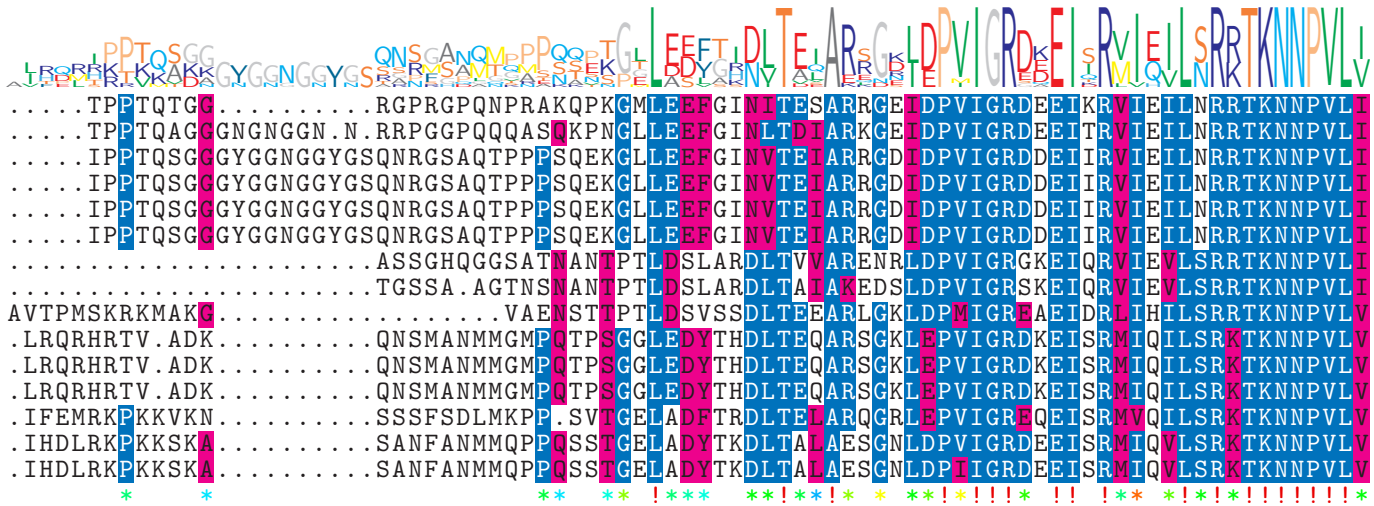


NTDB id 601 KW2 RS02615 WP 021036805.1	MLCQNCNINEA.....TI	13
NTDB id 378 SMU RS02690 WP 002263569.1	MLCQNCNINEA.....TI	13
NTDB id 241 SP RS04015 WP 000882523.1	MLCQNCNINDS.....TI	13
NTDB id 281 KZH43 RS03550 WP 000882517.1	MLCQNCNINDS.....TI	13
NTDB id 245 SPD RS03860 WP 000882517.1	MLCQNCNINDS.....TI	13
NTDB id 243 SPR RS03635 WP 000882517.1	MLCQNCNINDS.....TI	13
NTDB id 96925 ATN07 RS00530 WP 000971172.1	..MMFGRFTERAQKVLALSQEEAIRIGHNNIGTEHILLGLVREGEGLAAKALIALGLSPEKVQKEVEALIG.....RGTEAS	75
NTDB id 85 BSU 00860 NP 387967.1	..MMFGRFTERAQKVLALAQEEALRLGHNNIGTEHILLGLVREGEGLAAKALQALGLGSEKIQKEVESLIG.....RGQEMS	75
NTDB id 610 V4T04 RS10165 WP 012897346.1	MKFENIKYPTPLDRILEKAEYEAHQYQYGTIESAHLILAAMATTSGSTAYSLLAGMNVDDSSDLLIDL.....EDLSSHVKVKR	77
NTDB id 290 KZH43 RS10025 WP 001109677.1	MNYSKALNECIESAYMVA GHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75
NTDB id 289 SPD RS10700 WP 001109677.1	MNYSKALNECIESAYMVA GHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75
NTDB id 287 SP RS11210 WP 001109712.1	MNYSKALNECIESAYMVA GHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75
NTDB id 377 SMU RS09275 WP 002262344.1	...MTDYS LKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFADVRFEDYQAAAILAIGKKPKSSSN..DI	79
NTDB id 297 STER RS00545 WP 011680614.1	...MTIYSRKMQAIFHRAQLEAERFESPFL ETWHVLLAMVEVTGSVAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDI	81
NTDB id 329 STU RS10020 WP 011225298.1	...MTIYSRKMQAIFHRAQLEAERFESPFL ETWHVLLAMVEVPGSVAYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDI	81
consensus	*** * * * * *	

NTDB	id	601	KW2	RS02615	WP	021036805.1	HL	YTSVNG	QKKKQ	ID	LCQNCYQ	I	...	MKS	G	Q	EAL	L	F	G	A	N	S	N	G	S	D	E	...	P	F	N	P	.	F	N	D	I	F	S	A	L	Q	G	Q	.	D	F	N	G	A	A	S	N	Q		81																																			
NTDB	id	378	SMU	RS02690	WP	002263569.1	HL	YANVNC	QKKKQ	ID	LCQNCYQ	I	...	M	K	T	D	P	E	N	G	P	L	N	H	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	KKKKQ	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	KKKKQ	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	KKKKQ	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	KKKKQ	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	96925	ATN07	RS00530	WP	000971172.1	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	O0860	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	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	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	N	L	E	E	R	A	G	W	T	R	E	D	L	K	A		160
