

logo

	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIVFDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSA	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
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	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIVFDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSA	80
NTDB id 1419 SGL RS12550 WP 010873252.1	.....	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314116 D3A95 RS05535 WP 181496648.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus		

logo

	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDFNKQKRAHTLDFRPLILLGQQLQQQSLEPALEELLQLS	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
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 1419 SGL RS12550 WP 010873252.1	.....	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314116 D3A95 RS05535 WP 181496648.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDETLTLFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
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	HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDETLTLFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR	240
NTDB id 1419 SGL RS12550 WP 010873252.1	.....	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314116 D3A95 RS05535 WP 181496648.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQYREFVDRSLELLSRYSSSEQLLEARLLQFNQSWDAYVEQ	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
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	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQYREFVDRSLELLSRYSSSEQLLEARLLQFNQSWDAYVEQ	320
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NTDB id 1047 HON27 RS03110 WP 000389061.1	0
NTDB id 314116 D3A95 RS05535 WP 181496648.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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NTDB id 372 SMU RS05280 WP 002262198.1	HGDRTDPLMP SHGLV S QLLQLD VSE LLD AELDFE KGI RNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	0
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	HGDRTDPLMP SHGLV S QLLQLD VSE LLD AELDFE KGI RNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	400
NTDB id 1419 SGL RS12550 WP 010873252.1	.....	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314116 D3A95 RS05535 WP 181496648.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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NTDB id 372 SMU RS05280 WP 002262198.1	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVVKQHQSI EELKLYTQYTPDISNDLPQQDSTSFEP IYNI E S	0
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	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVVKQHQSI EELKLYTQYTPDISNDLPQQDSTSFEP IYNI E S	480
NTDB id 1419 SGL RS12550 WP 010873252.1	.....	3
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314116 D3A95 RS05535 WP 181496648.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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NTDB id 372 SMU RS05280 WP 002262198.1	E P N E V V A T V E N F S D S A D W A V L G Q S V Q Q D R Q Y I S S T Q V N R N F D A D L L D I F L E E A E E L L E G P R I R I F E N W Y G E E E N E R A F T S L Y	0
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	EPEVVATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEAEEELLEGGIDTDLNIWVGEQENFAALNNLM	560
NTDB id 1419 SGL RS12550 WP 010873252.1	DPN.....	28
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314116 D3A95 RS05535 WP 181496648.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus	.....	0

logo

NTDB id 372 SMU RS05280 WP 002262198.1	R Y L E H T L K G G A N M V Q A T Y L G L I A H E L E S I Y E R L I Q K Q L V V T S D L I D F I R L V Q D D L A D R L Q I M R E Q Q L D Y A A P Y T I N A L K R A	0
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	RYLHTLKGGANMVQATYLGLIAHELES IYERLIQKQLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRA	640
NTDB id 1419 SGL RS12550 WP 010873252.1	AGE.....	31
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314116 D3A95 RS05535 WP 181496648.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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NTDB id 372 SMU RS05280 WP 002262198.1	EQNSNFFELBYVBLFBAEPEVLSSEKYLS E I I I D E I P V E L E P A L A E L E T H H D Q V F D T A V T E L A T P V E M I T T V T S Q E N E V A	0
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 I D E I P V E L E P A L A E L E T H H D Q V F D T A V T E L A T P V E M I T T V T S Q E N E V A	720
NTDB id 1419 SGL RS12550 WP 010873252.1	ETNSGIEELDFGDLFEQEPTVIQGGFGS..... PSSGEEDPPVRMTLDFNSPEAELD	84
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314116 D3A95 RS05535 WP 181496648.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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NTDB id 372 SMU RS05280 WP 002262198.1	ANEQDI EAVVEQTFL ERTETTRVDFSSSWL E QSTNS	0
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	ANEQDIEAVVEQTFL E E A T E L L E M A E S L L K Q W F E Q R T N R S I L	762
NTDB id 1419 SGL RS12550 WP 010873252.1	..... ALFTDEDAPTTAIDPFESSSWLEIDQMMEADPLASIPETNAPAYQTAGGLDDNDL AELQDLLGVGDVEP	153
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314116 D3A95 RS05535 WP 181496648.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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NTDB id 372 SMU RS05280 WP 002262198.1	AQTRNSYHSHKGRMYL E N Y S L T A F A L E N A F E Q F A T H H F N S L I X R P Y L S E A F A P L K D A I F N H N Y Q H F D G L Q Q S L E N I Q	0
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	LQLQRAVHSLKGGARMVGL EAVQAIAYQLEN AFEQFALH H F N S N I Y D H L L E S A I A W L K D A I F N H N Y Q H F D G L Q Q S L E N I Q	842
NTDB id 1419 SGL RS12550 WP 010873252.1	AITNPG LHSFAGADRVTPLTNEVLL.FA..... AIDDL DGLINAPVLDEEFSF..... TELETLIDTPAPKS	214
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314116 D3A95 RS05535 WP 181496648.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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NTDB id 372 SMU RS05280 WP 002262198.1	FATFETTFSTPYKTEERDL FSS EP	0
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	F..FETTIQIPTKLTRA.DLFSS.EP..... VMTFIQGDGTEPPPMGAW EQTERLDQNNEMIRVSADLIEK MIDLS	910
NTDB id 1419 SGL RS12550 WP 010873252.1	FATISHPFRLPVAMEEDEFKDL EALLEQADSSLG GGIAGMGGARLPARP... RQVKRSRFEQTM RVPIKQLDNLSNLI	291
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314116 D3A95 RS05535 WP 181496648.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus	.....	0

