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NTDB id 601 KW2 RS02615 WP 021036805.1	MLCQNCNINEA.....	TI	13
NTDB id 378 SMU RS02690 WP 002263569.1	MLCQNCNINEA.....	TI	13
NTDB id 241 SP RS04015 WP 000882523.1	MLCQNCNINDS.....	TI	13
NTDB id 281 KZH43 RS03550 WP 000882517.1	MLCQNCNINDS.....	TI	13
NTDB id 245 SPD RS03860 WP 000882517.1	MLCQNCNINDS.....	TI	13
NTDB id 243 SPR RS03635 WP 000882517.1	MLCQNCNINDS.....	TI	13
NTDB id 79496 L6485 RS00525 WP 000971179.1	..MMFGRFTERAQKVLALSQEEAIRIGHNNIGTEHILLGLVREGEGLAAKALIALGLSPEKVQKEVEALIG.....RGTEAS	75	75
NTDB id 85 BSU 00860 NP 387967.1	..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGLAAKALQALGLGSEKIQKEVESLIG.....RGQEMS	75	75
NTDB id 610 V4T04 RS10165 WP 012897346.1	MKFENIKYPTPLDRILEKAEYEAHQYQYGTIESAHLAAMATTSGSTAYSLLAGMNVDDSSDLLIDL.....EDLSSHVKVKR	77	77
NTDB id 290 KZH43 RS10025 WP 001109677.1	MNYSKALNECIESAYMVA GHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE....EVALELTETDYSQDET	75	75
NTDB id 289 SPD RS10700 WP 001109677.1	MNYSKALNECIESAYMVA GHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE....EVALELTETDYSQDET	75	75
NTDB id 287 SP RS11210 WP 001109712.1	MNYSKALNECIESAYMVA GHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE....EVALELTETDYSQDET	75	75
NTDB id 377 SMU RS09275 WP 002262344.1	MTDYS LKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFEADVRFEDYQAAAILAIGKKPKSSSN...DI	79	79
NTDB id 329 STER RS00545 WP 011680614.1	MTIYSRKMQAIFHRAQLEAERFESPFL ETWHVLLAMVEVTGSAVYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDI	81	81
NTDB id 327 STU RS10020 WP 011225298.1	MTIYSRKMQAIFHRAQLEAERFESPFL ETWHVLLAMVEVPGSAVYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDI	81	81
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NTDB	id	601	KW2	RS02615	WP	021036805.1	HL	YTSVNG	QKKQ	ID	LCQNCYQ	I	...	MKS	G	Q	EAL	L	F	G	A	G	N	A	S	N	G	N	S	D	E	...	...	P	F	N	P	.	F	N	D	I	F	S	A	L	G	Q	.	D	F	N	G	A	A	S	N	Q		81																																		
NTDB	id	378	SMU	RS02690	WP	002263569.1	HL	YANVNC	QKKQ	ID	LCQNCYQ	I	...	M	K	T	D	P	E	N	G	P	L	N	H	I	S	Q	N	S	S	...	...	...	I	N	P	F	F	D	.	D	F	F	G	D	.	L	N	N	F	R	A	F	N	N	Q	D	L	P	N		80																															
NTDB	id	241	SP	RS04015	WP	000882523.1	HL	YTNLNG	KKKQ	ID	LCQNCYK	I	...	I	K	T	D	P	N	N	S	L	F	K	G	M	T	D	L	N	N	R	D	...	...	...	F	D	P	.	F	G	D	F	F	N	D	.	L	N	N	F	R	P	S	S	N	..	T	P	P		77																															
NTDB	id	281	KZH43	RS03550	WP	000882517.1	HL	YTNLNG	KKKQ	ID	LCQNCYK	I	...	I	K	T	D	P	N	N	S	L	F	K	G	M	T	D	L	N	N	R	D	...	...	...	F	D	P	.	F	G	D	F	F	N	D	.	L	N	N	F	R	P	S	S	N	..	T	P	P		77																															
NTDB	id	245	SPD	RS03860	WP	000882517.1	HL	YTNLNG	KKKQ	ID	LCQNCYK	I	...	I	K	T	D	P	N	N	S	L	F	K	G	M	T	D	L	N	N	R	D	...	...	...	F	D	P	.	F	G	D	F	F	N	D	.	L	N	N	F	R	P	S	S	N	..	T	P	P		77																															
