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NTDB id 1410 SGL RS13950 WP 010873519.1	MSXLTIGDRRLGAALLDGYLDLQLRALERHhEVGGhLAhVLYDhGhEhRRIAhIhEhGIPLVhLhVhP	0
NTDB id 1028 TT RS08215 WP 011173991.1	MSVLTIGDKRLGAALLDAGLLTDEELQRALERHhREVGGSLAEVLVDMGLLSERRIAQTIEDRFGIPLVELHRVEIPPVKV	80
NTDB id 1306 DR RS10060 WP 027479822.1	.MALSIGDRRLGAILLDQGYLGDNDLQRALERHSEVGGRLADVLIDSGMVGEKRIARAIEEALGIPLVNLLAVQPDPAAL	79
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 77785 ECR091 RS03740 WP 038415347.1	.....	0
NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
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NTDB id 1410 SGL RS13950 WP 010873519.1	hEhIhEhAKhLRAhPFALhEhEhRYhVAhYhPLhEhStEhEhEDhGhYhEPYQhEhYhAhAhhYPELGLEhYhPsh	0
NTDB id 1028 TT RS08215 WP 011173991.1	ALLPAEKAKELKAIPFALDEEAGVVRVAFLNPLDTLSLEEVEDLTGLVVEPYQTTKSAFLYALAKHYPELGLPVPPP..P	158
NTDB id 1306 DR RS10060 WP 027479822.1	RSIRPQTALNLQAFPFALE..GDRLRVALVDPLSSFSIETLEDDSGFDIEPYQALREEVMWAIATHYPELGLEIVVPSGA	157
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 77785 ECR091 RS03740 WP 038415347.1	.....	0
NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
consensus		

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NTDB id 1410 SGL RS13950 WP 010873519.1	MTS	3
NTDB id 1028 TT RS08215 WP 011173991.1	LLLLRSDALRYGAVPIGFQNGEVEVVLSDPRHKEAVAQLLNRPARFYALALPQAWHEELFRRAYPQKNRLGEVLVQEGKLSR	317
NTDB id 1306 DR RS10060 WP 027479822.1	GSMLRADALRLLAVPVDETEQGVTVLTSDPRKRPDIDALIGRPVQLMLTRPRDIERLIEQFYPPQRGRLLGEQLVQEGTLSR	317
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	0
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	0
NTDB id 1355 HI 0298 AAC21962.1	.....	0
NTDB id 77785 ECR091 RS03740 WP 038415347.1	.....	0
NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	0
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	0
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	0
NTDB id 1293 VP RS12240 WP 005479695.1	.....	0
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	0
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	0
NTDB id 1018 ACIAD RS01685 WP 004920473.1		0
NTDB id 1058 ABD1 RS01615 WP 001274986.1		0
consensus		

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NTDB	id	1410	SGL	RS13950	WP	010873519.1	G	V	D	S	V	D	P	E	V	A	P	I	A	T	Q	Q	M	A	E	L	I	G	R	F	F	L	D	T	C	R	R	F	K	F	L	P	A	Q	Q	E	G	D	P	P	S	V	L	V	A	M	V	D	P	N	L	A	Q	D	E	L	N	R	I	L	R	V	K	G	F	.	.	E	L	R	R	L	.	.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
