

NTDB id	617	LCA	RS06480	WP	011375001.1	.....	MSTEEKLTT	LLKHCAKQRV	QDLYFT	PTIGG	WRLTER	RQSD	DLVTN	NQEL	DKPTGT	RYLN	LRLLKY	MAGMDI	SETRR	AQ	74		
NTDB id	586	KW2	RS10855	WP	011836048.1	..	MVQKKA	.....	QLILQKA	IEMEA	SDIYL	TASGN	LYKI	YIR	QQGLR	RTL	JEEVN	NQE	IGLALL	THFKFL	AGMNTGER	RRVQ	73
NTDB id	1142811	DQL	L26	RS00665	WP	030126921.1	..	MVQAALAKA	ILAKA	AEQVQ	AQDIYL	LPRA	DDYDL	FLFR	LIGDER	RL	VDDVQS	DRMAPL	ISHFKF	VAGMIVGE	KRRS	C	78
NTDB id	584	DLJ51	RS00890	WP	019777327.1	MVE	VQELG	.....	KEILIR	QAVEEQ	AQDIYLL	PKPAVY	KIYLR	FGFEKR	HL	IQTCPP	EQAAGL	ISHFKF	VL	AGMNVGE	KRRR	AQ	75
NTDB id	394	FSA28	RS09405	WP	002291652.1	..	MVQKLG	.....	RKIIAE	AVQNKA	AQDIYI	IPKKES	YELYMR	IGNERR	FI	IDVDYD	HHFMAN	L	ISHFKF	VAGMNVGE	KRRSQ		73
NTDB id	385	SMU	RS09035	WP	002263435.1	..	MVQKLG	.....	RKIIAE	AVQNKA	AQDIYI	IPKKES	YELYMR	IGNERR	FI	IDVDYD	HHFMAN	L	ISHFKF	VAGMNVGE	KRRSQ		73
NTDB id	429	SGO	RS09420	WP	012130942.1	..	MVQKIA	.....	QAIIVR	QAKEEC	AQDIYF	VPKDD	CYELMR	IGDERRF	IQT	YDFD	QLAAV	ISHFKF	VL	AGMNVGE	KRRSQ		73
NTDB id	500	SM12261	RS00945	WP	000249545.1	..	MVQEIA	.....	QEIRSR	ARKKG	AQDIYF	VPKLDA	YELHMR	VGDERCK	IGCYD	FEKFAA	V	ISHFKF	VAGMNVGE	KRRSQ		73	
NTDB id	270	KZH43	RS09265	WP	000249564.1	..	MVQEIA	.....	QEIRSR	ARKKGT	QDIYF	VPKLDA	YELHMR	VGDERCK	IGSYD	FEKFAA	V	ISHFKF	VAGMNVGE	KRRSQ		73	
NTDB id	229	SPD	RS09895	WP	000249564.1	..	MVQEIA	.....	QEIRSR	ARKKGT	QDIYF	VPKLDA	YELHMR	VGDERCK	IGSYD	FEKFAA	V	ISHFKF	VAGMNVGE	KRRSQ		73	
NTDB id	195	SPR	RS09430	WP	000249564.1	..	MVQEIA	.....	QEIRSR	ARKKGT	QDIYF	VPKLDA	YELHMR	VGDERCK	IGSYD	FEKFAA	V	ISHFKF	VAGMNVGE	KRRSQ		73	
NTDB id	160	SP	RS10380	WP	000249564.1	..	MVQEIA	.....	QEIRSR	ARKKGT	QDIYF	VPKLDA	YELHMR	VGDERCK	IGSYD	FEKFAA	V	ISHFKF	VAGMNVGE	KRRSQ		73	
consensus							*** *	***** *	*!!**** * *	*** *!***** *	*** *!	***** *	*** *	***** *	*** *	***** *	*** *	***** *	*** *	***** *			

