

NTDB id 85	BSU 00860 NP 387967.1	..MMFGRF	T	E	R	A	Q	K	V	L	A	L	A	Q	E	E	A	L	R	L	G	H	N	N	I	G	T	E	H	I	L	L	G	V	R	E	G	E	T	A	A	K	A	L	Q	A	L	G	L	G	S	E	K	I	Q	K	E	V	E	S	L	I	G	R	G		71												
NTDB id 610	V4T04 RS10165 WP 012897346.1	M	K	F	E	N	I	K	Y	T	P	T	L	D	R	I	L	E	K	A	E	Y	A	H	Q	V	Q	Y	G	T	I	S	A	H	L	L	A	A	M	A	T	T	S	G	S	I	A	Y	S	L	L	A	G	M	N	V	D	S	S	D	L	L	I	D	L		E	..	D	L	S	S	H	72					
NTDB id 287	SP RS11210 WP 001109712.1		M	N	Y	S	K	A	L	N	E	C	I	E	S	A	Y	M	V	A	G	H	F	G	A	R	Y	L	E	S	W	H	L	L	I	A	M	S	N	H	S	Y	S	V	A	G	A	T	L	N	D	Y	P	Y	E	M	D	R	L	E	E		V	A	L	E	L	T	E	T	D	Y	S	70					
NTDB id 290	KZH43 RS10025 WP 001109677.1		M	N	Y	S	K	A	L	N	E	C	I	E	S	A	Y	M	V	A	G	H	F	G	A	R	Y	L	E	S	W	H	L	L	I	A	M	S	N	H	S	Y	S	V	A	G	A	T	L	N	D	Y	P	Y	E	M	D	R	L	E	E		V	A	L	E	L	T	E	T	D	Y	S	70					
NTDB id 289	SPD RS10700 WP 001109677.1		M	N	Y	S	K	A	L	N	E	C	I	E	S	A	Y	M	V	A	G	H	F	G	A	R	Y	L	E	S	W	H	L	L	I	A	M	S	N	H	S	Y	S	V	A	G	A	T	L	N	D	Y	P	Y	E	M	D	R	L	E	E		V	A	L	E	L	T	E	T	D	Y	S	70					
NTDB id 329	STU RS10020 WP 011225298.1		M	T	I	Y	S	R	K	M	Q	A	I	F	H	R	A	Q	L	E	A	E	R	F	E	S	P	F	L	E	T	W	H	V	L	L	A	M	V	E	V	P	G	S	V	A	Y	L	T	F	T	D	F	E	D	R	I	H	S	E	E	I	E	T	A	A	V	L	A	M	E	K	R	P	K	D	L	S	76
NTDB id 297	STER RS00545 WP 011680614.1	...M	T	I	Y	S	R	K	M	Q	A	I	F	H	R	A	Q	L	E	A	E	R	F	E	S	P	F	L	E	T	W	H	V	L	L	A	M	V	E	V	T	G	S	V	A	Y	L	T	F	T	D	F	E	D	R	I	H	S	E	E	I	E	T	A	A	V	L	A	M	E	K	R	P	K	D	L	S	76	
NTDB id 341504	ETT63 RS08525 WP 136267566.1		M	I	M	Y	S	T	K	M	Q	D	I	F	R	Q	A	Q	F	A	A	R	F	D	S	H	C	L	E	T	W	H	V	L	L	A	M	V	A	V	D	N	S	L	A	N	M	I	L	S	E	Y	D	A	Q	V	A	I	E	Y	E	A	A	A	I	L	A	M	G	K	T	P	K	E	Q	L	76		
NTDB id 377	SMU RS09275 WP 002262344.1		M	T	D	Y	S	L	K																																																																						

[illegible]