NTDB	id	1028	TT	RS08215	WP	011173991.1	G	Y	P	Y	V	D	P	E	E	D	P	P	D	P	.	.	.	.	.	G	A	P	L	L	L	P	E	D	L	C	R	R	Y	G	V	F	P	H	R	L	E	G	.	.	N	R	L	V	L	L	M	K	D	P	R	N	I	L	A	L	D	D	V	R	L	A	L	K	R	K	G	L	N	Y	E	V	A	P	A	.	.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB	id	1306	DR	RS10060	WP	027479822.1	G	Y	E	F	L	D	P	I	Q	M	P	P	D	P	.	.	.	.	.	K	V	A	L	M	I	P	E	A	T	A	R	R	Y	V	V	V	P	V	R	L	Q	G	.	.	N	S	L	V	V	A	M	K	D	P	R	N	V	F	A	L	D	D	L	K	L	I	T	G	.	.	.	.	.	K	E	I	L	P	A	.	.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB	id	1384	A4U84	RS08525	WP	010787006.1	D	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	W	Q	K	N	C	E	E	Q	L	L	L	R	Y	L	A	V	P	V	Q	E	T	.	.	H	K	L	W	L	A	V	D	D	E	N	L	A	C	E	I	F	A	F	M	T	H	.	.	.	.	.	K	Q	I	E	P	V	.	.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
NTDB	id	1366	NTHI	RS01950	WP	011271972.1	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	L	L	L	R	Y	F	A	L	P	K	E	E	N	.	.	N	R	L	W	L	G	V	D	S	L	S	N	L	S	A	C	E	T	I	A	F	I	T	G	.	.	.	.	.	K	P	V	E	P	I	.	.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
NTDB	id	1355	HI	0298	AAC21962.1	T	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	L	L	L	R	Y	F	A	L	P	K	E	E	N	.	.	N	R	L	W	L	G	V	D	S	L	S	N	L	S	A	C	E	T	I	A	F	I	T	G	.	.	.	.	.	K	P	V	E	P	I	.	.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
NTDB	id	77785	ECR091	RS03740	WP	038415347.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	M	N	T	E	Q	L	M	T	L	C	Q	R	H	H	A	L	L	A	S	D	T	.	.	E	M	I	S	I	A	V	V	G	N	P	A	S	E	L	M	E	A	L	R	F	A	T	Q	.	.	.	.	.	K	R	I	D	I	E	.	.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
NTDB	id	1436	BW25113	RS00530	WP	001025145.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	M	N	I	P	Q	L	T	A	L	C	L	R	Y	H	G	V	L	L	D	A	S	E	.	.	E	V	V	H	V	A	V	D	A	P	S	H	E	L	L	D	A	L	H	F	A	T	T	.	.	.	.	.	K	R	I	E	I	T	.	.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
NTDB	id	1168	A1552VC	RS11070	WP	000957200.1	G	L	P	E	T	D	L	S	R	Y	D	Y	A	N	.	.	.	.	.	L	C	Q	Q	L	G	L	R	E	L	T	R	Y	D	A	L	P	I	A	K	Q	G	.	.	N	L	L	L	A	V	S	D	P	T	L	L	Q	A	E	E	E	F	R	F	A	T	G	.	.	.	.	.	L	Q	V	E	L	A	.	.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB	id	1401	DSB67	RS12665	WP	010643259.1	G	L	S	C	T	S	L	N	Q	Y	E	Y	A	S	.	.	.	.	.	L	C	Q	T	L	G	R	D	L	T	R	H	N	A	L	P	L	N	R	T	S	.	.	S	T	L	I	A	V	A	D	P	T	N	L	Q	A	E	D	D	R	F	A	T	G	.	.	.	.	.	L	Q	V	E	L	V	.	.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB	id	1293	VP	RS12240	WP	005479695.1	G	L	S	Q	P	E	L	S	Q	Y	E	Y	A	S	.	.	.	.	.	L	C	Q	Q	L	G	L	R	E	L	T	R	H	N	A	L	P	L	H	R	T	P	.	.	S	T	L	L	A	V	A	D	P	T	N	Q	A	E	D	D	R	F	A	T	G	.	.	.	.	.	L	Q	V	E	L	V	.	.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
