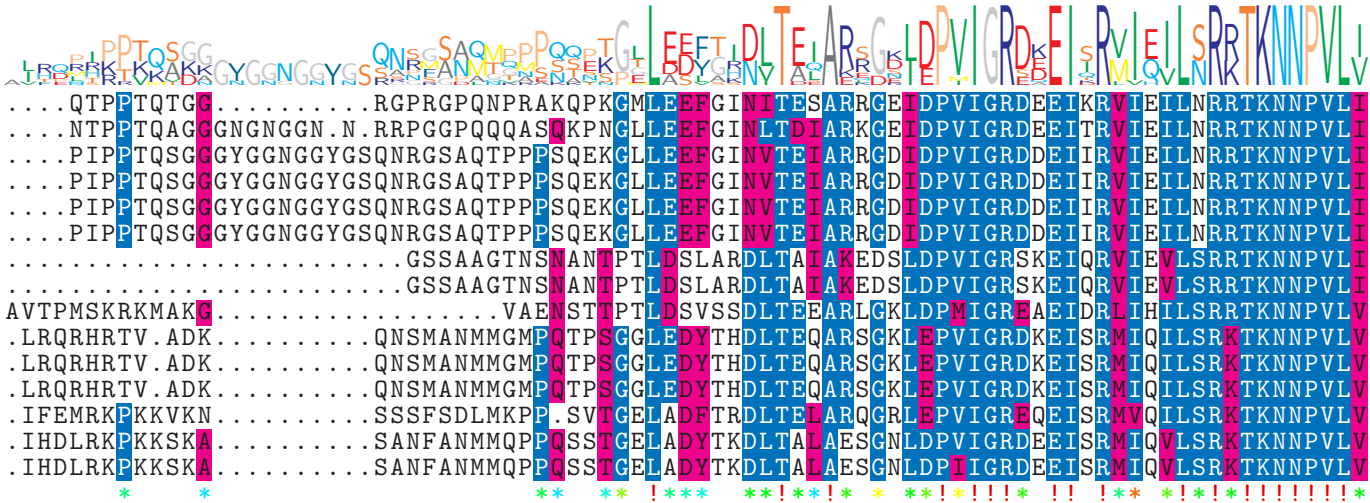


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NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 72662 AW03 RS00520 WP 014475592.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
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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
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NTDB id 329 STU RS10020 WP 011225298.1
consensus



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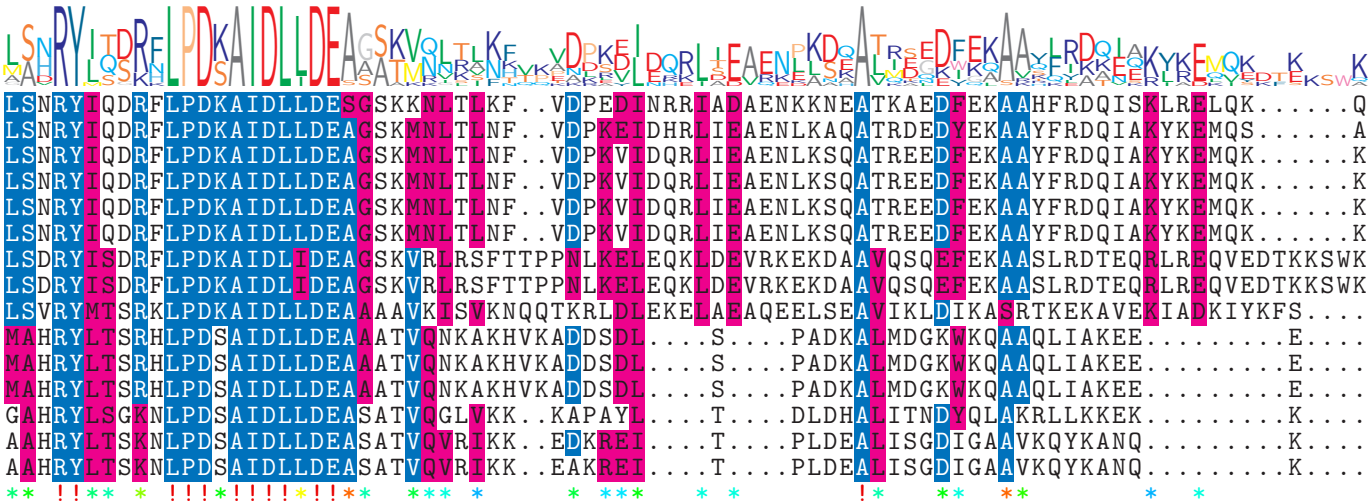
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NTDB id 329 STU RS10020 WP 011225298.1
consensus



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NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 378 SMU RS02690 WP 002263569.1
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NTDB id 281 KZH43 RS03550 WP 000882517.1
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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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logo

