

logo

NTDB id 1419 SGL RS12550 WP 010873252.1	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIFVDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSAELAWT	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	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIFVDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSAELAWT	85
NTDB id 56166 MYO RS02340 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	VEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDNFKQKRAHTLDFRPLILLGQQLQQQSSLEPALEEELLQLSHTLMAETVTG	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	VEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDNFKQKRAHTLDFRPLILLGQQLQQQSSLEPALEEELLQLSHTLMAETVTG	170
NTDB id 56166 MYO RS02340 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	LELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAAEEHLATIHQFLDQELHQYDSYNALIRALHTLRGSSAMAQVETIFEAS	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	LELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAAEEHLATIHQFLDQELHQYDSYNALIRALHTLRGSSAMAQVETIFEAS	255
NTDB id 56166 MYO RS02340 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	TKVEHLFKILLQEELSSHSEEILLQYREFVRDSLELLSRYSSSEQLEARLLQFNQSWDAYVEQHGDRDPLMPSHGLVSQLLQ	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	TKVEHLFKILLQEELSSHSEEILLQYREFVRDSLELLSRYSSSEQLEARLLQFNQSWDAYVEQHGDRDPLMPSHGLVSQLLQ	340
NTDB id 56166 MYO RS02340 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	LDVSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEVLLDKPALLQSDYIFEIYQKAHQQLI	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	LDVSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEVLLDKPALLQSDYIFEIYQKAHQQLI	425
NTDB id 56166 MYO RS02340 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	QLFDALAAAGQRVGVVKQHQSI L EELKLYTQYTPDISNDLPQQDSTSFEPIYNIEPEPEVVA	6
NTDB id 413 AAK55817.1 141..845()	MTSDPN.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	QLFDALAAAGQRVGVVKQHQSI L EELKLYTQYTPDISNDLPQQDSTSFEPIYNIEPEPEVVA	510
NTDB id 56166 MYO RS02340 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	ISSTQVNRNFDADLLDIFLEEAEEELLEGRIRLNNVYEEENRALTSLMRYLHTLKGGANMVQATYLG	31
NTDB id 413 AAK55817.1 141..845()	PAQAFENWFEEEEGDDAFTSLIAGE.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	ISSTQVNRNFDADLLDIFLEEAEEELLEGRIRLNNVYEEENRALTSLMRYLHTLKGGANMVQATYLG	595
NTDB id 56166 MYO RS02340 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	QLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRAEQNSNQLVYLFBAFBAEELVLSQKYLS	60
NTDB id 413 AAK55817.1 141..845()	ETNSGIEELDFGDLFEGETVIQGEFGS.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	QLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRAEQNSNQLVYLFBAFBAEELVLSQKYLS	680
NTDB id 56166 MYO RS02340 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	EPALAELETHHDDQVFDTSYSELERPVEVMTTDFNLSPEEYRANEQDI EAVVERTFTERTETTYREFELRSSWFEBINREADPLA	
NTDB id 413 AAK55817.1 141..845()	PSSGEEDPPVRMTLDFNSPEAELD.....ALFTDEDAPTTAIDPFESSSWLEIDQMMEADPLA	118
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	EPALAELETHHDDQVFDTA VTELATPVEMITTVTSQENEVAANEQDIEAVVEQTFLEEATELLEMAESLLKQWFEQRTNR.....	759
