

logo

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 73391 FNP71 RS00575 WP 003235011.1	..MMFGRFTERAQKVLALAQEEALRLGHNNGTEHILLGLVREGEGLAAKALQALGLGSEKIQKEVESLIG.....RGQEMS	75	
NTDB id 85 BSU 00860 NP 387967.1	..MMFGRFTERAQKVLALAQEEALRLGHNNGTEHILLGLVREGEGLAAKALQALGLGSEKIQKEVESLIG.....RGQEMS	75	
NTDB id 610 V4T04 RS10165 WP 012897346.1	MKFENIKYPTPLDRILEKAE EYAHQYQYGTIESAHLAAMATTSGSTAYSLLAGMNVDDSSDLLIDL.....EDLSSHVVKVR	77	
NTDB id 290 KZH43 RS10025 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75	
NTDB id 289 SPD RS10700 WP 001109677.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75	
NTDB id 287 SP RS11210 WP 001109712.1	MNYSKALNECIESAYMVAGHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE.....EVALELTETDYSQDET	75	
NTDB id 377 SMU RS09275 WP 002262344.1	...MTDYS LKMQEVFRLAQFEAARFESSYLESWHVLLAMVEIDSSVAGLSFAEFEADVRFEDYQAAAILAIGKKPKSSSN...DI	79	
NTDB id 329 STER RS00545 WP 011680614.1	...MTIYSRKMQAIFHRAQLEAERFESPFL ETWHVLLAMVEVTGSAVYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDI	81	
NTDB id 327 STU RS10020 WP 011225298.1	...MTIYSRKMQAIFHRAQLEAERFESPFL ETWHVLLAMVEVPGSAVYLTFTDFEDRIHSEEIETA AVLAMEKRPKDLSESDI	81	
consensus	*** * * * * *	**	

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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	Q	G	Q	.	D	F	N	G	A	A	S	N	.	80																																				
NTDB	id	378	SMU	RS02690	WP	002263569.1	HL	YANVNG	QKKQ	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	.	79																																	
NTDB	id	241	SP	RS04015	WP	000882523.1	HL	YTNLNG	KKKQ	ID	LCQNCYK	I	...	I	K	T	D	P	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	.	76																																	
NTDB	id	281	KZH43	RS03550	WP	000882517.1	HL	YTNLNG	KKKQ	ID	LCQNCYK	I	...	I	K	T	D	P	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	.	76																																	
NTDB	id	245	SPD	RS03860	WP	000882517.1	HL	YTNLNG	KKKQ	ID	LCQNCYK	I	...	I	K	T	D	P	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	.	76																																	
NTDB	id	243	SPR	RS03635	WP	000882517.1	HL	YTNLNG	KKKQ	ID	LCQNCYK	I	...	I	K	T	D	P	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	.	76																																	
NTDB	id	73391	FNP71	RS00575	WP	003235011.1	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	T	.	...	147											
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	T	.	...	147											
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	.	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	.	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
NT																																																																																																

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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 73391 FNP71 RS00575 WP 003235011.1
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 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
consensus