logo

	G E N S Y N R S R T E S D R E S F R F L V M E L N A Q R L S D X L S R M E D E L E R T L E G A L L A S R S T N S R H H S S K T T Y P D A R I A K H S S E H	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
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	G E N S I N R S R I E M D L S Q F S H T L V E M E L A I Q R L A D Q L R R M E G E L E T Q I I A K H G I E H	964
NTDB id 1419 SGL RS12550 WP 010873252.1	G E L V V K R N R L E Q D Q E R L R Q F L D N L L N Q A Q N L S D V G R M Q D L Y E R T L L E G A L L A S R S T N S R H H S S K T T Y P D A R I T A S S S T	371
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314116 D3A95 RS05535 WP 181496648.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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	S R 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 S R I Q A E I Q E G L M R T R L V P F S R L L P R L Q R	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
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	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 S R I Q A E I Q E G L M R T R L V P F S R L L P R L Q R	1044
NTDB id 1419 SGL RS12550 WP 010873252.1	M N D Q P L D A L E M D R F T G F H L L S Q E M I E L I V R V R E S A S D I Q Y L V D E T D Q V A R T L R Q V T T Q L Q E G M T K S R M V P F T Q T A D R L P R	451
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314116 D3A95 RS05535 WP 181496648.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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	A Y R E S S I K L N R E X N L E V N T E S E T 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 A N K P E T G R I E L N I Q R G T D V V V V F	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
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	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 A N K P E T G R I E L N I Q R G T D V V V V F	1124
NTDB id 1419 SGL RS12550 WP 010873252.1	A I R E V S M K L N K K V N L E V E G D V L I D K M I L E H L N P M T H L V N N A I T H G I E T P A E R Q K L G K S P E G H L A V R A F L Q N Q T L I T V	531
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314116 D3A95 RS05535 WP 181496648.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
consensus	.....	0

logo

	S D D G R G I N T E M V K Q K A V E K L I S R M E A Q S L S Q S E V Y D L L F H A G F S T K D T A D D F A G R V G L D V V R T S L I D I R G A I N I E S T V	
NTDB id 372 SMU RS05280 WP 002262198.1	.....	0
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	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 D I L Q L I F H P G L S T A E Q V T Q I S R G V G L D V V Q S D I K S L G H V S V E S V Y	1202
NTDB id 1419 SGL RS12550 WP 010873252.1	S D D G A G I N T E M V K Q K A V E K L I S R M E A Q S L S Q S E V Y D L L F H A G F S T K D T A D D F A G R V G L D V V R T S L I D I R G A I N I E S T V	611
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 314116 D3A95 RS05535 WP 181496648.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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NTDB id 372 SMU RS05280 WP 002262198.1
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 NTDB id 1047 HON27 RS03110 WP 000389061.1
 NTDB id 314116 D3A95 RS05535 WP 181496648.1
 NTDB id 1417 SGL RS04200 WP 014407071.1
 consensus

