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logo
NTDB id 144185 XM37 RS01245 WP 002290101.1  MDRKNVTPKMKKNKNN..SLWRKLGLGLVGGIVGGLLTAGIFYAAMGTGNNSSTATSGNQNSAGETVVENVKVNVDSDITKAVDK   83
NTDB id 381 SMU RS09890 WP 002262650.1      .........MNNTKSHPFLKWFIPFLVIFLTFILGVISTLTFNWI..TGNK.....SFSNNGK..TTVSNVIYDTKSNTTKAVKN   67
NTDB id 425 SGO RS10525 WP 012131081.1      ..........MKNSSNFFKKTLQVFIVLLVGFIGGVAGTWGFSYF..STPH.....SATNNNQKTATTVTTSYKNSNSTTEAVDK   68
NTDB id 539 SM12261 RS09395 WP 000681587.1  ..........MKHLKTFYKKGFQLLVVIVISFFSGALGSFSINQL..TQKS.....IEST.SNNNSTITQTAYKNENSTTQAVNK   67
NTDB id 256 KZH43 RS10270 WP 000681597.1    ..........MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQL..TQKS.....SVNN.SNNNSTITQTAYKNENSTTQAVNK   67
NTDB id 215 SPD RS10945 WP 000681597.1      ..........MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQL..TQKS.....SVNN.SNNNSTITQTAYKNENSTTQAVNK   67
NTDB id 181 SPR RS10425 WP 000681597.1      ..........MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQL..TQKS.....SVNN.SNNNSTITQTAYKNENSTTQAVNK   67
NTDB id 145 SP RS11450 WP 000681597.1       ..........MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQL..TQKS.....SVNN.SNNNSTITQTAYKNENSTTQAVNK   67
consensus                                    **********************!**********  ****     *  **  ******************!*!!**

logo
NTDB id 144185 XM37 RS01245 WP 002290101.1  VQDAVVSVINLQSQNQSSGFGGLFGQQEESSSSDDSNLEAYSEGSGVIYKKDGNTAYVVTNNHVVDGQQGLEVMMKDGTKVKAEL  168
NTDB id 381 SMU RS09890 WP 002262650.1      VKNTVVSVINYQKTDNSYYNYDS...GSQEKNKSEDGLGVYGEGSGVIYKKDGDSAYLVTNNHVVKDAEKLEIMMANGKKVVGKL  149
NTDB id 425 SGO RS10525 WP 012131081.1      VKDAVVSVITYSESNSDAIF........DNNNSGNENDQVASEGSGVIYRKDKDYAYLVTNTHVINGAKKVDIRLADGNKVPGEI  145
NTDB id 539 SM12261 RS09395 WP 000681587.1  VKDAVVSVITYSANRQNSVF........GNDDTDTDSQQISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEI  144
NTDB id 256 KZH43 RS10270 WP 000681597.1    VKDAVVSVITYSANRQNSVF........GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEI  144
NTDB id 215 SPD RS10945 WP 000681597.1      VKDAVVSVITYSANRQNSVF........GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEI  144
NTDB id 181 SPR RS10425 WP 000681597.1      VKDAVVSVITYSANRQNSVF........GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEI  144
NTDB id 145 SP RS11450 WP 000681597.1       VKDAVVSVITYSANRQNSVF........GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEI  144
consensus                                   !***!!!!!**********        *********  ***!!!!!!!!*!****!!*!!!*!!*************!*!!****

