

logo

	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIVFDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSA	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIVFDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSA	80
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132937 NMG88 RS15580 WP 214560400.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	ELAWTVEDTLNLRVINQSLQLTPTIQSYVQLVFKFYFLKLVDFNFKQKRAHTLDFRPLILLGQQLQQQSLEPALEELLQLS	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	ELAWTVEDTLNLRVINQSLQLTPTIQSYVQLVFKFYFLKLVDFNFKQKRAHTLDFRPLILLGQQLQQQSLEPALEELLQLS	160
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132937 NMG88 RS15580 WP 214560400.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	HTLMAETVTGTGLELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR	240
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132937 NMG88 RS15580 WP 214560400.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLLQYREFVDRSLELLSRYSSSEQLLEARLLQFNQSWDAYVEQ	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLLQYREFVDRSLELLSRYSSSEQLLEARLLQFNQSWDAYVEQ	320
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132937 NMG88 RS15580 WP 214560400.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
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	HGDRTPLMPSHGLVSQLQLQLDVSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	HGDRTPLMPSHGLVSQLQLQLDVSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	400
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132937 NMG88 RS15580 WP 214560400.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
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	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVVKQHQSI LLEELKLYTQYTPDISNDLPQQDSTSFEP IYNI EP	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVVKQHQSI LLEELKLYTQYTPDISNDLPQQDSTSFEP IYNI EP	480
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132937 NMG88 RS15580 WP 214560400.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
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	EPEVVATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEAEEELLEGLDIDLNIWVGEQENFAALNNLM	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	EPEVVATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEAEEELLEGLDIDLNIWVGEQENFAALNNLM	560
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132937 NMG88 RS15580 WP 214560400.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
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	RYLHTLKGGANMVQATYLGGLIAHELES IYERLIQKQLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTI NALKRA	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	RYLHTLKGGANMVQATYLGGLIAHELES IYERLIQKQLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTI NALKRA	640
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132937 NMG88 RS15580 WP 214560400.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
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	GQNSNFQPLPVVEAFDAESEVFSEQKVI SEI I I DE I PVELEPALAELETHHDQVFD TAVTELATPVEM I TTVTSQENEVA	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GQNSNFQPLPVVEAFDAESEVFSEQKVI SEI I I DE I PVELEPALAELETHHDQVFD TAVTELATPVEM I TTVTSQENEVA	720
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132937 NMG88 RS15580 WP 214560400.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
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	ANEQDI EAVVEQTFLEEATELLEMAESLLKQWF EQRTNRS I LLQLQRAVHSLKGGARMV GLEAVQAI AYQLENAFEQFAL	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	ANEQDI EAVVEQTFLEEATELLEMAESLLKQWF EQRTNRS I LLQLQRAVHSLKGGARMV GLEAVQAI AYQLENAFEQFAL	800
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132937 NMG88 RS15580 WP 214560400.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	HHFNSNIYDHLLES AIAWLKDAIFNHNYQHFDGLQQSLENI QFFETTIQI I PTKLTRADLFSSEPVM TFI QGDGTEPPPPM	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	HHFNSNIYDHLLES AIAWLKDAIFNHNYQHFDGLQQSLENI QFFETTIQI I PTKLTRADLFSSEPVM TFI QGDGTEPPPPM	880
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132937 NMG88 RS15580 WP 214560400.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	GAWEQTERLDQNNEMI RVSADLI EKMI DLSGENS I NRSRI EMDLSQFSHTLVEMELAI QRLADQLRRMEGELETQ I IAKH	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GAWEQTERLDQNNEMI RVSADLI EKMI DLSGENS I NRSRI EMDLSQFSHTLVEMELAI QRLADQLRRMEGELETQ I IAKH	960
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132937 NMG88 RS15580 WP 214560400.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	G I E H S R Y T D F D P L E M D Q Y S S L N Q L S K S L A E S A S D L V D F K N T L S D K I R D T E S L L L Q Q S R I Q A E I Q E G L M R T R L V P F S R L L P	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	G I E H S R Y T D F D P L E M D Q Y S S L N Q L S K S L A E S A S D L V D F K N T L S D K I R D T E S L L L Q Q S R I Q A E I Q E G L M R T R L V P F S R L L P	1040
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132937 NMG88 RS15580 WP 214560400.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	R L Q R I V R Q T S T A L N R P A E L F V N N T E G E L D R N I L E R L V T P L E H M L R N A I D H G L E D R A Q R Q Q A N K P E T G R I E L N I Q R Q G T D V	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	R L Q R I V R Q T S T A L N R P A E L F V N N T E G E L D R N I L E R L V T P L E H M L R N A I D H G L E D R A Q R Q Q A N K P E T G R I E L N I Q R Q G T D V	1120
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NTDB id 1132937 NMG88 RS15580 WP 214560400.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	V V V F S D D G Q G I D V E K V R Q K A L L A G L I K P E Q D L E Q Q D I L Q L I F H P G L S T A E Q V T Q I S G R G V G L D V V Q S D I K S L G G H V S V E S	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	V V V F S D D G Q G I D V E K V R Q K A L L A G L I K P E Q D L E Q Q D I L Q L I F H P G L S T A E Q V T Q I S G R G V G L D V V Q S D I K S L G G H V S V E S	1200
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132937 NMG88 RS15580 WP 214560400.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	V Y G Q G T T F T I R V P T T V A V S D A L M V K V A D Q Q F A I P L A Q I D R I I R V S P A S L E Q Y F E S P Q E L F E Y E N K R Y P L R Y L S E F V G N Q P	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	V Y G Q G T T F T I R V P T T V A V S D A L M V K V A D Q Q F A I P L A Q I D R I I R V S P A S L E Q Y F E S P Q E L F E Y E N K R Y P L R Y L S E F V G N Q P	1280
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132937 NMG88 RS15580 WP 214560400.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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NTDB id 372 SMU RS05280 WP 002262198.1	PECLLT TV KGLGYKLKVS..	229
NTDB id 374 SMU RS06885 WP 002262930.1	PEYILTRRGVGY Y MKSYD.	235
NTDB id 413 AAK55817.1 141..845()	PEYILTRRGVGY Y MRNNA*	234
NTDB id 1046 HON27 RS03130 WP 168726941.1	.....	1506
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	127
NTDB id 1132937 NMG88 RS15580 WP 214560400.1	.....	122
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	121
consensus		

PEYILTRRGVGYMKSYD

non conserved
 similar
 ≥ 50% conserved