NTDB	id	1110	NGFG	RS09235	WP	003689817.1	S	Y	S	I	L	D	L	R	H	Y	P	R	H	R	.	.	.	.	.	V	L	M	G	V	L	T	E	E	Q	M	V	F	H	C	V	P	V	F	R	R	G	.	.	D	K	V	F	F	A	V	S	D	P	T	Q	M	P	Q	I	K	T	V	S	A	A	G	.	.	.	.	.	I	A	V	E	L	V	.	.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB	id	1251	GC085	RS07725	WP	011946523.1	G	V	P	M	L	D	I	N	C	I	D	V	G	T	.	.	.	.	.	I	P	V	N	L	V	N	E	K	L	I	K	R	H	A	M	V	P	L	F	S	R	G	.	.	T	N	I	Y	L	A	T	D	P	S	K	Q	A	S	L	K	E	I	Q	F	H	T	G	.	.	.	.	.	L	N	T	H	A	I	.	.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB	id	1018	ACIAD	RS01685	WP	004920473.1	G	E	P	L	L	D	L	G	V	F	D	P	A	L	.	.	.	.	.	F	L	K	D	K	I	D	E	K	L	I	Q	K	Y	R	I	M	P	L	V	H	R	G	.	.	H	V	L	Y	V	A	T	S	N	P	T	N	I	E	A	M	D	A	I	R	F	N	S	K	.	.	.	.	.	L	K	V	E	P	I	.	.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB	id	1058	ABD1	RS01615	WP	001274986.1	A	E	P	Y	F	D	L	D	V	Y	D	T	S	Q	.	.	.	.	.	I	P	K	D	L	V	D	Q	K	L	I	L	K	H	R	I	L	P	L	I	Q	R	G	.	.	Q	I	L	Y	V	A	T	S	N	P	S	N	I	E	A	I	D	A	I	R	F	N	S	K	.	.	.	.	.	L	L	V	E	P	V	.	.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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NTDB id 1410 SGL RS13950 WP 010873519.1	VVTQDDFNQLIEQYYAIREEWEEAAQEKRDQERALDKLNDLTDIVGSIDMNLGEDKDVDNALDSNDANQAPVINLVNKKIL	241
NTDB id 1028 TT RS08215 WP 011173991.1	VATEAAITTKLIERFYGKAELSEIAKEF.....AK.....KQAEEEV..PSPLELDESAAQKFVKQVI	515
NTDB id 1306 DR RS10060 WP 027479822.1	VMAEKDIIRLIERYFGEKGFELKNEL.....AE.....RNKTQSSQEADLSVADESATVQVVDSSI	512
NTDB id 1384 A4U84 RS08525 WP 010787006.1	VIASDELKYLINALSPEQQPIYEE.....SELAFVEQEQQEQLNLNDPTIQLLDNLF	125
NTDB id 1366 NTHI RS01950 WP 011271972.1	LLESSQLKELIQQLTTPHQMQUEEQ.....VKFYQHQQETHFEQEDDEPVIRLLNQIF	130
NTDB id 1355 HI 0298 AAC21962.1	LLESSQLKELIQQLTTPNQMQVEEQ.....VKFYQHQQETHFEQEDDEPVIRLLNQIF	130
NTDB id 77785 ECR091 RS03740 WP 038415347.1	CWTAERMEKRLQSLSSS.....HLPG..IAPNSAADVLSTTL	87
NTDB id 1436 BW25113 RS00530 WP 001025145.1	CWTRQMEGHASRTQQT.....LPVAVQEKHQPKAELLTRTL	89
NTDB id 1168 A1552VC RS11070 WP 000957200.1	LADHRAALQAAITRRLYGRSIIQGAANQGKEISQ...DELAN.....LV....KVSDDELQSIEDLSQDDSPVSRFINQVL	190
NTDB id 1401 DSB67 RS12665 WP 010643259.1	LADFRELTAATIRRLYGRSLGQEKSGLKEINQ...DELAG.....LV....DIGEDEIENIEDLSQDESPVSRFINQIL	190
NTDB id 1293 VP RS12240 WP 005479695.1	LADFRELSTAATIRRLYGRSLSHEKSGLKEINQ...EELAS.....LV....DVGAEIDNIEDLSQDESPVSRFINQIL	190
NTDB id 1110 NGFG RS09235 WP 003689817.1	IVEDDQLAGLLDWVGSRSTSL..LQEL.....GE.....GQ.....EEEESHTLYIDNEEAEDGPVPRFIHKTL	180
