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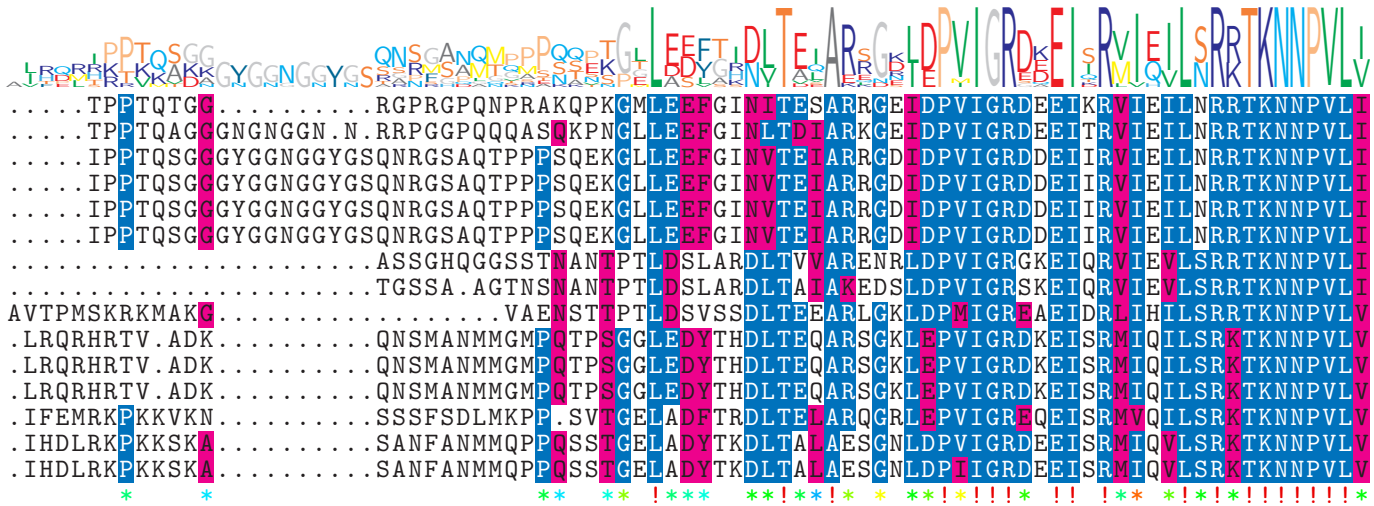
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NTDB id 85 BSU 00860 NP 387967.1	..MMFGRFTERAQKVLALAQEEALRLIGHNNIGTEHILLGLVREGEGLAAKALQALGLGSEKIQKEVESLIG.....RGQEMS		75
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NTDB id 290 KZH43 RS10025 WP 001109677.1	MNYSKALNECIESAYMVA GHFGARYLESWHLLIAMSNHSYSVAGATLNDYPYEMDRLE....EVALELTETDYSQDET		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 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
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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																																		
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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	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

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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 329 STU RS10020 WP 011225298.1
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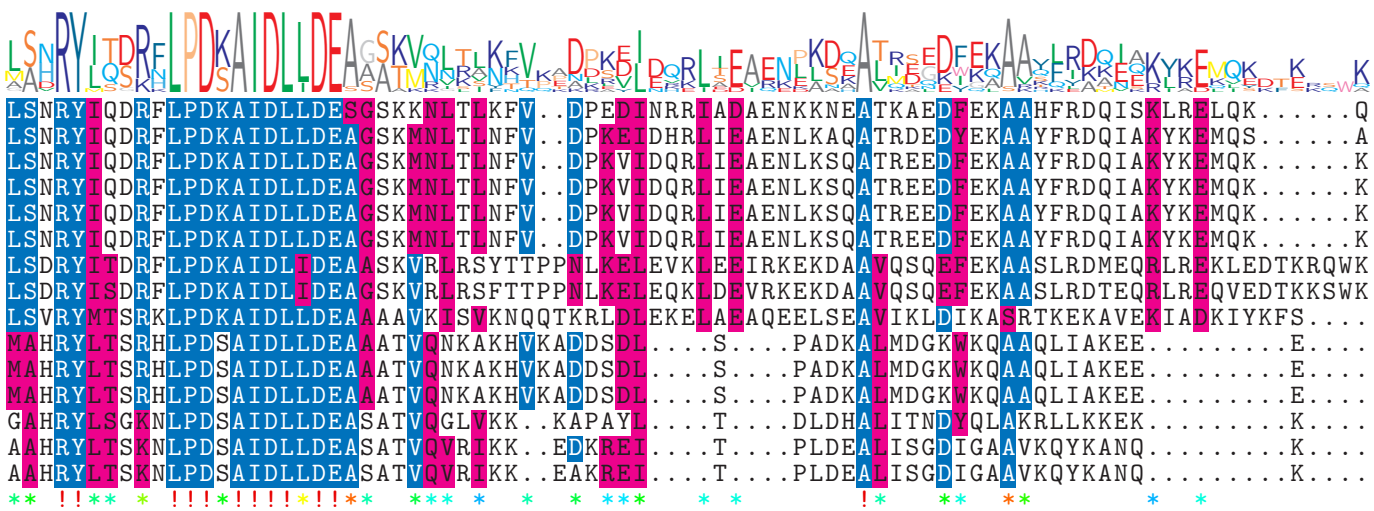
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NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
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NTDB id 601 KW2 RS02615 WP 021036805.1
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NTDB id 377 SMU RS09275 WP 002262344.1
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NTDB id 329 STU RS10020 WP 011225298.1
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NTDB id 378 SMU RS02690 WP 002263569.1	KLDKENTPVITEKNIIEVIVEEQKTNIPVGEL	KEKEEQSQLIHLADDLKTRVIGQDAAVDKI	AKAIRNRVGLGTPNRPIGSFLFVGP	489
NTDB id 241 SP RS04015 WP 000882523.1	KITDQDTPSISEKTIIEHIIIEQKTNIPVGD	LKEKEEQSQLIHLAEDLKSHVIGQDDAVDKI	AKAIRNRVGLGTPNRPIGSFLFVGP	488
