

logo

NTDB id 1419 SGL RS12550 WP 010873252.1	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIFVDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSA	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	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIFVDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSA	80
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDNFKQKRAHTLDFRPLILLGQQLQQQSLEPALEEELLQLS	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	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDNFKQKRAHTLDFRPLILLGQQLQQQSLEPALEEELLQLS	160
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR	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	HTLMAETVTGTGLELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR	240
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQEYREFVVRDSLELLSRYSSSEQLEARLLQFNQSWDAYVEQ	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	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQEYREFVVRDSLELLSRYSSSEQLEARLLQFNQSWDAYVEQ	320
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	HGDRTDPLMPSHGLVSQLQLQLDVSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	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	HGDRTDPLMPSHGLVSQLQLQLDVSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	400
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVKQHQSIILEELKLYTQYTPDISNDLPQQDSTSFEP IYNIEPMTS	3
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	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVKQHQSIILEELKLYTQYTPDISNDLPQQDSTSFEP IYNIEP	480
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	DPN.....PAQAFENWFEEEEGDDAFTSLI	28
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	EPEVVATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEAEEELLEGIQAQAFETIYEEEGDADIFNNLM	560
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	AGE.....	31
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 45793 SYNGTS RS02325 WP 014407071.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	ETNSGIEELDFGDLFEGETPTVIQGEFGS.....PSSGEEDPPVRMTLDFNSPEAELD	84
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	GQNSNFQPLPVVEAFDAESEVFSEQKVISIIDEIPVELEPALAELETHHDQVFDTAVTELATPVEMITTVTSQENEVA	720
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	ANEQDI EAVVEALFTDEERTETTEVRESLSSWLEORTNR.....ALFTDEDAPTTAIDPFESSSWLEIDQMMEADPLASIPETNAPAYQTAGGLDDNDLAEQLDQLLVGVDVEP	153
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	ANEQDIEAVVEQTFLEEATELLEMAESLLKQWFQRTNR.....S.....ILL.....	763
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	AITNPGLHSFAGADRVTPLTNEVLL.FA.....AIDDLGLINAPVLDEEFSF.....TELETLIDTPAPKS	214
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	.QLQRAVHSLKGGARMVGLEAVQAIAYQLENAFEQFALHHFNFSNIYDHLLESIAIWLKDAIFNHNHYQHFDGLQQSLENIQ	842
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	FATISHPFRLPVAMEEDEDKDLLEALLEGADSSLGGGIAGMGGARLPARP...RQVKRSRFEQTMRVPIKQLDNLSNLI	291
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.....VMTFIQGDGTEPPPMGAWEQTERLDQNNEMIRVSADLIEKMIDLS	910
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1
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 45793 SYNGTS RS02325 WP 014407071.1
NTDB id 1417 SGL RS04200 WP 014407071.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
consensus

G E N S Y N R R R E S D E E S F S F L D E M E L A A Q R L S D Y L 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 T A K S S S E H
GELVVKRNRL EQDQERLRQFLDNLLNQAQNLSDVGGRMQDLYERTLLEGALLASRSTNSRHHSSKTTYPDARITASSSST 371
..... 0
..... 0
GENSINRSRIEMDLSQFSHTLVEMELAIQRLADQLRRMEGELETQI.....IAKHGIEH 964
..... 0
..... 0
..... 0

logo

NTDB id 1419 SGL RS12550 WP 010873252.1
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 45793 SYNGTS RS02325 WP 014407071.1
NTDB id 1417 SGL RS04200 WP 014407071.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
consensus

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
MNDQPLDALEMDRFTGFHLLSQEMIELIVRVRESASDIQYLVDETDQVARTLRQVTTQLQEGMTKSRMVPFTQTADRLPR 451
..... 0
..... 0
SRYTDFDPLEMDQYSSLNQLSKSLAESASDLVDFKNTLSDKIRDTESLLLQQSRIQAEIQEGLMRTRLVPFSRLLPRLQR 1044
..... 0
..... 0
..... 0

logo

NTDB id 1419 SGL RS12550 WP 010873252.1
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 45793 SYNGTS RS02325 WP 014407071.1
NTDB id 1417 SGL RS04200 WP 014407071.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
consensus

A Y R E V S M K L N K K V N L E V E G G D V L I D K M I L E H L Y 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 G N Q T L I T V
AIREVSMKLNKKVNLEVEGGDVLIDKMLEHLYNPMTHLVNNAITHGIETPAERQKLGKSPEGHLAVRAFLQGNQTLITV 531
..... 0
..... 0
IVRQTSTALNRPAELFVNNTGEGELDRNILERLVTPLHMLRNAIDHGLEDRAQRQQANKPETGRIELNIQRQGTDVVVVF 1124
..... 0
..... 0
..... 0

logo

NTDB id 1419 SGL RS12550 WP 010873252.1
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 45793 SYNGTS RS02325 WP 014407071.1
NTDB id 1417 SGL RS04200 WP 014407071.1
NTDB id 1047 HON27 RS03110 WP 000389061.1
consensus

