

logo

	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIFVDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSA	
NTDB id 1419 SGL RS12550 WP 010873252.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIFVDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSA	80
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1100956 ACM1PF RS27825 WP 106170231.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDFNKQKRAHTLDFRPLILLGQQLQQQSLLEPALEELLQLS	
NTDB id 1419 SGL RS12550 WP 010873252.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDFNKQKRAHTLDFRPLILLGQQLQQQSLLEPALEELLQLS	160
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1100956 ACM1PF RS27825 WP 106170231.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR	
NTDB id 1419 SGL RS12550 WP 010873252.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR	240
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1100956 ACM1PF RS27825 WP 106170231.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQYREFVRDSLELLSRYSSSEQLLEARLLQFNQSWDAYVEQ	
NTDB id 1419 SGL RS12550 WP 010873252.1	.....	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQYREFVRDSLELLSRYSSSEQLLEARLLQFNQSWDAYVEQ	320
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1100956 ACM1PF RS27825 WP 106170231.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	HGDRTDPLMP SHGLVSQLQLD VSELDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	HGDRTDPLMP SHGLVSQLQLD VSELDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	400
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1100956 ACM1PF RS27825 WP 106170231.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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NTDB id 1419 SGL RS12550 WP 010873252.1	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVQKQHSILEELKLYTQYTPDISNDLPQQDSTSFEP IYNI ^{MTS}	3
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVQKQHSILEELKLYTQYTPDISNDLPQQDSTSFEP IYNI ^{EP}	480
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1100956 ACM1PF RS27825 WP 106170231.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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NTDB id 1419 SGL RS12550 WP 010873252.1	^{EPN} EWATVENFSDSADWAVLGGSVQQDRQYISSTQVNRNFDADLLDIFLEEAEELLE ^{PRIRFNNWYEEENEDAFHNSLM}	28
NTDB id 374 SMU RS06885 WP 002262930.1	DPN.....PAQAFENWFEEEEGDDAFTSLI	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	EPEVVATVENFSDSADWAVLGGSVQQDRQYISSTQVNRNFDADLLDIFLEEAEELLE ^{PRIRFNNWYEEENEDAFHNSLM}	560
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1100956 ACM1PF RS27825 WP 106170231.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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NTDB id 1419 SGL RS12550 WP 010873252.1	^{RYL} EHTLKGGANMVQATYLGLIAHELES ^{RYL} IYERLIQKQLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRA	31
NTDB id 374 SMU RS06885 WP 002262930.1	AGE.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	RYLHTLKGGANMVQATYLGLIAHELES ^{RYL} IYERLIQKQLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRA	640
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1100956 ACM1PF RS27825 WP 106170231.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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NTDB id 1419 SGL RS12550 WP 010873252.1	EQNSNLFEELEBYMBAFBAEPEVLSQEKYLSSEITIDEIPVELEPALAELETHHDQVFDTSYGELEKIPVEMITLDYNSPEAEYR	84
NTDB id 374 SMU RS06885 WP 002262930.1	ETNSGIEELDFGDLFEGETPTVIQEGEGFS.....PSSGEEDPPVRMTLDFNSPEAELE	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GQNSNFQPLPVVEAFDAESEVFSEKQVISEIIIDEIPVELEPALAELETHHDQVFDTAVTELATPVEMITTVTSQENEVA	720
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1100956 ACM1PF RS27825 WP 106170231.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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NTDB id 1419 SGL RS12550 WP 010873252.1	ANEQDI EAVVEALFTLEERTETLEMYRESLESSWLEPQINRMEADPLASIPETNAPAYQTAGGLDDNDLLELQDLLGVGDVEP	153
NTDB id 374 SMU RS06885 WP 002262930.1	.....ALFTDEDAPTTAIDPFESSSWLEIDQMMEADPLASIPETNAPAYQTAGGLDDNDLAEQLDLLGVGDVEP	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	ANEQDIEAVVEQTFLEEATELLEMAESLLKQWFEQRTNR.....S.....ILL.....	763
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1100956 ACM1PF RS27825 WP 106170231.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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NTDB id 1419 SGL RS12550 WP 010873252.1	AQTRPXYHSHKGAARMYELINYLKYSALENAFEQFATDDFDLNAHLLBEFISWFLKDAIFNHNYQHFBILOSLPERKS	214
NTDB id 374 SMU RS06885 WP 002262930.1	AITNPGHLHSFAGADRVTPLTNEVLL.FA.....AIDDLGLINAPVLDEEFSF.....TELETLIDTPAPKS	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	.QLQRAVHSLKGGARMVGLEAVQAIAYQLENAFEQFALHFNNSNIYDHLLESIAIWLKDAIFNHNYQHFDGLQQSLENIQ	842
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1100956 ACM1PF RS27825 WP 106170231.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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NTDB id 1419 SGL RS12550 WP 010873252.1	FATFETTFSTPYKTEEREDEFRLLEALLEQADSSLYMTFISGIGTEFPNREBIVRFSNSQYRVKIKTEKLSNLS	291
NTDB id 374 SMU RS06885 WP 002262930.1	FATISHPFRLPVAMEEDEDKLEALLEQADSSLGGGIAGMGGARLPARP...RQVKSRSFEQTMRVPIKQLDNLSNLI	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	F..FETTIQIPTKLTRA.DLFSS.EP.....VMTFIQGDGTEPPPMGAWEQTERLDQNNEMIRVSADLIEKMIDLS	910
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 1100956 ACM1PF RS27825 WP 106170231.1	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
consensus	0

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 NTDB id 1100956 ACM1PF RS27825 WP 106170231.1
 NTDB id 1417 SGL RS04200 WP 014407071.1
 consensus