NTDB id 56166 MYO RS02340 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	SIPETNAPAYQTAGGLDDNDLAEQLDQLLGVDVEPATISRYHSKGRMYELINMILAYSALENAFEQFAHHHNSNIDRYFL	
NTDB id 413 AAK55817.1 141..845()	SIPETNAPAYQTAGGLDDNDLAEQLDQLLGVDVEPAITNPGLHSFAGADRVTPLTNEVLL.FA.....AIDDL DGLINAPVL	194
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	S.....ILL.....QLQRAVHSLKGGARMVGL EAVQAIAYQLENAFEQFALHHFNSNIYDHL	812
NTDB id 56166 MYO RS02340 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	DEEFSF.....TELETLIDTPAPKSFATISHPPFRLPVAMEEDEDEFKDLEALLEQADSSLGGGIAGMGGARLPARP...R	266
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	ESAI AWLKDAIFNHNHYQHFDGLQQSLENIQF..FETTIQIPTKLTRA.DLFSS.EP.....VMTFIQGDGTEPPPPMGAW EQ	885
NTDB id 56166 MYO RS02340 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	QVKSRSF EQTMRVPIKQLDNLNLIGELVVKRNRLEQDQERLRQFLDNLNQAQNLSDVGGRMQDLYERTLLEGALLASRSTNSR	351
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	TERLDQNNEMIRVSADLIEKMIDLSGENSINRSRIEMDLSQFSHTLVEMELAIQRLADQLRRMEGELETQI.....	956
NTDB id 56166 MYO RS02340 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	HHSSKTTYPDAR AKFSTETSRYSBFDALVMDYSSFNPLSRMAEAYBYKFKSTISDYBETESYKPSRBYGAEYQEGMR	
NTDB id 413 AAK55817.1 141..845()	HHSSKTTYPDARITASSSSTMNDQPLDALEMDRFTGFHLLSQEMIELIVRVRESASDIQYLVDETDQVARTLRQVTTQLQEGMTK	436
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	IAKHGIEHSRYTDFDPLEMDQYSSLNQLSKSLAESASDLVDFKNTLSDKIRDTESLLLQQSRIQAEIQEGLMR	1029
NTDB id 56166 MYO RS02340 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	IRLVPFISTABRLPRAYREYSKLNRRXELVNNTEVEYDRNILERLVTPMEHLYRNAIIGHGEPAERQRLKPEEGRIYRAE	
NTDB id 413 AAK55817.1 141..845()	SRMVPFTQTADRLPRAIREVSMKLNKKVNLEVEGGDVLIDKMLEHLYNPMTHLVNNAITHGIETPAERQKLKGSPEGHLAVRAF	521
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	TRLVPPFSRLLPRLQRIVRQTSTALNRPALFVNNTGELDRNILERLVTPLEHMLRNAIDHGLEDRAQRQQANKPETGRIELNIQ	1114
NTDB id 56166 MYO RS02340 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	EQGRSYYYYSDDGGRGIDYEVVRQKAYELGLIRMEAQBLEQSYBILFHRGISTKEXDBIRGRGVGLDWBSBIFBISGAYS	
NTDB id 413 AAK55817.1 141..845()	LQGNQTLITVSDDGAGINTEMVKQKAVEKGLISRMEASLSQSEVYDLLFHAGFSTKDTADDFAGRGVGLDVVRTSLIDIRGAIN	606
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	RQGTDVVVVVSDDGQGIDVEKVRQKALLAGLIKP..EQDLEQQDILQLIFHPGLSTAEQVTQISGRGVGLDVVQSDIKSLGGHVS	1197
NTDB id 56166 MYO RS02340 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	YESYGRGTTFTIRYPTIYYSKALMVRBSIAAPRQYESTBYEPKSYEDFESQELFEEREALLLREYPLRYLENYMR	
NTDB id 413 AAK55817.1 141..845()	IENTVGKGTTFTIRLPLTLSICKALCCLSDRARIAFPMDGVEDTRDYLPKDIVTD.EDGQKCVKYGKEALLLPLYPLKDLLNYNR	690
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	VESVYGQGTTFITIRVPTTVAVSDALMVKVADQQFAIPLAQIDRIIRVSPASLEQYFESPQELFEYEN....KRYPLRYLSEFVG	1277
NTDB id 56166 MYO RS02340 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	RLRRTFRRFNGGckkQEEEDSYFVIMARANNSGRTYALEYDQYLGEESQIVVKP EGRFRRPEX AGATYRGDGSYMP ADYQNTARETAQS	774