NTDB	id	243	SPR	RS03635	WP	000882517.1	HL	YTNLNG	KKKQ	ID	LCQNCYK	I	...	I	K	T	D	P	N	N	S	L	F	K	G	M	T	D	L	N	N	R	D	...	...	...	F	D	P	.	F	G	D	F	F	N	D	.	L	N	N	F	R	P	S	S	N	..	T	P	P		77																															
NTDB	id	79496	L6485	RS00525	WP	000971179.1	Q	T	V	H	Y	T	P	R	A	K	K	V	I	E	L	S	M	D	E	A	R	K	L	G	H	S	Y	V	G	T	E	H	I	L	L	G	L	I	R	E	G	E	G	V	A	A	R	V	L	N	N	L	G	V	S	L	N	K	A	R	Q	Q	V	L	Q	..	L	L	G	S	N	E			146													
NTDB	id	85	BSU	00860	NP	387967.1	Q	T	I	H	Y	T	P	R	A	K	K	V	I	E	L	S	M	D	E	A	R	K	L	G	H	S	Y	V	G	T	E	H	I	L	L	G	L	I	R	E	G	E	G	V	A	A	R	V	L	N	N	L	G	V	S	L	N	K	A	R	Q	Q	V	L	Q	..	L	L	G	S	N	E			146													
NTDB	id	610	V4T04	RS10165	WP	012897346.1	S	T	L	R	F	S	P	R	A	E	E	V	M	T	A	A	S	F	L	A	I	H	N	N	S	E	A	V	G	T	E	H	L	Y	A	L	L	Q	V	E	D	.	G	F	G	L	Q	L	L	K	L		...	Q	K	I	N	I	V	S	.	L	R	K	E	.	L	E	K	R	T	G	L	K	V	P	E	S	K		153							
NTDB	id	290	KZH43	RS10025	WP	001109677.1	T	E	L	P	F	S	R	R	L	Q	I	L	F	D	E	A	E	Y	V	A	S	.	V	H	A	K	V	L	G	T	E	H	V	L	Y	A	I	L	H	D	S	N	A	L	A	T	R	I	L	E	R	A	G	F	S	Y	E	D	K	K	D	Q	V	K	I	A	A	L	R	R	N	.	L	E	E	R	A	G	W	T	R	E	D	L	K	A		160
NTDB	id	289																																																																																												

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NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 241 SP RS04015 WP 000882523.1
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NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 79496 L6485 RS00525 WP 000971179.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus



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NTDB id 601 KW2 RS02615 WP 021036805.1	GNMDAGNILKPALARGEELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPSVDETITILRGIQARYEDYHHVKYTDEAIEAAAH	320
NTDB id 378 SMU RS02690 WP 002263569.1	GNMDAGNILKPALARGEELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPSVAETITILKGIQPKYEDYHHVKYTDEAIEAAAN	327
NTDB id 241 SP RS04015 WP 000882523.1	GNMDAGNILKPALARGEELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPTVDETITILKGIQKKYEDYHHVQYTDAAIEAAAT	326
NTDB id 281 KZH43 RS03550 WP 000882517.1	GNMDAGNILKPALARGEELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPTVDETITILKGIQKKYEDYHHVQYTDAAIEAAAT	326
NTDB id 245 SPD RS03860 WP 000882517.1	GNMDAGNILKPALARGEELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPTVDETITILKGIQKKYEDYHHVQYTDAAIEAAAT	326
NTDB id 243 SPR RS03635 WP 000882517.1	GNMDAGNILKPALARGEELQLVGATTLNEYR.IIEKDAALERRMQPVKVDEPTVDETITILKGIQKKYEDYHHVQYTDAAIEAAAT	326
NTDB id 79496 L6485 RS00525 WP 000971179.1	GAIDASNILKPSLARGEELQCIGATTLDEYRKYIEKDAALERRFQPIHVDEPSLDESTQILKGLRDRYEAAHHRVSIITDDAIDAAVK	377
NTDB id 85 BSU 00860 NP 387967.1	GAIDASNILKPSLARGEELQCIGATTLDEYRKYIEKDAALERRFQPIQVDQPSVDESTIQLQGLRDRYEAAHHRVSIITDDAIEAAVK	376
NTDB id 610 V4T04 RS10165 WP 012897346.1	SVNDAANILKPALARGDFQMVGATTYHEYQKYIEKDEALERRLARINVDEPSPDEAIAILQGLREKFEDYHQVKFTDQAIKSAVM	390