NTDB	id	289	SPD	RS10700	WP	001109677.1	T	E	L	P	F	S	R	R	L	Q	I	L	F</																																																																									

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NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 96925 ATN07 RS00530 WP 000971172.1
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
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 96925 ATN07 RS00530 WP 000971172.1
NTDB id 85 BSU 00860 NP 387967.1
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NTDB id 290 KZH43 RS10025 WP 001109677.1
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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 96925 ATN07 RS00530 WP 000971172.1	GAIDASNILKPSLARGEELQCIGATTLDDEYRKYIEKDAALERRFQPIHVDEPSLEESIQLKGLRDRYEAAHHRVSIITDDAIDA AVK	377
NTDB id 85 BSU 00860 NP 387967.1	GAIDASNILKPSLARGEELQCIGATTLDDEYRKYIEKDAALERRFQPIQVDQPSVDESIIQLGLRDRYEAAHHRVSIITDDAIEAAVK	376
NTDB id 610 V4T04 RS10165 WP 012897346.1	SVNDAANILKPALARGDFQMVGATTYHEYQKYIEKDEALERRLARINVDEPSPDEAIAILQGLREKFEDYHQVKFTDQAIKS SAVM	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	STLDAANILKPALARGSLRTIGATTQEEYQKHIEKDAALSRRFAKVTIEEPSEEEAYQILLGLKKS YET YHHV IISDAAVMAAVK	407
NTDB id 297 STER RS00545 WP 011680614.1	STLDAANILKPALARGTLHVMVGATTQA EYQKHIEKDAALSRRFAKITIEEPSVSEATDILNGLRSSYEDYHRVTITDAAVETAVK	410
NTDB id 329 STU RS10020 WP 011225298.1	STLDAANILKPALARGTLHVMVGATTQA EYQKHIEKDAALSRRFAKITIEEPSVSEATDILNGLRSSYEDYHRVTITDAAVETAVK	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 96925 ATN07 RS00530 WP 000971172.1	LSDRYITDRFLPDKAIDLIDEAASKVRLRSYTTTPPNLKELEVKLEEIRKEKDAAVQSQEF EKAASLRDMEQRLREKLEDTKRQWK	462
NTDB id 85 BSU 00860 NP 387967.1	LSDRYISDRFLPDKAIDLIDEAASKVRLRSFTTPPNLKELEQKLEVRKEKDAAVQSQEF EKAASLRDTEQRLREQVEDTKKSWK	461
NTDB id 610 V4T04 RS10165 WP 012897346.1	LSVRYMTSRKLPDKAIDLLDEAAA AVKISVKNQQT KRLDLEKELAEAEQEELSEAVIKLDIKASRTKEKAVEKIADKIYKFS....	471
NTDB id 290 KZH43 RS10025 WP 001109677.1	MAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHV KADDSDL.....S....PADKALMDGKWKQAAQLIAKEE.....E....	467
NTDB id 289 SPD RS10700 WP 001109677.1	MAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHV KADDSDL.....S....PADKALMDGKWKQAAQLIAKEE.....E....	467
NTDB id 287 SP RS11210 WP 001109712.1	MAHRYLTSRHLPDSAIDLLDEAAATVQNKAKHV KADDSDL.....S....PADKALMDGKWKQAAQLIAKEE.....E....	467
NTDB id 377 SMU RS09275 WP 002262344.1	GAHRYLSGKNLPDSAIDLLDEASATVQGLVKK..KAPAYL....T....DLDHALITNDYQLAKRLLKKEK.....K....	469
