

logo

NTDB id 413 AAK55817.1 141..845()	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIFVDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSAELAWT	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIEIFVDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSAELAWT	85
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 87490 QOW94 RS07620 WP 297757382.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

logo

NTDB id 413 AAK55817.1 141..845()	VEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDNFKQKRAHTLDFRPLILLGQQLQQQSSLEPALEELLQLSHTLMAETVTG	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	VEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDNFKQKRAHTLDFRPLILLGQQLQQQSSLEPALEELLQLSHTLMAETVTG	170
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 87490 QOW94 RS07620 WP 297757382.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	LELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAAEHLATIHQFLDQELHQYDSYNALIRALHTLRGSSAMAQVETIFEAS	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	LELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAAEHLATIHQFLDQELHQYDSYNALIRALHTLRGSSAMAQVETIFEAS	255
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 87490 QOW94 RS07620 WP 297757382.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	TKVEHLFKILLQEELSSHSEEILLQEYREFVRDSLELLSRYSSSEQLEARLLQFNQSWDAYVEQHGDRTPLMPSHGLVSQQLLQ	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	TKVEHLFKILLQEELSSHSEEILLQEYREFVRDSLELLSRYSSSEQLEARLLQFNQSWDAYVEQHGDRTPLMPSHGLVSQQLLQ	340
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 87490 QOW94 RS07620 WP 297757382.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	LDVSELDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEVLLDKPALLQSDYIFEIYQKAHQQLI	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	LDVSELDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEVLLDKPALLQSDYIFEIYQKAHQQLI	425
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 87490 QOW94 RS07620 WP 297757382.1		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
NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 87490 QOW94 RS07620 WP 297757382.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus

QLFDALAAGQVRGVVKQHQSI L EELKLYTQYTPDI SNDLPQQDSTSFEP IYNI EPEPEVVATVENFSDSADWAVLGQSVQQDRQY
.....
QLFDALAAGQVRGVVKQHQSI L EELKLYTQYTPDISNDLPQQDSTSFEP IYNI EPEPEVVATVENFSDSADWAVLGQSVQQDRQY
.....

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NTDB id 413 AAK55817.1 141..845()
NTDB id 374 SMU RS06885 WP 002262930.1
NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 87490 QOW94 RS07620 WP 297757382.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus

I SSTQVNRNFDADLLDI FLEEAEELLEGI DTDLNIWVGEQENFAALNNLMRYLHTLKGGANMVQATYLG LIAHELES IYERLIQK
.....
ISSTQVNRNFDADLLDIFLEEAEELLEGI DTDLNIWVGEQENFAALNNLMRYLHTLKGGANMVQATYLG LIAHELES IYERLIQK
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NTDB id 413 AAK55817.1 141..845()
NTDB id 374 SMU RS06885 WP 002262930.1
NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 87490 QOW94 RS07620 WP 297757382.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus

QLVVTSDLIDFI RLVQDDLADRLQIMREQQLDYAAPYTINALKRAGQNSNFQPLPVVEAFDAESEVFSEQKVI SEI IIDEIPVEL
.....
QLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRAGQNSNFQPLPVVEAFDAESEVFSEQKVI SEI IIDEIPVEL
.....

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NTDB id 413 AAK55817.1 141..845()
NTDB id 374 SMU RS06885 WP 002262930.1
NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 87490 QOW94 RS07620 WP 297757382.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus

EPALAELETHHDQVFDTAVTELATPVEMITTVTSQENEVAANEQDI EAVVEQTFLEEATELLEMAESLLKQWFEQRTNRS ILLQL
.....
EPALAELETHHDQVFDTAVTELATPVEMITTVTSQENEVAANEQDI EAVVEQTFLEEATELLEMAESLLKQWFEQRTNRS ILLQL
.....

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765
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NTDB id 413 AAK55817.1 141..845()
NTDB id 374 SMU RS06885 WP 002262930.1
NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 87490 QOW94 RS07620 WP 297757382.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus

QRAVHSLKGGARMVGL EAVQAIAYQLENAFEQFALHHFN SN IYDHLLESAIAWLKDAIFNHNYQHFDGLQQSLENIQFFETTIQI
.....
QRAVHSLKGGARMVGL EAVQAIAYQLENAFEQFALHHFN SN IYDHLLESAIAWLKDAIFNHNYQHFDGLQQSLENIQFFETTIQI
.....

