

logo

NTDB id 1143 A1552VC RS01965 WP 001883436.1	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIVFDLQPLINKWQSENIATLTEIRRHFTLKGSGRMIGAKSSA	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIVFDLQPLINKWQSENIATLTEIRRHFTLKGSGRMIGAKSSA	80
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 310630 DOB54 RS14630 WP 117295262.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus	0

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NTDB id 1143 A1552VC RS01965 WP 001883436.1	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDFNFKQKRAHTLDFRPLILLGQQLQQQSLEPALEELLQLS	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDFNFKQKRAHTLDFRPLILLGQQLQQQSLEPALEELLQLS	160
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 310630 DOB54 RS14630 WP 117295262.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus	0

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NTDB id 1143 A1552VC RS01965 WP 001883436.1	HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR	240
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 310630 DOB54 RS14630 WP 117295262.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus	0

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NTDB id 1143 A1552VC RS01965 WP 001883436.1	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQEYREFVDRSLELLSRYSSSEQLERLLQFNQSWDAYVEQ	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQEYREFVDRSLELLSRYSSSEQLERLLQFNQSWDAYVEQ	320
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 310630 DOB54 RS14630 WP 117295262.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus	0

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NTDB id 1143 A1552VC RS01965 WP 001883436.1	HGDRTDPLMP SHGLV S QLLQLD V S ELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	HGDRTDPLMP SHGLV S QLLQLD V S ELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	400
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 310630 DOB54 RS14630 WP 117295262.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus	0

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NTDB id 1143 A1552VC RS01965 WP 001883436.1	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAAGQRVGVVVKQHSILEELKLYTQYTPDISNDLPQQDSTSFEP IYNI EP	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAAGQRVGVVVKQHSILEELKLYTQYTPDISNDLPQQDSTSFEP IYNI EP	480
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 310630 DOB54 RS14630 WP 117295262.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus	0

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NTDB id 1143 A1552VC RS01965 WP 001883436.1	EPEVVATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEAEELEGG..IDTDLNIWVGEQENFAALNN	46
NTDB id 1046 HON27 RS03130 WP 168726941.1	EPEVVATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEAEELEGG..IDTDLNIWVGEQENFAALNN	558
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 310630 DOB54 RS14630 WP 117295262.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus	0

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NTDB id 1143 A1552VC RS01965 WP 001883436.1	LIMFRFYRKQKFKRLQNTLMAAFLALSIIPL.....TITALLFHLHSHKDLQQSTSYLVSVRDNKQQQVI	112
NTDB id 1046 HON27 RS03130 WP 168726941.1	LMRYLHTL....KGGANMVQATYLGLIAHELES IYERLIQKQLVVTSDLIDFIRLVQDDLADR....LQIM....REQQL	626
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 310630 DOB54 RS14630 WP 117295262.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus	0

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	DYMMFYETEXMKRAGQNSNFYRSPVLEAYRSEEEFFSELYNXISEIIFBETVSEERAAALAELEEADRFDTAVTELATPV	
NTDB id 1143 A1552VC RS01965 WP 001883436.1	DYMMAKESEVM.....GFVRS..ELAYASGGRFYGLVNA.....FQRLDVSIEA....AREHAQQRYYITG.....	166
NTDB id 1046 HON27 RS03130 WP 168726941.1	DYAAPYTINALKRAGQNSNFQPLPVVEAFDAESEVFSEQKVISEIIDEIPVELEPALAELETHHDQVFDTAVTELATPV	706
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 310630 DOB54 RS14630 WP 117295262.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus		

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	EMITTVTSQENEVAANEDD EAWVEQSYLEESTISYYSEFYSLKQWFERRYNWSYLLQLRSVHSLKGGARMVDFERYE	
NTDB id 1143 A1552VC RS01965 WP 001883436.1	.....SGDQIK....TSVLPQSSSYVGSERYRLLH....KRYHWAYLELLKRS.....DFDDIL	212
NTDB id 1046 HON27 RS03130 WP 168726941.1	EMITTVTSQENEVAANEQDIEAVVEQTFLEEATELLEMA.ESLLKQWFEQRTNRSILLQLQRAVHSLKGGARMVGLEAVQ	785
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 310630 DOB54 RS14630 WP 117295262.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus		