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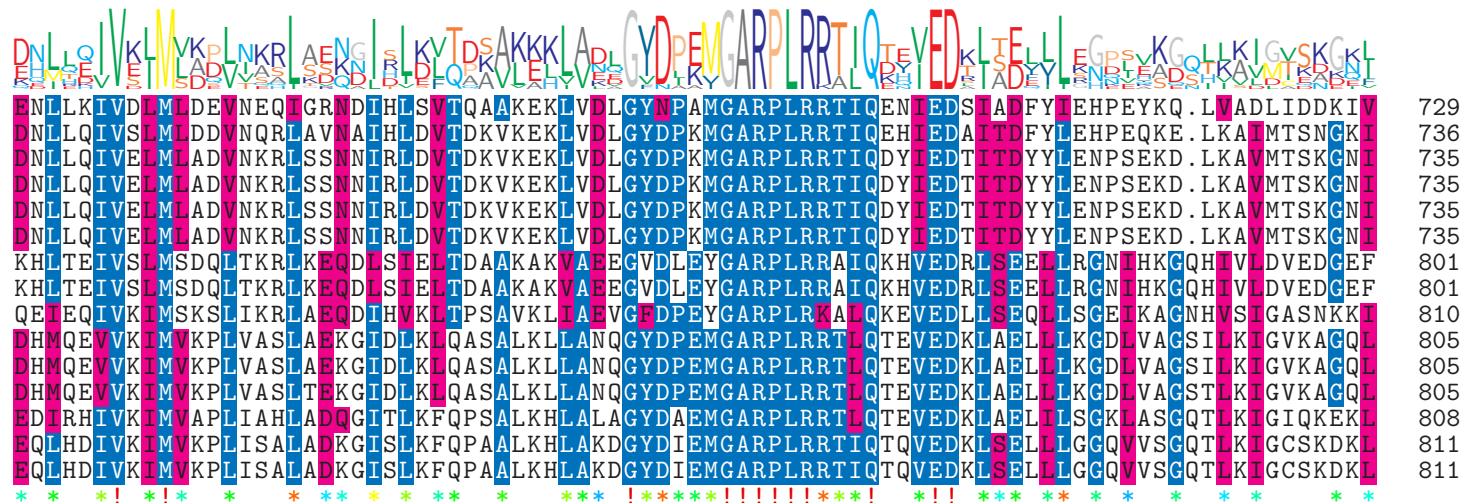
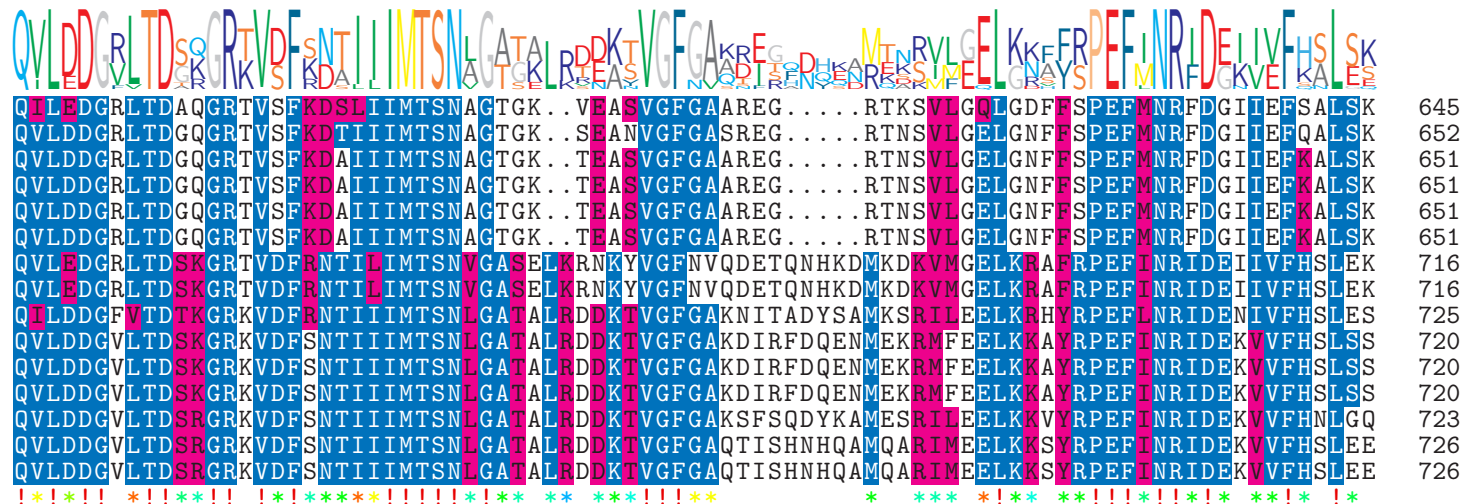


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NTDB id 601 KW2 RS02615 WP 021036805.1	EVTDEDMPVITEKDI	IEQIVEQKTQIPVGD	LKEKEQQTQLINLAD	DLKAHVIGQDEAVDK	ISKAIRRSRVGLGKPNRPIGSFLFVGP	482										
NTDB id 378 SMU RS02690 WP 002263569.1	KLDKENTPVITEKNI	IEVIVEQKTNIPVGEL	KEKEEQSQLIHLADD	LKTRVIGQDAAVDK	IAKAIRNRVGLGTPNRPIGSFLFVGP	489										
NTDB id 241 SP RS04015 WP 000882523.1	KITDQDTPSISEKTI	IEHIIIEQKTNIPVGD	LKEKEEQSQLIHLAED	LKSHVIGQDDAVDK	IAKAIRNRVGLGTPNRPIGSFLFVGP	488										
NTDB id 281 KZH43 RS03550 WP 000882517.1	KITDQDTPITISEKTI	IEHIIIEQKTNIPVGD	LKEKEEQSQLIHLAED	LKSHVIGQDDAVDK	IAKAIRNRVGLGTPNRPIGSFLFVGP	488										
NTDB id 245 SPD RS03860 WP 000882517.1	KITDQDTPITISEKTI	IEHIIIEQKTNIPVGD	LKEKEEQSQLIHLAED	LKSHVIGQDDAVDK	IAKAIRNRVGLGTPNRPIGSFLFVGP	488										
NTDB id 243 SPR RS03635 WP 000882517.1	KITDQDTPITISEKTI	IEHIIIEQKTNIPVGD	LKEKEEQSQLIHLAED	LKSHVIGQDDAVDK	IAKAIRNRVGLGTPNRPIGSFLFVGP	488										
NTDB id 73391 FNP71 RS00575 WP 003235011.1	EKQGGENSEVTVD	IAMVVSSWTGVPVSK	IAQTETDKLLNMENIL	HSRVIGQDEAVVA	VAKAVRRARAGLKDPKRPIGSFIFLGP	546										
NTDB id 85 BSU 00860 NP 387967.1	EKQGGENSEVTVD	IAMVVSSWTGVPVSK	IAQTETDKLLNMENIL	HSRVIGQDEAVVA	VAKAVRRARAGLKDPKRPIGSFIFLGP	546										
NTDB id 610 V4T04 RS10165 WP 012897346.1	VKEDKRQEVTDQA	VVAVASTLTGVPITQMTKSE	SDRLINLEKELHKKRVGQEEA	ISAVSRAIRRARSGVADSRPMSGFMFLGP	555											
NTDB id 290 KZH43 RS10025 WP 001109677.1	VPV.YKDLVTESD	ILTTLSRLSGIPVQKLTQTDA	KKYLNLEAELHKKRVIGQDQAVSS	ISRAIRRNQSGIRSHKRPIGSFMFLGP	550											
NTDB id 289 SPD RS10700 WP 001109677.1	VPV.YKDLVTESD	ILTTLSRLSGIPVQKLTQTDA	KKYLNLEAELHKKRVIGQDQAVSS	ISRAIRRNQSGIRSHKRPIGSFMFLGP	550											
NTDB id 287 SP RS11210 WP 001109712.1	VPV.YKDLVTESD	ILTTLSRLSGIPVQKLTQTDA	KKYLNLEAELHKKRVIGQDQAVSS	ISRAIRRNQSGIRSHKRPIGSFMFLGP	550											
NTDB id 377 SMU RS09275 WP 002262344.1	PLLKKRAEVKKEED	ILATLSKLSGIPVKKLTQAD	SKKYLNLERELHKKRVIGQDDAVSS	ISRAIRRNQSGIRVGKRPIGSFMFLGP	553											
NTDB id 297 STER RS00545 WP 011680614.1	AKFPPKPALVDADQ	IMQTLTSLRLSGIPVEKMTQT	DSKRYLNLESELHKKRVIGQDEAVSA	ISRAIRRNQSGIRITGKRPIGSFMFLGP	556											
NTDB id 329 STU RS10020 WP 011225298.1	AKFPPKPALVDADQ	IMQTLTSLRLSGIPVEKMTQT	DSKRYLNLESELHKKRVIGQDEAVSA	ISRAIRRNQSGIRITGKRPIGSFMFLGP	556											
consensus	*	*****	*	***	*****!	*	*	*****	*!*	*!*****!	*	*!*****!	!*	*	*!*****!	*****!

