

logo

NTDB id 1046 HON27 RS03130 WP 168726941.1	MKEILKTLTEAMTLPEDSYSEQDAEFLEIFIEEIEEIFVDLQPLINKWMQSENIATLTEIRRHFTLKGSGRMIGAKSSA	80
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDFNFKQKRAHTLDFRPLILLGQQQLQQQSLEPALEELLQLS	160
NTDB id 374 SMU RS06885 WP 002262930.1	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDFNFKQKRAHTLDFRPLILLGQQQLQQQSLEPALEELLQLS	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAAEHLATIHQFLDQELHQYDSYNALIRALHTLR	240
NTDB id 374 SMU RS06885 WP 002262930.1	HTLMAETVTGTGLELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAAEHLATIHQFLDQELHQYDSYNALIRALHTLR	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQYREFVDRSLELLSRYSSSEQLEARLLQFNQSWDAYVEQ	320
NTDB id 374 SMU RS06885 WP 002262930.1	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQYREFVDRSLELLSRYSSSEQLEARLLQFNQSWDAYVEQ	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	HGDRTDPLMPSHGLVSQLQLLDVSELDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	400
NTDB id 374 SMU RS06885 WP 002262930.1	HGDRTDPLMPSHGLVSQLQLLDVSELDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMLGLHEYTSQLKESYEV	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVKQHQSIILEELKLYTQYTPDISNDLPQQDSTSFEPINYNIIEP	480
NTDB id 374 SMU RS06885 WP 002262930.1	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVKQHQSIILEELKLYTQYTPDISNDLPQQDSTSFEPINYNIIEP	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	.....	0
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	EPEVWATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEAEEELLE...IDTDLNIWVGEQENFAALNN	558
NTDB id 374 SMU RS06885 WP 002262930.1	EPEVWATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEAEEELLE...IDTDLNIWVGEQENFAALNN	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	MRLCPRFSLDLLVKVKKLVNFVTLGFSCLSPTHAWRSPQ.SFTESNT	46
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	LMRYLHTL...KGGANMVQATYLGLIAHELESYIERLIQKQLVVTSDLIDFIRLVQDDLADR...LQIM...REQQL	626
NTDB id 374 SMU RS06885 WP 002262930.1	LMRYLHTL...KGGANMVQATYLGLIAHELESYIERLIQKQLVVTSDLIDFIRLVQDDLADR...LQIM...REQQL	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	LIMFRFYRKQKFKRLQNTLMAAFLALSIIPL.....TITALFFLHSHSKDLEQQSTSYLVSVRDNKQQQVI	112
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	DYAAAKEEALKRAQNSNFQPLPVVEAFDAESEVFSEQKVISEIIIDEIPVELEPALAELETHHDQVFD	706
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	DYMAKESEVM.....GFVRS..ELAYASGGRFYGLVNA.....FQRLDVSIEA....AREHAQQR	166
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
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NTDB id 1046 HON27 RS03130 WP 168726941.1	EMITTVTSQENEVAANEQDIEAVVEQTFLEEATELLEMA.ESLLKQWFEQRTNRSILLQLQRAVHSLKGGARMV	785
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	SGDQIK....TSVLPQSSSYVGSERYLLH....KRYHWAYLELLKRS.....DFDDIL	212
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	AIAYQLENAFEQFALHHFNSNIYDHLLESIAIWLKDAIFNHNHYQHFDGLQSSLENIQFFETTIIQIPTKLTRADLFSSEP	865
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	LVDIDGNVVYSIYKYDNFGTNLLTGK.....YQDTNLGHTFKRL...EQTV.....NEQRKTNE	270
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	MTFIQGDGTEPPPMGAWEQTERL....DQNNEMIRVSADLIEKMIDLSGENSINRSRIEMDLSQFSHTLV.....	932
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	SDFVQEDGKQY.....AWLGAPIIQGYLHSYAMFRLPSNAITKLIAEGSSNPSM.QTILVGQDHR	344
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	KAVVEMELSLRRLXSGYRTGEGEETRAYARHNTENSRVADYVBLPEMDQYSSLNQLSKSLAESASDLVDFK.NTLS	1003
NTDB id 374 SMU RS06885 WP 002262930.1	EMELAIQRLADQLRRMEGELETQIIAKHGIEHSRYTDF.DP	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	KAVVDLALSGKRAVGTYTNTDGEQIIAAYAPINLKNIHVALVVELPEKEAFARVRQLEKLFVFAMLTAIVLVVIASHYLS	424
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	DKIRDTESLLLQQSRIQ.AEIQEGLMRT.RLVPFSLRPRLQRIVRQTSTALNRP....AE.LFVN..NTEGELD	1069
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	NFITSPLLKLTWAAERVSAGDLDEAMINTERKDEIGRLAVSFERMQRSIREKISLIKSQNKELESNLLIIRKQNDDELQLA	504
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	RNILERLVTPLEHMLRNAIDHGLEDRAQRQQANKPETG..RIELNIQR.QGTDVVVVFSDDGQGIDVEKVRQ	1138
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	NKLKDEFLATTSHELRTPHGMIGIAE..AL....ISGANGPISAAHKYQLDIIISSGQRLA.TLVDD..LLDYHKMRY	574
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	KALLAGLIKPEQDLEQQDILQLIFHP...GLSTAEQVTQISGRGVGLDVVQSDIKSLGGHVSVESVYQGTTFTIR...V	1212
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	GALDI..QRCAVDLSSATRLVLELSHHLLGKKTLRIINQVSEQPVVVS...ADPQRLE..QVLYNLIGNAIKYTSEGKIV	647
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	PTTVAVSDALMVKVADQQFAIPLAQIDRIIRVSPASLEQYFESPQELFEYENKRYPLR.YLSEFVGNQPIPRNLNGVMYSL	1291
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	ISATYIDDKVRVQVVDGTGGIPAEQLEHIFEPL.....IQAG.....HDASRYRQGAGLGLSISRQLIELMHGTLTVS	715
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	PVLMIKANNGQTVALLVDQLIGSRAQIVVKPIGQQFSSIGAIAGATILGDGQVCLILDGQNIARQIQSTQRHKQLS...E	1368
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 413 AAK55817.1 141..845( )	.....	0
NTDB id 1143 A1552VC RS01965 WP 001883436.1	SQPM.....VGTTFSFTLPLASEEEIAQARLT.....ELPHFQAPEVLDSELP	758
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	0
NTDB id 419596 GT972 RS04590 WP 301331527.1		0
NTDB id 1047 HON27 RS03110 WP 000389061.1		0
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1	AVYRQRESDERRLIMIVDDSVTVRKVTSRLLERQGYDVVTAKDGVDAIEQLENIKPDLMLLDIEMPRMDGFEVLNLRHH	1448
NTDB id 374 SMU RS06885 WP 002262930.1	MKKILIVDDEKPIISDIIFKNLAKEGYDTITAFDGREALSKEYEENPDLIILDLMLPELDGLEVAKEVRK.	69
NTDB id 413 AAK55817.1 141..845()	MKKILIVDDEKPIISDIIFKNMTEGYEVVTAFTNGREALEQFEAEQPDIIILDLMLPELDGLEVAKTIRK.	69
NTDB id 1143 A1552VC RS01965 WP 001883436.1	EQSNLPENEHGPLLVLVADDEPVNLRVLDSFLRLEGYRVHTAQDGHQVLEATIKREKPELVLLDIMMPGMSGYQVCEKLRQT	838
NTDB id 1417 SGL RS04200 WP 014407071.1	MNAVLLVEDSSSQREMISGILKDHGWQVTIACDGVEALEKLQNFSPDLVVLDIVMPRMNGYEVCCRRIKSD	70
NTDB id 419596 GT972 RS04590 WP 301331527.1	MVIDDSQTIRRTAETLLAREGYQVVTAQDGFALAKIAEQSPDLIFIDIMMPRLDGYQACALIKGN	66
NTDB id 1047 HON27 RS03110 WP 000389061.1	MEDAFQNLKVMVIDDSKTIRRTAETLLQREGCEVITAVDGFALSKIAEANPDIVFVDIMMPRLDGYQTCALIKNS	76
consensus	*****! * ***** * * !!*****! *! ***** !*****!*****!*****!***** **	