NTDB id 290 KZH43 RS10025 WP 001109677.1	STLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGLKATYEKHHRVQITDEAVETAVK	403
NTDB id 289 SPD RS10700 WP 001109677.1	STLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGLKATYEKHHRVQITDEAVETAVK	403
NTDB id 287 SP RS11210 WP 001109712.1	STLDAANILKPALARGTLRTVGATTQEEYQKHIEKDAALSRRFAKVTIEEPSVADSMTILQGLKATYEKHHRVQITDEAVETAVK	403
NTDB id 377 SMU RS09275 WP 002262344.1	STLDAANILKPALARGSLRTIGATTQEEYQKHIEKDAALSRRFAKVTIEEPSEEEAYQILLGLKKSSETYHHVIIISDAAVMAAVK	407
NTDB id 297 STER RS00545 WP 011680614.1	STLDAANILKPALARGTLHVMVGATTQAHEYQKHIEKDAALSRRFAKITIEEPSVSEATDILNGLRSSYEDYHRVTITDAAVETAVK	410
NTDB id 329 STU RS10020 WP 011225298.1	STLDAANILKPALARGTLHVMVGATTQAHEYQKHIEKDAALSRRFAKITIEEPSVSEATDILNGLRSSYEDYHRVTITDAAVETAVK	410
consensus	*!!!!!!!!*!!!!*!!!!*!!!!!! !! * !!!!!*!!!! * ****!*****!! !** *!***! ! *! !****!	

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NTDB id 601 KW2 RS02615 WP 021036805.1	LSNRYIQDRFLPDKAIDLLDEAGSKVNLTILKEV.DPKEIDHRLIEAENLKAQATRDDEYEKAAYFRDQIAKYKEMQS.....Q	397
NTDB id 378 SMU RS02690 WP 002263569.1	LSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNFV..DPKEIDHRLIEAENLKAQATRDDEYEKAAYFRDQIAKYKEMQS.....A	404
NTDB id 241 SP RS04015 WP 000882523.1	LSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNFV..DPKVIDQRLIEAENLKSQATREEDFEKAAYFRDQIAKYKEMQK.....K	403
NTDB id 281 KZH43 RS03550 WP 000882517.1	LSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNFV..DPKVIDQRLIEAENLKSQATREEDFEKAAYFRDQIAKYKEMQK.....K	403
NTDB id 245 SPD RS03860 WP 000882517.1	LSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNFV..DPKVIDQRLIEAENLKSQATREEDFEKAAYFRDQIAKYKEMQK.....K	403
NTDB id 243 SPR RS03635 WP 000882517.1	LSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNFV..DPKVIDQRLIEAENLKSQATREEDFEKAAYFRDQIAKYKEMQK.....K	403
NTDB id 79496 L6485 RS00525 WP 000971179.1	LSDRYITDRFLPDKAIDLLDEAASKVRLRSYTTTPPNLKELEVKLEEIRKEKDAAVQSQEFEKAASLRDMEQRLREKLEDTKRQWK	462
NTDB id 85 BSU 00860 NP 387967.1	LSDRYISDRFLPDKAIDLLDEAGSKVRLRSFTTPPNLKELEQKLDEVRKEKDAAVQSQEFEKAASLRDTEQRLREQVEDTKKSWK	461
NTDB id 610 V4T04 RS10165 WP 012897346.1	LSVRYMTSRKLPDKAIDLLDEAAAARKISVKNQQTGRDLLEKELAEAEQEELSEAVIKLDIKASRTKEKAVEKIADKIYKFS....	471
NTDB id 290 KZH43 RS10025 WP 001109677.1	MAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDL....S....PADKALMDGKWKQAAQLIAKEE.....E....	467
NTDB id 289 SPD RS10700 WP 001109677.1	MAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDL....S....PADKALMDGKWKQAAQLIAKEE.....E....	467
NTDB id 287 SP RS11210 WP 001109712.1	MAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHVKADDSDL....S....PADKALMDGKWKQAAQLIAKEE.....E....	467
NTDB id 377 SMU RS09275 WP 002262344.1	GAHRYLSGNLPSAIDLLDEASATVQGLVKK..KAPAYL....T....DLDHALITNDYQLAKRLLKKEK.....K....	469
NTDB id 297 STER RS00545 WP 011680614.1	AAHRYLTSKNLPDSAIDLLDEASATVQVRICK..EDKREI....T....PLDEALISGDIGAAVKQYKANQ.....K....	472