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850
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0

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NTDB id 413 AAK55817.1 141..845()	PTKLTRADLFSSEPVMTFIQGDGTEPPPMGAWEQTERLDQNNEMIRVSADLIEK MIDLSGENSINRSRIEMDLSQFSHTLVEME	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	PTKLTRADLFSSEPVMTFIQGDGTEPPPMGAWEQTERLDQNNEMIRVSADLIEK MIDLSGENSINRSRIEMDLSQFSHTLVEME	935
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 87490 QOW94 RS07620 WP 297757382.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	LA IQRLADQLRRMEGELETQIIAKHGIEHSRYTDFDPLEMDQYSSLNQLSKSLAESASDLVDFKNTLSDKIRDTESLLLQQSRIQ	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	LAIQRLADQLRRMEGELETQIIAKHGIEHSRYTDFDPLEMDQYSSLNQLSKSLAESASDLVDFKNTLSDKIRDTESLLLQQSRIQ	1020
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 87490 QOW94 RS07620 WP 297757382.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	AE IQEGLMRTRLVPFSRLLPRLQRIVRQTSTALNRPaelFVNNTegELDRNILERLVTPLHMLRNAIDHGLEDRAQRQQANKPE	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	AEIQEGLMRTRLVPFSRLLPRLQRIVRQTSTALNRPaelFVNNTegELDRNILERLVTPLHMLRNAIDHGLEDRAQRQQANKPE	1105
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 87490 QOW94 RS07620 WP 297757382.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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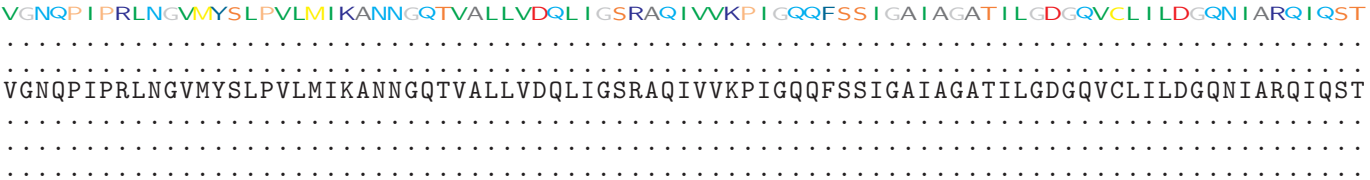
NTDB id 413 AAK55817.1 141..845()	TGRIELNIQRQGTDVVVVFSDDGQGIDVEKVRQKALLAGLIKPEQDLEQQDILQLIFHPGLSTAEQVTQISGRGVGLDVVQSDIK	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	TGRIELNIQRQGTDVVVVFSDDGQGIDVEKVRQKALLAGLIKPEQDLEQQDILQLIFHPGLSTAEQVTQISGRGVGLDVVQSDIK	1190
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 87490 QOW94 RS07620 WP 297757382.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 413 AAK55817.1 141..845()	SLGGHVSVESVYGQGTTFIRVPTTVAVSDALMVKVADQQFAIPLAQIDRIIRVSPASLEQYFESPQELFEYENKRYPLRYLSEF	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	SLGGHVSVESVYGQGTTFIRVPTTVAVSDALMVKVADQQFAIPLAQIDRIIRVSPASLEQYFESPQELFEYENKRYPLRYLSEF	1275
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 87490 QOW94 RS07620 WP 297757382.1		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
NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 87490 QOW94 RS07620 WP 297757382.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus



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NTDB id 413 AAK55817.1 141..845()
NTDB id 374 SMU RS06885 WP 002262930.1
NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 87490 QOW94 RS07620 WP 297757382.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus



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NTDB id 413 AAK55817.1 141..845()
NTDB id 374 SMU RS06885 WP 002262930.1
NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 87490 QOW94 RS07620 WP 297757382.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus



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NTDB id 413 AAK55817.1 141..845()
NTDB id 374 SMU RS06885 WP 002262930.1
NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 87490 QOW94 RS07620 WP 297757382.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus



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NTDB id 413 AAK55817.1 141..845()		A*	234
NTDB id 374 SMU RS06885 WP 002262930.1		D.	235
NTDB id 1046 HON27 RS03130 WP 168726941.1		..	1506
NTDB id 1047 HON27 RS03110 WP 000389061.1		..	127
NTDB id 87490 QOW94 RS07620 WP 297757382.1		..	120
NTDB id 1417 SGL RS04200 WP 014407071.1		..	121
consensus			

-  non conserved
-  similar
-  ≥ 50% conserved