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NTDB id 1046 HON27 RS03130 WP 168726941.1	DMHQYMPIIMITSRTGEKHRERAFSLGVSQYMGKPFQEEELLENIDALLVAFESEVKS.....	1506
NTDB id 374 SMU RS06885 WP 002262930.1	..NSHVPIIMLSAKDSEFDKVVIGLEIGADDYVTKPFSNRELLARVKAHLRRTENIESAVAEEN.....ASG	133
NTDB id 413 AAK55817.1 141..845()	..TSSVPIIMLSAKDSEFDKVVIGLELGADDYVTKPFSNRELQARVKALLRRSQMPMPVDGQ.EA.....DSK	132
NTDB id 1143 A1552VC RS01965 WP 001883436.1	YDHAELPIIMLTALNQSDDRVRGFEAGANDYLSKPFNKQELAAARIVAHLTASKAELRRIENAQLQKELKHRAHVEASLLE	918
NTDB id 1417 SGL RS04200 WP 014407071.1	PKTKNVPIIMCSSKGEFDRFWGMRQGADAYIAKPFQPMELVGTIKQLLRN.....	121
NTDB id 419596 GT972 RS04590 WP 301331527.1	PRFAKTPIVIMLSSKDGLFDRARGRIVGSDEYLTKPFTKDELLGAVRAHTRK.....	117
NTDB id 1047 HON27 RS03110 WP 000389061.1	QNYQNIPIVIMLSSKDGLFDQAKGRVVGSDYLTKPFSKDELLNAIRNHVSS.....	127
consensus	*!***!***** ***** * * !*****!*****!***** !!*** *****	