NTDB id 329 STU RS10020 WP 011225298.1	AAHRYLTSKNLPDSAIDLLDEASATVQVRICK..EAKREI....T....PLDEALISGDIGAAVKQYKANQ.....K....	472
consensus	** !*** * !!!!!*!!!!*!!!!* **** * * * *** * * !* ** *	

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NTDB id	601	KW2	RS02615	WP	021036805.1	EVTDEDMPVITEKDI	EQIVEQKTQIPVGD	LKEKEQQTQLINL	ADDLKAHVIGQDE	AVDKISKAIRRSRV	GLGKPNRPIGSF	LFVGP	482
NTDB id	378	SMU	RS02690	WP	002263569.1	KLDKENTPVITEKNI	IEVIVEQKTNIPVG	ELKEEQQSQLIHL	ADDLKTRVIGQDA	AVDKIAKAIRNRV	VGLGTPNRPIGSF	LFVGP	489
NTDB id	241	SP	RS04015	WP	000882523.1	KITDQDTPSISEKTI	IEHIIIEQKTNIPV	GDLEKEEQSQLIHL	AEDLKSHVIGQDD	AVDKIAKAIRNRV	VGLGTPNRPIGSF	LFVGP	488
NTDB id	281	KZH43	RS03550	WP	000882517.1	KITDQDTPITISEKTI	IEHIIIEQKTNIPV	GDLEKEEQSQLIHL	AEDLKSHVIGQDD	AVDKIAKAIRNRV	VGLGTPNRPIGSF	LFVGP	488
NTDB id	245	SPD	RS03860	WP	000882517.1	KITDQDTPITISEKTI	IEHIIIEQKTNIPV	GDLEKEEQSQLIHL	AEDLKSHVIGQDD	AVDKIAKAIRNRV	VGLGTPNRPIGSF	LFVGP	488
NTDB id	243	SPR	RS03635	WP	000882517.1	KITDQDTPITISEKTI	IEHIIIEQKTNIPV	GDLEKEEQSQLIHL	AEDLKSHVIGQDD	AVDKIAKAIRNRV	VGLGTPNRPIGSF	LFVGP	488
NTDB id	79496	L6485	RS00525	WP	000971179.1	EQQKGENSEVTVED	IANVVSTWTRIPV	SKLAQTETDKLLN	LESILHDRVIGQDE	AVVAVAKAVRRAR	AGLKDPKRPIGSF	IFLGP	547
NTDB id	85	BSU	00860	NP	387967.1	EKQGGQENSEVTVD	DIAMVVSSWTGVP	VSKEIAQTETDKLL	NMENILHSRVIGQDE	AVVAVAKAVRRAR	AGLKDPKRPIGSF	IFLGP	546
NTDB id	610	V4T04	RS10165	WP	012897346.1	VKEDKRQEVTDQAV	VAVASTLTGVPIT	QMTKSESDRLINLE	KEELHKKRVVGQEE	ATISAVSRAIRRARS	GVADSRPMGSFM	FLGP	555
NTDB id	290	KZH43	RS10025	WP	001109677.1	VPV.YKDLVTESD	ILTTLSRLSGIPV	QKLTQTDAKKYLN	NLEAELHKKRVIGQD	QAVSSISRRAIRRN	QSGIRSHKRP	IGSFMFLGP	550
NTDB id	289	SPD	RS10700	WP	001109677.1	VPV.YKDLVTESD	ILTTLSRLSGIPV	QKLTQTDAKKYLN	NLEAELHKKRVIGQD	QAVSSISRRAIRRN	QSGIRSHKRP	IGSFMFLGP	550
NTDB id	287	SP	RS11210	WP	001109712.1	VPV.YKDLVTESD	ILTTLSRLSGIPV	QKLTQTDAKKYLN	NLEAELHKKRVIGQD	QAVSSISRRAIRRN	QSGIRSHKRP	IGSFMFLGP	550
NTDB id	377	SMU	RS09275	WP	002262344.1	PLKKRAEVKKEED	ILATLSKLSGIPV	KKLTQADSKKYLN	LNERELHKKRVIGQD	DAVSSISRRAIRRN	QSGIRVGRKRP	IGSFMFLGP	553
NTDB id	297	STER	RS00545	WP	011680614.1	AKFPPKPALVDADQ	IMQTLSRLSGIPV	EKMTQTDSKRYLN	NLESELHKKRVIGQDE	AVSAISRRAIRRN	QSGIRITGKRPIGSF	MFLGP	556
NTDB id	329	STU	RS10020	WP	011225298.1	AKFPPKPALVDADQ	IMQTLSRLSGIPV	EKMTQTDSKRYLN	NLESELHKKRVIGQDE	AVSAISRRAIRRN	QSGIRITGKRPIGSF	MFLGP	556
consensus						*	*****	*	***	*	*****	*****	*****

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NTDB id	601	KW2	RS02615	WP	021036805.1	TGVGKTELAKQ	LAKELFGSS	ES	SMIRFDMSEYMEKHSV	AKL	L	I	GAPPGYVGVE	E	A	QGLTER	V	R	R	N	P	S	L	I	L	L	D	E	T	E	K	A	H	P	D	V	M	H	M	F	L	567																																																																																																																																																																																																																																																																																																																																																																																																																				