NTDB id 1251 GCO85 RS07725 WP 011946523.1	VVETDKLSALIDNLLTAKESQGLSEYVEDSG.DLEGLEI.....SA.....D.DEDQDIDTATSVTDDAPIVKFVNKIL	199
NTDB id 1018 ACIAD RS01685 WP 004920473.1	IVEHDKLERLLSEHFVEETHFNFDTE...EL.D...LDV.....EV.....DPHTTDDDDDDKLDKDEAPIVKYINKLL	194
NTDB id 1058 ABD1 RS01615 WP 001274986.1	IVEHHKLEKVLGQHFAEESSFDFNDE...EF.D...LDV.....NL.....DGPTAQEDEEEAPQGDDEAPIVKYINKLL	194
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NTDB id 1410 SGL RS13950 WP 010873519.1	AKALQEGTSDIHVEPQEETLRIRFRKDGVLNQAFDPLPRKITTAVVARFKIMADMIAERRSPQDGKIRRIYQ..GRKVD	319
NTDB id 1028 TT RS08215 WP 011173991.1	REAFQLQDASDIHIEPRQNDVQVRLRIDGALRPY.STLPKGALNAVIVSVKIMGGLNIAEKRLPQDGRVRYRE..GAIDVD	592
NTDB id 1306 DR RS10060 WP 027479822.1	REAAALQDASDIHIEETTEDAVKVRYRIDGALREQ.NSFPGKAAQIMARLKIMGHLDIAERRVPQDGRVRFKK..GSIDL	589
NTDB id 1384 A4U84 RS08525 WP 010787006.1	KFCLAQNASDIHIEPRKQKLIIRLRIDGVLHLY.KSLSIQLASRLISRIKLLAKLDISELRQPQDGGQFSFTTAL.ADTLD	203
NTDB id 1366 NTHI RS01950 WP 011271972.1	ESALQKNASDIHLETLADQFQVRFRIDGVLQPQ.PLISKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTTF.SDILD	208
NTDB id 1355 HI 0298 AAC21962.1	ESALQKNASDIHLETLADQFQVRFRIDGVLQPQ.PLISKIFANRIISRLKLLAKLDISENRLPQDGRFQFKTTTF.SDILD	208
NTDB id 77785 ECR091 RS03740 WP 038415347.1	QQAVNQRASDIHIEPTEHGYYIRLRIDGVLVPQ.PPVSAALGTTLAARLKVLGQLDIAERRLPQDGGQFTVELA..SVPVS	164
NTDB id 1436 BW25113 RS00530 WP 001025145.1	QSALEQRASDIHIEPADNAYRIRLRIDGVLHPL.PDVSPDAGVALTARLKVLGNLDIAEHRRLPQDGGQFTVELA..GNAVS	166
NTDB id 1168 A1552VC RS11070 WP 000957200.1	LDAVRKGNASDIHFEPYENQYRIRLRIDGVLVET.QQPASHLSRRLAARIKILSKLDIAERRLPQDGRITKLRLSR.DTAID	268
NTDB id 1401 DSB67 RS12665 WP 010643259.1	LDAVRKGNASDIHFEPYENMYRVRLRCDGILIEI.QQPSSHLSRRLSARIKILSKLDIAERRLPQDGRITKLKLNLQ.DTAID	268
NTDB id 1293 VP RS12240 WP 005479695.1	LDAVRKGNASDIHFEPYEMKYRVRLRCDGILIEI.QQPPNHLISRRLSARIKILSKLDIAERRLPQDGRITKLKLNLQ.DTAID	268
NTDB id 1110 NGFG RS09235 WP 003689817.1	SDALRSGASDIHFEPYEHNARIRFRVDGQLREV.VQPPIAVRGQLASRIKVM SRLDISEKRIPQDGRMQLTFQKGGKPV	259
NTDB id 1251 GCO85 RS07725 WP 011946523.1	LDAIRQGNASDIHFEPYEREYRIRYRQDGLHEV.ATPPASLSSRITARIKVM SNLDISERRIPQDGGFKMKISK.SRAID	277
NTDB id 1018 ACIAD RS01685 WP 004920473.1	IDAIRMSASDIHFEPYEKSYRVRYRVGVLRLI.ATPPLQLATRLASRLKVM SQMDISEKRVVPQDGRITKLKMSK.SKTID	272
NTDB id 1058 ABD1 RS01615 WP 001274986.1	IDAIRMGASDLHFEPYEKSYRVRYRVGVLRLI.ANPPLQLANRLASRLKVM SQMDISEKRVVPQDGRITKLKLSK.SKAID	272
consensus	*** *!?!?! *! * ****! !!!!!! * * ** *!?! *!?!?!?!?!***** **	

