

logo

NTDB	id	617	LCA	RS06480	WP	011375001.1	.MSTEEKLTTLLKHCAKQRVQDLYFTPTIGGWRLTERRQSLVTNQELDKPTGTRYINHLKYMAGMDISETTRRAQTGRSELQLAD	84
NTDB	id	586	KW2	RS10855	WP	011836048.1	..MVQKKKAQELIQKAIEMEASDIYLIASGNLYKIYIRQQLGRTLTJEEVNQEIGLALLTHFKFLAGMNTGERRRVQLGACWYELEG	83
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	MVEVQELGKLELRQAVEEQAQDIYILPKPAVKIYLRFGEKRHLIQTPPPEQAAGLISHFKFLAGMNVGEKRRSQLGCDYAFAD	85
NTDB	id	385	SMU	RS09035	WP	002263435.1	..MVQKLGRKIIAEAVQNKAQDIYIIPKKESYELYMRIICNERRFIDVDYHHFMANLISHFKFVAGMNVGEKRRSQLGSCDYSYDE	83
NTDB	id	394	FSA28	RS09405	WP	002291652.1	..MVQKLGRKIIAEAVQNKAQDIYIIPKKESYELYMRIICNERRFIDVDYHHFMANLISHFKFVAGMNVGEKRRSQLGSCDYSYDE	83
NTDB	id	429	SGO	RS09420	WP	012130942.1	..MVQKIAAQIVRQAKEECAQDIYFVPKLDAYELHMRVGDERCKIGCYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCDYRYDD	83
NTDB	id	500	SM12261	RS00945	WP	000249545.1	..MVQEIAQEIIIRSARKKGAQDIYFVPKLDAYELHMRVGDERCKIGCYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCDYEYDQ	83
NTDB	id	95470	QMM27	RS09245	WP	000249571.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDQ	83
NTDB	id	270	KZH43	RS09265	WP	000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDH	83
NTDB	id	229	SPD	RS09895	WP	000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDH	83
NTDB	id	195	SPR	RS09430	WP	000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDH	83
NTDB	id	160	SP	RS10380	WP	000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDH	83
consensus							***** * !! ! ***** ! ! **** * ***** ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! *	

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NTDB	id	617	LCA RS06480 WP 011375001.1	.QTTIYLRRLATVGDFLNRNRESLVIRFITYPIGAIYHCDDQLLAQLTQMSRQSGLILFAGPTGSGKTTSLYLHAQQSMSAKMVVAIED	168
NTDB	id	586	KW2 RS10855 WP 011836048.1	SSAKRLRLSTVGDFECNESLVI RLLHDQKQELFWFD.DK.LQDFRCRKRLGYLFAGPVGSGKTSLMFDLAHRHFSNAQVITIEE	165
NTDB	id	584	DLJ51 RS00890 WP 019777327.1	GETAALRLSTVGDYQGCRSLVIRLLFDRKRELKFWF.DGINALLPKIIIGRGLYLFSPGVSGKTTLMYELVSRKYPDQSQTITIED	169
NTDB	id	385	SMU RS09035 WP 002263435.1	GKVISLRLSVVDYRGYESLVIRLLFSGRHLDKFWFN.SMDLLINEIKGRGLYLFSPGVSGKTSLMYQLVKLRFETKQVITIED	167
NTDB	id	394	FSA28 RS09405 WP 002291652.1	GKVISLRLSVVDYRGYESLVIRLLFSGRHLDKFWFN.SMDLLINEIKGRGLYLFSPGVSGKTSLMYQLVKLRFETKQVITIED	167
NTDB	id	429	SGO RS09420 WP 012130942.1	.KETSI RLSTVG DYRGYESLVIRLLHDEETELKF WFT.HFPELREKFKDRGLYLFSPGVSGKTTLMHQLAQLKFKGQQVM SIED	166
NTDB	id	500	SM12261 RS00945 WP 000249545.1	.KMASRLSTVG DYRGHESLVIRLLHDEEQD LHF WFQ.DIEEL GKQYVRQRGLYLFAGPVGSGKTTLMHELAKSLFKGQQVM SIED	166
NTDB	id	95470	QMM27 RS09245 WP 000249571.1	.KMASRLSTVG DYRGHESLVIRLLHDEEQD LHF WFQ.DIEEL GKQYVRQRGLYLFAGPVGSGKTTLMHELAKSLFKGQQVM SIED	166
NTDB	id	270	KZH43 RS09265 WP 000249564.1	.KIASRLSTVG DYRGHESLVIRLLHDEEQD LHF WFQ.DIEEL GKQYVRQRGLYLFAGPVGSGKTTLMHELSKSLFKGQQVM SIED	166
NTDB	id	229	SPD RS09895 WP 000249564.1	.KIASRLSTVG DYRGHESLVIRLLHDEEQD LHF WFQ.DIEEL GKQYVRQRGLYLFAGPVGSGKTTLMHELSKSLFKGQQVM SIED	166
NTDB	id	195	SPR RS09430 WP 000249564.1	.KIASRLSTVG DYRGHESLVIRLLHDEEQD LHF WFQ.DIEEL GKQYVRQRGLYLFAGPVGSGKTTLMHELSKSLFKGQQVM SIED	166
NTDB	id	160	SP RS10380 WP 000249564.1	.KIASRLSTVG DYRGHESLVIRLLHDEEQD LHF WFQ.DIEEL GKQYVRQRGLYLFAGPVGSGKTTLMHELSKSLFKGQQVM SIED	166
consensus				* * * * * ! ! ! ! ! * * * * * ! ! ! ! ! * * * * * ! ! ! ! ! * * * * * ! ! ! ! ! * * * * * ! ! ! ! ! *	

