

logo

NTDB id 425 SGO RS10525 WP 012131081.1	..MKNSSNFFKKTLQVFIVLLVGFIGGVACTWGFSYFSTPHSATMNNKKTATTVTTSYKNSNSTTEAVDKVKDAVVSVIT	78
NTDB id 539 SM12261 RS09395 WP 000681587.1	..MKHLKTFYKKGFQLLVVIVISFFSGALGSFSINQLTQKSSTEST..SNNNSTITQTAYKKNENSTTQAVNKVKDAVVSVIT	77
NTDB id 256 KZH43 RS10270 WP 000681597.1	..MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSSVNM..SNNNSTITQTAYKKNENSTTQAVNKVKDAVVSVIT	77
NTDB id 215 SPD RS10945 WP 000681597.1	..MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSSVNM..SNNNSTITQTAYKKNENSTTQAVNKVKDAVVSVIT	77
NTDB id 181 SPR RS10425 WP 000681597.1	..MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSSVNM..SNNNSTITQTAYKKNENSTTQAVNKVKDAVVSVIT	77
NTDB id 145 SP RS11450 WP 000681597.1	..MKHLKTFYKKWFQLLVVIVISFFSGALGSFSITQLTQKSSVNM..SNNNSTITQTAYKKNENSTTQAVNKVKDAVVSVIT	77
NTDB id 1140784 DQN44 RS09815 WP 002991468.1	MPSMKHILKLSLILLVGFGLGLIAITIFNLYPHSPS.KINSGKATTSNMVFNNNTTNTTKAVKAVQNAVVSVIN	73
NTDB id 381 SMU RS09890 WP 002262650.1	MNNTKSPFLKWFIP.FLVIFLTFILGVISLILFNWLTG.NKS.FSNNGKTTVSNVIVDTKSNITKAVKNVKTIVVSVIN	77
consensus	*****!*!!!!*****!*!!!!*****!*****!*****!*****!*****!*****!*****!	

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NTDB id 425 SGO RS10525 WP 012131081.1	YSESNDAIF.....DN...NNSGNENDQVASEGSGVIYRKDKDYAYLVNTNTHVINGAKKVDIRLADGNKVPGEIVGT	148
NTDB id 539 SM12261 RS09395 WP 000681587.1	YSANRQNSVF.....GN...DDTDTDSQQISSEGSGVIYKKNDKEAYIVTNNHVIN GASKVDIRLSDGTKVPGEIVGA	147
NTDB id 256 KZH43 RS10270 WP 000681597.1	YSANRQNSVF.....GN...DDTDTDSQRI SSEGSGVIYKKNDKEAYIVTNNHVIN GASKVDIRLSDGTKVPGEIVGA	147
NTDB id 215 SPD RS10945 WP 000681597.1	YSANRQNSVF.....GN...DDTDTDSQRI SSEGSGVIYKKNDKEAYIVTNNHVIN GASKVDIRLSDGTKVPGEIVGA	147
NTDB id 181 SPR RS10425 WP 000681597.1	YSANRQNSVF.....GN...DDTDTDSQRI SSEGSGVIYKKNDKEAYIVTNNHVIN GASKVDIRLSDGTKVPGEIVGA	147
NTDB id 145 SP RS11450 WP 000681597.1	YSANRQNSVF.....GN...DDTDTDSQRI SSEGSGVIYKKNDKEAYIVTNNHVIN GASKVDIRLSDGTKVPGEIVGA	147
NTDB id 1140784 DQN44 RS09815 WP 002991468.1	YQDNFSSLSNPTYTKLFGEGRSKFNKDAELSIFSEGSGVIYRKDGNSAYVVTNNHVIDGAKRIEILMADGSKVVGELVGA	153
NTDB id 381 SMU RS09890 WP 002262650.1	YQKTDNSY.....YNYDSGSQEKNKSEDLGLVYEGSGVIYKKGDSAYIVTNNHVKDAEKLIMMANCKKVVGKLVGS	152
consensus	!******* *******!*!!!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*!!!!*	

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NTDB id 425 SGO RS10525 WP 012131081.1	DTFSDIAVVKISSEKVTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGVSSSLNRNVSLKSEDGQAISTKAIQTD	228
NTDB id 539 SM12261 RS09395 WP 000681587.1	DTFSDIAVVKISSEKVTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGVSSSLNRNVSLKSEDGQAISTKAIQTD	227
NTDB id 256 KZH43 RS10270 WP 000681597.1	DTFSDIAVVKISSEKVTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGVSSSLNRNVSLKSEDGQAISTKAIQTD	227
NTDB id 215 SPD RS10945 WP 000681597.1	DTFSDIAVVKISSEKVTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGVSSSLNRNVSLKSEDGQAISTKAIQTD	227
NTDB id 181 SPR RS10425 WP 000681597.1	DTFSDIAVVKISSEKVTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGVSSSLNRNVSLKSEDGQAISTKAIQTD	227
NTDB id 145 SP RS11450 WP 000681597.1	DTFSDIAVVKISSEKVTVAEFGDSSKLTVGETAIAIGSPLGSEYANTVTQGVSSSLNRNVSLKSEDGQAISTKAIQTD	227
NTDB id 1140784 DQN44 RS09815 WP 002991468.1	DTYSDIAVVKISSDKIKTVAEFA DSTKLNVGVAIAIGSPLCTGYANSVTQGVSSLSRTVTLKNENGETVSTNAIQTDA	233
NTDB id 381 SMU RS09890 WP 002262650.1	DTYSDIAVTKISSKYVTTVAEFANSDKIKVGEPAIAIGSPLGSDYANSVTEGIVSSLSRTVTSQNEGETISTNAIQTDA	232
consensus	!*****!*****!*****!*****!*****!*****!*****!*****!*****!*****!	

