

logo

	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEFVDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSA	
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIEFVDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSA	80
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314113 D3A95 RS02330 WP 181496043.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

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	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDFNKQKRAHTLDFRPLILLGQQLQQQSLEPALEELLQLS	
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDFNKQKRAHTLDFRPLILLGQQLQQQSLEPALEELLQLS	160
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314113 D3A95 RS02330 WP 181496043.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

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	HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDELTLTFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR	
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDELTLTFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR	240
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314113 D3A95 RS02330 WP 181496043.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

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	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQYREFVDRSLELLSRYSSSEQLERLLQFNQSWDAYVEQ	
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQYREFVDRSLELLSRYSSSEQLERLLQFNQSWDAYVEQ	320
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314113 D3A95 RS02330 WP 181496043.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

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	HGDRTPMLPMSHGLVLSQLQLDVSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	HGDRTPMLPMSHGLVLSQLQLDVSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	400
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314113 D3A95 RS02330 WP 181496043.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
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	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVKQHQSI EELKLYTQYTPDISNDLPQQDSTSFEP IYNI EP	
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVKQHQSI EELKLYTQYTPDISNDLPQQDSTSFEP IYNI EP	480
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314113 D3A95 RS02330 WP 181496043.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

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	EPEVVATVENFSDSADWAVL GQSVQQDRQYI SSTQVNRNFDADLLDIFLEEAELLE GIDTDLNIWVGEQENFAALNNLM	
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	EPEVVATVENFSDSADWAVL GQSVQQDRQYI SSTQVNRNFDADLLDIFLEEAELLE GIDTDLNIWVGEQENFAALNNLM	560
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314113 D3A95 RS02330 WP 181496043.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

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	RYLHTLKGGANMVQATYLG LIAHELES IYERLI QKQLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRA	
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	RYLHTLKGGANMVQATYLG LIAHELES IYERLI QKQLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRA	640
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314113 D3A95 RS02330 WP 181496043.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

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	GQNSNFQPLPVVEAFDAESEVFSEQKVI SEI I IDEIPVELEPALAELETHHDQVFD TAVTELATPVEMITTVTSQENEVA	
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GQNSNFQPLPVVEAFDAESEVFSEQKVI SEI I IDEIPVELEPALAELETHHDQVFD TAVTELATPVEMITTVTSQENEVA	720
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314113 D3A95 RS02330 WP 181496043.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

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	ANEQDI EAVVEQTFLEEATELLEMAESLLKQWFEQRTNRS ILLQLQRAVHSLKGGARMVGL EAVQAIAYQLENAFEQFAL	
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	ANEQDI EAVVEQTFLEEATELLEMAESLLKQWFEQRTNRS ILLQLQRAVHSLKGGARMVGL EAVQAIAYQLENAFEQFAL	800
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314113 D3A95 RS02330 WP 181496043.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

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NTDB id 413 AAK55817.1 141..845( )	HHFNSNIYDHLLESAIAWLKDAIFNHNYQHFDGLQQSLENIQFFETTIQIPTKLTRADLFSSEPVMTFIQGDGTEPPPM	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	HHFNSNIYDHLLESAIAWLKDAIFNHNYQHFDGLQQSLENIQFFETTIQIPTKLTRADLFSSEPVMTFIQGDGTEPPPM	880
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314113 D3A95 RS02330 WP 181496043.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus	.....	0

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NTDB id 413 AAK55817.1 141..845( )	GAWEQTERLDQNNEMIRVSADLIEKMI DLSGENSINRSRIEMDLSQFSHTLVEMELAIQRLADQLRRMEGELETQIIAKH	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GAWEQTERLDQNNEMIRVSADLIEKMI DLSGENSINRSRIEMDLSQFSHTLVEMELAIQRLADQLRRMEGELETQIIAKH	960
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314113 D3A95 RS02330 WP 181496043.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus	.....	0

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NTDB id 413 AAK55817.1 141..845( )	GI EHSRYTDFDPLEMDQYSSLNQLSKSLAESASDLVDFKNTLSDKIRDTESELLLQQRISQAEIQEGLMRTRLVPPFSRLLP	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GI EHSRYTDFDPLEMDQYSSLNQLSKSLAESASDLVDFKNTLSDKIRDTESELLLQQRISQAEIQEGLMRTRLVPPFSRLLP	1040
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314113 D3A95 RS02330 WP 181496043.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus	.....	0

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NTDB id 413 AAK55817.1 141..845( )	RLQRIVRQTSTALNRPAELFVNNTEGELDRNILERLVTPLEHMLRNAIDHGLEDRAQRQQANKPETGRIELNIQRQGTDV	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	RLQRIVRQTSTALNRPAELFVNNTEGELDRNILERLVTPLEHMLRNAIDHGLEDRAQRQQANKPETGRIELNIQRQGTDV	1120
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314113 D3A95 RS02330 WP 181496043.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus	.....	0

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NTDB id 413 AAK55817.1 141..845( )	VVVFSDDGQGI DVEKVRQKALLAGLIKPEQDLEQQDILQLIFHPGLSTAEQVTQISGRGVGLDQVSDIKSLGGHVSVES	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	VVVFSDDGQGI DVEKVRQKALLAGLIKPEQDLEQQDILQLIFHPGLSTAEQVTQISGRGVGLDQVSDIKSLGGHVSVES	1200
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314113 D3A95 RS02330 WP 181496043.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus	.....	0



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NTDB id 413 AAK55817.1 141..845( )	YILTRRGVGYM <sup>R</sup> SNNA	234
NTDB id 374 SMU RS06885 WP 002262930.1	YILTRRGVGYMRNNA*	235
NTDB id 1046 HON27 RS03130 WP 168726941.1	.....	1506
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	127
NTDB id 314113 D3A95 RS02330 WP 181496043.1	.....	120
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	121
consensus		

 non conserved  
 similar  
 ≥ 50% conserved