

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 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 077CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDNFKQKRAHTLDFRPLILLGQQLQQQSSLEPALEEELLQLS	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	ELAWTVEDTLNRVINQSLQLTPTIQSYVQLVFKFYFLKLVDNFKQKRAHTLDFRPLILLGQQLQQQSSLEPALEEELLQLS	160
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 077CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		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	HTLMAETVTGLELDYIEQDSLAEPIIQATHTEIEINLDETTLTFMEEAEEHLATIHQFLDQELHQYDSYNALIRALHTLR	240
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 077CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQYREFVRDSLELLSRYSSSEQLEARLLQFNQSWDAYVEQ	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	GSSAMAQVETIFEASTKVEHLFKILLQEELSSHSEEILLQYREFVRDSLELLSRYSSSEQLEARLLQFNQSWDAYVEQ	320
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 077CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	HGDRTDPLMPSHGLVSQLQLQLDVSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMGLGLHEYTSQLKESYEV	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	HGDRTDPLMPSHGLVSQLQLQLDVSELLDAELDFEKGIRNEFPDYLERLSEQADLLLQHTHSQAMGLGLHEYTSQLKESYEV	400
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 O77CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVKQHQSIILEELKLYTQYTPDISNDLPQQDSTSFEPINYNTES	3
NTDB id 413 AAK55817.1 141..845()	MTS	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	LLDKPALLQSDYIFEIYQKAHQQLIQLFDALAAGQRVGVVKQHQSIILEELKLYTQYTPDISNDLPQQDSTSFEPINYNTES	480
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 O77CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	DPN.....PAQAFENWFEEEEGDDAFTSLI	28
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	EPEVVATVENFSDSADWAVLGQSVQQDRQYISSTQVNRNFDADLLDIFLEEAEEELLEGIQAQAFETFEEDDAFTSLI	560
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 O77CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	AGE.....	31
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	RYLHTLKGGANMVQATYLGGLIAHELESIIYERLIQKQLVVTSDLIDFIRLVQDDLADRLQIMREQQLDYAAPYTINALKRA	640
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 O77CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	EQNSNPFEELEFVBAFBAEPEVFSSEKFLSEITIDEIPVELEPALAELETHHDQVFDTSAGTGLERFPVEMTDFYTSSENEEYR	84
NTDB id 413 AAK55817.1 141..845()	ETNSGIEELDFGDLFEGETPTVIQGEFGFS.....PSSGEEDPPVRMTLDFNSPEAELD	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GQNSNFQPLPVVEAFDAESEVFSEQKVISSEIIIDEIPVELEPALAELETHHDQVFDTAVTELATPVEMITTVTSQENEVA	720
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 O77CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	ANEQDI EAWVEALFTEERTETTERPESLESSWIEBINR	
NTDB id 413 AAK55817.1 141..845()	ALFTDEDAPTTAIDPFESSSWLEIDQMMEADPLASIPETNAPAYQTAGGLDDNDLAEQLDLLGVGDVEP	153
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	ANEQDIEAVVEQTFLEEATELLEMAESLLKQWFQRTNR.....S.....ILL.....	763
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 O77CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	AFTSRAYHSFKGARRMYELINWLLYR	
NTDB id 413 AAK55817.1 141..845()	AITNPNGLHSFAGADRVTPLTNEVLL.FA.....AIDDDLGLINAPVLDEEFSF.....TELETLLIDTPAPKS	214
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	.QLQRAVHSLKGGARMVGLEAVQAIAYQLENAFEQFALHHFNNSNIYDHLLESIAIWLKDAIFNHNHYQHFDGLQQSLENIQ	842
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 O77CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	FATFETTFSTPYKMYEREFLFSSER	
NTDB id 413 AAK55817.1 141..845()	FATISHPFRLPVAMEEDEDKLEALLEQADSSLGGGIAGMGGARLPARP...RQVKRSRFEQTMRVPIKQLDNLSNLI	291
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 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 O77CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	CE ^N Y ^R R ^R R ^R I ^E SD ^E DE ^B FR ^R FL ^N Y ^E LE ^N AA ^Q RL ^A D ^G LE ^R ME ^E LE ^E ER ^T ILEGALLASRSTNSRHHSSKTTYPDARITAK ^S ST ^E ET	371