NTDB id	378	SMU	RS02690	WP	002263569.1	TGVGKTEL	SKQLAI	ELFGS	ED	SMIRFDMSEYMEKH	AV	AK	L	V	GAPPGYVGVE	E	A	QGLTEK	V	R	R	N	P	S	L	I	L	L	D	E	V	E	K	A	H	P	D	V	M	H	M	F	L	574																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id	241	SP	RS04015	WP	000882523.1	TGVGKTEL	SKQLAI	ELFGS	AD	SMIRFDMSEYMEKHSV	AK	L	V	GAPPGYVGVE	D	E	A	QGLTEK	V	R	H	N	P	S	L	I	L	L	D	E	V	E	K	A	H	P	D	V	M	H	M	F	L	573																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id	281	KZH43	RS03550	WP	000882517.1	TGVGKTEL	SKQLAI	ELFGS	AD	SMIRFDMSEYMEKHSV	AK	L	V	GAPPGYVGVE	D	E	A	QGLTEK	V	R	H	N	P	S	L	I	L	L	D	E	V	E	K	A	H	P	D	V	M	H	M	F	L	573																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id	245	SPD	RS03860	WP	000882517.1	TGVGKTEL	SKQLAI	ELFGS	AD	SMIRFDMSEYMEKHSV	AK	L	V	GAPPGYVGVE	D	E	A	QGLTEK	V	R	H	N	P	S	L	I	L	L	D	E	V	E	K	A	H	P	D	V	M	H	M	F	L	573																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id	243	SPR	RS03635	WP	000882517.1	TGVGKTEL	SKQLAI	ELFGS	AD	SMIRFDMSEYMEKHSV	AK	L	V	GAPPGYVGVE	D	E	A	QGLTEK	V	R	H	N	P	S	L	I	L	L	D	E	V	E	K	A	H	P	D	V	M	H	M	F	L	573																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id	79496	L6485	RS00525	WP	000971179.1	TGVGKTEL	ARALAE	S	MFGD	ED	AMIRIDMSEYMEKH	ST	S	R	L	V	G	S	P	P	G	Y	V	G	E	E	G	Q	L	T	E	K	V	R	R	K	P	Y	S	V	L	L	D	E	V	E	K	A	H	P	D	V	F	N	I	L	632																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB id	85	BSU	00860	NP	387967.1	TGVGKTEL	ARALAE	S	I	F	G	D	E	S	MIRIDMSEYMEKH	ST	S	R	L	V	G	S	P	P	G	Y	V	G	E	E	G	Q	L	T	E	K	V	R	R	K	P	Y	S	V	L	L	D	E	T	E	K	A	H	P	D	V	F	N	I	L	631																																																																																																																																																																																																																																																																																																																																																																																																	
NTDB id	610	V4T04	RS10165	WP	012897346.1	TGVGKTEL	AKALADS	V	F	G	S	D	N	MIRVDMSE	F	M	E	K	H	S	T	S	R	L	I	G	A	P	P	G	Y	V	G	E	E	G	Q	L	T	E	V	R	N	K	P	Y	S	V	L	L	D	E	V	E	K	A	H	P	D	V	F	N	I	M	L	640																																																																																																																																																																																																																																																																																																																																																																																												