NTDB id 601 KW2 RS02615 WP 021036805.1	EVTDEMPVITEKDI	EQVIEQKTQIPV	GDLKEKE	EQTQLNL	ADDLKAHV	IGQDEAV	DKTSK	AI	RRSRVGL	GKPNR	PIGSF	LFVGP	482			
NTDB id 378 SMU RS02690 WP 002263569.1	KLDKENTPVITEKN	IEVIVEQKTNI	IPVGELKEKE	EQSQLIHL	ADDLKTRV	IGQDAVD	KIAK	AI	RRNRVGL	GTPNR	PIGSF	LFVGP	489			
NTDB id 241 SP RS04015 WP 000882523.1	KITDQDTPSISEKT	IEHIEQKTNI	IPVGD	LKEKE	EQSQLIHL	AEDLKSHV	IGQDDAV	KIAK	AI	RRNRVGL	GTPNR	PIGSF	LFVGP	488		
NTDB id 281 KZH43 RS03550 WP 000882517.1	KITDQDTPPISEKT	IEHIEQKTNI	IPVGD	LKEKE	EQSQLIHL	AEDLKSHV	IGQDDAV	KIAK	AI	RRNRVGL	GTPNR	PIGSF	LFVGP	488		
NTDB id 245 SPD RS03860 WP 000882517.1	KITDQDTPPISEKT	IEHIEQKTNI	IPVGD	LKEKE	EQSQLIHL	AEDLKSHV	IGQDDAV	KIAK	AI	RRNRVGL	GTPNR	PIGSF	LFVGP	488		
NTDB id 243 SPR RS03635 WP 000882517.1	KITDQDTPPISEKT	IEHIEQKTNI	IPVGD	LKEKE	EQSQLIHL	AEDLKSHV	IGQDDAV	KIAK	AI	RRNRVGL	GTPNR	PIGSF	LFVGP	488		
NTDB id 72662 AW03 RS00520 WP 014475592.1	EKQGGENSEVIVDD	IAMVVS	SWTGV	VPVSK	IAQTETD	KLINMEN	ILH	SRVIGQDEAV	VAVAKA	VRRARAG	LKDP	KRPIGSF	IFLGP	546		
NTDB id 85 BSU 00860 NP 387967.1	EKQGGENSEVIVDD	IAMVVS	SWTGV	VPVSK	IAQTETD	KLINMEN	ILH	SRVIGQDEAV	VAVAKA	VRRARAG	LKDP	KRPIGSF	IFLGP	546		
NTDB id 610 V4T04 RS10165 WP 012897346.1	VKEDKRQEVTDQAV	VAVASTLT	GTGVP	ITQMTKS	ESDRLIN	LEKELH	KRV	VGQEEATSA	VSR	AI	RRARS	GVADSR	PMGSF	MFLGP	555	
NTDB id 290 KZH43 RS10025 WP 001109677.1	VPV.YKDLV	TESDIL	TTL	SRLSGIP	VQKLT	QTDAKKY	NLEA	ELH	KRVIGQDQAV	SSIS	RA	IRRNQSG	IRSHK	RPIGSF	MFLGP	550
NTDB id 289 SPD RS10700 WP 001109677.1	VPV.YKDLV	TESDIL	TTL	SRLSGIP	VQKLT	QTDAKKY	NLEA	ELH	KRVIGQDQAV	SSIS	RA	IRRNQSG	IRSHK	RPIGSF	MFLGP	550
NTDB id 287 SP RS11210 WP 001109712.1	VPV.YKDLV	TESDIL	TTL	SRLSGIP	VQKLT	QTDAKKY	NLEA	ELH	KRVIGQDQAV	SSIS	RA	IRRNQSG	IRSHK	RPIGSF	MFLGP	550
NTDB id 377 SMU RS09275 WP 002262344.1	PLLKKRAEVKEED	ILATLSK	LSGIP	VKKLT	QADSKKY	NLEREL	H	KRVIGQDQAV	SSIS	RA	IRRNQSG	IRVGR	KRPIGSF	MFLGP	553	
NTDB id 297 STER RS00545 WP 011680614.1	AKFPKPAIVDADQ	IMQTL	SRLSGIP	VEKMT	QTDSKRY	NLESEL	H	KRVIGQDEAV	SATIS	RA	IRRNQSG	IR	TGKR	PIGSF	MFLGP	556
NTDB id 329 STU RS10020 WP 011225298.1	AKFPKPAIVDADQ	IMQTL	SRLSGIP	VEKMT	QTDSKRY	NLESEL	H	KRVIGQDEAV	SATIS	RA	IRRNQSG	IR	TGKR	PIGSF	MFLGP	556
consensus	*	*****	*	***	***!*	*	*	*****	*!*	*	*!*!*!*!*!	*	*!*!*!*!*!	!*	*	*!*!*!*!*!*!