GRGTTFTIRYPETYSYKALMVKYRBSBFAFPLRSYBTRFVSPKSTYQDFESSEQLKLYEKEALLLRYPLRSLSEFVNS

 GQGTTFTIRVPTTVAVSDALMVKVADQQFAIPLAQIDRIIRVSPASLEQYFESPQELFEYEN.....KRYPLRYLSEFVG 1277
 GKGTTFTIRLPLTLSICKALCCLSDRARIAPMDGVEDTRDYLPKDIVTD.EDGQKCVKYGKEALLLPLYPLKDLLNYNR 690

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NTDB id 372 SMU RS05280 WP 002262198.1
 NTDB id 413 AAK55817.1 141..845()
 NTDB id 374 SMU RS06885 WP 002262930.1
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 NTDB id 1047 HON27 RS03110 WP 000389061.1
 NTDB id 314116 D3A95 RS05535 WP 181496648.1
 NTDB id 1417 SGL RS04200 WP 014407071.1
 consensus

RSPTFRYLNGGKQLEEDSYLVYLRANNGRILYALEYDQYTGEEAEIVYKPIESPTFRPEXLAGATYRGDGSYRCLADYNTLA

 NQPIPRNLG...VMYSLPVLMIKANNGQTVALLVDQLIGSRAQIVVKPIGQQFSSIGAIAGATILGDGQVCLILDGQNTIA 1354
 QLSRGSVYGGKQEEDVVRVVIARGSSGNLLALQIDQVLGEE.EIVIKQIEGPIPKPPGIAGATVVRGDGSIMPIADVLELI 769

logo

NTDB id 372 SMU RS05280 WP 002262198.1
 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 1419 SGL RS12550 WP 010873252.1
 NTDB id 1047 HON27 RS03110 WP 000389061.1
 NTDB id 314116 D3A95 RS05535 WP 181496648.1
 NTDB id 1417 SGL RS04200 WP 014407071.1
 consensus

ETAQSTERTIKBSSEAYLRRTLTPTPTMDEBDEBKAIVTEENYEQYRLELLEFQVETENLEYCENSKPDYBKFVQVFCV
 MNYKEKKILILDDNPETILEMVQESLNIAGFNNTGVQSKKFEALEQLGKRSE.DL 53
 MKKILIVDDEKPISDIIFKNMTEGVEVVTAFN.GREALEQFEAEQP.DL 48
 MKKILIVDDEKPISDIIFKNLAKEGYDTITAFD.GREALSKEYEENP.DL 48
 RQIQSTQRHKQLSEAVYRQ.....RESDERRLIMIVDSDVTVRKVTSRLLERQGYDVVTAKD.GVDATEQLENIKP.DL 1426
 EIAQGRRLRT.DSSGGLWRKTLTPTVNEVHMDPTVLIVDSDSITVRELLSLSFKKAGFRVEQARD.GQEAWDQLKSGLPCL 847
MEDAFQNLKVMVIDDSKTIIRTAETLLQREGCEVITAVD.GFEALSKEAEANP.DL 54
MSKVLVVEDSPPQREMISELLAKTGFEVTVATD.GVEAMEQLQGSTP.DV 48
MNAVLLVEDSSSQREMISGILKDHGWQVTIACD.GVEALEKLNQFSP.DL 48
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NTDB id 372 SMU RS05280 WP 002262198.1
 NTDB id 413 AAK55817.1 141..845()
 NTDB id 374 SMU RS06885 WP 002262930.1
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 NTDB id 1047 HON27 RS03110 WP 000389061.1
 NTDB id 314116 D3A95 RS05535 WP 181496648.1
 NTDB id 1417 SGL RS04200 WP 014407071.1
 consensus