S D D G A G I N T E M V K Q K A V E K G 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 G V G L D V V R T S L I D I R G A I N I E S T V
SDDGAGINTEMVKQKAVEKGLISRMEAQSLSQSEVYDLLFHAGFSTKDTADDFAGRGVGLDVVRTSLIDIRGAINIESTV 611
..... 0
..... 0
SDDGQGIDVEKVRQKALLAGLIKP..EQDLEQQDILQLIFHPGLSTAEQVTQISGRGVGLDVVQSDIKSLGGHVSVESVY 1202
..... 0
..... 0
..... 0

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NTDB id 1419 SGL RS12550 WP 010873252.1	GRGTTFTIRLP	690
NTDB id 413 AAK55817.1 141..845()	TSICKALCCLSDRARI	0
NTDB id 374 SMU RS06885 WP 002262930.1	AFPM	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	MDGVEDTRDYL	1277
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	PKDI	0
NTDB id 1417 SGL RS04200 WP 014407071.1	EDGQKCVKYGKEALLLPLYPLKDLLN	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	YEN	0
consensus	GQGTTFTIRVPTTVA	

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NTDB id 1419 SGL RS12550 WP 010873252.1	QLSRG	769
NTDB id 413 AAK55817.1 141..845()	SVYGGKQ	0
NTDB id 374 SMU RS06885 WP 002262930.1	EEDVVRV	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	IIARGSSGNLLALQIDQVL	1354
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	EEEE	0
NTDB id 1417 SGL RS04200 WP 014407071.1	IVIKQIEGPIPKPPGIAGATVRGDGSIMPIADVLELI	0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus	NQPI	

logo

NTDB id 1419 SGL RS12550 WP 010873252.1	EIAQGR	848
NTDB id 413 AAK55817.1 141..845()	LRT.DSSGGLWRKTLTPTVNEVHMDPT	49
NTDB id 374 SMU RS06885 WP 002262930.1	VLIVDDSI	49
NTDB id 1046 HON27 RS03130 WP 168726941.1	TVRELLSLSFKKAGFRVEQARDGQEA	1427
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	WDLKSGLPC	49
NTDB id 1417 SGL RS04200 WP 014407071.1	DLV	49
NTDB id 1047 HON27 RS03110 WP 000389061.1		55
consensus	*****!*	

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NTDB id 1419 SGL RS12550 WP 010873252.1	FCDIEMPRKNGLELLSELQADEELSS	928
NTDB id 413 AAK55817.1 141..845()	IPVALLTSRGAD	126
NTDB id 374 SMU RS06885 WP 002262930.1	DRHRKVA	126
NTDB id 1046 HON27 RS03130 WP 168726941.1	AKLGATGYFTKPYTEKDILDAANRMLN	1506
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	GEVLLPGST	121
NTDB id 1417 SGL RS04200 WP 014407071.1	ILDLMLPEIDGLEVA	121
NTDB id 1047 HON27 RS03110 WP 000389061.1	KTIRK...TSSVPILMLS	127
consensus	AKDSEFDK	

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NTDB id 1419 SGL RS12550 WP 010873252.1	5ENSSSRLLIGDLsYPDAVAKKGTETLTHREFELLHLAHTGQVMTREHLLET	
NTDB id 413 AAK55817.1 141..845()	RKTNSI.LSRFKKARGNFSEEAPTIVRSNPGTL.....R.....STVLIIDDSVMVREMLSMTFKKADYHTTETARDGQDA	997
NTDB id 374 SMU RS06885 WP 002262930.1	Q.EADSKPQPI..QIGDLEIVPDAYVAKKYGEELDLTHREFELLYHLASHTGQVITREHLLET.....V	187
NTDB id 1046 HON27 RS03130 WP 168726941.1	AEENASGIPEI..IIGDLQILPDADFVAKKRGTEVELTHREFELLHHLATHTGQVMTREHLLET.....V	188
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	.....	1506
NTDB id 1417 SGL RS04200 WP 014407071.1		121
NTDB id 1047 HON27 RS03110 WP 000389061.1		121
consensus		127

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NTDB id 1419 SGL RS12550 WP 010873252.1	WGYDYFG...DVRTVDVTV...RRLREKIEDTPSR...PEYILT	
NTDB id 413 AAK55817.1 141..845()	EKLKSLPCLLILCITEMPRMNGLELLERIGEDNLSRIIVAMTSRGAQKMQRMAAEKAKFVRNNREETLLEASQ	1077
NTDB id 374 SMU RS06885 WP 002262930.1	WEKLSGLPCDLILCDIEMPRMNGLELLERIQEDPNLSRIPVAMITSRGAQKMQRMAAEKGAKGYFVKPYIEETLLEASQ	234
NTDB id 1046 HON27 RS03130 WP 168726941.1	WGYDYFG...DVRTVDVTV...RRLREKIEDTPSR...PEYILT.....RRGVGYMRNNA*.....	235
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	.....	1506
NTDB id 1417 SGL RS04200 WP 014407071.1		121
NTDB id 1047 HON27 RS03110 WP 000389061.1		121
consensus		127

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NTDB id 1419 SGL RS12550 WP 010873252.1	RLIRGEVLLDLAALSAD	1095
NTDB id 413 AAK55817.1 141..845()		234
NTDB id 374 SMU RS06885 WP 002262930.1	.....	235
NTDB id 1046 HON27 RS03130 WP 168726941.1	.....	1506
NTDB id 45793 SYNGTS RS02325 WP 014407071.1	.....	121
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	121
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	127
consensus	.....	

-  non conserved
-  similar
-  ≥ 50% conserved