logo

NTDB id 601 KW2 RS02615 WP 021036805.1	TGVGKTELAKQLAKE	LF	FGSS	ES	SMIR	FD	MSEYMEKH	SV	AKL	I	GAPP	GYVGY	EE	AGQL	TE	RVR	NPYS	L	L	L	D	E	I	E	K	A	H	P	D	V	M	H	M	F	L	567																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
NTDB id 378 SMU RS02690 WP 002263569.1	TGVGKTEL	SKQLA	I	E	L	F	G	S	S	E	D	S	MIR	FD	MSEYMEKH	A	V	AKL	I	G	A	P	P	G	Y	V	G	Y	E	E	A	G	Q	L	T	E	K	V	R	N	P	Y	S	L	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	SKQLA	I	E	L	F	G	S	S	A	D	S	MIR	FD	MSEYMEKH	S	V	AKL	I	G	A	P	P	G	Y	V	G	Y	D	E	A	G	Q	L	T	E	K	V	R	H	N	P	Y	S	L	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	SKQLA	I	E	L	F	G	S	A	D	S	MIR	FD	MSEYMEKH	S	V	AKL	I	G	A	P	P	G	Y	V	G	Y	D	E	A	G	Q	L	T	E	K	V	R	H	N	P	Y	S	L	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	SKQLA	I	E	L	F	G	S	A	D	S	MIR	FD	MSEYMEKH	S	V	AKL	I	G	A	P	P	G	Y	V	G	Y	D	E	A	G	Q	L	T	E	K	V	R	H	N	P	Y	S	L	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	SKQLA	I	E	L	F	G	S	A	D	S	MIR	FD	MSEYMEKH	S	V	AKL	I	G	A	P	P	G	Y	V	G	Y	D	E	A	G	Q	L	T	E	K	V	R	H	N	P	Y	S	L	L	L	D	E	V	E	K	A	H	P	D	V	M	H	M	F	L	573																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
NTDB id 72662 AW03 RS00520 WP 014475592.1	TGVGKTEL	A	R	A	L	A	E	S	I	F	G	D	E	S	MIR	I	D	MSEYMEKH	S	T	S	R	L	V	G	S	P	P	G	Y	V	G	Y	D	E	G	G	Q	L	T	E	K	V	R	K	P	Y	S	V	L	L	D	E	I	E	K	A	H	P	D	V	F	N	I	L	631																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id 85 BSU 00860 NP 387967.1	TGVGKTEL	A	R	A	L	A	E	S	I	F	G	D	E	S	MIR	I	D	MSEYMEKH	S	T	S	R	L	V	G	S	P	P	G	Y	V	G	Y	D	E	G	G	Q	L	T	E	K	V	R	K	P	Y	S	V	L	L	D	E	I	E	K	A	H	P	D	V	F	N	I	L	631																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
NTDB id 610 V4T04 RS10165 WP 012897346.1	TGVGKTEL	A	K	A	L	A	E	S	V	F	G	S	E	D	N	MIR	V	D	MSEYMEKH	S	T	S	R	L	I	G	A	P	P	G	Y	V	G	Y	D	E	G	G	Q	L	T	E	K	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	A	K	A	L	A	E	V	L	F	D	D	E	S	A	L	I	R	F	D	MSEYMEK	F	A	A	S	R	L	N	G	A	P	P	G	Y	V	G	Y	E	G	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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NTDB id 377 SMU RS09275 WP 002262344.1	TGVGKTEL	A	K	A	L	A	E	V	L	F	D	D	E	S	A	L	I	R	F	D	MSEYMEK	F	A	A	S	R	L	N	G	A	P	P	G	Y	V	G	Y	E	G	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	I	L	638																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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NTDB id 329 STU RS10020 WP 011225298.1	TGVGKTEL	A	K	A	L	A	E	V	L	F	D	D	E	S	A	L	I	R	F	D	MSEYMEK	F	A	A	S	R	L	N	G	A	P	P	G	Y	V	G	Y	D	E	G	G	E	L	T	E	K	V	R	N	K	P	Y	S	V	L	L	F	D	E	I	E	K	A	H	P	D	I	F	N	V	L	641																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
consensus	!!!!!!!!!!	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

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NTDB	id	601	KW2	RS02615	WP	021036805.1	ISNQTQETAETTDEEVP	748
NTDB	id	378	SMU	RS02690	WP	002263569.1	VIKASNK.VETVTKATSD.	753
NTDB	id	241	SP	RS04015	WP	000882523.1	QIKSAKK.AEVKSSEKEK.	752
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NTDB	id	245	SPD	RS03860	WP	000882517.1	QIKSAKK.AEVKSSEKEK.	752
NTDB	id	243	SPR	RS03635	WP	000882517.1	QIKSAKK.AEVKSSEKEK.	752
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NTDB	id	85	BSU	O0860	NP	387967.1	VVKTTAKTN.....	810
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NTDB	id	329	STU	RS10020	WP	011225298.1	TFTVV.....	816
consensus								

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