

logo

NTDB id 413 AAK55817.1 141..845()	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIFVDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSAELAWT	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1419 SGL RS12550 WP 010873252.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIFVDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSAELAWT	85
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	VEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDNFKQKRAHTLDFRPLILLGQQLQQQSSLEPALEEELLQLSHTLMAETVTG	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1419 SGL RS12550 WP 010873252.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	VEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDNFKQKRAHTLDFRPLILLGQQLQQQSSLEPALEEELLQLSHTLMAETVTG	170
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	LELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLRGSSAMAQVETIFEAS	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1419 SGL RS12550 WP 010873252.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	LELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLRGSSAMAQVETIFEAS	255
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	TKVEHLFKILLQEELSSHSEEILLQYREFVDRDSLELLSRYSSSEQLEARLLQFNQSWDAYVEQHGDRTDPLMPSHGLVSQLLQ	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1419 SGL RS12550 WP 010873252.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	TKVEHLFKILLQEELSSHSEEILLQYREFVDRDSLELLSRYSSSEQLEARLLQFNQSWDAYVEQHGDRTDPLMPSHGLVSQLLQ	340
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	LDVSEL LL DAELDFEKGI R NEFPDYLERLSEQADLLLQHTHSQAM L GLHEYTSQLKESYEVLLDKPALLQSDYIFEIYQKAHQQLI	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1419 SGL RS12550 WP 010873252.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	LDVSEL LL DAELDFEKGI R NEFPDYLERLSEQADLLLQHTHSQAM L GLHEYTSQLKESYEVLLDKPALLQSDYIFEIYQKAHQQLI	425
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	QLFDALAA G Q R V G V K QHQSI L EELKLYTQYTPDISNDLPQQDSTSFEPINY N IE P EWVATVENFSDSADWAVL G QSVQQDRQY	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1419 SGL RS12550 WP 010873252.1	MTSDPN.....	6
NTDB id 1046 HON27 RS03130 WP 168726941.1	QLFDALAA G Q R V G V K QHQSI L EELKLYTQYTPDISNDLPQQDSTSFEPINYIEPEPEVVATVENFSDSADWAVL G QSVQQDRQY	510
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	ISSTQVNRNFDADLLDIFLEEA E ELLEGIDTDLNIWVGEQENFAALNNLMRYLHTLKGGANMVQATYLGLIAHELES I YERLIQK	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1419 SGL RS12550 WP 010873252.1	PAQAFENWFEEEEGDDAFTSLIAGE.....	31
NTDB id 1046 HON27 RS03130 WP 168726941.1	ISSTQVNRNFDADLLDIFLEEA E ELLEGIDTDLNIWVGEQENFAALNNLMRYLHTLKGGANMVQATYLGLIAHELES I YERLIQK	595
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	QLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRAEQ S NS N IQ L WV E FB A FB A FB E VL S Q E Y L SE I IDEIPVEL	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1419 SGL RS12550 WP 010873252.1	ETNSGIEELDFGDLFEQEPTVIQGEFGS.....	60
NTDB id 1046 HON27 RS03130 WP 168726941.1	QLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRAEQNSNFQPLPVVEAFDAESEVFSEQKVISEIIDEIPVEL	680
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	EPALAELETHHDQVFDTSYSELRTPVEMITTDYKSPENELRANEQDI EAVVEATFTERTETLTYREFELRSWFEPTBNREADPLA	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1419 SGL RS12550 WP 010873252.1	PSSGEEDPPVRMTLDFNSPEAELD.....ALFTDEDAPTTAIDPFESSSWLEIDQMMEADPLA	118
NTDB id 1046 HON27 RS03130 WP 168726941.1	EPALAELETHHDQVFDTA VTTELATPVEMITTVTSQENEVAANEQDIEAVVEQTFLEEATELLEMAESLLKQWFEQRTNR.....	759
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	SIPETNAPAYQTAGGLDDNDLAE LQDLLGVGDVEPATLSPAYHSFKGSRMYELINXKLTAYALENAFEQFAIHHHNSNLYRFL	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1419 SGL RS12550 WP 010873252.1	SIPETNAPAYQTAGGLDDNDLAE LQDLLGVGDVEPAITNPG LHSFAGADRVTPLTNEVLL.FA.....AIDDL DGLINAPVL	194
NTDB id 1046 HON27 RS03130 WP 168726941.1	S.....IL.....LQLQRAVHSLKGGARMVGLEAVQAIAYQLENAFEQFALHHFNSNIYDHL	812
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	EEAFSLWDEAFALKDAIFNHNHYGEHETLSSIPERKSFAITTEHTLSTPYKMEERDEFSSLERALLEQADSSLYMTFISQMGTERPXPPEAWES	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1419 SGL RS12550 WP 010873252.1	DEEFSF.....TELETLIDTPAPKSFATISHPPFRLPVAMEEDEDEFKDLEALLEQADSSLGGGIAGMGGARLPARP...R	266
NTDB id 1046 HON27 RS03130 WP 168726941.1	ESAIAWLKDAIFNHNHYQHFDGLQQSLENIQF..FETTIQIPTKLTRA.DLFSS.EP.....VMTFIQGDGTEPPPPMGAWEQ	885
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	TYREBSNNQTYRVPAKPTENMNLSGENYKRRRIEDPEBSFRFLNMYMLNQRLADYLRMPDELEYETITILEGALLASRSTNSR	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1419 SGL RS12550 WP 010873252.1	QVKSRSFQETMRVPIKQLDNLSNLIGELVVKRNRLEQDQERLRQFLDNLLNQAQNLSDVGGRMQDLYERTLLEGALLASRSTNSR	351
NTDB id 1046 HON27 RS03130 WP 168726941.1	TERLDQNNEMIRVSADLIEKMIDLSGENSINRSRIEMDLSQFSHTLVEMELAIQRLADQLRRMEGELETQI.....	956
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	HHSSKTTYPDAR IAKSSSTETSRYSBFDALVMDBYSSFNPLSRMAEAYBYKRFKSTISYKYBETESYKPSRBYGAEYQEGMR	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1419 SGL RS12550 WP 010873252.1	HHSSKTTYPDARITASSSSTMNDQPLDALEMDRFTGFHLLSQEMIELIVRVRESASDIQYLVDETDQVARTLRQVTTQLQEGMTK	436
NTDB id 1046 HON27 RS03130 WP 168726941.1	IAKHGIEHSRYTDFDPLEMDQYSSLNQLSKSLAESASDLVDFKNTLSDKIRDTESLLLQQSRIQAEIQEGLMR	1029
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	IRLVPFISTABRLPRAYREYSKALNRXELVNNTEVEYDRNILERLVTPMEHLYRNAIDHGLTETPAERQKLRANKPEEGRTAYRAP	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1419 SGL RS12550 WP 010873252.1	SRMVPFTQTADRLPRAIREVSMKLNKKVNLEVEGGDVLIDKMILEHLYNPMTHLVNNAITHGIETPAERQKLGKSPEGHLAVRAF	521
NTDB id 1046 HON27 RS03130 WP 168726941.1	TRLVPPFSRLLPRLQRIVRQTSTALNRPaelFVNNTegELDRNILERLVTPLHMLRNAIDHGLEDRAQRQQANKPETGRIELNIQ	1114
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	EQGNBYYYYSDDDGRGIDYEVVRQKAYLXGLIRPMEQBLEQSEYYBLFHRAGSTKEXBBAAGRGVGLDWBIBTYBTSCAYS	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1419 SGL RS12550 WP 010873252.1	LQGNQTLITVSDDGAGINTEMVKQKAVEKGLISRMEASLSQSEVYDLLFHAGFSTKDTADDFAGRGVGLDVVRTSLIDIRGAIN	606
NTDB id 1046 HON27 RS03130 WP 168726941.1	RQGTDVVVVFSDDGQGIDVEKVRQKALLAGLIKP..EQDLEQQDILQLIFHPGLSTAEQVTQISGRGVGLDVVQSDIKSLGGHVS	1197
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	YESYVGRGTTFTIRVPTLYAYBALMVKYRBSAIPMRQYBETRYVPKBTEDYFEBEQELFEEREALLLRKYPLRYLNNYB	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1419 SGL RS12550 WP 010873252.1	IESTVGKGTTFTIRLPLTLsICKALCCLSDRARIAFPMDGVEDTRDYLPKDIVTD.EDGQKCVKYGKEALLLPLYPLKDLLNYNR	690
NTDB id 1046 HON27 RS03130 WP 168726941.1	VESVYGQGTTFtirVPTTVAVSdALMVKVADQQFAIPLAQIDRIIRVSPASLEQYFESPQELFEYEN.....KRYPLRYLSEFVG	1277
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()		
NTDB id 374 SMU RS06885 WP 002262930.1		0
NTDB id 1419 SGL RS12550 WP 010873252.1		0
NTDB id 1046 HON27 RS03130 WP 168726941.1		774
NTDB id 1047 HON27 RS03110 WP 000389061.1		1359
NTDB id 29412 AM1 RS18380 WP 010472888.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		0

