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logo

NTDB id 1007281 ABLU27 RS02935 WP 012898631.1  ........MAK.ANIGKLLLTGVVGGAIALGGSAIYQSTTNQSANNSRSNTTSTKVSNVSVNVNTDVTSAIKKVSNSVVS   71
NTDB id 381 SMU RS09890 WP 002262650.1         MNNTKSHPFLKWFIPFLVIFLTFILGVISTLT..FNWITGNKSFSNNGK....TTVSNVIYDTKSNTTKAVKNVKNTVVS   74
NTDB id 425 SGO RS10525 WP 012131081.1         .MKNSSNFFKKTLQVFIVLLVGFIGGVAGTWG..FSYFSTPHSATNNNQ..KTATTVTTSYKNSNSTTEAVDKVKDAVVS   75
NTDB id 539 SM12261 RS09395 WP 000681587.1     .MKHLKTFYKKGFQLLVVIVISFFSGALGSFS..INQLTQKSTEST.SN..NNSTITQTAYKNENSTTQAVNKVKDAVVS   74
NTDB id 256 KZH43 RS10270 WP 000681597.1       .MKHLKTFYKKWFQLLVVIVISFFSGALGSFS..ITQLTQKSSVNN.SN..NNSTITQTAYKNENSTTQAVNKVKDAVVS   74
NTDB id 215 SPD RS10945 WP 000681597.1         .MKHLKTFYKKWFQLLVVIVISFFSGALGSFS..ITQLTQKSSVNN.SN..NNSTITQTAYKNENSTTQAVNKVKDAVVS   74
NTDB id 181 SPR RS10425 WP 000681597.1         .MKHLKTFYKKWFQLLVVIVISFFSGALGSFS..ITQLTQKSSVNN.SN..NNSTITQTAYKNENSTTQAVNKVKDAVVS   74
NTDB id 145 SP RS11450 WP 000681597.1          .MKHLKTFYKKWFQLLVVIVISFFSGALGSFS..ITQLTQKSSVNN.SN..NNSTITQTAYKNENSTTQAVNKVKDAVVS   74
consensus                                       *********!**************!******  ********* **  **  ****************!*!***!***!!!

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NTDB id 1007281 ABLU27 RS02935 WP 012898631.1  VMNYQKDNSQSSDFSSIFGGNSGSSSSTDGLQLSSEGSGVIYKKSGGDAYVVTNYHVIAGNSSLDVLLSGGQKVKASVVG   151
NTDB id 381 SMU RS09890 WP 002262650.1         VINYQKTDNSYYNYDS...GSQEKNKSEDGLGVYGEGSGVIYKKDGDSAYLVTNNHVVKDAEKLEIMMANGKKVVGKLVG   151
NTDB id 425 SGO RS10525 WP 012131081.1         VITYSESNSDAIF........DNNNSGNENDQVASEGSGVIYRKDKDYAYLVTNTHVINGAKKVDIRLADGNKVPGEIVG   147
NTDB id 539 SM12261 RS09395 WP 000681587.1     VITYSANRQNSVF........GNDDTDTDSQQISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVG   146
NTDB id 256 KZH43 RS10270 WP 000681597.1       VITYSANRQNSVF........GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVG   146
NTDB id 215 SPD RS10945 WP 000681597.1         VITYSANRQNSVF........GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVG   146
NTDB id 181 SPR RS10425 WP 000681597.1         VITYSANRQNSVF........GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVG   146
NTDB id 145 SP RS11450 WP 000681597.1          VITYSANRQNSVF........GNDDTDTDSQRISSEGSGVIYKKNDKEAYIVTNNHVINGASKVDIRLSDGTKVPGEIVG   146
consensus                                      !**!********         *********** ***!!!!!!!!*!****!!*!!!*!!*************!*!!****!!

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NTDB id 1007281 ABLU27 RS02935 WP 012898631.1  YDEYTDLAVLKISSEHVKDVATFADSSKLTIGEPAIAVGSPLGSQFANTATEGILSATSRQVTLTQENGQTTNINAIQTD   231
NTDB id 381 SMU RS09890 WP 002262650.1         SDTYSDLAVIKISSKYVTTVAEFANSDKIKVGEPAIAIGSPLGSDYANSVTEGIVSSLSRTVTSQNENGETISTNAIQTD   231
NTDB id 425 SGO RS10525 WP 012131081.1         TDTYSDISVVRIPADKVKNVAEFGDSSKLTVGETAIAIGSPLGSDYANTVTQGIVSSLSRNVSSRSEDGQTIATQAIQTD   227
NTDB id 539 SM12261 RS09395 WP 000681587.1     ADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTD   226
NTDB id 256 KZH43 RS10270 WP 000681597.1       ADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTD   226
NTDB id 215 SPD RS10945 WP 000681597.1         ADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTD   226
NTDB id 181 SPR RS10425 WP 000681597.1         ADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTD   226
NTDB id 145 SP RS11450 WP 000681597.1          ADTFSDIAVVKISSEKVTTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGIVSSLNRNVSLKSEDGQAISTKAIQTD   226
consensus                                      *!***!**!**!****!**!!*!**!*!***!!*!!!!*!!!!!!**!!**!*!!*!***!*!****!*!******!!!!!