logo
NTDB id 144185 XM37 RS01245 WP 002290101.1  VGTDAYSDLAVLKINSDKVETVASFGDSSALKVGEPAIAIGSPLGSEYANSVTSGIISSLNRQVTSTNESNETVNINAIQTDAAI  253
NTDB id 381 SMU RS09890 WP 002262650.1      VGSDTYSDLAVIKISSKYVTTVAEFANSDKIKVGEPAIAIGSPLGSDYANSVTEGIVSSLSRTVTSQNENGETISTNAIQTDAAI  234
NTDB id 425 SGO RS10525 WP 012131081.1      VGTDTYSDISVVRIPADKVKNVAEFGDSSKLTVGETAIAIGSPLGSDYANTVTQGIVSSLSRNVSSRSEDGQTIATQAIQTDAAI  230
NTDB id 539 SM12261 RS09395 WP 000681587.1  VGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTAI  229
NTDB id 256 KZH43 RS10270 WP 000681597.1    VGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTAI  229
NTDB id 215 SPD RS10945 WP 000681597.1      VGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTAI  229
NTDB id 181 SPR RS10425 WP 000681597.1      VGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTAI  229
NTDB id 145 SP RS11450 WP 000681597.1       VGADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTDTAI  229
consensus                                   !!*!**!!**!**!****!**!!*!**!****!!!*!!!!!!!!!!!*!!!*!!*!!*!!!!*!*!****!*******!!!!!*!!

logo
NTDB id 144185 XM37 RS01245 WP 002290101.1  NPGNSGGPLVNIEGQVIGINSSKIASTSESTSNVSVEGMGFAIPSNDVVNIINQLEKDGKVTRPALGITMVDLSAVSTQQQEQIL  338
NTDB id 381 SMU RS09890 WP 002262650.1      NPGNSGGALINIKGQVIGINSSKIASSNNSNSGVAVEGMGFAIPSNDVVSIINQLEENGEVVRPALGISMANLSEASTSGR.DTL  318
NTDB id 425 SGO RS10525 WP 012131081.1      NPGNSGGPLVNIQGQVIGITSSKIANTNN..GSTSVEGMGFAIPSNDVVNIIEQLEKNGKVIRPALGIQMVNLSSLSSSSS.DRL  312
NTDB id 539 SM12261 RS09395 WP 000681587.1  NPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNINTSDI.RRL  309
NTDB id 256 KZH43 RS10270 WP 000681597.1    NPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTSDI.RRL  309
NTDB id 215 SPD RS10945 WP 000681597.1      NPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTSDI.RRL  309
NTDB id 181 SPR RS10425 WP 000681597.1      NPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTSDI.RRL  309
NTDB id 145 SP RS11450 WP 000681597.1       NPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVSTSDI.RRL  309
consensus                                   !!!!!!!*!*!!*!!!!!!*!!!!!*  *  ****!!!*!!!!!*!!***!!*!!!**!*!*!!!!!!*!**!!*******  **!
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logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 144185 XM37 RS01245 WP 002290101.1  KIPSSVTNGVIVTNVQTATPAEKAGLKQYDVITKIDDKEVSSGVELQSALYKKKVGDSVKITYYEGSKEKTTTVELTIDQSALKQ   423
NTDB id 381 SMU RS09890 WP 002262650.1      KIPSDVTSGIVVLSTQSGMPAD.GKLKKYDVITEIDGKKVASISDLQSILYKHKKGDKIKLTFYREKDKQTVEIQLTKTSQDLNH   402
NTDB id 425 SGO RS10525 WP 012131081.1      KLPDNVKNGVVVRSTQTGMPAD.GKLEKYDVITKIDDTEISSASDIQSALYKHSINEEIKVTYYRDGKEQTTTIKLTKSTDDLSS   396
NTDB id 539 SM12261 RS09395 WP 000681587.1  NIPSNVTSGVVVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLDKSSGDLES   393
NTDB id 256 KZH43 RS10270 WP 000681597.1    NIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLNKSSGDLES   393
NTDB id 215 SPD RS10945 WP 000681597.1      NIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLNKSSGDLES   393
NTDB id 181 SPR RS10425 WP 000681597.1      NIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLNKSSGDLES   393
NTDB id 145 SP RS11450 WP 000681597.1       NIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTSIKLNKSSGDLES   393
consensus                                   **!**!**!**!***!***!!* **!**!!!!!**!*****!****!!*!!********!*!*!******!****! *****!**

logo
                                            NQNSEN
NTDB id 144185 XM37 RS01245 WP 002290101.1  NQNSEN   429
NTDB id 381 SMU RS09890 WP 002262650.1      ......   402
NTDB id 425 SGO RS10525 WP 012131081.1      E.....   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