

NTDB id 85	BSU 00860 NP 387967.1	..MMFGRF	T	E	R	A	Q	K	V	L	A	L	A	Q	E	E	A	R	L	G	H	N	N	I	G	T	E	H	I	L	L	G	L	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	M	K	F	E	N	I	K	Y	T	P	T	L	D	R	I	L	E	K	A	E	E	Y	A	H	Q	Y	Q	Y	G	T	E	S	A	H	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	E	S	W	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	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	E	R	F	E	S	P	L	E	T	W	H	V	L	L	A	M	V	E	P	D	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	L	E	T	W	H	V	L	L	A	M	V	E	V	I	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 1155592	QNH68 RS08795 WP 074390078.1	...	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	Y	S	V	A	G	A	T	L	N	D	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	Y	S	V	A	G	A	T	L	N	D	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	E																																																																

NTDB id 85	BSU 00860 NP 387967.1	.QEMSQTTHYTPRAKKVIELSMDEARKLGHSYVGTEHILLGLIREGEGVAARVLNNLGVSLNKAQQVLQL..L.....	142
NTDB id 610	V4T04 RS10165 WP 012897346.1	VKVKRSTLRSPRAEEVMTAASFLAIHNNSAVGTEHLLYALLQVEDGFCLQLKL.....QKINIVSLRKELEKR	143
NTDB id 377	SMU RS09275 WP 002262344.1	N..DIMLLEQSHALKRTLAEAAAIISQVTHAKEVGTEHVLFAMLLNPNLATRIELVGFHAKDDGESIRLLDLRKVIERY	154
NTDB id 329	STU RS10020 WP 011225298.1	ESDIIDLRAQSPALEARMLQEAGQIASVTGAIVEGSEHVLMAFLHLKDLMVCRLLEVAGFYQKDDSDPKPRIIDLRSSLERN	156
NTDB id 297	STER RS00545 WP 011680614.1	ESDIIDLRAQSPALEARMLQEAGQIASVTGAIVEGSEHVLMAFLHLKDLMVCRLLEVAGFYQKDDSDPKPRIIDLRSSLERN	156
NTDB id 1155592	QNH68 RS08795 WP 074390078.1	ELDSFRIIPSSKRLEDETASFAKKIAEVVKAKELGTEHLMFAMLLDKRSTASQILDVKVGFCDSDSKFRFLDLRKNLEAR	151
NTDB id 287	SP RS11210 WP 001109712.1	D.ETFTELPSRRLLQVLFDEAEYVASVVHAKVLGTEHVLYAILHDGNALATRILERAGFSYEDKKDQVKIIAALRRNLEER	150
NTDB id 290	KZH43 RS10025 WP 001109677.1	D.ETFTELPSRRLLQILFDEAEYVASVVHAKVLGTEHVLYAILHDGNALATRILERAGFSYEDKKDQVKIIAALRRNLEER	150
NTDB id 289	SPD RS10700 WP 001109677.1	D.ETFTELPSRRLLQILFDEAEYVASVVHAKVLGTEHVLYAILHDGNALATRILERAGFSYEDKKDQVKIIAALRRNLEER	150
consensus		* * * * *	