logo

NTDB id 1007281 ABLU27 RS02935 WP 012898631.1  AAINPGNSGGALINIEGQVIGITQSKITTTED..GSTSVEGLGFAIPSNDVVNIINKLEADGKISRPALGIRMVDLSQLS   309
NTDB id 381 SMU RS09890 WP 002262650.1         AAINPGNSGGALINIKGQVIGINSSKIASSNNSNSGVAVEGMGFAIPSNDVVSIINQLEENGEVVRPALGISMANLSEAS   311
NTDB id 425 SGO RS10525 WP 012131081.1         AAINPGNSGGPLVNIQGQVIGITSSKIANTNN..GSTSVEGMGFAIPSNDVVNIIEQLEKNGKVIRPALGIQMVNLSSLS   305
NTDB id 539 SM12261 RS09395 WP 000681587.1     TAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNIN   302
NTDB id 256 KZH43 RS10270 WP 000681597.1       TAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVS   302
NTDB id 215 SPD RS10945 WP 000681597.1         TAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVS   302
NTDB id 181 SPR RS10425 WP 000681597.1         TAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVS   302
NTDB id 145 SP RS11450 WP 000681597.1          TAINPGNSGGPLINIQGQVIGITSSKIAT..N..GGTSVEGLGFAIPANDAINIIEQLEKNGKVTRPALGIQMVNLSNVS   302
consensus                                      *!!!!!!!!!*!*!!*!!!!!!**!!!**  *  ****!!!*!!!!!*!!***!!**!!**!***!!!!!!*!**!!***
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logo

NTDB id 1007281 ABLU27 RS02935 WP 012898631.1  TNDSSQLKLPSSVTGGVVVYSVQSGLPAASAGLKAGDVITKVGDTAVTSSTDLQSALYSHNINDTVKVTYYRDGKSNTAD   389
NTDB id 381 SMU RS09890 WP 002262650.1         TSGRDTLKIPSDVTSGIVVLSTQSGMPAD.GKLKKYDVITEIDGKKVASISDLQSILYKHKKGDKIKLTFYREKDKQTVE   390
NTDB id 425 SGO RS10525 WP 012131081.1         SSSSDRLKLPDNVKNGVVVRSTQTGMPAD.GKLEKYDVITKIDDTEISSASDIQSALYKHSINEEIKVTYYRDGKEQTTT   384
NTDB id 539 SM12261 RS09395 WP 000681587.1     TSDIRRLNIPSNVTSGVVVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTS   381
NTDB id 256 KZH43 RS10270 WP 000681597.1       TSDIRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTS   381
NTDB id 215 SPD RS10945 WP 000681597.1         TSDIRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTS   381
NTDB id 181 SPR RS10425 WP 000681597.1         TSDIRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTS   381
NTDB id 145 SP RS11450 WP 000681597.1          TSDIRRLNIPSNVTSGVIVRSVQSNMPAN.GHLEKYDVITKVDDKEIASSTDLQSALYNHSIGDTIKITYYRNGKEETTS   381
consensus                                      ******!**!**!**!**!*!*!***!!* **!***!!!!********!**!*!!*!!*!******!*!*!!*****!**

logo

NTDB id 1007281 ABLU27 RS02935 WP 012898631.1  VKLSKSTSDLETSSSSSSN   408
NTDB id 381 SMU RS09890 WP 002262650.1         IQLTKTSQDLNH.......   402
NTDB id 425 SGO RS10525 WP 012131081.1         IKLTKSTDDLSSE......   397
NTDB id 539 SM12261 RS09395 WP 000681587.1     IKLDKSSGDLES.......   393
NTDB id 256 KZH43 RS10270 WP 000681597.1       IKLNKSSGDLES.......   393
NTDB id 215 SPD RS10945 WP 000681597.1         IKLNKSSGDLES.......   393
NTDB id 181 SPR RS10425 WP 000681597.1         IKLNKSSGDLES.......   393
NTDB id 145 SP RS11450 WP 000681597.1          IKLNKSSGDLES.......   393
consensus                                      **! !***!!**
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X non conserved

X similar

X $\geq$ 50% conserved