

NTDB	id	617	LCA	RS06480	WP	011375001.1	.MSTEEKLTTLLKHCAKQVRVQDLYFTPTIGGWRLTERRQSDLVTNQELDKPTGTRYLNRLKYMAGMDISETTRAQTGRSELQLAD	84
NTDB	id	586	KW2	RS10855	WP	011836048.1	..MVQKKAAQELIQKAIEEASDIYLIASGNLYKIYIRQQLGRTLTJEEVNQEIGLALLTHFKFLAGMNTGERRRVQLGACWVELEG	83
NTDB	id	82976	H7678	RS00725	WP	003062163.1	..MVQALARSILIKAEAEQIQADDIYLIPKEDQYELLIRVGDERRLVDVYRGDRMAHLISHFKFVAGMTVGEKRRQCVGSCDYDIGG	83
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	MVEVQELGKELIRQAVEEQADDIYLLPKPAVKYKYLRFEGEKRHLLITQCPPPQEAACLISHFKFLAGMNVGKRRSQLGACDYAFAD	85
NTDB	id	394	FSA28	RS09405	WP	002291652.1	..MVQKLGRKIIAEAVQNKAQDIYIIPKKESYELYMRIGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRSQLGSCDSYDE	83
NTDB	id	385	SMU	RS09035	WP	002263435.1	..MVQKLGRKIIAEAVQNKAQDIYIIPKKESYELYMRIGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRSQLGSCDSYDE	83
NTDB	id	429	SGO	RS09420	WP	012130942.1	..MVQKIAAQAIVRQAKEECAQDIYFVPKDDCYELYMRIIGDERRFIQTYYDFDQLAAYISHFKFLAGMNVGEKRRSQLGSCDYRYDD	83
NTDB	id	500	SM12261	RS00945	WP	000249545.1	..MVQEIAQEIIIRSARKKGTAQDIYFVPKLDAYELHMRVGDERCKIGSYDFEFKFAAVISHFKFVAGMNVGEKRRSQLGSCDYFYDQ	83
NTDB	id	270	KZH43	RS09265	WP	000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEFKFAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDH	83
NTDB	id	229	SPD	RS09895	WP	000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEFKFAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDH	83
NTDB	id	195	SPR	RS09430	WP	000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEFKFAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDH	83
NTDB	id	160	SP	RS10380	WP	000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEFKFAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDH	83
consensus							***** * **** ! ***** * ** * ! ***** * ** * ! ***** ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! *	

NTDB	id	617	LCA	RS06480	WP	011375001.1	.QTIYLRRLATVGDFLNRESLVIRFIYPIGAIYHCDDQLLAQLTQMSRQSGLILFAGPTGSGKTTSLYHLAQSSMSAKMVVAIED	168
NTDB	id	586	KW2	RS10855	WP	011836048.1	SSAKRLRLSTVGDFEGNESLVIRLLHDKQKELEFWFD.DK.LQDFRCRKRGlyLFAGPVGSgktsLMFDLAHRHSNAQVITIEE	165
NTDB	id	82976	H7678	RS00725	WP	003062163.1	DTLLSRLRSSVGNRYRGESLVIRLLHHQQRSLHYWFD.GLKTVARQIGGRGLYLfAGpvGSgktTLmHQLIADYYQAQVISIED	167
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	GETAALRLSTVGdYqCReslvirllfDRKRLEKFwfd.GLNALPKIIGRGlyLfSPgvGSgkttlMYELvSRKPdSCIIITIED	169
NTDB	id	394	FSA21	RS09405	WP	002291652.1	GKVISLRLSSVGDYRGYESLVIRLLFSGRHDLKWFNF.SMDLILNEIKGRGLYLFSGPVGSGKTSLMYQLVKLRfETKQVITIED	167
NTDB	id	385	SMU	RS09035	WP	002263435.1	GKVISLRLSSVGDYRGYESLVIRLLFSGRHDLKWFNF.SMDLILNEIKGRGLYLFSGPVGSGKTSLMYQLVKLRfETKQVITIED	167
NTDB	id	429	SGO	RS09420	WP	012130942.1	.KETSIrLstvgDYrgyEsLvIrLLhdEEtElKfwft.HfPELREkfkdRGLYlfSGpVGsgkttLmHQLaqlKfkCqQVMsied	166
NTDB	id	500	SM12261	RS00945	WP	000249545.1	.KMASLRLSTVGdYRGhesLvIrLLhdEEQdlHFwfQ.dIEELGkYRRGRGLYfAGpVGsgkttLMHELSKSLFKCQQVMSIED	166
NTDB	id	270	KZH43	RS09265	WP	000249564.1	.KIAsLRLStvgDyRGhesLvIrLLhdEEQdlHFwfQ.dIEELGkYRRGRGLYfAGpVGsgkttLMHELSKSLFKCQQVMSIED	166
NTDB	id	229	SPD	RS09895	WP	000249564.1	.KIAsLRLStvgDyRGhesLvIrLLhdEEQdlHFwfQ.dIEELGkYRRGRGLYfAGpVGsgkttLMHELSKSLFKCQQVMSIED	166
NTDB	id	195	SPR	RS09430	WP	000249564.1	.KIAsLRLStvgDyRGhesLvIrLLhdEEQdlHFwfQ.dIEELGkYRRGRGLYfAGpVGsgkttLMHELSKSLFKCQQVMSIED	166
NTDB	id	160	SP	RS10380	WP	000249564.1	.KIAsLRLStvgDyRGhesLvIrLLhdEEQdlHFwfQ.dIEELGkYRRGRGLYfAGpVGsgkttLMHELSKSLFKCQQVMSIED	166
consensus							* * * * * ! * * * * ! * * * * * ! ! ! ! ! ! * * * * * * * * * * * * * * * * ! * * * * * ! ! *	