NTDB id 85	BSU 00860 NP 387967.1	..G.....S	AAGTNSNANTPTLDSLARDLTAIAKEDSLDPVIGRSKEIQRVTEVLSRRTK	201
NTDB id 610	V4T04 RS10165 WP 012897346.1	RTGLKVPESSKKA	AVTPMSKRKMAKGV.....AENSTTTPTLDSVSSDLTEEARLGKLDPMIGREAEIDRLIHILSRRTK	214
NTDB id 287	SP RS11210 WP 001109712.1	RACWTR	EDLK.ALRQRHRT.VADKQNSMANMMGMPPQTPSGGLEDYTHDLTEQARS GKLEPVIGRDKEISRM IQILSRKTK	227
NTDB id 290	KZH43 RS10025 WP 001109677.1	RACWTR	EDLK.ALRQRHRT.VADKQNSMANMMGMPPQTSGGLEDYTHDLTEQARS GKLEPVIGRDKEISRM IQILSRKTK	227
NTDB id 289	SPD RS10700 WP 001109677.1	RACWTR	EDLK.ALRQRHRT.VADKQNSMANMMGMPPQTPSGGLEDYTHDLTEQARS GKLEPVIGRDKEISRM IQILSRKTK	227
NTDB id 329	STU RS10020 WP 011225298.1	NAGLSKQDLK.	AIHD LRKP KKS KASANFANMM QPPQSSTGELADYTKDLTALAESGNLDP TIIGRDEEISRM IQVLSRKT	234
NTDB id 297	STER RS00545 WP 011680614.1	NAGLSKQDLK.	AIHD LRKP KKS KASANFANMM QPPQSSTGELADYTKDLTALAESGNLDP VIGRDEEISRM IQVLSRKT	234
NTDB id 341504	ETT63 RS08525 WP 136267566.1	HACYSKEMIK.	AIHEL RKPK PTK TQGTFSDMMKPP.STAGELSDFTRDLTEMARQGLLESVIGRDQEV SRMIQVLSRKTK	232
NTDB id 377	SMU RS09275 WP 002262344.1	YACFSKEDIK.	AI FEMR KP KVKNSSFSFLDKMPP.SVTGELADFTRDLTELARQGRLEPVIGREQEISRM VQILSRKTK	231
consensus		*!*****	*!* * * * *	

[illegible]

logo

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 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 341504 ETT63 RS08525 WP 136267566.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus



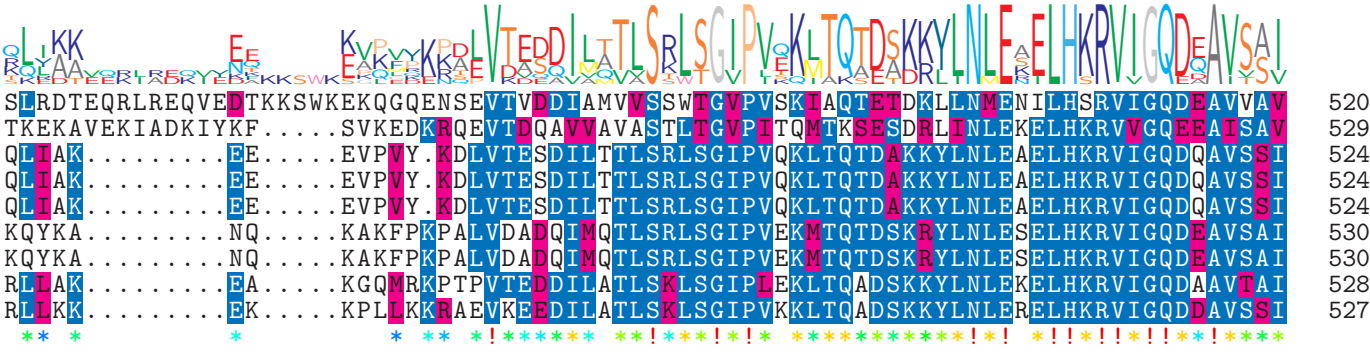
logo

NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
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NTDB id 290 KZH43 RS10025 WP 001109677.1
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consensus



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consensus
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consensus
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NTDB id 341504 ETT63 RS08525 WP 136267566.1
NTDB id 377 SMU RS09275 WP 002262344.1
consensus

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-  non conserved
-  similar
-  >50% conserved