NTDB id 297 STER RS00545 WP 011680614.1	AAHRYLTSKNLPDSAIDLLDEASATVQVR IKK..EDKREI....T....PLDEALISGDIGA AVKQYKANQ.....K....	472
NTDB id 329 STU RS10020 WP 011225298.1	AAHRYLTSKNLPDSAIDLLDEASATVQVR IKK..EAKREI....T....PLDEALISGDIGA AVKQYKANQ.....K....	472
consensus	** !!!!! * !!!!!*!!!!!!*!!!!* **** * * * **** * * !* ** *	

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NTDB id 601 KW2 RS02615 WP 021036805.1	EVTDEDMPVITEKDI	EQIVEQKTQIPVGD	LKEKEQQTQLINL	ADDLKAHVIGQDE	AVDVKISKA	IRRSRVGLGKPNR	PIGSFLFVGP	482
NTDB id 378 SMU RS02690 WP 002263569.1	KLDKENTPVITEKNI	IEVIVEQKTNIPVG	ELKEKEQSQLIHL	ADDLKTRVIGQDA	AVDKIAKA	IRNRVGLGTPNR	PIGSFLFVGP	489
NTDB id 241 SP RS04015 WP 000882523.1	KITDQDTPSISEKTI	IEHIEQKTNIPVGD	LKEKEQSQLIHLA	EADLKSHVIGQDD	AVDKIAKA	IRNRVGLGTPNR	PIGSFLFVGP	488
NTDB id 281 KZH43 RS03550 WP 000882517.1	KITDQDTPITISEKTI	IEHIEQKTNIPVGD	LKEKEQSQLIHLA	EADLKSHVIGQDD	AVDKIAKA	IRNRVGLGTPNR	PIGSFLFVGP	488
NTDB id 245 SPD RS03860 WP 000882517.1	KITDQDTPITISEKTI	IEHIEQKTNIPVGD	LKEKEQSQLIHLA	EADLKSHVIGQDD	AVDKIAKA	IRNRVGLGTPNR	PIGSFLFVGP	488
NTDB id 243 SPR RS03635 WP 000882517.1	KITDQDTPITISEKTI	IEHIEQKTNIPVGD	LKEKEQSQLIHLA	EADLKSHVIGQDD	AVDKIAKA	IRNRVGLGTPNR	PIGSFLFVGP	488
NTDB id 96925 ATN07 RS00530 WP 000971172.1	EQQKGENSEVTVED	IANVVSTWTRIPVSK	LAQTETDKLLNLES	ILHDLRIGQDE	AVVAVAKA	VRRARAGLKDPKR	PIGSFIFLGP	547
NTDB id 85 BSU 00860 NP 387967.1	EKQGGENSEVTVDD	IAMVVSSWTGVPVSK	IAQTETDKLLNMEN	ILHSRVIGQDE	AVVAVAKA	VRRARAGLKDPKR	PIGSFIFLGP	546
NTDB id 610 V4T04 RS10165 WP 012897346.1	VKEDKRQEVTDQAV	VAVASTLTGVPITQ	MTKSESDRLINLEK	ELHKRVVGQEEA	ISAVSRA	IRRARSGVADSR	RRPMGSFMFLGP	555
NTDB id 290 KZH43 RS10025 WP 001109677.1	VPV.YKDLVTESDIL	TTL SRLSGIPVQKLT	QTDAKKYLNLEAE	LHKRVIGQDQAVSS	ISRAIRRNQSGIRSHK	RPIGSFMFLGP		550
NTDB id 289 SPD RS10700 WP 001109677.1	VPV.YKDLVTESDIL	TTL SRLSGIPVQKLT	QTDAKKYLNLEAE	LHKRVIGQDQAVSS	ISRAIRRNQSGIRSHK	RPIGSFMFLGP		550
NTDB id 287 SP RS11210 WP 001109712.1	VPV.YKDLVTESDIL	TTL SRLSGIPVQKLT	QTDAKKYLNLEAE	LHKRVIGQDQAVSS	ISRAIRRNQSGIRSHK	RPIGSFMFLGP		550
NTDB id 377 SMU RS09275 WP 002262344.1	PLLKKRAEVKKEED	ILATLSKLSGIPVKKLT	QADSKKYLNLEREL	LHKRVIGQDDAVSS	ISRAIRRNQSGIRVGK	RPIGSFMFLGP		553
NTDB id 297 STER RS00545 WP 011680614.1	AKFPKPALVDADQIM	QTL SRLSGIPVEKMT	QTDSKRYLNLESEL	LHKRVIGQDEAVSA	ISRAIRRNQSGIRITGK	RPIGSFMFLGP		556
NTDB id 329 STU RS10020 WP 011225298.1	AKFPKPALVDADQIM	QTL SRLSGIPVEKMT	QTDSKRYLNLESEL	LHKRVIGQDEAVSA	ISRAIRRNQSGIRITGK	RPIGSFMFLGP		556