NTDB id	617	LCA RS06480 WP 011375001.1	TGRSELQLAD.QTIYLRRLATVGDFLNR	ESLVIRFIYPIGAIYHCDDQILAAQLTQMRSQSGLILFAGPTGSGKTTSLYLH	153	
NTDB id	586	KW2 RS10855 WP 011836048.1	LGACWYELHGSSAKRRLRLSTVGDFFEGN	ESLVIRLLHDQKQELEFWFD.DK..LQDFRCKRGLYLFAGPVGSGKTSLMFDL	150	
NTDB id	1142811	DQL26 RS00665 WP 030126921.1	VGSCDYKLKSKDKQLSRLRSSVGDYRGQ	ESLVIRLLHQNKSVHYWF.D.GLTKVANQGVRGRLYLFAGPVGSGKTTLMYQL	157	
NTDB id	584	DLJ51 RS00890 WP 019777327.1	LGACDYAFAIDGETAAALRLSTVDYGQCRES	VLRIILLFHQRKEIKKFWD.GLNALLPKPIIGRGLYLFSPGVGSGKTTMLMYEL	154	
NTDB id	394	FSA28 RS09405 WP 002291652.1	LGSCDYSYDEGKVVISLRLSSVGDYRGY	ESLVIRLLFSGRHDLKFWFN.SMDLILNEIKGRGLYLFSPGVGSGKTSLMYQL	152	
NTDB id	385	SMU RS09035 WP 002263435.1	LGSCDYSYDEGKVVISLRLSSVGDYRGY	ESLVIRLLFSGRHDLKFWFN.SMDLILNEIKGRGLYLFSPGVGSGKTSLMYQL	152	
NTDB id	429	SGO RS09420 WP 012130942.1	LGSCDYRYDD.KETSTRLSRVGDYRGY	ESLVIRLLHDEEDELKFWFT.HFPRELREKFVKDRGLYLFSPGVGSGKTTLMHQL	151	
NTDB id	500	SM12261 RS00945 WP 000249545.1	LGSCDYEDYDQ.KMASRLRLSTVDYRGHE	SIVIRLLHDEEQDLHFWFQ.DIEELGKQYRRQ	RGLYLFAGPVGSGKTTLMHEL	151
NTDB id	270	KZH43 RS09265 WP 000249564.1	LGSCDYAYDH.KIASRLRLSTVDYRGHE	SIVIRLLHDEEQDLHFWFQ.DIEELGKQYRRQ	RGLYLFAGPVGSGKTTLMHEL	151
NTDB id	229	SPD RS09895 WP 000249564.1	LGSCDYAYDH.KIASRLRLSTVDYRGHE	SIVIRLLHDEEQDLHFWFQ.DIEELGKQYRRQ	RGLYLFAGPVGSGKTTLMHEL	151
NTDB id	195	SPR RS09430 WP 000249564.1	LGSCDYAYDH.KIASRLRLSTVDYRGHE	SIVIRLLHDEEQDLHFWFQ.DIEELGKQYRRQ	RGLYLFAGPVGSGKTTLMHEL	151
NTDB id	160	SP RS10380 WP 000249564.1	LGSCDYAYDH.KIASRLRLSTVDYRGHE	SIVIRLLHDEEQDLHFWFQ.DIEELGKQYRRQ	RGLYLFAGPVGSGKTTLMHEL	151
consensus			*!***** ** * * !!****!!**!!*** !!!!!!!***** *****	***** ** *	* !!!!!!*!!!!!!!!!!!!!!!!***** *!	

NTDB	id	617	LCA	RS06480	WP	011375001.1	AQ	SMS	A	K	M	V	V	A	I	E	D	P	I	E	I	V	A	P	E	F	L	Q	L	Q	V	N	D	N	A	G	L	S	Y	A	E	L	L	K	I	S	L	R	L	R	P	D	L	I	I	G	E	I	R	D	L	E	T	A	Q	Y	V	V	S	A	A	L	S	G	H	L	V	L	S	T	I		233				
NTDB	id	586	KW2	RS10855	WP	011836048.1	A	H	R	H	F	S	N	A	Q	V	I	T	I	E	P	V	E	L	I	D	S	D	F	I	Q	L	Q	V	N	D	V	I	G	N	S	Y	D	E	L	I	K	L	S	L	R	H	R	P	D	L	L	I	V	G	E	I	R	D	Q	Q	T	A	R	A	V	L	R	A	S	L	T	G	Y	T	V	F	S	T	I		230
NTDB	id	1142811	DQL26	RS00665	WP	030126921.1	I	S	S	Y	H	Q	E	A	Q	V	I	S	I	E	D	P	V	E	I	K	N	H	Q	I	L	Q	L	Q	V	N	D	I	G	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	I	V	G	E	I	R	D	S	Q	T	A	R	A	V	I	R	A	S	L	T	G	A	M	V	F	S	T	I		237	
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	V	S	R	K	V	P	D	S	Q	V	I	T	I	E	D	P	V	E	I	K	D	N	M	L	Q	L	Q	L	N	S	I	G	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	I	V	G	E	I	R	D	R	E	T	A	Q	A	V	I	R	A	S	L	T	G	I	R	V	F	S	T	I		234		
NTDB	id	394	FSA28	RS09405	WP	002291652.1	V	K	L	R	F	E	T	K	Q	V	I	T	I	E	D	P	V	E	I	K	D	N	M	L	Q	L	Q	L	N	S	I	G	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	I	V	G	E	I	R	D	K	E	T	A	R	A	V	I	R	A	S	L	T	G	A	M	V	F	S	T	I		232		
NTDB	id	385	SMU	RS09035	WP	002263435.1	V	K	L	R	F	E	T	K	Q	V	I	T	I	E	D	P	V	E	I	K	D	N	M	L	Q	L	Q	L	N	S	I	G	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	I	V	G	E	I	R	D	K	E	T	A	R	A	V	I	R	A	S	L	T	G	A	M	V	F	S	T	I		232		
NTDB	id	429	SGO	RS09420	WP	012130942.1	A	Q	L	K	F	K	Q	Q	V	M	S	I	E	D	P	V	E	I	K	D	N	M	L	Q	L	Q	L	N	E	T	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	I	G	E	I	R	D	S	E	T	A	R	A	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I		231	
NTDB	id	500	SM12261	RS00945	WP	000249545.1	A	K	S	L	F	K	Q	Q	V	M	S	I	E	D	P	V	E	I	K	D	N	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P	D	L	L	I	I	G	E	I	R	D	S	E	T	A	R	A	V	V	R	A	S	L	T	G	A	T	V	F	S	T	I		231	
NTDB	id	270	KZH43	RS09265	WP	000249564.1	S	K	S	L	F	K	Q	Q	V	M	S	I	E	D	P	V	E	I	K	D	N	M	L	Q	L	Q	L	N	E	A	I	G	L	T	Y	E	N	L	I	K	L	S	L	R	H	R	P</																																		