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NTDB id 1028 TT RS08215 WP 011173991.1
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NTDB id 1058 ABD1 RS01615 WP 001274986.1
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NTDB id 1410 SGL RS13950 WP 010873519.1	RLDEMGEVFPFVSGSLLGLVLAQRLMRKVCTECRIAY.HPSKEELSRFGLSASGDEVVTFYKANSLSPEIHLARQKGNLC	558
NTDB id 1028 TT RS08215 WP 011173991.1	RLDEMGEVFPFNISAALIGVLSQRLVRRVCEHCKVEV.KPDPETLRRLLGLSEAEIQ.....GARLYKGMGC	816
NTDB id 1306 DR RS10060 WP 027479822.1	RLEEMGIENFNISAAVMGVLAQRLVRRVCSECKQPT.NADPEVLRRLGISERDIR.....GANLMRGTTGC	813
NTDB id 1384 A4U84 RS08525 WP 010787006.1	RLQLGLGIQEYEIQNSLLLVIAQRLVRKLCCKCRGVG.....C	400
NTDB id 1366 NTHI RS01950 WP 011271972.1	RLQQLGLGIQHEIENSLLLVIAQRLVRKICPKCGGNL.....INS	407
NTDB id 1355 HI 0298 AAC21962.1	RLQQLGLGIQYEIKNSLLLVIAQRLVRKLCCKCGGNL.....ANS	407
NTDB id 77785 ECR091 RS03740 WP 038415347.1	RLQQMGEVARWMISSALSMLVIAQRLVRRLCPCYCRQEASRHTEL.....PRTLW.....PR..PLPRWQPTGC	383
NTDB id 1436 BW25113 RS00530 WP 001025145.1	RLQQMGEVARWMLSSALTLVIAQRLVRKLCPCRCRRQQGEPIHI.....PDNVW.....PS..PLPHWQAPGC	385
NTDB id 1168 A1552VC RS11070 WP 000957200.1	RLANMGVEVPFNIASSLSLIIAQRLARRLCKHCKIAV.RPSALLQSQFAFQPNIEIL.....YEANAAGC	490
NTDB id 1401 DSB67 RS12665 WP 010643259.1	RLSNMGVESFNLAASSLSLIIAQRLARKLCPCYCRQPQ.EPNSQLQH.IGIANTEQI.....FQANPDGC	489
NTDB id 1293 VP RS12240 WP 005479695.1	RLSNMGVESFNLAASSLSLIIAQRLARKLCPCYCKQPQ.EHTVQLQH.LGIQTTDNI.....FRANPDGC	489
NTDB id 1110 NGFG RS09235 WP 003689817.1	RMLNMGVAPFNIASSVSLIIAQRLRLRLCSSCKQEVERPSASALKEVGFTDEDLA.....K...DWKLYRAVGC	485
NTDB id 1251 GCO85 RS07725 WP 011946523.1	RLVNMGTPTFNIASSVTLIIAQRLARKLCNQCKAVRDDFTNQGLIELGFKEADLV.....NLKLYKAVGC	502
NTDB id 1018 ACIAD RS01685 WP 004920473.1	RLRNMGVASFNIATSVNLVIAQRLARRLCSQCKRPI.QVPERSLLEMGTTPEDLA.....QP..EFQIFEPVGC	498
NTDB id 1058 ABD1 RS01615 WP 001274986.1	RLRNMGVPSFNIAATSVNLVIAQRLARRLCSQCKIPA.DIPKQSLLEMGTFEQDLA.....HP..DFRVFPVGC	498
consensus	!* **!* *** **** *****!!!!!!*!***! *	**

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NTDB id 1410 SGL RS13950 WP 010873519.1	QKCSGSQYKGRVGVYEVMRNSERTIAELINQGATTDRIKDCAV.EEGMITLLAYSLNLVQEGYTTLEEVERVTFDTGLES	637
NTDB id 1028 TT RS08215 WP 011173991.1	ERCGGTGYKGRYAIHELLVVDDERHAIVAGKSATEIKEIAR.RKGMKTLREDGLYKALQGITTTLEEVLTARTIE.....	889
NTDB id 1306 DR RS10060 WP 027479822.1	PRCGGTGYKGRMGIHELMMVDDSLRRTIGAGRPAAEIRDVALGESGLRSLRQDGLIEKALQGLTTLEEVLAVTAS.....	887
