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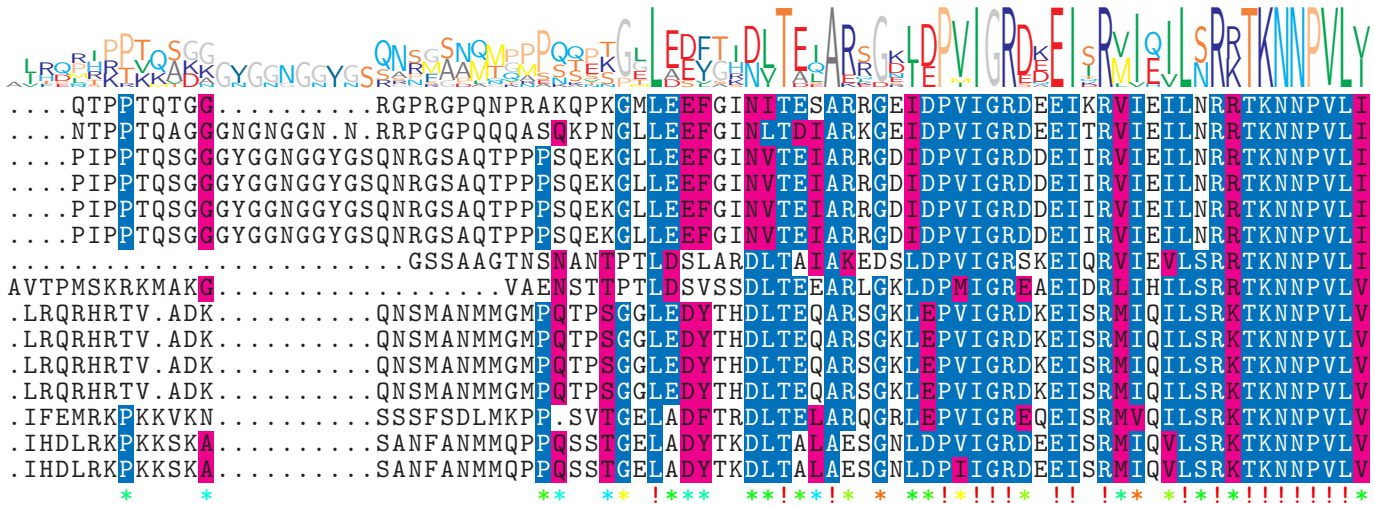
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NTDB id	245 SPD RS03860 WP 000882517.1		MTCQNCKINDS	TI	13	
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NTDB id	287 SP RS11210 WP 001109712.1	MNYSKALNECIESAYMVAGHFHGARYLESWHLLIAMSNHSYSVAGATLNNDYPYEMDRLE EVALELTETDYSQDET			75	
NTDB id	97606 R8775 RS10490 WP 001109697.1	MNYSKALNECIESAYMVAGHFHGARYLESWHLLIAMSNHSYSVAGATLNNDYPYEMDRLE EVALELTETDYSQDET			75	
NTDB id	290 KZH43 RS10025 WP 001109677.1	MNYSKALNECIESAYMVAGHFHGARYLESWHLLIAMSNHSYSVAGATLNNDYPYEMDRLE EVALELTETDYSQDET			75	
NTDB id	289 SPD RS10700 WP 001109677.1	MNYSKALNECIESAYMVAGHFHGARYLESWHLLIAMSNHSYSVAGATLNNDYPYEMDRLE EVALELTETDYSQDET			75	
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NTDB id	297 STER RS00545 WP 011680614.1	. . .MTIYSRKMQAIFHRAQLEAERFESPFLLETWHVLLAMVEVTGSVAYLTFDTDFEDRIHSEEIETA AVLAMEKRPKDLSES DI			81	
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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	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	.	80																																								
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	.	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	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	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	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	.	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														
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NTDB	id	287	SP	RS11210	WP	001109712.1	T	E	L	P	F	S	R	R	L	Q	V	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	N	.	L	E	E	R	A	G	W	T	R	E	D	L	K	A	.	160
NTDB	id	97606	RS8775	RS10490	WP	001109697.1	T	E	L	P	F	S	R	R	L	Q	V	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	N	.	L	E	E	R	A	G	W	T	R	E	D	L	K	A	.	160
NTDB	id	290	KZH43	RS10025	WP	001109677.1	T	E	L	P	F	S	R	R	L																																																																																

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NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
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NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 97606 R8775 RS10490 WP 001109697.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
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
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NTDB id 377 SMU RS09275 WP 002262344.1
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NTDB id 329 STU RS10020 WP 011225298.1
consensus