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NTDB id 1046 HON27 RS03130 WP 168726941.1		1506
NTDB id 374 SMU RS06885 WP 002262930.1	IPEIIIIGDLQILPDAFVAKKRGTEVELTHREFELLHHLATHTGQVMTREHLLET...VWGYDYFGDVRTVDVTVRRLRE	209
NTDB id 413 AAK55817.1 141..845()	PQPIQIGDLEIVPDAYVAKKYGEELDLTHREFELLYHLASHTGQVITREHLLET...VWGYDYFGDVRTVDVTVRRLRE	208
NTDB id 1143 A1552VC RS01965 WP 001883436.1	TQGRLLLEQLESAPAILCVKEGNKVRFANEAAARLFRRTPEQLKRSNAEELIAPKFLNIEQEHYCGNI...DVYVDDVRQ	995
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	121
NTDB id 419596 GT972 RS04590 WP 301331527.1		117
NTDB id 1047 HON27 RS03110 WP 000389061.1		127
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1		1506
NTDB id 374 SMU RS06885 WP 002262930.1	KIEDT....P....SRPEYILTRRGVG.....YYMKSVD	235
NTDB id 413 AAK55817.1 141..845()	KIEDT....P....SRPEYILTRRGVG.....YYMRNNA	234
NTDB id 1143 A1552VC RS01965 WP 001883436.1	HLSADVLRLPQGSGGLQAMYIFNVGGSVNAARIHNLETAVEALSSYAFEGDKDKLQKLKELGGEFTRLADKASGEYQSKQD	1075
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	121
NTDB id 419596 GT972 RS04590 WP 301331527.1		117
NTDB id 1047 HON27 RS03110 WP 000389061.1		127
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1		1506
NTDB id 374 SMU RS06885 WP 002262930.1		235
NTDB id 413 AAK55817.1 141..845()	*	234
NTDB id 1143 A1552VC RS01965 WP 001883436.1	LMRAVLVEAMTSALNYWERSVSGQSKFTFAEQSGLWRVYLDRSTLQTRTLDKYLRIETLPKTPRWRTVLNSLDYILEHCKE	1155
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	121
NTDB id 419596 GT972 RS04590 WP 301331527.1		117
NTDB id 1047 HON27 RS03110 WP 000389061.1		127
consensus		

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NTDB id 1046 HON27 RS03130 WP 168726941.1		1506
NTDB id 374 SMU RS06885 WP 002262930.1		235
NTDB id 413 AAK55817.1 141..845( )	.....	234
NTDB id 1143 A1552VC RS01965 WP 001883436.1	AGPERTHIEMQRDKLQKLLTSE	1177
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	121
NTDB id 419596 GT972 RS04590 WP 301331527.1	.....	117
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	127
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved