

logo

	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIVFDLQPLINKWMQSENIATLTEIRRHFHHTLKGSGRMIGAKSSA	
NTDB id 1046 HON27 RS03130 WP 168726941.1	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIVFDLQPLINKWMQSENIATLTEIRRHFHHTLKGSGRMIGAKSSA	80
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132919 NMG85 RS17855 WP 026795306.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDFKQKRAHTLDFRPLILLGQQLQQQQLSLEPALEEELLQLS	
NTDB id 1046 HON27 RS03130 WP 168726941.1	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDFKQKRAHTLDFRPLILLGQQLQQQQLSLEPALEEELLQLS	160
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132919 NMG85 RS17855 WP 026795306.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDETLTLFMEEAEEHLATHIQFLDQELHQYDSYNALIRALHTLR	
NTDB id 1046 HON27 RS03130 WP 168726941.1	HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDETLTLFMEEAEEHLATHIQFLDQELHQYDSYNALIRALHTLR	240
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132919 NMG85 RS17855 WP 026795306.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQYREFVVRDSLELLSRYSSSEQLLEARLLQFNQSWDAYVEQ	
NTDB id 1046 HON27 RS03130 WP 168726941.1	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQYREFVVRDSLELLSRYSSSEQLLEARLLQFNQSWDAYVEQ	320
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132919 NMG85 RS17855 WP 026795306.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	HGDRTPPLMPHGLVLSQLLDVSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	
NTDB id 1046 HON27 RS03130 WP 168726941.1	HGDRTPPLMPHGLVLSQLLDVSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	400
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132919 NMG85 RS17855 WP 026795306.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVVKQHQSI LLEELKLYTQYTPDISNDLPQQDSTSFEP IYNIEP	
NTDB id 1046 HON27 RS03130 WP 168726941.1	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVVKQHQSI LLEELKLYTQYTPDISNDLPQQDSTSFEP IYNIEP	480
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132919 NMG85 RS17855 WP 026795306.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	EPEVWATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEAEEELLEGLDIDLNIWVGEQENFAALNNLM	
NTDB id 1046 HON27 RS03130 WP 168726941.1	EPEVVATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEAEEELLEGLDIDLNIWVGEQENFAALNNLM	560
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132919 NMG85 RS17855 WP 026795306.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	RYLHRTLKGGANMVQATYLGILIAHELESIIYERLIQKQLVWTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTIINALKRA	
NTDB id 1046 HON27 RS03130 WP 168726941.1	RYLHRTLKGGANMVQATYLGILIAHELESIIYERLIQKQLVWTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTIINALKRA	640
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132919 NMG85 RS17855 WP 026795306.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	GQNSNFQPLPVVEAFDAESEVFSEKQVISEIIDEIPVELEPALAELETHHDQVFDTAVTELATPVEMITTVTSQENEVA	
NTDB id 1046 HON27 RS03130 WP 168726941.1	GQNSNFQPLPVVEAFDAESEVFSEKQVISEIIDEIPVELEPALAELETHHDQVFDTAVTELATPVEMITTVTSQENEVA	720
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132919 NMG85 RS17855 WP 026795306.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	ANEQDIEAVVEQTFLEEATELLEMAESLLKQWFEQRTNRSILLQLQRAVHSLKGGARMVGLAEVQAIAYQLENAFEQFAL	
NTDB id 1046 HON27 RS03130 WP 168726941.1	ANEQDIEAVVEQTFLEEATELLEMAESLLKQWFEQRTNRSILLQLQRAVHSLKGGARMVGLAEVQAIAYQLENAFEQFAL	800
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132919 NMG85 RS17855 WP 026795306.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	HHFNSNIYDHLLESAAIAWLKDAIFNHNYQHFDGLQQSLENIQFFETTIIQIPTKLTRADLFSSEPVMTFIQGDGTEPPPM	
NTDB id 1046 HON27 RS03130 WP 168726941.1	HHFNSNIYDHLLESAAIAWLKDAIFNHNYQHFDGLQQSLENIQFFETTIIQIPTKLTRADLFSSEPVMTFIQGDGTEPPPM	880
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132919 NMG85 RS17855 WP 026795306.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	GAWEQTERLDQNNEMIRVSADLIEKMIDLSGENSINRSRIEMDLSQFSHTLVEMELAIQRLADQLRRMEGELETQIIAKH	
NTDB id 1046 HON27 RS03130 WP 168726941.1	GAWEQTERLDQNNEMIRVSADLIEKMIDLSGENSINRSRIEMDLSQFSHTLVEMELAIQRLADQLRRMEGELETQIIAKH	960
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1132919 NMG85 RS17855 WP 026795306.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1
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NTDB id 1132919 NMG85 RS17855 WP 026795306.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus

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
GIEHSRYTDFDPLEMDQYSSSLNQLSKSLAESASDLVDFKNTLSDKIRDTESLLLQQSRIQAEIQEGLMRTRLVPPFSRLLP 1040
..... 0
..... 0
..... 0

logo

NTDB id 1046 HON27 RS03130 WP 168726941.1
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NTDB id 1132919 NMG85 RS17855 WP 026795306.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus

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
RLQRIVRQTSTALNRPAELFVNNTEGELDRNILERLVTPLEHMLRNAIDHGLEDRAQRQQANKPETGRIELNIQRQGTDV 1120
..... 0
..... 0
..... 0

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NTDB id 1046 HON27 RS03130 WP 168726941.1
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NTDB id 1132919 NMG85 RS17855 WP 026795306.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus

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
VVVFSDDGQGIDVEKVRQKALLAGLIKPEQDLEQQDILQLIFHPGLSTAEQVTQISGRGVGLDVVQSDIKSLGGHVSVES 1200
..... 0
..... 0
..... 0

logo

NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 1132919 NMG85 RS17855 WP 026795306.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus

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
VYGQGTTFITIRVPTTVAVSDALMVKVADQQFAIPLAQIDRIIRVSPASLEQYFESPQELFEYENKRYPLRYLSEFVGNQP 1280
..... 0
..... 0
..... 0

logo

NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 1132919 NMG85 RS17855 WP 026795306.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus

I P R L N G V M Y S L P V L M I K A N N G Q T V A L L V D Q L I G S R A Q I V V K P I G Q Q F S S I G A I A G A T I L G D G Q V C L I L D G Q N I A R Q I Q S T
IPRLNGVMYSLPVLMIKANNGQTVALLVDQLIGSRAQIVVKPIGQQFSSIGAIAGATILGDGQVCLILDGQNIARQIQST 1360
..... 0
..... 0
..... 0

logo

NTDB id 1046 HON27 RS03130 WP 168726941.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
NTDB id 1132919 NMG85 RS17855 WP 026795306.1
NTDB id 1417 SGL RS04200 WP 014407071.1
consensus

Q R H K Q L S E A V Y R Q R E S D E R R L M I V D S V T V R K V T S R L L E R Q G V D V T A K D G V D A I E Q L E N I K P D L M L D I E M P R M D G F E
QRHKQLSEAVYRQRESDERRLMIVDSVTVRKVT SRLLERQGVDTVTAKDGVDAIEQLENIKPDLMLDIEMPRMDGFE 1440
..... 68
..... 62
..... 62
* ** ***** ! ! ** ! ***** ! ** ! * ! ! ! ! * ! * * * * * ! ! * * * * * ! * ! ! ! * ! * *

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NTDB id 1046 HON27 RS03130 WP 168726941.1
 NTDB id 1047 HON27 RS03110 WP 000389061.1
 NTDB id 1132919 NMG85 RS17855 WP 026795306.1
 NTDB id 1417 SGL RS04200 WP 014407071.1
 consensus



X non conserved
X similar
X ≥ 50% conserved