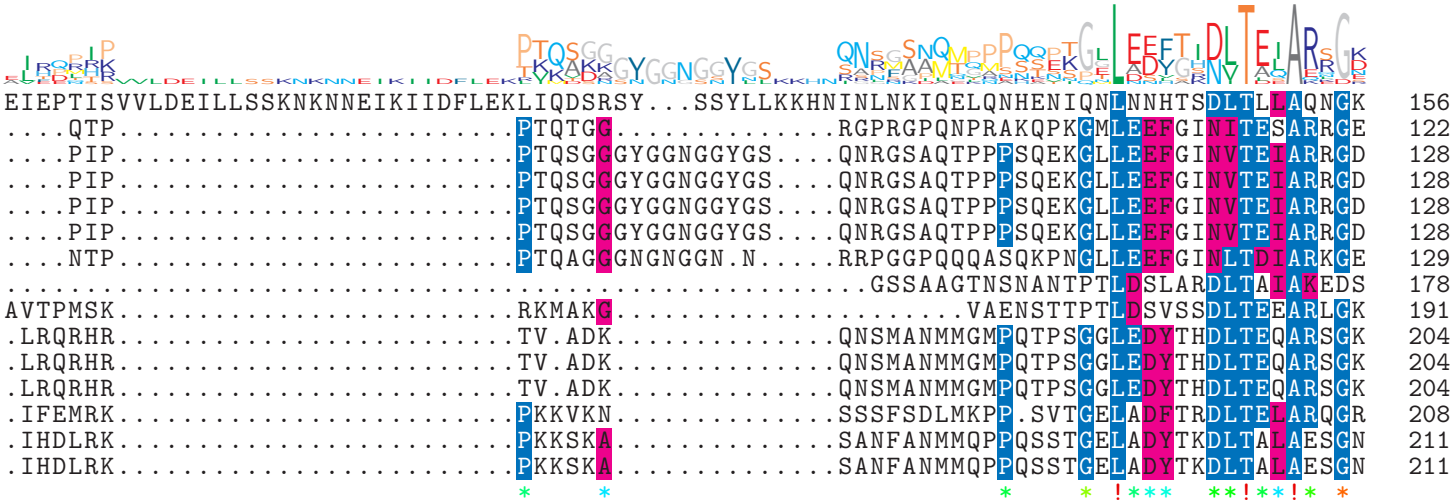


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NTDB id 1474 Cj1108 YP 002344501.1
NTDB id 601 KW2 RS02615 WP 021036805.1
NTDB id 241 SP RS04015 WP 000882523.1
NTDB id 243 SPR RS03635 WP 000882517.1
NTDB id 245 SPD RS03860 WP 000882517.1
NTDB id 281 KZH43 RS03550 WP 000882517.1
NTDB id 378 SMU RS02690 WP 002263569.1
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 290 KZH43 RS10025 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 329 STU RS10020 WP 011225298.1
consensus



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NTDB	id	1474	Cj1108	YP	002344501.1	KMT	H.HHKMF	EF	DQ	NK	AL	MNL	KTN	LKA	K	I	F	G	Q	D	E	V	435																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
NTDB	id	601	KW2	RS02615	WP	021036805.1	KAED	F	E	K	A	A	H	F	R	D	Q	I	S	K	L	R	E	L	Q	K		Q	E	V	T	D	E	D	M	P	V	I	T	E	K	D	I	E	Q	I	V	E	Q	K	T	Q	I	P	V	G	D	L	K	E	K	E	Q	T	Q	L	I	N	L	A	D	D	L	K	A	H	V	I	G	Q	D	E	A	452																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
NTDB	id	241	SP	RS04015	WP	000882523.1	REED	F	E	K	A	A	Y	F	R	D	Q	I	A	K	Y	K	E	M	Q	K		K	K	I	T	D	Q	D	T	P	S	I	S	E	K	T	I	E	H	I	E	Q	K	T	N	I	P	V	G	D	L	K	E	K	E	Q	S	Q	L	I	H	L	A	E	D	L	K	S	H	V	I	G	Q	D	D	A	458																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NTDB	id	243	SPR	RS03635	WP	000882517.1	REED	F	E	K	A	A	Y	F	R	D	Q	I	A	K	Y	K	E	M	Q	K		K	K	I	T	D	Q	D	T	P	I	S	E	K	T	I	E	H	I	E	Q	K	T	N	I	P	V	G	D	L	K	E	K	E	Q	S	Q	L	I	H	L	A	E	D	L	K	S	H	V	I	G	Q	D	D	A	458																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
NTDB	id	245	SPD	RS03860	WP	000882517.1	REED	F	E	K	A	A	Y	F	R	D	Q	I	A	K	Y	K	E	M	Q	K		K	K	I	T	D	Q	D	T	P	I	S	E	K	T	I	E	H	I	E	Q	K	T	N	I	P	V	G	D	L	K	E	K	E	Q	S	Q	L	I	H	L	A	E	D	L	K	S	H	V	I	G	Q	D	D	A	458																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
NTDB	id	281	KZH43	RS03550	WP	000882517.1	REED	F	E	K	A	A	Y	F	R	D	Q	I	A	K	Y	K	E	M	Q	K		K	K	I	T	D	Q	D	T	P	I	S	E	K	T	I	E	H	I	E	Q	K	T	N	I	P	V	G	D	L	K	E	K	E	Q	S	Q	L	I	H	L	A	E	D	L	K	S	H	V	I	G	Q	D	D	A	458																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