NTDB id 281 KZH43 RS03550 WP 000882517.1	KITDQDTPITISEKTIIEHIIIEQKTNIPVGD	LKEKEEQSQLIHLAEDLKSHVIGQDDAVDKI	AKAIRNRVGLGTPNRPIGSFLFVGP	488
NTDB id 245 SPD RS03860 WP 000882517.1	KITDQDTPITISEKTIIEHIIIEQKTNIPVGD	LKEKEEQSQLIHLAEDLKSHVIGQDDAVDKI	AKAIRNRVGLGTPNRPIGSFLFVGP	488
NTDB id 243 SPR RS03635 WP 000882517.1	KITDQDTPITISEKTIIEHIIIEQKTNIPVGD	LKEKEEQSQLIHLAEDLKSHVIGQDDAVDKI	AKAIRNRVGLGTPNRPIGSFLFVGP	488
NTDB id 80476 L6499 RS00525 WP 000971179.1	EQQKGENSEVTVEDIANVVSTWTRIPVSKLA	QTTETDKLLNLESILHDRVIGQDEAVVA	VAKAVRRARAGLKDPKRPIGSFIFLGP	547
NTDB id 85 BSU 00860 NP 387967.1	EKQGGQENSEVTVDIAMVVSSTWTVPSKIA	QTTETDKLLNMENILHSRVIGQDEAVVA	VAKAVRRARAGLKDPKRPIGSFIFLGP	546
NTDB id 610 V4T04 RS10165 WP 012897346.1	VKEDKRQEVTDQAVVAVASTLTGVPITQMT	KSESDRLINLEKELHKKRVVGQEEAISA	VSRAIRRARSQVADSRRPMGSFMFLGP	555
NTDB id 290 KZH43 RS10025 WP 001109677.1	VPV.YKDLVTESDILTTL SRLSGIPVQKLT	QTDAKKYLNLEAEALHKKRVIGQDQAVSS	ISRAIRRNQSGIRSHKKRPIGSFMFLGP	550
NTDB id 289 SPD RS10700 WP 001109677.1	VPV.YKDLVTESDILTTL SRLSGIPVQKLT	QTDAKKYLNLEAEALHKKRVIGQDQAVSS	ISRAIRRNQSGIRSHKKRPIGSFMFLGP	550
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NTDB id 377 SMU RS09275 WP 002262344.1	PLKKRAEVKKEEDILATLSKLSGIPVKKLT	QADSKKYLNLERELHKKRVIGQDDAVSS	ISRAIRRNQSGIRVGKKRPIGSFMFLGP	553
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NTDB id 329 STU RS10020 WP 011225298.1	AKFPPKPALVDADQIMQTL SRLSGIPVEKM	TQTD SKRYLNLESELHKKRVIGQDEAVSA	ISRAIRRNQSGIRITGKKRPIGSFMFLGP	556
consensus	*	*****	* * * * *	

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NTDB id 378 SMU RS02690 WP 002263569.1	TGVGKTELAKALAEVLFGDEDSMIRFDMSEYMEKH	AVAKLVGAPPGYVGYEEAGQLTEKVRNPYS	LILLDEVEKAHPDVMHMF	574