NTDB id	290	KZH43	RS10025	WP	001109677.1	TGVGKTEL	AKALAE	V	L	F	D	D	E	S	A	L	I	R	F	D	M	S	E	Y	M	E	K	F	A	A	S	R	L	N	G	A	P	P	G	Y	V	G	E	E	G	E	L	T	E	K	V	R	N	K	P	Y	S	V	L	L	F	D	E	V	E	K	A	H	P	D	I	F	N	V	L	635																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id	289	SPD	RS10700	WP	001109677.1	TGVGKTEL	AKALAE	V	L	F	D	D	E	S	A	L	I	R	F	D	M	S	E	Y	M	E	K	F	A	A	S	R	L	N	G	A	P	P	G	Y	V	G	E	E	G	E	L	T	E	K	V	R	N	K	P	Y	S	V	L	L	F	D	E	V	E	K	A	H	P	D	I	F	N	V	L	635																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id	287	SP	RS11210	WP	001109712.1	TGVGKTEL	AKALAE	V	L	F	D	D	E	S	A	L	I	R	F	D	M	S	E	Y	M	E	K	F	A	A	S	R	L	N	G	A	P	P	G	Y	V	G	E	E	G	E	L	T	E	K	V	R	N	K	P	Y	S	V	L	L	F	D	E	V	E	K	A	H	P	D	I	F	N	V	L	635																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id	377	SMU	RS09275	WP	002262344.1	TGVGKTEL	AKALAE	V	L	F	D	D	E	S	A	L	I	R	F	D	M	S	E	Y	M	E	K	F	A	A	S	R	L	N	G	A	P	P	G	Y	V	G	E	E	G	E	L	T	E	K	V	R	N	K	P	Y	S	V	L	L	F	D	E	V	E	K	A	H	P	D	I	F	N	V	L	638																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id	297	STER	RS00545	WP	011680614.1	TGVGKTEL	AKALAE	V	L	F	D	D	E	S	A	L	I	R	F	D	M	S	E	Y	M	E	K	F	A	A	S	R	L	N	G	A	P	P	G	Y	V	G	E	E	G	E	L	T	E	K	V	R	N	K	P	Y	S	V	L	L	F	D	E	T	E	K	A	H	P	D	I	F	N	V	L	641																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id	329	STU	RS10020	WP	011225298.1	TGVGKTEL	AKALAE	V	L	F	D	D	E	S	A	L	I	R	F	D	M	S	E	Y	M	E	K	F	A	A	S	R	L	N	G	A	P	P	G	Y	V	G	E	E	G	E	L	T	E	K	V	R	N	K	P	Y	S	V	L	L	F	D	E	T	E	K	A	H	P	D	I	F	N	V	L	641																																																																																																																																																																																																																																																																																																																																																																																		
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logo

NTDB id 601 KW2 RS02615 WP 021036805.1	ISNQTQETAETTDDEEVPAE	748
NTDB id 378 SMU RS02690 WP 002263569.1	VIKASNK.VETVTKATSD.	753
NTDB id 241 SP RS04015 WP 000882523.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id 281 KZH43 RS03550 WP 000882517.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id 245 SPD RS03860 WP 000882517.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id 243 SPR RS03635 WP 000882517.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id 79496 L6485 RS00525 WP 000971179.1	VIHSAEKVK.....	811
NTDB id 85 BSU 00860 NP 387967.1	VVKTTAKTN.....	810
NTDB id 610 V4T04 RS10165 WP 012897346.1	KIAQIV.....	816
NTDB id 290 KZH43 RS10025 WP 001109677.1	KFDIA.....	810
NTDB id 289 SPD RS10700 WP 001109677.1	KFDIA.....	810
NTDB id 287 SP RS11210 WP 001109712.1	KFDIA.....	810
NTDB id 377 SMU RS09275 WP 002262344.1	KFDIV.....	813
NTDB id 297 STER RS00545 WP 011680614.1	TFTVV.....	816
NTDB id 329 STU RS10020 WP 011225298.1	TFTVV.....	816
consensus		



-  non conserved
-  similar
-  $\geq 50\%$ conserved