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NTDB id 413 AAK55817.1 141..845()		
NTDB id 374 SMU RS06885 WP 002262930.1		59
NTDB id 1419 SGL RS12550 WP 010873252.1		59
NTDB id 1046 HON27 RS03130 WP 168726941.1		858
NTDB id 1047 HON27 RS03110 WP 000389061.1		1437
NTDB id 29412 AM1 RS18380 WP 010472888.1		65
NTDB id 1417 SGL RS04200 WP 014407071.1		59
consensus		59

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NTDB id 413 AAK55817.1 141..845()		
NTDB id 374 SMU RS06885 WP 002262930.1		139
NTDB id 1419 SGL RS12550 WP 010873252.1		140
NTDB id 1046 HON27 RS03130 WP 168726941.1		943
NTDB id 1047 HON27 RS03110 WP 000389061.1		1506
NTDB id 29412 AM1 RS18380 WP 010472888.1		127
NTDB id 1417 SGL RS04200 WP 014407071.1		121
consensus		121

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NTDB id 413 AAK55817.1 141..845()		
NTDB id 374 SMU RS06885 WP 002262930.1		203
NTDB id 1419 SGL RS12550 WP 010873252.1		204
NTDB id 1046 HON27 RS03130 WP 168726941.1		1018
NTDB id 1047 HON27 RS03110 WP 000389061.1		1506
NTDB id 29412 AM1 RS18380 WP 010472888.1		127
NTDB id 1417 SGL RS04200 WP 014407071.1		121
consensus		121

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NTDB id 413 AAK55817.1 141..845()	...RRLREKIEDTPSR...PEYILT.....RRGVGYMKNNA*	234
NTDB id 374 SMU RS06885 WP 002262930.1	...RRLREKIEDTPSR...PEYILT.....RRGVGYMKNSYD	235
NTDB id 1419 SGL RS12550 WP 010873252.1	MNGLELLERIQEDPNLSRIPVAMITSRGAQKMQRMMAAEKGAKGYFVKPYIEETLLEASQRLIRGEVLLDLAALSAD	1095
NTDB id 1046 HON27 RS03130 WP 168726941.1	.....	1506
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	127
NTDB id 29412 AM1 RS18380 WP 010472888.1	.....	121
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	121
consensus		

- ⓧ non conserved
- ⓧ similar
- ⓧ ≥ 50% conserved