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NTDB id 281 KZH43 RS03550 WP 000882517.1	TGVGKTELAKALAEVLFGDEDSMIRFDMSEYMEKH	SVAKLVGAPPGYVGYEEAGQLTEKVRHNPYS	LILLDEVEKAHPDVMHMF	573
NTDB id 245 SPD RS03860 WP 000882517.1	TGVGKTELAKALAEVLFGDEDSMIRFDMSEYMEKH	SVAKLVGAPPGYVGYEEAGQLTEKVRHNPYS	LILLDEVEKAHPDVMHMF	573
NTDB id 243 SPR RS03635 WP 000882517.1	TGVGKTELAKALAEVLFGDEDSMIRFDMSEYMEKH	SVAKLVGAPPGYVGYEEAGQLTEKVRHNPYS	LILLDEVEKAHPDVMHMF	573
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NTDB id 85 BSU 00860 NP 387967.1	TGVGKTELARALAEVFGDEDSMIRFDMSEYMEKH	STSRVLGSPPGYVGYEEGGQLTEKVRRKPY	SVLLDEIEKAHPDVFNILL	631
NTDB id 610 V4T04 RS10165 WP 012897346.1	TGVGKTELAKALAEVFGDEDSMIRFDMSEYMEKH	STSRVLGAPPGYVGYDEGGQLTERVRNKPYS	VLLDEVEKAHPDVFNIML	640
NTDB id 290 KZH43 RS10025 WP 001109677.1	TGVGKTELAKALAEVLFDDDESALIRFDMSEYMEK	FAASRLNGAPPGYVGYEEGGELTEKVRNKPYS	VLLFDEVEKAHPDIFNVLL	635
NTDB id 289 SPD RS10700 WP 001109677.1	TGVGKTELAKALAEVLFDDDESALIRFDMSEYMEK	FAASRLNGAPPGYVGYEEGGELTEKVRNKPYS	VLLFDEVEKAHPDIFNVLL	635
NTDB id 287 SP RS11210 WP 001109712.1	TGVGKTELAKALAEVLFDDDESALIRFDMSEYMEK	FAASRLNGAPPGYVGYEEGGELTEKVRNKPYS	VLLFDEVEKAHPDIFNVLL	635
NTDB id 377 SMU RS09275 WP 002262344.1	TGVGKTELAKALAEVLFDDDESALIRFDMSEYMEK	FAASRLNGAPPGYVGYEEGGELTEKVRNKPYS	VLLFDEVEKAHPDIFNILL	638
NTDB id 297 STER RS00545 WP 011680614.1	TGVGKTELAKALAEVLFDDDESALIRFDMSEYMEK	FAASRLNGAPPGYVGYDEGGELTEKVRNKPYS	VLLFDEIEKAHPDIFNILL	641
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consensus	!!!!!!!!!!	*****	* * * * *	

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NTDB id 243 SPR RS03635 WP 000882517.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id 80476 L6499 RS00525 WP 000971179.1	VIHSAEKVK.....	811
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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