NTDB id	85	BSU 00860 NP 387967.1	.G.....SNETGSSAAGTNSNANTPTLDSLARDLTAAIKEDSLDPVIGRSKEIQRVTEVLSRRTKN	202
NTDB id	610	V4T04 RS10165 WP 012897346.1	TGLKVPESKKAIVTPMSKRKMA.....KGVAENSTTPTLDVSVDLTFEEARLGKLDPMIGREAEIDRLIHILSRRTKN	215
NTDB id	377	SMU RS09275 WP 002262344.1	AGFSKEDIKAI.FEMRKPKKVKNSSFSDLMKPP.SVTGELADFTDLTELARQGRLEPVIGREQEISRMVQILSRKTKN	232
NTDB id	329	STU RS10020 WP 011225298.1	AGLSKQDLKAI.HDLRKPKKSKASANFANMMQPQQSSGTGELADYTDLTALAESGNLDPIGRDEEISIRMIQLSRKTKN	235
NTDB id	297	STER RS00545 WP 011680614.1	AGLSKQDLKAI.HDLRKPKKSKASANFANMMQPQQSSGTGELADYTDLTALAESGNLDPVIGRDEEISIRMIQVLSRKTKN	235
NTDB id	1155592	QNH68 RS08795 WP 074390078.1	AGFTKEDLKAI.RSVMKGGKAKPTNMGMQMGMPPAPQSGGLEDYTRDLTALAAREGKIPEPVGIRD AEIARMIQILSRKTKN	230
NTDB id	287	SP RS11210 WP 001109712.1	AGWTREDLKAI.RQRHRTVADKQNSMANMGMMPQTP.SGGLEDYTHDLTEQARSCKLEPVIGRDKEISIRMIQILSRKTKN	228
NTDB id	290	KZH43 RS10025 WP 001109677.1	AGWTREDLKAI.RQRHRTVADKQNSMANMGMMPQTP.SGGLEDYTHDLTEQARSCKLEPVIGRDKEISIRMIQILSRKTKN	228
NTDB id	289	SPD RS10700 WP 001109677.1	AGWTREDLKAI.RQRHRTVADKQNSMANMGMMPQTP.SGGLEDYTHDLTEQARSCKLEPVIGRDKEISIRMIQILSRKTKN	228
consensus			*!***** * * * * *	

NTDB id 85	BSU 00860 NP 387967.1	NPVLIGEPGVGKTAIAEGLAQQTINNVEPEILRDKRVMTLDMGTIVVAGTKYRGEFEDRLKKVMDIEIRQAGNIIILFIDELH	282
NTDB id 610	V4T04 RS10165 WP 012897346.1	NPVLVGEPPGVGKSAIIIEGLAQRIVNGQVPIGLMNSRIMALNMTATVVAGTKFRGEFEDRLTAIVEEVSSDPDVIIFIDELH	295
NTDB id 377	SMU RS09275 WP 002262344.1	NPVLVGDAAGVGKTALAYGLAQRIVDSAPVFELADMKVLELDMMSVVAGTRFRGDFEERMNQIADIEADGHIIVLFIDELH	312
NTDB id 329	STU RS10020 WP 011225298.1	NPVLVGEAGVGKTALALGLAQRIASGEVVPFELADMRILELDMMSVVAGTRFRGDFEERMNQIIDEIADGKIILFIDELH	315
NTDB id 297	STER RS00545 WP 011680614.1	NPVLVGEAGVGKTALALGLAQRIASGEVVPFELADMRILELDMMSVVAGTRFRGDFEERMNQIIDEIADGKIILFIDELH	315
NTDB id 1155592	QNH68 RS08795 WP 074390078.1	NPVLVGDAAGVGKTALALGLAQRVAAGDVPVSLAKMRVLELDLMNVITAGTRFRGDFEERMNNIINDIEEDGQVILFIDELH	310
NTDB id 287	SP RS11210 WP 001109712.1	NPVLVGDAAGVGKTALALGLAQRIASGDVPAEAMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDELH	308
NTDB id 290	KZH43 RS10025 WP 001109677.1	NPVLVGDAAGVGKTALALGLAQRIASGDVPAEAMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDELH	308
NTDB id 289	SPD RS10700 WP 001109677.1	NPVLVGDAAGVGKTALALGLAQRIASGDVPAEAMAKMRVLELDLMNVVAGTRFRGDFEERMNNIIKDIEEDGQVILFIDELH	308
consensus		NPVLIGEPGVGKTAIAEGLAQQTINNVEPEILRDKRVMTLDMGTIVVAGTKYRGEFEDRLKKVMDIEIRQAGNIIILFIDELH	

