

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 44331 SYNGTI RS02315 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 44331 SYNGTI RS02315 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 44331 SYNGTI RS02315 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 44331 SYNGTI RS02315 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 44331 SYNGTI RS02315 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 IYNT ^{MTS}	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 IYNTIEP	480
NTDB id 44331 SYNGTI RS02315 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	^{EPN} EWVATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEAEEELLE ^{PRIRLNNWYEESENERAITS} LYM	
NTDB id 413 AAK55817.1 141..845()	DPN.....PAQAFENWFEEEEGDDAFTSLI	28
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	EPEVVATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEAEEELLEGLDIDTLNIWVGEQENFAALNNLM	560
NTDB id 44331 SYNGTI RS02315 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	^{RYL} EHTLKGGANMVQATYLGLIAHELES IYERLIQKQLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRA	
NTDB id 413 AAK55817.1 141..845()	AGE.....	31
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	RYLHTLKGGANMVQATYLGLIAHELES IYERLIQKQLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRA	640
NTDB id 44331 SYNGTI RS02315 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 44331 SYNGTI RS02315 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	ANEQDIEAVVEQTFLEETTELLEMAESLLKQWFQRTNR.....S.....ILL.....	153
NTDB id 413 AAK55817.1 141..845()	ALFTDEDAPTTAIDPFESSSWLEIDQMMEADPLASIPETNAPAYQTAGGLDDNDLAEQLDQLLVGDVEP	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	ANEQDIEAVVEQTFLEETTELLEMAESLLKQWFQRTNR.....S.....ILL.....	763
NTDB id 44331 SYNGTI RS02315 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	.QLQRAVHSLKGGARMVGLAVQAIAYQLENAFEQFALHHFNSNIYDHLLESIAIWLKDAIFNHNHYQHFDGLQQSLENIQ	842
NTDB id 44331 SYNGTI RS02315 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	FATISHPFRLPVAMEEDEDKDLALLEQADSSLGGGIAGMGGARLPARP...RQVKRSFEQTMRVPIKQLDNLSNLI	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 44331 SYNGTI RS02315 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	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	
NTDB id 413 AAK55817.1 141..845()	GELVVKRNRL EQDQERLRQFLDNLLNQAQNLSDVGGRMQDLYERTLLEGALLASRSTNSRHHSSKTTYPDARITASSSST	371
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	.....	0
NTDB id 44331 SYNGTI RS02315 WP 014407071.1	GENSINRSRIEMDLSQFSHTLVEMELAIQRLADQLRRMEGELETQI.....IAKHGIEH	964
NTDB id 1417 SGL RS04200 WP 014407071.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		0

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NTDB id 1419 SGL RS12550 WP 010873252.1	S R Y Q 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 B Y K E S K S I T S Y L Y B E T E S Y L R T E S B Y T E T Q E G M T K S R M V P F T S T L A B R L P R	
NTDB id 413 AAK55817.1 141..845()	MNDQPLDALEMDRFTGFHLLSQEMIELIVRVRESASDIQYLVDETDQVARTLRQVTTQLQEGMTKSRMVPFTQTADRLPR	451
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	SRYTDFDPLEMDQYSSLNQLSKSLAESASDLVDFKNTLSDKIRDTESLLLQQSRIQAEIQEGLMRTRLVPFSRLLPRLQR	1044
NTDB id 44331 SYNGTI RS02315 WP 014407071.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		0

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NTDB id 1419 SGL RS12550 WP 010873252.1	A Y R E Y S K L N R K X N L E V N T B Y E L D R N I L E R L V T P L E H M L R 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	
NTDB id 413 AAK55817.1 141..845()	AIREVSMKLNKKVNLEVEGGDVLIDKMLEHLYNPMTHLVNNAITHGIETPAERQKLGKSPEGHLAVRAFLQGNQTLITV	531
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	.....	0
NTDB id 44331 SYNGTI RS02315 WP 014407071.1	IVRQTSTALNRPAELFVNNTEGELDRNILERLVTPLEHMLRNAIDHGLEDRAQRQQANKPETGRIELNIQRQGTDVVVVF	1124
NTDB id 1417 SGL RS04200 WP 014407071.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		0

