

NTDB id 85	BSU 00860 NP 387967.1	..MMFGR	F	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	I	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	MK	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		SH	72						
NTDB id 377	SMU RS09275 WP 002262344.1		M	T	D	Y	S	L	K	M	Q	E	V	F	R	L	A	Q	F	E	A	A	R	F	E	S	S	Y	L	S	H	V	L	L	A	M	V	E	I	D	S	S	V	A	G	L	S	F	A	E	F	E	A	D	V	R	F	E	D	Y	Q	A	A	I	L	A	I	G	K	P	K	S	S	76			
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	R	F	E	S	P	F	L	E	T	W	H	V	L	L	A	M	V	E	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	R	F	E	S	P	F	L	E	T	W	H	V	L	L	A	M	V	E	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 195973	BFP66 RS09250 WP 024395694.1		M	K	I	S	T	G	L	Q	R	V	F	E	D	A	Q	L	V	A	Q	R	Y	A	C	D	Y	L	E	T	W	H	V	L	L	S	F	V	I	N	H	D	T	V	A	G	A	V	L	A	E	Y	P	I	S	I	S	..	D	Y	E	H	A	T	F	V	V	T	D	K	V	Y	..	RE	71		
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	S	Y	S	V	A	G	A	T	L	N	D	Y	P	Y	E	M	D	..	R	L	E	E	V	A	E	L	T	E	T	D	Y	..	SQ	71		
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	S	Y	S	V	A	G	A	T	L	N	D	Y	P	Y	E	M	D	..	R	L	E	E	V	A	E	L	T	E	T	D	Y	..	SQ	71		
NTDB id 289	SPD RS10700 WP 001109677.1		M	N	Y	S	K	A	L	N	E	C	I																																																																

[illegible]

NTDB id	85	BSU 00860 NP 387967.1	.G.....SNETGSSAAGTNSNANTPTLDSLARDLTAIAKEDSLDPVIGRSKEIQRVTEVLSRRTKN	202
NTDB id	610	V4T04 RS10165 WP 012897346.1	TGLKVPESKKAVTPMSKRKMA.....KGVAENSTTPTLDSVSSDLTEEARLGKLDPMIGRFAEIDRLIHILSRRTKN	215
NTDB id	377	SMU RS09275 WP 002262344.1	ACFSKEDLKAT.FEMRKPKKVKNSSSFSDLMKPP.SVTGELADFTRDLTALARQGRLEPVIGREQEISRMVQILSRKTKN	232
NTDB id	329	STU RS10020 WP 01122598.1	ACL ^{SKQ} DLKAI.HDLRKPKKS ^{KASANFANMMQP} PQSS ^{TGELADYTKD} LALAESGNLPITIGRDEI ^{SIRMIQV} LSRKTKN	235
NTDB id	297	STER RS00545 WP 011680614.1	ACL ^{SKQ} DLKAI.HDLRKPKKS ^{KASANFANMMQP} PQSS ^{TGELADYTKD} LALAESGNLPDVIGRDEI ^{SIRMIQV} LSRKTKN	235
NTDB id	195973	BFP66 RS09250 WP 024395694.1	AGFTKEDLKAI.RSVMKGGKAKPANMGQMGMPPAPQSGGLEDYTRDLTALAAREGKIPEVIGRDAEIARMIQILSRKTKN	230
NTDB id	287	SP RS11210 WP 001109712.1	ACWTR ^{EDL} KAL.RQRHRTVADKQNSMANMMGMPQTP.SGGLEDYTHDLTEQARS ^{GKLEP} VIGRDK ^{EISRM} IQLSRKTKN	228
NTDB id	290	KZH43 RS10025 WP 001109677.1	ACWTR ^{EDL} KAL.RQRHRTVADKQNSMANMMGMPQTP.SGGLEDYTHDLTEQARS ^{GKLEP} VIGRDK ^{EISRM} IQLSRKTKN	228
NTDB id	289	SPD RS10700 WP 001109677.1	ACWTR ^{EDL} KAL.RQRHRTVADKQNSMANMMGMPQTP.SGGLEDYTHDLTEQARS ^{GKLEP} VIGRDK ^{EISRM} IQLSRKTKN	228
consensus			*!***** * * * * *	

[illegible]

logo

NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 195973 BFP66 RS09250 WP 024395694.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
consensus



361
375
392
395
395
390
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388

logo

NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
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NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 195973 BFP66 RS09250 WP 024395694.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
consensus



441
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462
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461
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460

logo

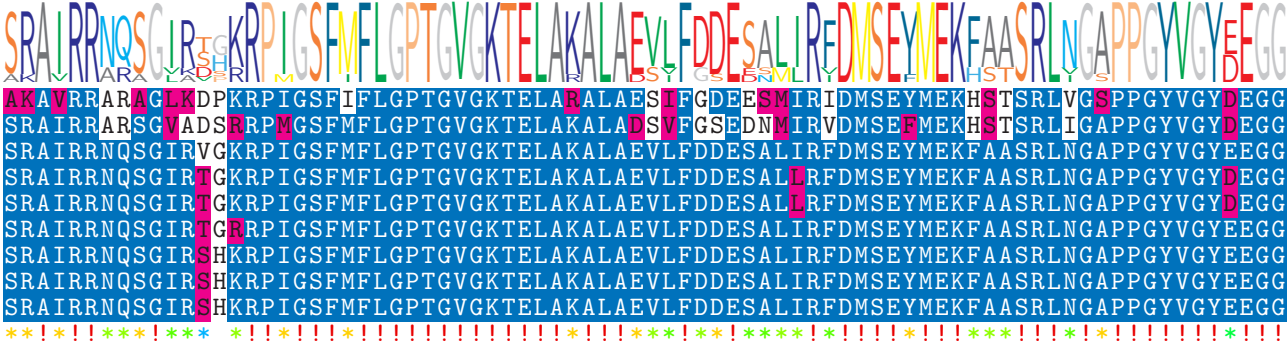
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NTDB id 195973 BFP66 RS09250 WP 024395694.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
consensus



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logo

NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
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NTDB id 195973 BFP66 RS09250 WP 024395694.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
consensus



600
609
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NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 329 STU RS10020 WP 011225298.1
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NTDB id 195973 BFP66 RS09250 WP 024395694.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
consensus

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NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 195973 BFP66 RS09250 WP 024395694.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
consensus

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NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
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NTDB id 329 STU RS10020 WP 011225298.1
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NTDB id 195973 BFP66 RS09250 WP 024395694.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
consensus

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-  non conserved
-  similar
-  > 50% conserved