NTDB id 413 AAK55817.1 141..845()	GELVVKRNRL ^E QDQERLRQFLDNLLNQAQNLSDVGGRMQDLYERTLLEGALLASRSTNSRHHSSKTTYPDARITASSSST	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GENSINRSRIEMDLSQFSHTLVEMELAIQRLADQLRRMEGELETQI.....IAKHGIEH	964
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 O77CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	SR ^Y GS ^F DA ^L EMD ^S YS ^F IN ^L S ^R EM ^A E ^A Y ^S BY ^K EF ^K ST ^I SK ^Y B ^E T ^E S ^L A ^R ES ^S Y ^T ET ^E Q ^E GM ^R SR ^M VP ^F ST ^L AB ^R L ^R	451
NTDB id 413 AAK55817.1 141..845()	MNDQPLDALEMDRFTG ^F HLLSQEMIELIVRVRESASDIQYLVD ^E TDQVARTLRQVTTQLQEGMTKSRMVPFTQTADRLPR	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	SRYTDFDPLEMDQYSSLNQLSKSLAESASDLVDFKNTLSDKIRD ^T ESLLLQ ^S RIQAEIQEGLMRTRLVPFSRLLPRLQR	1044
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 O77CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	AY ^R E ^Y SW ^K LN ^R K ^X LE ^V N ^T SE ^T ME ^L DR ^N IL ^E RL ^Y TP ^E HL ^Y R ^N AI ^T HG ^I E ^D FA ^E R ^Q R ^A N ^K SE ^E GR ^I E ^Y RA ^F EQ ^G TS ^Y YYY ^F	531
NTDB id 413 AAK55817.1 141..845()	AIREVSMKLNKKVNLEVEGGDVLIDKMLEHLYNPMTHLVNNAITHG ^I ETPAERQKL ^G KSPEGHLAVRAFLQGNQTLITV	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	IVRQTSTALNRPAELFVN ^N TEGELDRNILERLVTPLEHMLRNAIDHGLEDRAQRQQANKPETGRIELNIQRQGTDVVVVF	1124
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 O77CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	SDD ^G R ^G I ^N Y ^E VR ^Q KAY ^L GL ^I RP ^M EA ^B LE ^Q S ^E Y ^B L ^I FH ^A G ^I ST ^K SE ^D SB ^I AG ^R GVGLDW ^B SB ^I TS ^I SG ^A YS ^E SY ^Y	611
NTDB id 413 AAK55817.1 141..845()	SDDGAGINTEMVKQKAVEKGLISRMEAQSLSQSEVYDLLFHAGFSTKDTADDFAGRGVGLDVVRTSLIDIRGAINIESTV	0
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	SDDGQGIDVEKVRQKALLAGLIKP..EQDLEQQDILQLIFHPGLSTAEQVTQISGRGVGLDVVQSDIKSLGGHVSVESVY	1202
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 O77CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	GRGTTFTIRYPITYSYEBALMAYKSRBSB+A+PVRQYEBTBYEPEKSTYEDFESBQELYEYEREALLLRYPRLRYLENFNB	
NTDB id 413 AAK55817.1 141..845()	GKGTFTFTIRLPLTLSICKALCCLSDRARIAAFPMGDVEDTRDYLPKDIVTD.EDGQKCVKYGKEALLLPLYPLKDLLNYNR	690
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	GQGTFTFTIRVPTTVAUSDALMVKVADQQFAIPLAQIDRIIRVSPASLEQYFESPQELFEYEN....KRYPLRYLSEFVG	1277
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 077CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	RLPRLRYGCKQWMMYVIMARSSGRYALRYDQY+GEEAEIVYKPIESPFSPPEA+AGATYRGDGSYML+ADYEN+LA	
NTDB id 413 AAK55817.1 141..845()	QLSRGSVYGGKQEDDVVRVIIARGSSGNLLALQIDQVLGEE.EIVIKQIEGPIPKPPGIAGATVRGDGSIMPIADVLELI	769
NTDB id 374 SMU RS06885 WP 002262930.1	.....	0
NTDB id 1046 HON27 RS03130 WP 168726941.1	NQPIPRNLNG...VMYSLPVLMIKANNGQTVALLVDQLIGSRAQIVVKPIGQQFSSIGAIAGATILGDGQVCLILDGQANIA	1354
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	0
NTDB id 67752 077CONTIG1 RS03270 WP 068508027.1		0
NTDB id 1417 SGL RS04200 WP 014407071.1		0
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1	EIAQGRRLRT.DSSGGLWRKTLTPTVNEVHMDPTVLIVDDSIITVRELLSLSFKKAGFRVEQARDGQEAWDQLKSGLPCCDLV	848
NTDB id 413 AAK55817.1 141..845()	MKKILIVDDEKPIISDIIFKNMTKEGYEVVTAFAFGREALEQFEAEQ.PDII	49
NTDB id 374 SMU RS06885 WP 002262930.1	MKKILIVDDEKPIISDIIFKNLAKEGYDTITAFDGREALSKYEEEN.PDLI	49
NTDB id 1046 HON27 RS03130 WP 168726941.1	RQIQSTQRHKQLSEAVY.....RQRESDERRLLIMIVDDSVTVRKVTSRLRLERQGYDVVTAKDGVDATEQLENIK.PDLM	1427
NTDB id 1047 HON27 RS03110 WP 000389061.1	MEDAFQNLKVMVIDDSKTIIRTAETLLQREGCEVITAVDGFELSKIAEAN.PDIV	55
NTDB id 67752 077CONTIG1 RS03270 WP 068508027.1	MSRVLVVEDSVTQREMITDLLKSGSLDVTVASDGVLEALEQIEGHS.PDLV	49
NTDB id 1417 SGL RS04200 WP 014407071.1	MNAVLLVEDSSSQREMISGILKDHGQVVTIACDGVLEALEKLQNFSPDLV	49
consensus	* ****!!* ***** ** * !*****! *! *!***** *!*	