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NTDB id 425 SGO RS10525 WP 012131081.1	AINPGNSGGPLVNIQQQVIGITSSKIAN TNNG....S TSVEGMGFAIPSNDVVNIEQLEKNGKVTRPALGIQMVNLSL	304
NTDB id 539 SM12261 RS09395 WP 000681587.1	AINPGNSGGPLINIQQQVIGITSSKIAT..NG....GTSVEGLGFAIPANDAINIEQLEKNGKVTRPALGIQMVNLSNI	301
NTDB id 256 KZH43 RS10270 WP 000681597.1	AINPGNSGGPLINIQQQVIGITSSKIAT..NG....GTSVEGLGFAIPANDAINIEQLEKNGKVTRPALGIQMVNLSNV	301
NTDB id 215 SPD RS10945 WP 000681597.1	AINPGNSGGPLINIQQQVIGITSSKIAT..NG....GTSVEGLGFAIPANDAINIEQLEKNGKVTRPALGIQMVNLSNV	301
NTDB id 181 SPR RS10425 WP 000681597.1	AINPGNSGGPLINIQQQVIGITSSKIAT..NG....GTSVEGLGFAIPANDAINIEQLEKNGKVTRPALGIQMVNLSNV	301
NTDB id 145 SP RS11450 WP 000681597.1	AINPGNSGGPLINIQQQVIGITSSKIAT..NG....GTSVEGLGFAIPANDAINIEQLEKNGKVTRPALGIQMVNLSNV	301
NTDB id 1140784 DQN44 RS09815 WP 002991468.1	AINPGNSGGPLINIEGQVIGINSSKISS TPTGSNGNSGVAVECTGFAIPSTDVIKIKLETNCEVTRPALGISMVNLSNDL	313
NTDB id 381 SMU RS09890 WP 002262650.1	AINPGNSGGPLINIKGQVIGINSSKIASNSN..SGVAVECMGFAIPSNDVVSITINQLENGEVTRPALGISMANLSEA	310
consensus	!*****!*!!!!*****!*!!!!*****!*****!*****!*****!*****!*****!*****!	

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NTDB id 425 SGO RS10525 WP 012131081.1	SSSSSDRLKLPD	NTDB id 539 SM12261 RS09395 WP 000681587.1	NTSDIRRLNIPSNVTSGV	NTDB id 256 KZH43 RS10270 WP 000681597.1	STSDIRRLNIPSNVTSGV	NTDB id 215 SPD RS10945 WP 000681597.1	STSDIRRLNIPSNVTSGV	NTDB id 181 SPR RS10425 WP 000681597.1	STSDIRRLNIPSNVTSGV	NTDB id 145 SP RS11450 WP 000681597.1	STSDIRRLNIPSNVTSGV	NTDB id 1140784 DQN44 RS09815 WP 002991468.1	STNALSQINIP	NTDB id 381 SMU RS09890 WP 002262650.1	STSGRDTLKIP	consensus	*****!***!***!*****!!!!!!**!*!!!!!!**!*!!!!!!**!*!!!!!!**!*!!!!!!**!*!!!!!!
	SVVVRSTQTGMPADCKLEKYDVITKIDDTETSSASDIQSALYKHSINLEIKVTTYRDGKEQTT		VRSVQSNMPANGHLEKYDVITKVDDKEIASSTDLSALYNHNSIGDTIKITYYRNGKEETTS		VRSVQSNMPANGHLEKYDVITKVDDKEIASSTDLSALYNHNSIGDTIKITYYRNGKEETTS		VRSVQSNMPANGHLEKYDVITKVDDKEIASSTDLSALYNHNSIGDTIKITYYRNGKEETTS		VRSVQSNMPANGHLEKYDVITKVDDKEIASSTDLSALYNHNSIGDTIKITYYRNGKEETTS		VRSVQSNMPANGHLEKYDVITKVDDKEIASSTDLSALYNHNSIGDTIKITYYRNGKEETTS		SVTGGIVVAEVKEGMPASCKLAQYDVITEIDGKTVNSTSDLQSSLYGHDINDTIKVTBYRGTTKKKAD		STSGMPADCKLKKYDVITEIDGKKVASISDLQSLYKHKKGDKIKLTFYREKDKIVE		
	384		381		381		381		381		381		393		390		

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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	IKLTKSTDDLSSE.	393
NTDB id 215 SPD RS10945 WP 000681597.1	IKLTKSTDDLSSE.	393
NTDB id 181 SPR RS10425 WP 000681597.1	IKLTKSTDDLSSE.	393
NTDB id 145 SP RS11450 WP 000681597.1	IKLTKSTDDLSSE.	393
NTDB id 1140784 DQN44 RS09815 WP 002991468.1	IKLTKSTDDLSSE.	407
NTDB id 381 SMU RS09890 WP 002262650.1	IKLTKSTDDLSSE.	402
consensus	! * ! ! * * * ! ! * *	

- ☐ non conserved
- ☒ similar
- ☒ ≥ 50% conserved