VYLDIMPRMDGYEVLREIR...KTSTIPVLFSLAVSDIEKQYQGFELGADDYIVKPFPRPKELELRILSLKRAYPEKDD 130
 IILDMLPEIDGLEVAKTIR...KTSSVPILMLSAKDSEFDKVIQLELGADDYVTKPFSNRELQARVKALLRRSQMPVD 125
 IILDMLPELDGLEVAKEVR...KNSHVPIIMLSAKDSEFDKVIQLEIGADDYVTKPFSNRELLARVKAHLRRTENIESA 125
 MLLDIEMPRMDGYEVLNLRHHDHMQYMPIIMITSRTGKHRERAFSLGVSQYMGKPFQEEELLENIDALLVAFESEVKS 1506
 VFCDIEMPRKNGLELLELQADEELSSIPVALLTSRGADRHRKVAAKLGATGYFTKPYTEKDILDAANRMLNGEVLLPGS 927
 VVFDIMPRLDGYQTCALIKNSQNYQNIPVIMLSSKDGFLDQAKGRVVGSDIYLTKPFKDELLNATRNVSS..... 127
 VVLDIVMPRMNGYEVCRQIKADPRTQSIPVVICSSKGEFDRYWGKQADAYITKPFDPKELVGTIKQLLRG..... 121
 VVLDIVMPRMNGYEVCRQIKSDPKTKNVIPVIMCSSKGEFDRFWGMRQADAYITAKPFQPMELVGTIKQLLRN..... 121
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NTDB id 372 SMU RS05280 WP 002262198.1
 NTDB id 413 AAK55817.1 141..845()
 NTDB id 374 SMU RS06885 WP 002262930.1
 NTDB id 1046 HON27 RS03130 WP 168726941.1
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 NTDB id 1047 HON27 RS03110 WP 000389061.1
 NTDB id 314116 D3A95 RS05535 WP 181496648.1
 NTDB id 1417 SGL RS04200 WP 014407071.1
 consensus

T E N S S Y S E I L G N F S I Y P D A V A K K G T E Y L T H R E F E L L H L A H T S S V M T R E H L E T V W G Y D Y F G
 T L I L P T C Q V N F S Q A L I T K G E L E I Q L T A K E Y S I L K V L Y N N Q N R I V T F D Q L L E K V W G L Q Y Q G Y E N T M 195
 G Q . E A D S K P Q . P I Q I G D L E I V P D A Y V A K K Y G E E L D L T H R E F E L L Y H L A S H T G Q V I T R E H L L E T V W G Y D Y F G 194
 V A E E N A S G I P . E I I I G D L Q I L P D A F V A K K R G T E V E L T H R E F E L L H H L A T H T G Q V M T R E H L L E T V W G Y D Y F G 1506
 T R K T N S I L S R F K K A R G N F S E E A P T I V R S N P G T L R S T V L I I D D S V M V R E M L S M T F K K A D Y H T E T A R D G Q D A 997
 127
 121
 121

<0

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NTDB id 372 SMU RS05280 WP 002262198.1
 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 1419 SGL RS12550 WP 010873252.1
 NTDB id 1047 HON27 RS03110 WP 000389061.1
 NTDB id 314116 D3A95 RS05535 WP 181496648.1
 NTDB id 1417 SGL RS04200 WP 014407071.1
 consensus

D V R T V D Y T V R R L R E K | E R T P S R P E Y I L T R R G V G Y M K S Y
 M A H I R K I R Q K I E A N P S K P E C L L T V K G L G Y K L K V S 229
 D V R T V D V T V R R L R E K I E D T P S R P E Y I L T R R G V G Y M R N N A * 234
 D V R T V D V T V R R L R E K I E D T P S R P E Y I L T R R G V G Y M K S Y D 235
 1506
 W E K L K S G L P C D L I L C D I E M P R M N G L E L L E R I Q E D P N L S R I P V A M I T S R G A Q K M Q R M A A E K G A K G Y F V K P Y I E E T L L E A S Q 1077
 127
 121
 121

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NTDB id 372 SMU RS05280 WP 002262198.1
 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 1419 SGL RS12550 WP 010873252.1
 NTDB id 1047 HON27 RS03110 WP 000389061.1
 NTDB id 314116 D3A95 RS05535 WP 181496648.1
 NTDB id 1417 SGL RS04200 WP 014407071.1
 consensus

R L I R G E V L L D L A A L S A D E
 229
 234
 235
 1506
 R L I R G E V L L D L A A L S A D E 1095
 127
 121
 121

X non conserved
X similar
X ≥ 50% conserved