NTDB id 1384 A4U84 RS08525 WP 010787006.1	DECY.QGYRGRIGVYQCLSRITAK.....KFDKQTA.YLDFSSLRESAKQKTEQQLTNETEVDRLVGYE.....	461
NTDB id 1366 NTHI RS01950 WP 011271972.1	CDCH.QGYRGRIGVYQFLHWQQN.....GY.....QTDGFENLRESGLEKVSQGITDEKEIERVLGKNS....	464
NTDB id 1355 HI 0298 AAC21962.1	CDCH.QGYRGRIGVYQFLHWQQN.....DY.....QTDGFKNLRASGLEKVSQGITDEKEIERVLGKNL....	464
NTDB id 77785 ECR091 RS03740 WP 038415347.1	ERCY.HGFYGRVAIFEVLVIDDTLRQATASGASTEVIIGSSAR.QAGMTSLFEHGCMTVEQGLTTLEELLRLVLGMPDGC..	459
NTDB id 1436 BW25113 RS00530 WP 001025145.1	VHCY.HGFYGRVATLFEVLPITPVIRQLISANTDVESLETHAR.QACMRTLFEENGCLAVEQGLTTTLEELIRVLGMPHGE..	461
NTDB id 1168 A1552VC RS11070 WP 000957200.1	NECT.GGYSGRVGIYEVMAFNTELAEAIMQRASIHQIERLAK.ANGMQTLQESGLEKLRREGITSFAELQRVLYF.....	562
NTDB id 1401 DSB67 RS12665 WP 010643259.1	NECT.HGYSGRGTGIYEVMMKFDESLEALIKGASVHELEKLAI.ANGMQTLQMSGIEKLEKQGITSFRELQRVLYF.....	561
NTDB id 1293 VP RS12240 WP 005479695.1	NECT.HGYSGRGTGIYEVMMRFDESLEALIKGASVHELEKLAI.ANGMSTLQMSGIEKLEKQGITSFSELQRVLYF.....	561
NTDB id 1110 NGFG RS09235 WP 003689817.1	DRCRGQGYKGRAGVYEVMPISEEMQVRVIMNNGTEVGIILDVAY.KEGMVDLRRAGILKIMQGITSLEEVNTANTND.....	558
NTDB id 1251 GCO85 RS07725 WP 011946523.1	EQCT.SGYRGRVGLFEVLPMTKELGQLIMSGCNSLDILKLAQ.SEGMLTIFQSGIEKVKEGITTIEEVNVRTVD.....	574
NTDB id 1018 ACIAD RS01685 WP 004920473.1	HDCR.EGYKGRVGIYEVMMKITPEISKIIMEDGNALEIAATAE.TLGFNNLRRSGLKKVMQGVTSLQEINRVTSE.....	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	LECR.EGYKGRVGIYEVMMKVTPETISKIIMEDGNALEIAAAASE.KLGFNNLRRSGLKKVMQGVTSLQEVNRTVSE.....	570
consensus	! ****!***** * * * * * ** *	**

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NTDB id 1410 SGL RS13950 WP 010873519.1	EMRAKRRKSALTCTCRTCAAELQQEWLDCPYCMTSRFS	672
NTDB id 1028 TT RS08215 WP 011173991.1	.....	889
NTDB id 1306 DR RS10060 WP 027479822.1	.....	887
NTDB id 1384 A4U84 RS08525 WP 010787006.1	.....	461
NTDB id 1366 NTHI RS01950 WP 011271972.1	.....	464
NTDB id 1355 HI 0298 AAC21962.1	.....	464
NTDB id 77785 ECR091 RS03740 WP 038415347.1	.....	459
NTDB id 1436 BW25113 RS00530 WP 001025145.1	.....	461
NTDB id 1168 A1552VC RS11070 WP 000957200.1	.....	562
NTDB id 1401 DSB67 RS12665 WP 010643259.1	.....	561
NTDB id 1293 VP RS12240 WP 005479695.1	.....	561
NTDB id 1110 NGFG RS09235 WP 003689817.1	.....	558
NTDB id 1251 GC085 RS07725 WP 011946523.1	.....	574
NTDB id 1018 ACIAD RS01685 WP 004920473.1	.....	570
NTDB id 1058 ABD1 RS01615 WP 001274986.1	.....	570
consensus		

-  non conserved
-  similar
-  ≥ 50% conserved