NTDB	id	617	LCA	RS06480	WP	011375001.1	P	T	E	I	V	A	P	E	F	L	Q	L	V	N	D	N	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	S	T	Q	G	V	A	R	L	L	D	L	G	T	S	E	L		253	
NTDB	id	586	KW2	RS10855	WP	011836048.1	P	V	E	L	I	D	S	D	F	I	Q	L	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	T	A	R	A	V	I	R	A	S	L	T	G	Y	T	V	F	S	T	I	H	A	S	V	K	G	V	Q	R	L	L	E	L	C	L	S	D	W		250		
NTDB	id	82976	H7678	RS00725	WP	003062163.1	P	V	E	I	K	N	H	Q	A	L	Q	L	V	N	D	S	I	G	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	T	L	I	I	G	E	I	R	D	S	T	A	R	A	V	I	R	A	S	L	T	G	V	L	V	F	S	T	V	H	A	K	S	I	P	G	V	A	R	L	L	E	L	G	V	T	R	A		252	
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	P	V	E	I	K	Q	D	N	M	L	Q	L	V	N	D	S	I	G	M	T	Y	D	H	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	V	H	A	K	S	I	P	G	V	A	R	L	L	E	L	G	V	S	D		254	
NTDB	id	394	FSA28	RS09405	WP	002291652.1	P	V	E	I	K	Q	D	N	M	L	Q	L	V	N	D	S	I	D	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	T	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	P	G	V	A	R	M	L	E	L	C	T	S	S	E		252
NTDB	id	385	SMU	RS09035	WP	002263435.1	P	V	E	I	K	Q	D	N	M	L	Q	L	V	N	D	S	I	D	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	T	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	P	G	V	A	R	M	L	E	L	C	T	S	S	E		252
NTDB	id	429	SGO	RS09420	WP	012130942.1	P	V	E	I	K	Q	D	N	M	L	Q	L	V	N	D	S	I	D	M	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	V	R	A	S	L	T	G	A	T	V	F	S	T	I	H	A	K	S	I	P	G	V	E	R	L	L	E	L	G	V	S	E		251	
NTDB	id	500	SM12261	RS00945	WP	000249545.1	P	V	E	I	K	Q	D	N	M	L	Q	L	V	N	D	S	I	D	M	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	H	A	K	S	I	P	G	V	E	R	L	L	E	L	G	V	S	E		251	
NTDB	id	270	KZH43	RS09265	WP	000249564.1	P	V	E	I	K	Q	D	N	M	L	Q	L	V</																																																																								

logo



X non conserved
X similar
X ≥ 50% conserved