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NTDB id	601	KW2	RS02615	WP	021036805.1	G	N	M	D	A	G	N	I	L	K	P	A	L	A	R	G	E	L	Q	L	V	G	A	T	T	L	N	E	Y	R	.	I	E	K	D	A	A	L	E	R	R	M	Q	P	V	K	V	D	E	P	S	V	D	E	T	I	T	I	L	K	G	I	Q	A	R	Y	E	D	Y	H	H	V	K	Y	T	D	E	A	T	E	A	A	A	H		320
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NTDB id	281	KZH43	RS03550	WP	000882517.1	G	N	M	D	A	G	N	I	L	K	P	A	L	A	R	G	E	L	Q	L	V	G	A	T	T	L	N	E	Y	R	.	I	E	K	D	A	A	L	E	R	R	M	Q	P	V	K	V	D	E	P	T	V	D	E	T	I	T	I	L	K	G	I	Q	K	K	Y	E	D	Y	H	H	V	Q	Y	T	D	A	A	T	E	A	A	A	T		326
NTDB id	245	SPD	RS03860	WP	000882517.1	G	N	M	D	A	G	N	I	L	K	P	A	L	A	R	G	E	L	Q	L	V	G	A	T	T	L	N	E	Y	R	.	I	E	K	D	A	A	L	E	R	R	M	Q	P	V	K	V	D	E	P	T	V	D	E	T	I	T	I	L	K	G	I	Q	K	K	Y	E	D	Y	H	H	V	Q	Y	T	D	A	A	T	E	A	A	A	T		326
NTDB id	243	SPR	RS03635	WP	000882517.1	G	N	M	D	A	G	N	I	L	K	P	A	L	A	R	G	E	L	Q	L	V	G	A	T	T	L	N	E	Y	R	.	I	E	K	D	A	A	L	E	R	R	M	Q	P	V	K	V	D	E	P	T	V	D	E	T	I	T	I	L	K	G	I	Q	K	K	Y	E	D	Y	H	H	V	Q	Y	T	D	A	A	T	E	A	A	A	T		326
NTDB id	241	SP	RS04015	WP	000882523.1	G	N	M	D	A	G	N	I	L	K	P	A	L	A	R	G	E	L	Q	L	V	G	A	T	T	L	N	E	Y	R	.	I	E	K	D	A	A	L	E	R	R	M	Q	P	V	K	V	D	E	P	T	V	D	E	T	I	T	I	L	K	G	I	Q	K	K	Y	E	D	Y	H	H	V	Q	Y	T	D	A	A	T	E	A	A	A	T		326
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NTDB id	610	V4T04	RS10165	WP	012897346.1	S	V	N	D	A	A	N	I	L	K	P	A	L	A	R	G	D	F	Q	M	V	G	A	T	T	Y	H	E	Y	Q	K	Y	.	I	E	K	D	E	A	L	E	R	R	L	A	R	I	N	V	D	E	P	S	D	E	A	I	A	I	L	Q	L	R	E	K	F	E	D	Y	H	Q	V	K	F	T	D	Q	A	T	K	S	A	V	M		390
NTDB id	287	SP	RS11210	WP	001109712.1	S	T	L	D	A	A	N	I																																																																														

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NTDB id	281	KZH43 RS03550 WP 000882517.1	LSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNF..VDPKVIVDQRLEAENLKSQLATREEDFEKAAAYFRDQIAKYKEMQKK.....	403
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NTDB id	241	SP RS04015 WP 000882523.1	LSNRYIQDRFLPDKAIDLLDEAGSKMNLTLNF..VDPKVIVDQRLEAENLKSQLATREEDFEKAAAYFRDQIAKYKEMQKK.....	403
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NTDB id	287	SP RS11210 WP 001109712.1	MAHRYLT SRHLPD SAIDLLDEAAATVQNKA KHVKADSDSL....S....PADKALMDGKWQQAQLIAKE.....E.....	466
NTDB id	97606	R8775 RS10490 WP 001109697.1	MAHRYLT SRHLPD SAIDLLDEAAATVQNKA KHVKADSDSL....S....PADKALMDGKWQQAQLIAKE.....E.....	466
NTDB id	290	KZH43 RS10025 WP 001109677.1	MAHRYLT SRHLPD SAIDLLDEAAATVQNKA KHVKADSDSL....S....PADKALMDGKWQQAQLIAKE.....E.....	466
NTDB id	289	SPD RS10700 WP 001109677.1	MAHRYLT SRHLPD SAIDLLDEAAATVQNKA KHVKADSDSL....S....PADKALMDGKWQQAQLIAKE.....E.....	466
NTDB id	377	SMU RS09275 WP 002262344.1	GAHRYLSGKNLPDS AIDLLDEASATVQGGLVKK..KAPAYL....T...DLDHALITNDYQLAKRLLKKE.....K.....	468
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NTDB id	297	STU RS10020 WP 011225298.1	AAHRYLT SKNLPDS AIDLLDEASATVQVRICK..EAKREI....T...PLDEALISGDIGAAVVKQYKAN.....Q.....	471
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 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 241 SP RS04015 WP 000882523.1	QIKSAKK.AEVKSSEKEK.	752
NTDB id 85 BSU 00860 NP 387967.1	VVKTTAKTN.....	810
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NTDB id 97606 R8775 RS10490 WP 001109697.1	KFDIA.....	810
NTDB id 290 KZH43 RS10025 WP 001109677.1	KFDIA.....	810
NTDB id 289 SPD RS10700 WP 001109677.1	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