NTDB id 413 AAK55817.1 141..845()	QLSRGGSVYGGKQEEDVVRVVIARGSSGNLLALQIDQVLGEEE.IVIKQIEGPIPKPPGIAGATVRGDGSIMPIADVLELIEIAQG	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	NQPIPRNLNG...VMYSLPVLMIKANNGQTVALLVDQLIGSRAQIVVKPIGQQFSSIGAIAGATILGDGQVCLILDGQNIARQIQS	1359
NTDB id 56166 MYO RS02340 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	RLRRTFRRFNGGckkQEEEDSYFVIMARANNSGRTYALEYDQYLGEESQIVVKP EGRFRRPEX AGATYRGDGSYMP ADYQNTARETAQS	858
NTDB id 413 AAK55817.1 141..845()	RLRT.DSSGGLWRKTLTPTVNEVHMDPTVLIVDDSIIVRELISLSFKKAGFRVEQARDGQEAWDQLKSGLPCDLVFCDIEMPRKN	59
NTDB id 374 SMU RS06885 WP 002262930.1	MKKLIVDDEKPISDIIFKNITKEGYEVVTAFTNGREALEQFEAEQP.DIITILDLMLEID	59
NTDB id 1046 HON27 RS03130 WP 168726941.1	MKKLIVDDEKPISDIIFKNITKEGYDTITAFDGREALSKYEEENP.DLIITILDLMLEID	1437
NTDB id 56166 MYO RS02340 WP 014407071.1	TQRHKQLSEAVY.....RQRESDEERRLIMIVDDSVTVRKVTSRLERQGYDVVTAKDGVDAIEQLENIKP.DLMILDIEMPRMD	59
NTDB id 1417 SGL RS04200 WP 014407071.1	MNAVLVEDSSSQREMISGILKDHGWQVTIACDGVAEALEKLQNFSP.DLVVLDIVMPRMN	59
NTDB id 1047 HON27 RS03110 WP 000389061.1	MNAVLVEDSSSQREMISGILKDHGWQVTIACDGVAEALEKLQNFSP.DLVVLDIVMPRMN	65
consensus	MEDAFQNLKVMVIVDDSKTIRRTAETLLQREGCEVITAVDGFALSKITAEANP.DIVFVDIMPRLD	

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NTDB id 1419 SGL RS12550 WP 010873252.1	GLEVLSEIQADEELSSIPVALLISGADRHRKVAAKLGATGYFTKPYTEKDILDAANRMINGEVLLPGSTRKTNSI.LSRFKKAR	942
NTDB id 413 AAK55817.1 141..845()	GLEVAKTIRK...TSSVPILMLSAKDSEFDXVIGLELGADDYVTKPFSNRELQARVKALLRRSQMPVDGQ.EADSKPQPI..QI	138
NTDB id 374 SMU RS06885 WP 002262930.1	GLEVAKEVRK...NSHVPIIMLSAKDSEFDXVIGLEIGADDYVTKPFSNRELLARVKAHLRRTENIESAVAEENASGIPEI..II	139
NTDB id 1046 HON27 RS03130 WP 168726941.1	GFEVLNLVRHHDHMQYMPITIMITSRTGEKHRERAFSLGVSQYMGKPFQEEELLENIDALLVAFESEVKS.....	1506
NTDB id 56166 MYO RS02340 WP 014407071.1	CYEVCHRIKSDPKTKNVPVIMCSSKGEEFDRFWGMRQGADAYIAKPFQPMELVGTIKQLLRN.....	121
NTDB id 1417 SGL RS04200 WP 014407071.1	CYEVCHRIKSDPKTKNVPVIMCSSKGEEFDRFWGMRQGADAYIAKPFQPMELVGTIKQLLRN.....	121
NTDB id 1047 HON27 RS03110 WP 000389061.1	CYQTCALIKANSQNYQNIIPVIMLSSSKDGLFDQAKGRVVGSDIYLTKPFSKDELLNATRNHVSS.....	127
consensus	!*** * ** *!****** ***** * * *!* * !*!!* * ***** ** ** *	

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NTDB id 1419 SGL RS12550 WP 010873252.1	GNFSEEAFTIVRSNPGTL.....R.....STVLIIDDSVMVREMLSMTFKKADYHTETARDGQDAWEKLLKSGLPCLDILCDIEMP	1017
NTDB id 413 AAK55817.1 141..845()	GDLEIVPDAYVAKKYGEELDLTHREFELLYHLASHTGQVITREHLLT.....VWGYDYFG...DVRTVDVTV.	203
NTDB id 374 SMU RS06885 WP 002262930.1	GDLQILPDFAFVAKKRGTEVELTHREFELLHHLATHTGQVMTREHLLT.....VWGYDYFG...DVRTVDVTV.	204
NTDB id 1046 HON27 RS03130 WP 168726941.1	.....	1506
NTDB id 56166 MYO RS02340 WP 014407071.1	.....	121
NTDB id 1417 SGL RS04200 WP 014407071.1		121
NTDB id 1047 HON27 RS03110 WP 000389061.1		127
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	RMNGLELLERIQEDPNLSRIPVAMITSRGAQKMQRMAAEKGA	1095
NTDB id 413 AAK55817.1 141..845()	RRLREKIEDTPSR...PEYILT.....RRGVGYMRNNA*	234
NTDB id 374 SMU RS06885 WP 002262930.1	RRLREKIEDTPSR...PEYILT.....RRGVGYMKS	235
NTDB id 1046 HON27 RS03130 WP 168726941.1	.....	1506
NTDB id 56166 MYO RS02340 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