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NTDB id 601 KW2 RS02615 WP 021036805.1	TGVGKTELAKALAE	VLFGDESSMIR	EDMSEYMEKH	SVSR	LNGAPPGYVGYDE	EGQLTEKVRNKPYS	VLLEDEVEKAHPDVFN	IML	567
NTDB id 378 SMU RS02690 WP 002263569.1	TGVGKTELAKALAE	VLFGDESSMIR	EDMSEYMEKH	SVSR	LNGAPPGYVGYDE	EGQLTEKVRNKPYS	VLLEDEVEKAHPDVFN	IML	574
NTDB id 241 SP RS04015 WP 000882523.1	TGVGKTELAKALAE	VLFGDESSMIR	EDMSEYMEKH	SVSR	LNGAPPGYVGYDE	EGQLTEKVRNKPYS	VLLEDEVEKAHPDVFN	IML	573
NTDB id 281 KZH43 RS03550 WP 000882517.1	TGVGKTELAKALAE	VLFGDESSMIR	EDMSEYMEKH	SVSR	LNGAPPGYVGYDE	EGQLTEKVRNKPYS	VLLEDEVEKAHPDVFN	IML	573
NTDB id 245 SPD RS03860 WP 000882517.1	TGVGKTELAKALAE	VLFGDESSMIR	EDMSEYMEKH	SVSR	LNGAPPGYVGYDE	EGQLTEKVRNKPYS	VLLEDEVEKAHPDVFN	IML	573
NTDB id 243 SPR RS03635 WP 000882517.1	TGVGKTELAKALAE	VLFGDESSMIR	EDMSEYMEKH	SVSR	LNGAPPGYVGYDE	EGQLTEKVRNKPYS	VLLEDEVEKAHPDVFN	IML	573
NTDB id 73391 FNP71 RS00575 WP 003235011.1	TGVGKTELAKALAE	VLFGDESSMIR	EDMSEYMEKH	SVSR	LNGAPPGYVGYDE	EGQLTEKVRNKPYS	VLLEDEVEKAHPDVFN	IML	631
NTDB id 85 BSU 00860 NP 387967.1	TGVGKTELAKALAE	VLFGDESSMIR	EDMSEYMEKH	SVSR	LNGAPPGYVGYDE	EGQLTEKVRNKPYS	VLLEDEVEKAHPDVFN	IML	631
NTDB id 610 V4T04 RS10165 WP 012897346.1	TGVGKTELAKALAE	VLFGDESSMIR	EDMSEYMEKH	SVSR	LNGAPPGYVGYDE	EGQLTEKVRNKPYS	VLLEDEVEKAHPDVFN	IML	640
NTDB id 290 KZH43 RS10025 WP 001109677.1	TGVGKTELAKALAE	VLFGDESSMIR	EDMSEYMEKH	SVSR	LNGAPPGYVGYDE	EGQLTEKVRNKPYS	VLLEDEVEKAHPDVFN	IML	635
NTDB id 289 SPD RS10700 WP 001109677.1	TGVGKTELAKALAE	VLFGDESSMIR	EDMSEYMEKH	SVSR	LNGAPPGYVGYDE	EGQLTEKVRNKPYS	VLLEDEVEKAHPDVFN	IML	635
NTDB id 287 SP RS11210 WP 001109712.1	TGVGKTELAKALAE	VLFGDESSMIR	EDMSEYMEKH	SVSR	LNGAPPGYVGYDE	EGQLTEKVRNKPYS	VLLEDEVEKAHPDVFN	IML	635
NTDB id 377 SMU RS09275 WP 002262344.1	TGVGKTELAKALAE	VLFGDESSMIR	EDMSEYMEKH	SVSR	LNGAPPGYVGYDE	EGQLTEKVRNKPYS	VLLEDEVEKAHPDVFN	IML	638
NTDB id 297 STER RS00545 WP 011680614.1	TGVGKTELAKALAE	VLFGDESSMIR	EDMSEYMEKH	SVSR	LNGAPPGYVGYDE	EGQLTEKVRNKPYS	VLLEDEVEKAHPDVFN	IML	641
NTDB id 329 STU RS10020 WP 011225298.1	TGVGKTELAKALAE	VLFGDESSMIR	EDMSEYMEKH	SVSR	LNGAPPGYVGYDE	EGQLTEKVRNKPYS	VLLEDEVEKAHPDVFN	IML	641
consensus	!!!!!!!!!!	*****!	*	*!*	**	*****!	*!*	*****!	*****!



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NTDB id 601 KW2 RS02615 WP 021036805.1	ISNQTQETAETTDDEEVP	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 73391 FNP71 RS00575 WP 003235011.1	VVKTTAKTN.....	810
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
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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