

[illegible]

NTDB id	617	LCA RS06480 WP 011375001.1	LQLAD.QTIYLRRLATVGDFLNR	ESLVIRFIYPIGAIYHCDDQ	ILAQLTQMSRQSGLILFAGPTGSGKTTSLYHLAQQSM	158
NTDB id	586	KW2 RS10855 WP 011836048.1	VELRGSSAKRLRLSTVGDFECN	ESLVIRLLHDDCKQELEFWFD.DK..LQDFRCKRGLYLFA	GVPVSGSKTSLMFDLAHRHF	155
NTDB id	584	DLJ51 RS00890 WP 019777327.1	YAFAADGETAALRLSTVGDYGGR	ESLVIRLLFDRKRLEKFWF.D.GLNALLPKIIGRGLYLF	SGPVGSGKTTLMYELVSRKY	159
NTDB id	385	SMU RS09035 WP 00263435.1	YSYDEGKVISRLSSVGDYRGY	ESLVIRLLFSGRHDLKFWFN.SMDLILNEIKRGLYLF	SGPVGSGKTSLMYQLVKLRF	157
NTDB id	394	FSA28 RS09405 WP 002291652.1	YSYDEGKVISRLSSVGDYRGY	ESLVIRLLFSGRHDLKFWFN.SMDLILNEIKRGLYLF	SGPVGSGKTSLMYQLVKLRF	157
NTDB id	429	SGO RS09420 WP 012130942.1	YRYDD.KETSTRLSTVGDYRGY	ESLVIRLLHDEEDELKFWFT.HFPELREKFKDRGLYLF	SGPVGSGKTTLMHQLAQLKF	156
NTDB id	500	SM12261 RS00945 WP 000249545.1	YEYDQ.KMASLRLSTVGDYRGH	ESLVIRLLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLF	FAGPVGSGKTTLMHELAKSLF	156
NTDB id	304689	DV131 RS01980 WP 000249555.1	YAYDQ.KMASLRLSTVGDYRGH	ESLVIRLLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLF	FAGPVGSGKTTLMHELSKSLF	156
NTDB id	270	KZH43 RS09265 WP 000249564.1	YAYDH.KIASLRLSTVGDYRGH	ESLVIRLLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLF	FAGPVGSGKTTLMHELSKSLF	156
NTDB id	229	SPD RS09895 WP 000249564.1	YAYDH.KIASLRLSTVGDYRGH	ESLVIRLLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLF	FAGPVGSGKTTLMHELSKSLF	156
NTDB id	195	SPR RS09430 WP 000249564.1	YAYDH.KIASLRLSTVGDYRGH	ESLVIRLLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLF	FAGPVGSGKTTLMHELSKSLF	156
NTDB id	160	SP RS10380 WP 000249564.1	YAYDH.KIASLRLSTVGDYRGH	ESLVIRLLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLF	FAGPVGSGKTTLMHELSKSLF	156
consensus			* ** ***** ! ! ! ! ! *	! ! ! ! ! * * * * * * * * * *	***** ! ! ! ! ! * * * * *	

NTDB	id	617	LCA	RS06480	WP	011375001.1	S	A	K	M	V	V	A	I	E	D	P	I	E	T	V	A	P	E	F	L	Q	L	Q	V	N	D	A	G	L	S	Y	A	E	L	L	K	I	S	L	R	L	R	P	D	T	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	H	A	R	S	T	238
NTDB	id	586	KW2	RS10855	WP	011836048.1	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	I	R	A	S	L	T	G	Y	T	V	F	S	T	I	H	A	S	V	235	
NTDB	id	584	DLJ5	RS00890	WP	019777327.1	P	D	S	Q	V	I	T	I	E	D	P	V	E	I	K	Q	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	V	L	I	I	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	H	A	K	S	I	239
NTDB	id	385	SMU	RS09035	WP	002263435.1	E	T	K	Q	V	I	T	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	S	I	D	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	I	I	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	H	A	K	S	I	237	
NTDB	id	394	FSA28	RS09405	WP	002291652.1	E	T	K	Q	V	I	T	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	S	I	D	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	I	I	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	H	A	K	S	I	237	
NTDB	id	429	SGO	RS09420	WP	012130942.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	T	I	G	L	T	Y	E	S	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	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	236
NTDB	id	500	SM12261	RS00945	WP	000249545.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	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	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	236
NTDB	id	304689	DV131	RS01980	WP	000249555.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	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	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	236
NTDB	id	270	KZH43	RS09265	WP	000249564.1	K	G	Q	Q	V	M	S	I	E	D	P	V	E	I	K	Q	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																																					