NTDB	id	378	SMU	RS02690	WP	002263569.1	RDE	D	Y	E	K	A	A	Y	F	R	D	Q	I	A	K	Y	K	E	M	Q	S		A	K	L	D	K	E	N	T	P	V	I	T	E	K	N	I	E	V	I	V	E	Q	K	T	N	I	P	V	G	E	L	K	E	K	E	Q	S	Q	L	I	H	L	A	D	D	L	K	T	R	V	I	G	Q	D	A	459																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
NTDB	id	85	BSU	00860	NP	387967.1	QSQ	E	F	E	K	A	A	S	L	R	D	T	E	Q	R	L	R	E	Q	V	E	D	T	K	K	S	W	K	E	K	Q	G	Q	E	N	S	E	V	T	V	D	D	I	A	M	V	V	S	S	W	T	G	V	P	V	S	K	I	A	Q	T	E	T	D	K	L	N	M	E	N	I	L	H	S	R	V	I	G	Q	D	E	A	516																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
NTDB	id	610	V4T04	RS10165	WP	012897346.1	IKL	D	I	K	A	S	R	T	K	E	K	A	V	E	K	I	A	D	K	I	Y	K	F	S		V	K	E	D	R	Q	E	V	T	D	Q	A	V	A	V	A	S	T	L	G	V	P	I	T	Q	M	T	K	S	E	S	R	L	I	N	E	K	E	L	H	K	R	V	I	G	Q	D	E	A	525																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
NTDB	id	287	SP	RS11210	WP	001109712.1	MDGK	W	K	Q	A	A	Q	L	I	A	K	E	E		E		V	P	V		Y	K	D	L	V	T	E	S	D	I	L	T	T	L	S	R	L	S	G	I	P	V	Q	K	L	T	Q	T	D	A	K	K	Y	L	N	L	E	A	E	L	H	K	R	V	I	G	Q	D	Q	A	520																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
NTDB	id	289	SPD	RS10700	WP	001109677.1	MDGK	W	K	Q	A	A	Q	L	I	A	K	E	E		E		V	P	V		Y	K	D	L	V	T	E	S	D	I	L	T	T	L	S	R	L	S	G	I	P	V	Q	K	L	T	Q	T	D	A	K	K	Y	L	N	L	E	A	E	L	H	K	R	V	I	G	Q	D	Q	A	520																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
NTDB	id	290	KZH43	RS10025	WP	001109677.1	MDGK	W	K	Q	A	A	Q	L	I	A	K	E	E		E		V	P	V		Y	K	D	L	V	T	E	S	D	I	L	T	T	L	S	R	L	S	G	I	P	V	Q	K	L	T	Q	T	D	A	K	K	Y	L	N	L	E	A	E	L	H	K	R	V	I	G	Q	D	Q	A	520																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
NTDB	id	377	SMU	RS09275	WP	002262344.1	ITND	Y	Q	L	A	K	R	L	L	K	E	K		K		P	L	L	K	R	A	E	V	K	E	E	D	I	L	A	T	L	S	K	L	S	G	I	P	V	K	L	T	Q	A	D	S	K	K	Y	L	N	L	E	R	E	L	H	K	R	V	I	G	Q	D	D	A	523																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
NTDB	id	297	STER	RS00545	WP	011680614.1	ISGD	I	G	A	A	V	K	Q	Y	K	A	N	Q		K		A	K	F	P	K	P	A	L	V	D	A	D	Q	I	M	Q	T	L	S	R	L	S	G	I	P	V	E	K	M	T	Q	T	D	S	K	R	Y	L	N	L	E	S	E	L	H	K	R	V	I	G	Q	D	E	A	526																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