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NTDB id 1419 SGL RS12550 WP 010873252.1	YLDIMPRDGYEVCRLRKRDEPKQSYPIVIMLSSKGEFDRGADYTKPFELLYKALLRR	
NTDB id 413 AAK55817.1 141..845()	FCDIEMPRKNGLELSELQADEELSSIPVALLTSRGADRHRKVAALKGATGYFTKPYTEKDILDAANRMLNGEVLLPGST	928
NTDB id 374 SMU RS06885 WP 002262930.1	JLDLMLPELDGLEVAKTIRK...TSSVPILMLS AKDSEFDKVGILELGADDYVTKPFSNRELQARVKALLRRSQMPMPVDG	126
NTDB id 1046 HON27 RS03130 WP 168726941.1	JLDLMLPELDGLEVAKEVRK...NSHVPIIMLS AKDSEFDKVGILELGADDYVTKPFSNRELLARVKAHLRRRTENIESAV	126
NTDB id 1047 HON27 RS03110 WP 000389061.1	LLDIEMPRMDGFEVLNLVRHDMHQYMPIIMITSRTGEKHRERAFSLGVSQYMGKPFQEEELLENIDALLVAFESEVKS.	1506
NTDB id 67752 077CONTIG1 RS03270 WP 068508027.1	FVDIMPRLDGYCTCALIKNSQNYQNIPIVIMLSSKGEFDRYWGKQGADAYIAKPFQPTLVGTIKQLLRG.....	127
NTDB id 1417 SGL RS04200 WP 014407071.1	VLDIVMPRMNGYEVCRIRKSDPKTKNVPVIMCSSKGEFDRFWGMRQGADAYIAKPFQPMELVGTIKQLLRN.....	121
consensus	**!***!***!*** * ** *!***** ** *!*** !!!!!* **** ** **	

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NTDB id 1419 SGL RS12550 WP 010873252.1		998
NTDB id 413 AAK55817.1 141..845()	RKTNSILSRFKKARGNFSEEAPTIVRSNPGTL.....R.....STVLIIDDSVMVREMLSMTFKKADYHTETARDGQDAW	188
NTDB id 374 SMU RS06885 WP 002262930.1	Q.EADSKPQ.PIQIGDLEIVPDAYVAKKYGEELDLTHREFELLYHLASHTGQVITREHLLET.....VW	189
NTDB id 1046 HON27 RS03130 WP 168726941.1	AEENASGIP.EIIIGDLQILPDAFVAKKRGTEVELTHREFELLHHLATHGTGQVMTREHLLET.....VW	1506
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	127
NTDB id 67752 077CONTIG1 RS03270 WP 068508027.1		121
NTDB id 1417 SGL RS04200 WP 014407071.1		121
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1		1078
NTDB id 413 AAK55817.1 141..845()	EKLKSGLPCLILCDIEMPRMNGLELLERIQEDPNLSRIPVAMITSRGAQKMQRMAAEKGAKEKGYFVKPYIEETLLEASQR	234
NTDB id 374 SMU RS06885 WP 002262930.1	GYDYFG...DVRTVDVTV.....RRLREKIEDTPSR...PEYILT.....RRGVGYMRNNA*.....	235
NTDB id 1046 HON27 RS03130 WP 168726941.1	.....	1506
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	127
NTDB id 67752 077CONTIG1 RS03270 WP 068508027.1		121
NTDB id 1417 SGL RS04200 WP 014407071.1		121
consensus		

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NTDB id 1419 SGL RS12550 WP 010873252.1		1095
NTDB id 413 AAK55817.1 141..845()	LIRGEVLLDLAALSADE	234
NTDB id 374 SMU RS06885 WP 002262930.1	.....	235
NTDB id 1046 HON27 RS03130 WP 168726941.1	.....	1506
NTDB id 1047 HON27 RS03110 WP 000389061.1	.....	127
NTDB id 67752 077CONTIG1 RS03270 WP 068508027.1	.....	121
NTDB id 1417 SGL RS04200 WP 014407071.1	.....	121
consensus		

- non conserved
- similar
- ≥ 50% conserved