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	KYRYSLNWYFYKYHFNLYLHLESAIAWLKDAIFNHNHYQHFDFGLQSLYENIQFFETTIIQIPKLRADLFISYVY	
NTDB id 1143 A1552VC RS01965 WP 001883436.1	LVDIDGNVVYSIYKYDNFGTNLLTGK.....YQDTNLGHTFKRL...EQTV.....NEQRKTNEDFTPVVI	270
NTDB id 1046 HON27 RS03130 WP 168726941.1	AIAYQLENAFEQFALHHFNNSNIYDHLLESIAIAWLKDAIFNHNHYQHFDGLQSSLENIQFFETTIIQIPTKLTRADLFSSEPV	865
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 310630 DOB54 RS14630 WP 117295262.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus		

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	SDFYQEDGTEPPPMGAWLSETEITQQGYLHSMRYSPNLIKMLRESSESNRSTLYGSSPRTLYSAEIAVEKS	
NTDB id 1143 A1552VC RS01965 WP 001883436.1	SDFVQEDGKQY....AWLGAPIIQGYLHSYAMFRLPSNAITKLIAEGSSNPSM.QTILVGDHRSRTLTSAEIAVEKS	344
NTDB id 1046 HON27 RS03130 WP 168726941.1	MTFIQGDGTEPPPMGAWEQTERL....DQNNEMIRVSADLIEKMLDLSGENSINRSRIEMDLSQFSHTLV.....	932
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 310630 DOB54 RS14630 WP 117295262.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus		

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NTDB id 1143 A1552VC RS01965 WP 001883436.1	KAVVDLALSGKRAVGTYTNTDGEQIIAAYAPINLKNIHVALVVELPEKEAFARVRQLEKLFVVFAMLTAIIVLVVVIASHYLS	424
NTDB id 1046 HON27 RS03130 WP 168726941.1	...EMELAIQRLADQLRRMEGELETQIIAKHGIEHSRYTDF.DPLEMDQYSSLNQLSKSLAESA...SDLVDFK.NTLS	1003
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 310630 DOB54 RS14630 WP 117295262.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus		

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NTDB id 1143 A1552VC RS01965 WP 001883436.1	NFITSPLLKLTWAAERVSAGDLDEAMINTERKDEIGRLAVSFERMQRSIRESKISLIKSQNKELSNLLIIRKQNDLQLA	504
NTDB id 1046 HON27 RS03130 WP 168726941.1	DKIRDTE.SLLLQQSRIQ.AEIQEGLMRT.RLVPFSSR...LLPRLQRIVRQTSTALNRP.....AE.LFVN..NTEGELD	1069
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 310630 DOB54 RS14630 WP 117295262.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus		

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NTDB id 1143 A1552VC RS01965 WP 001883436.1	NKLNKDEFLLATTSHELRTPLHGMIGIAE..AL.....ISGANPISAHRYQLDIISSGQRLA.TLVDD..LLDYHKMRY	574
NTDB id 1046 HON27 RS03130 WP 168726941.1	RNIL.....ERLVTPLHMLRNAIDHGLEDRAQRQQANKPETG..RIELNIQR.QGTDVVVVVFSDDGGQIDVEKVRQ	1138
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 310630 DOB54 RS14630 WP 117295262.1	0
NTDB id 1047 HON27 RS03110 WP 000389061.1	0
consensus		

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NTDB id 1143 A1552VC RS01965 WP 001883436.1	GALDI..QRCAVDLSSATRLVLELSHLLGKKTTLRIINQVSEQPVVVS...ADPQRLE..QVLYNLIGNAIKYTSEGKIV	647
NTDB id 1046 HON27 RS03130 WP 168726941.1	KALLAGLIKPEQDLEQQDILQLIFHP...GLSTAEQVTQISGRGVGLDVVQSDIKSLGGHVSVESVYGGTTFTIR...V	1212
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	0
NTDB id 310630 DOB54 RS14630 WP 117295262.1	0
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 NTDB id 310630 DOB54 RS14630 WP 117295262.1
 NTDB id 1047 HON27 RS03110 WP 000389061.1
 consensus