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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 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	
NTDB id 413 AAK55817.1 141..845()	SDDGAGINTEMVKQKAVEKGLISRMEAQSLSQSEVYDLLFHAGFSTKDTADDFAGRGVGLDVVRTSLIDIRGAINIESTV	611
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	.....	0
NTDB id 44331 SYNGTI RS02315 WP 014407071.1	SDDGQGIDVEKVRQKALLAGLIKP..EQDLEQQDILQLIFHPGLSTAEQVTQISGRGVGLDVVQSDIKSLGGHVSVESVY	1202
NTDB id 1417 SGL RS04200 WP 014407071.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		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 44331 SYNGTI RS02315 WP 014407071.1	PKDI	0
NTDB id 1417 SGL RS04200 WP 014407071.1	EDGQKCVKYGKEALL	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	LLPLYPLKDLLN	0
consensus	YNGR	

logo

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	IIARGSSGNLL	1354
NTDB id 44331 SYNGTI RS02315 WP 014407071.1	LALQIDQVL	0
NTDB id 1417 SGL RS04200 WP 014407071.1	EEEE	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	IVIKQIEGPIPKPPGI	0
consensus	ATVRGDGSIMPIADVLELI	

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NTDB id 1419 SGL RS12550 WP 010873252.1	EIAQGR	848
NTDB id 413 AAK55817.1 141..845()	LRT.DSSGGLWRK	49
NTDB id 374 SMU RS06885 WP 002262930.1	TLPTVNEVHMDPT	49
NTDB id 1046 HON27 RS03130 WP 168726941.1	VLIVDDSI	1427
NTDB id 44331 SYNGTI RS02315 WP 014407071.1	TVRELLSLSFKK	49
NTDB id 1417 SGL RS04200 WP 014407071.1	KAGFRVEQARDGQ	49
NTDB id 1047 HON27 RS03110 WP 000389061.1	EAWDQLKSGLP	55
consensus	PCDLV	

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NTDB id 1419 SGL RS12550 WP 010873252.1	FCDIEMPRK	928
NTDB id 413 AAK55817.1 141..845()	NGLELLSEL	126
NTDB id 374 SMU RS06885 WP 002262930.1	LADEELSS	126
NTDB id 1046 HON27 RS03130 WP 168726941.1	IPVALLTSR	1506
NTDB id 44331 SYNGTI RS02315 WP 014407071.1	GA	121
NTDB id 1417 SGL RS04200 WP 014407071.1	DRHRKVA	121
NTDB id 1047 HON27 RS03110 WP 000389061.1	AKLGATGYFTKPYTEK	127
consensus	DILDAANRMLN	

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NTDB id 1419 SGL RS12550 WP 010873252.1	5ENSSSRLLIGDLsYPDAVAKKxGTEyDLTHREFELLyHLAHTGQVMTREHLLET	
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 44331 SYNGTI RS02315 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...RRLREK EDTPSR...PEYILT	
NTDB id 413 AAK55817.1 141..845()	EKLKSLPCLLLILCITEMPRMNGLELLERIGEDNLSRIIVAMTSRGAQKMQRMAAEKAKFVRNNREETLLEASQ	1077
NTDB id 374 SMU RS06885 WP 002262930.1	WEKLKSGLPCLDLILCDIEMPRMNGLELLERIQEDPNLSRIPVAMITSRGAQKMQRMAAEKGAKGYFVKPYIEETLLEASQ	234
NTDB id 1046 HON27 RS03130 WP 168726941.1	WGYDYFG...DVRTVDVTV...RRLREKIEDTPSR...PEYILT.....RRGVGYMRNNA*.....	235
NTDB id 44331 SYNGTI RS02315 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	RLIRGEVLLDLAALSADEx	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 44331 SYNGTI RS02315 WP 014407071.1	.....	121
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	121
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	127
consensus	.....	

- X

 non conserved
- x

 similar
- X

 ≥ 50% conserved