GRGTTFTIRYPITYSYEBALMYSRBSBFAFPLRSYBTRBVSFKSTYDGFESBQKELYEYENEALLLRYPLRYLSEFYS
 GKGTFTTIRLPLTLISICKALCCLSDRARIAPMDGVEDTRDYLPKDIVTD.EDGQKCVKYGKEALLLPLYPLKDLLNYNR 690
 0
 0
 GQGTFTTIRVPTTAVSDALMVKVADQQFAIPLAQIDRIIRVSPASLEQYFESPQELFEYEN.....KRYPLRYLSEFVVG 1277
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 0
 0

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NTDB id 1419 SGL RS12550 WP 010873252.1
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 NTDB id 413 AAK55817.1 141..845()
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 NTDB id 1100956 ACM1PF RS27825 WP 106170231.1
 NTDB id 1417 SGL RS04200 WP 014407071.1
 consensus

RSPRESYNGGKQYMYVIVMARRASSGRTYALQYDQYTGEEAEIVYKPIESPPSPPEAIGATYRGGDSYMPIDYMENTA
 QLSRGSVYGGKQEEDVVRVVIARGSSGNLLALQIDQVLGEE.EIVIKQIEGPIKPPPGIAGATVRGDGSIMPIADVLELI 769
 0
 0
 NQPIPRNG...VMYSLPVLMIKANNGQTVALLVDQLIGSRAQIVVKPIGQFSSIGAIAGATILGDGQVCLILDGQNI 1354
 0
 0
 0

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 NTDB id 1417 SGL RS04200 WP 014407071.1
 consensus

EIAQGRRLT.DSSGGLWRKTLTPTVNEVHMDPTVLIVDDSIITVRELLSLSFKKAGFRVEQARDGQEAWDQLKSGLPCLDV 848
MKKILIVDDEKPISDIIKFNLAKEGYDTITAFDGREALSKEYEEN.PDLI 49
MKKILIVDDEKPISDIIKFNMTKEGYEVVTAENGREALEQFEAEQ.PDII 49
 RQIQSTQRHKQLSEAVY.....RQRESDETRLIMIVDDSVTVRKVTSRLLERQGYDVVTAKDGVDATEQLENIK.PDLM 1427
MEDAFQNLKVMVIVDDSKTIRRTAETLLQREGCEVITAVDGFALSIAEAN.PDIV 55
MSTVLVVEDSVTQREMITDLLKGSGLTVTVAGDGVVEALEKIQQQR.PDLV 49
MNAVLLVEDSSSQREMISSGILKDHGWVTTIACDGVVEALEKLQNFSPDLV 49
 * ****!* ***** ** * !*****! *! *!***** *!***

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NTDB id 1419 SGL RS12550 WP 010873252.1
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 consensus

YLDIMMPRMDGYEVCRRIRADKTSYVIMLSSKGFDRVWMLKADYTKPFSPELLTYKALLR 928
 FLDLMLPELDGLEVAKEVR...KNSHVPIIMLSAKDSEFDKVIIGLEIGADDYVTKPFSNRELLARVKAHLRRTENIESAV 126
 ILDLMLPELDGLEVAKTIR...KTSSVPILMLSAKDSEFDKVIIGLEIGADDYVTKPFSNRELQARVKALLRRSQMPVVDG 126
 LLDIEMPRMDGFEVLNLRVHDMHQMPIIMITSRTGKHRERAFSLGVSQYMGKPFQEEELLENIDALLVAFSEVKS. 1506
 FVDIMMPRLDGYQTCALIKNSQNYQNIIPVIMLSSKDFDQAKGRVVGSEYLTKPFKDELLNAIRNHVSS..... 127
 VLDIEMPRMDGYEVCRRIRKADPKTQHVPVVMCSSKGEFDRYWGKQADAYIAKPFQPTLVGTIVKQLLRG..... 121
 VLDIEMPRMDGYEVCRRIRKSDPKTKNVVPMVIMCSSKGEFDRFWGMRQADAYIAKPFQPMELVGTIKQLLRN..... 121
 *!***!***!*** * ** * *!***** ***** ** *!***!***!*** ***** ** **

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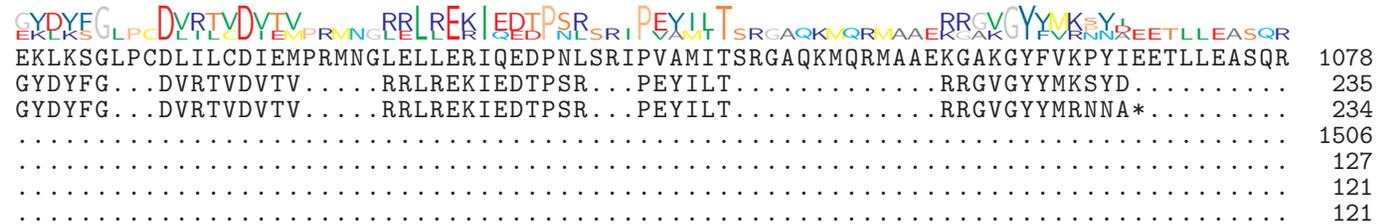
NTDB id 1419 SGL RS12550 WP 010873252.1
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 NTDB id 1417 SGL RS04200 WP 014407071.1
 consensus



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 NTDB id 413 AAK55817.1 141..845()
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 NTDB id 1100956 ACM1PF RS27825 WP 106170231.1
 NTDB id 1417 SGL RS04200 WP 014407071.1
 consensus



non conserved
 similar
 ≥ 50% conserved