NTDB	id	329	STU	RS10020	WP	011225298.1	ISGD	I	G	A	A	V	K	Q	Y	K	A	N	Q		K		A	K	F	P	K	P	A	L	V	D	A	D	Q	I	M	Q	T	L	S	R	L	S	G	I	P	V	E	K	M	T	Q	T	D	S	K	R	Y	L	N	L	E	S	E	L	H	K	R	V	I	G	Q	D	E	A	526																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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NTDB id 1474 Cj1108 YP 002344501.1	E I G E K I S D E I L F G K L K K G G I A K I K L G K N E K I E F I F	709
NTDB id 601 KW2 RS02615 WP 021036805.1	N I E D S I A D F Y I E H P E Y K Q . L V A D L I D D K I . V I S N Q T Q E T A E T T D E E V P A E	748
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NTDB id 243 SPR RS03635 WP 000882517.1	Y I E D T I T D Y Y L E N P S E K D . L K A V M T S K G N . I Q I K S A K K A . E V K S S E K E K .	752
NTDB id 245 SPD RS03860 WP 000882517.1	Y I E D T I T D Y Y L E N P S E K D . L K A V M T S K G N . I Q I K S A K K A . E V K S S E K E K .	752
NTDB id 281 KZH43 RS03550 WP 000882517.1	Y I E D T I T D Y Y L E N P S E K D . L K A V M T S K G N . I Q I K S A K K A . E V K S S E K E K .	752
NTDB id 378 SMU RS02690 WP 002263569.1	H I E D A I T D F Y L E H P E Q K E . L K A I M T S N G K . I V I K A S N K V . E T V T K A T S D .	753
NTDB id 85 BSU 00860 NP 387967.1	H V E D R L S E E L L R G N I H K G Q H I V L D V E D G E . F V V K T T A K T N	810
NTDB id 610 V4T04 RS10165 WP 012897346.1	E V E D L L S E Q L L S G E I K A G N H V S I G A S N K K . I K I A Q I V	816
NTDB id 287 SP RS11210 WP 001109712.1	E V E D K L A E L L L K G D L V A G S T L K I G V K A G Q . L K F D I A	810
NTDB id 289 SPD RS10700 WP 001109677.1	E V E D K L A E L L L K G D L V A G S T L K I G V K A G Q . L K F D I A	810
NTDB id 290 KZH43 RS10025 WP 001109677.1	E V E D K L A E L L L K G D L V A G S T L K I G V K A G Q . L K F D I A	810
NTDB id 377 SMU RS09275 WP 002262344.1	E V E D K L A E L I L S G K L A S G Q T L K I G I Q K E K . L K F D I V	813
NTDB id 297 STER RS00545 WP 011680614.1	Q V E D K L S E L L L G G Q V V S G Q T L K I G C S K D K . L T F T V V	816
NTDB id 329 STU RS10020 WP 011225298.1	Q V E D K L S E L L L G G Q V V S G Q T L K I G C S K D K . L T F T V V	816
consensus	* * * * * * * * * * * * * *	

- non conserved
- similar
- ≥ 50% conserved