 000681597.1       ..........MKHLKTFYKKWFQLLVVIVISFFSGALGSFSIT..QLTQKSSV....NN.SNNNSTITQTAYKNENSTTQAVNKV   68
consensus                                    **********************!********  *******     **  ****************!*!!**!

logo
NTDB id 148891 UB18 RS12145 WP 061573537.1  QDAVVSVINLQSQNQSSGFGGLFGQQEESSSSDDSNLEAYSEGSGVIYKKDGNTAYVVTNNHVVDGQQGLEVLMKDGTKVKAELV  168
NTDB id 381 SMU RS09890 WP 002262650.1      KNTVVSVINYQKTDNSYYNYDS...GSQEKNKSEDGLGVYGEGSGVIYKKDGDSAYLVTNNHVVKDAEKLEIMMANGKKVVGKLV  150
NTDB id 425 SGO RS10525 WP 012131081.1      KDAVVSVITYSESNSDAIF........DNNNSGNENDQVASEGSGVIYRKDKDYAYLVTNTHVINGAKKVDIRLADGNKVPGEIV  146
NTDB id 539 SM12261 RS09395 WP 000681587.1  KDAVVSVITYSANRQNSVF........GNDDTDTDSQQISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIV  145
NTDB id 256 KZH43 RS10270 WP 000681597.1    KDAVVSVITYSANRQNSVF........GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIV  145
NTDB id 215 SPD RS10945 WP 000681597.1      KDAVVSVITYSANRQNSVF........GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIV  145
NTDB id 181 SPR RS10425 WP 000681597.1      KDAVVSVITYSANRQNSVF........GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIV  145
NTDB id 145 SP RS11450 WP 000681597.1       KDAVVSVITYSANRQNSVF........GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIV  145
consensus                                   ***!!!!!***********        *********** ***!!!!!!!*!****!!*!!!*!!**************!*!!****!

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NTDB id 148891 UB18 RS12145 WP 061573537.1  GTDAYSDLAVLKINSDKVETVASFGDSSALKVGEPAIAIGSPLGTEYANSVTSGIISSLNRQVTSTNESNETVNINAIQTDAAIN  253
NTDB id 381 SMU RS09890 WP 002262650.1      GSDTYSDLAVIKISSKYVTTVAEFANSDKIKVGEPAIAIGSPLGSDYANSVTEGIVSSLSRTVTSQNENGETISTNAIQTDAAIN  235
NTDB id 425 SGO RS10525 WP 012131081.1      GTDTYSDISVVRIPADKVKNVAEFGDSSKLTVGETAIAIGSPLGSDYANTVTQGIVSSLSRNVSSRSEDGQTIATQAIQTDAAIN  231
NTDB id 539 SM12261 RS09395 WP 000681587.1  GADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTAIN  230
NTDB id 256 KZH43 RS10270 WP 000681597.1    GADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTAIN  230
NTDB id 215 SPD RS10945 WP 000681597.1      GADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTAIN  230
NTDB id 181 SPR RS10425 WP 000681597.1      GADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTAIN  230
NTDB id 145 SP RS11450 WP 000681597.1       GADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTAIN  230
consensus                                   !*!**!!**!**!****!**!!*!**!****!!!*!!!!!!!!!**!!!*!!*!!*!!!!*!*!****!*******!!!!!*!!!

logo
NTDB id 148891 UB18 RS12145 WP 061573537.1  PGNSGGPLVNIEGQVIGINSSKIASTSESTSNVSVEGMGFAIPSNDVVNIINQLEKDGKVTRPALGITMVDLSAVSTQQQEQILK  338
NTDB id 381 SMU RS09890 WP 002262650.1      PGNSGGALINIKGQVIGINSSKIASSNNSNSGVAVEGMGFAIPSNDVVSIINQLEENGEVVRPALGISMANLSEASTSGR.DTLK  319
NTDB id 425 SGO RS10525 WP 012131081.1      PGNSGGPLVNIQGQVIGITSSKIANTNN..GSTSVEGMGFAIPSNDVVNIIEQLEKNGKVIRPALGIQMVNLSSLSSSSS.DRLK  313
NTDB id 539 SM12261 RS09395 WP 000681587.1  PGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNINTSDI.RRLN  310
NTDB id 256 KZH43 RS10270 WP 000681597.1    PGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTSDI.RRLN  310
NTDB id 215 SPD RS10945 WP 000681597.1      PGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTSDI.RRLN  310
NTDB id 181 SPR RS10425 WP 000681597.1      PGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTSDI.RRLN  310
NTDB id 145 SP RS11450 WP 000681597.1       PGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTSDI.RRLN  310
consensus                                   !!!!!!*!*!!*!!!!!!*!!!!!*  *  ****!!!*!!!!!*!!***!!*!!!**!*!*!!!!!!*!**!!*******  **!*
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logo

NTDB id 148891 UB18 RS12145 WP 061573537.1  IPSSVTNGVIVTNVQTATPAEKAGLKQYDVITKIDDKEVSSGVELQSALYKKKVGDSVKITYYEGSKEKTTTVELTIDQSALKQN   423
NTDB id 381 SMU RS09890 WP 002262650.1      IPSDVTSGIVVLSTQSGMPAD.GKLKKYDVITEIDGKKVASISDLQSILYKHKKGDKIKLTFYREKDKQTVEIQLTKTSQDLNH.   402
NTDB id 425 SGO RS10525 WP 012131081.1      LPDNVKNGVVVRSTQTGMPAD.GKLEKYDVITKIDDTEISSASDIQSALYKHSINEEIKVTYYRDGKEQTTTIKLTKSTDDLSSE   397
NTDB id 539 SM12261 RS09395 WP 000681587.1  IPSNVTSGVVVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLDKSSGDLES.   393
NTDB id 256 KZH43 RS10270 WP 000681597.1    IPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLNKSSGDLES.   393
NTDB id 215 SPD RS10945 WP 000681597.1      IPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLNKSSGDLES.   393
NTDB id 181 SPR RS10425 WP 000681597.1      IPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLNKSSGDLES.   393
NTDB id 145 SP RS11450 WP 000681597.1       IPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLNKSSGDLES.   393
consensus                                   *!**!**!**!***!***!!* **!**!!!!!**!*****!****!!*!!********!*!*!******!****!  *****!**

logo

                                            QNSEN
NTDB id 148891 UB18 RS12145 WP 061573537.1  QNSEN   428
NTDB id 381 SMU RS09890 WP 002262650.1      .....   402
NTDB id 425 SGO RS10525 WP 012131081.1      .....   397
NTDB id 539 SM12261 RS09395 WP 000681587.1  .....   393
NTDB id 256 KZH43 RS10270 WP 000681597.1    .....   393
NTDB id 215 SPD RS10945 WP 000681597.1      .....   393
NTDB id 181 SPR RS10425 WP 000681597.1      .....   393
NTDB id 145 SP RS11450 WP 000681597.1       .....   393
consensus
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X non conserved
X similar
X ≥ 50% conserved