consensus	*	*****	*	***	*	*****	*!* ****!*!* *	*!*!!!!*!*!* *

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NTDB id 601 KW2 RS02615 WP 021036805.1	TGVGKTELAKALAEV	LFDEDSMIR	EDMSEYMEKH	SVSRVNGAPP	GYVGYDEEGQL	TEKVRNKPYS	VLLDEVEKA	HPDVFNIML	567
NTDB id 378 SMU RS02690 WP 002263569.1	TGVGKTELAKALAEV	LFDEDSMIR	EDMSEYMEKH	SVSRVNGAPP	GYVGYDEEGQL	TEKVRNKPYS	VLLDEVEKA	HPDVFNIML	574
NTDB id 241 SP RS04015 WP 000882523.1	TGVGKTELAKALAEV	LFDEDSMIR	EDMSEYMEKH	SVSRVNGAPP	GYVGYDEEGQL	TEKVRNKPYS	VLLDEVEKA	HPDVFNIML	573
NTDB id 281 KZH43 RS03550 WP 000882517.1	TGVGKTELAKALAEV	LFDEDSMIR	EDMSEYMEKH	SVSRVNGAPP	GYVGYDEEGQL	TEKVRNKPYS	VLLDEVEKA	HPDVFNIML	573
NTDB id 245 SPD RS03860 WP 000882517.1	TGVGKTELAKALAEV	LFDEDSMIR	EDMSEYMEKH	SVSRVNGAPP	GYVGYDEEGQL	TEKVRNKPYS	VLLDEVEKA	HPDVFNIML	573
NTDB id 243 SPR RS03635 WP 000882517.1	TGVGKTELAKALAEV	LFDEDSMIR	EDMSEYMEKH	SVSRVNGAPP	GYVGYDEEGQL	TEKVRNKPYS	VLLDEVEKA	HPDVFNIML	573
NTDB id 96925 ATN07 RS00530 WP 000971172.1	TGVGKTELARALAES	MFDEEDAMIR	IDMSEYMEKH	STSRVLGSP	PGYVGYEEG	QLTEKVRRK	PYSVLLDE	VEKAHPDVFNILL	632
NTDB id 85 BSU 00860 NP 387967.1	TGVGKTELARALAES	MFDEEDAMIR	IDMSEYMEKH	STSRVLGSP	PGYVGYEEG	QLTEKVRRK	PYSVLLDE	VEKAHPDVFNILL	631
NTDB id 610 V4T04 RS10165 WP 012897346.1	TGVGKTELAKALADS	VFGSEDNMIR	VDMSEFMEKH	STSRVLGAPP	GYVGYDEGG	QLTEKVRN	KPYSVLLDE	VEKAHPDVFNIML	640
NTDB id 290 KZH43 RS10025 WP 001109677.1	TGVGKTELAKALAEV	LFDDDESALIR	FDMSYMEKFAA	SRLNGAPP	GYVGYEEGG	ELTEKVRN	KPYSVLLF	DEVEKAHPDIFNVLL	635
NTDB id 289 SPD RS10700 WP 001109677.1	TGVGKTELAKALAEV	LFDDDESALIR	FDMSYMEKFAA	SRLNGAPP	GYVGYEEGG	ELTEKVRN	KPYSVLLF	DEVEKAHPDIFNVLL	635
NTDB id 287 SP RS11210 WP 001109712.1	TGVGKTELAKALAEV	LFDDDESALIR	FDMSYMEKFAA	SRLNGAPP	GYVGYEEGG	ELTEKVRN	KPYSVLLF	DEVEKAHPDIFNVLL	635
NTDB id 377 SMU RS09275 WP 002262344.1	TGVGKTELAKALAEV	LFDDDESALIR	FDMSYMEKFAA	SRLNGAPP	GYVGYEEGG	ELTEKVRN	KPYSVLLF	DEVEKAHPDIFNVLL	638
NTDB id 297 STER RS00545 WP 011680614.1	TGVGKTELAKALAEV	LFDDDESALIR	FDMSYMEKFAA	SRLNGAPP	GYVGYDEGG	ELTEKVRN	KPYSVLLF	DEVEKAHPDIFNVLL	641
NTDB id 329 STU RS10020 WP 011225298.1	TGVGKTELAKALAEV	LFDDDESALIR	FDMSYMEKFAA	SRLNGAPP	GYVGYDEGG	ELTEKVRN	KPYSVLLF	DEVEKAHPDIFNVLL	641
consensus	!!!!!!!!!!!!*	*****	*!* *	***	*****	*****	*****	*****	*****

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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 96925 ATN07 RS00530 WP 000971172.1	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
-  ≥ 50% conserved