FTATYXYSDKYRVRVXDSSFA|PLEQTER|FEYSPASLEQYFESQELFEYENSRYPBRAYLSEFYSRQELIERYNGYLYS
 ISATYIDDKVRVQVVDVTGGIPAEQLEHIFEPL.....IQAG.....HDASRYRQGAGLGLSISRQLIELMHGTTYVS 715
 PTTVAVSDALMVKVADQQFAIPLAQIDRIIRVSPASLEQYFESPQELFEYENKRYPLR.YLSEFVGNQPIPRNLNGVMYSL 1291
 0
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 0
 0
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NTDB id 1143 A1552VC RS01965 WP 001883436.1
 NTDB id 1046 HON27 RS03130 WP 168726941.1
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 NTDB id 310630 DOB54 RS14630 WP 117295262.1
 NTDB id 1047 HON27 RS03110 WP 000389061.1
 consensus

SYEMIKANNNGQTVALLVDQLIGSRAQIVVKPYGQIFSTPLPASEEETASBYTETLDGQNIAPHFQSTQEVLDKELSEY
 SQPM.....VGTTFSTLPLASEEEIAQARLTEL.....PHFQAPEVLDSELP.EQ 760
 PVLMIKANNGQTVALLVDQLIGSRAQIVVKPIGQQFSSIGAIAGATILGDGQVCLILDGQNIARQIQSTQ.RHKQLSEAV 1370
 0
 0
 0
 0
 0

logo

NTDB id 1143 A1552VC RS01965 WP 001883436.1
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 NTDB id 1047 HON27 RS03110 WP 000389061.1
 consensus

SNLPENEHGPLLLVADDEPVNLRVLDLDFLRLEGRVHTAQDGHQVLEAIKREKPELVLLDIMPPGMSGYQVCEKLRQTYD 840
 YRQRESDEKRLIMIVDDSVTVRKVTSRLLERQGYDVTAKDGDVDATEIQLENIKPDLMLLDIEMPRMDGFVNLNLRHHDM 1450
MKKILIVDDEKPISDIKFNLAKEGYDTITAFDGREALSKEYEENPDLIILDMLPELDGLEVAKEVR...K 69
MKKILIVDDEKPISDIKFNMTKEGYEVVTAFNGREALEQFEAEQPDITIIDLMLPELDGLEVAKTIR...K 69
MNAVLLVEDSSSQREMISGILKDHGWQVTIACDGVLEAKLQNFSPDLVVDIVMPRMNGYEVCRRIKSDPK 72
MVIDDSQTIIRRTAETLLAREGYQVITAQDGFLEASKVADYQPDLIIFIDIMMPRLDGYQACALIKANPK 68
 ..MEDAFQNLKVMVIDDSKTIIRRTAETLLQREGCEVITAVDGFLEASKIAEANPDIVFVDIMMPRLDGYQTCALIKNSQN 78
 *****! * ***** * * *!*****! *! ***** *!*****!*****!*****!***** ** *

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NTDB id 1143 A1552VC RS01965 WP 001883436.1
 NTDB id 1046 HON27 RS03130 WP 168726941.1
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 NTDB id 1047 HON27 RS03110 WP 000389061.1
 consensus

HAELPIIMLTALNQSDDRVRGFEAGANDYLSKPFNKQELAAARIVAHLTASKAELRRIENAQLQKELKHRAMVEASLLETQ 920
 HQYMPIIMITSRTGKHRERAFSLGVSQYMGKPFQEEELLENIDALLVAFSEVKS..... 1506
 NSHVPIIMLSAKDSEFDKVIKLEIGADDYVTKPFSNRELLARVKAHLRRTENIESAVAEENA.....SGIP 135
 TSSVPIIMLSAKDSEFDKVIKLEIGADDYVTKPFSNRELQARVKALLRRSQMPVVDGQ.EAD.....SKPQ 134
 TKNVPVIMCSSKGEEFDRFWMRQGADAYIAKPFQPMELVGTIKQLLRN..... 121
 FQRTVPVIMLSSKDGFLDRARGRIVGSDEYLTKPFTRDELLGAVRAHVRK..... 117
 YQNIPVIMLSSKDGFLDQAKGRVVGSDYLTKPFSKDELLNAIRNHVSS..... 127
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