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NTDB	id	617	LCA	RS06480	WP	011375001.1	P	T	E	I	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	G	E	I	R	D	L	E	T	A	Q	Y	V	V	S	A	A	L	S	C	H	L	V	L	S	T	I	H	A	R	S	T	Q	G	V	V	A	R	L	L	D	L	G	I	S	E	L		253
NTDB	id	586	KW2	RS10855	WP	011836048.1	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	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	V	A	R	L	L	E	L	G	I	S	D	W		250
NTDB	id	584	DLJ51	RS00890	WP	019777327.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	P	S	I	G	M	T	Y	D	H	L	I	K	L	S	L	R	H	R	P	D	V	L	I	G	E	I	R	D	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	P	G	V	Y	A	R	L	E	L	G	V	S	E	D		254	
NTDB	id	385	SMU	RS09035	WP	002263435.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	S	I	G	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	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	Y	A	R	L	E	L	G	T	S	E		252		
NTDB	id	394	FSA28	RS09405	WP	002291652.1	P	V	E	I	K	Q	D	N	M	L	Q	L	Q	L	N	E	S	I	G	M	T	Y	D	N	L	I	K	L	S	L	R	H	R	P	D	L	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	Y	A	R	L	E	L	G	T	S	E		252		
NTDB	id	429	SGO	RS09420	WP	012130942.1	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	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	P	G	V	Y	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	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	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	P	G	V	Y	E	R	L	L	E	L	G	V	S	E		251	
NTDB	id	95470	QMM27	RS09245	WP	000249571.1	P	V	E	I	K	Q	D	D	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	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	P	G	V	Y	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	D	M	L	Q																																																																										

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NTDB id 617 LCA RS06480 WP 011375001.1	ELRACLTGIAYQSLVTKDDVVQAH...YELLTGSDYFSKKE.....GGCDV.....	296
NTDB id 586 KW2 RS10855 WP 011836048.1	ELKNGLEAVVYQRLIAGKGVLDIAKSKFDTWSPKKWNEKIENLYANGHLTATEAEREKISINQASKIDTTDGESFE	326
NTDB id 584 DLJ51 RS00890 WP 019777327.1	ELDNCLAGIAYQRLIGGGGLIDFAQDHFQNHQAECWNEKIDQLLAAGHLTEEEAAAEEKIKD.....	315
NTDB id 385 SMU RS09035 WP 002263435.1	ELQNALRGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEIIE.....	313
NTDB id 394 FSA28 RS09405 WP 002291652.1	ELQNALCGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEIIE.....	313
NTDB id 429 SGO RS09420 WP 012130942.1	ELKIVLQGGICYQRLIGGGGVIDFASDNYQEHEPTVWNQQIDQLLAAGHIHPEQAEAEKIRNQQAKTSY.....	319
NTDB id 500 SM12261 RS00945 WP 000249545.1	ELAVVLQGVCYQRLIGGGGIVDFANKDYQEHQSTSWNAQIDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 95470 QMM27 RS09245 WP 000249571.1	ELAVVLQGVCYQRLIGGGGIVDFANRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 270 KZH43 RS09265 WP 000249564.1	ELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 229 SPD RS09895 WP 000249564.1	ELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 195 SPR RS09430 WP 000249564.1	ELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS.....	313
NTDB id 160 SP RS10380 WP 000249564.1	ELAVVLQGVCYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS.....	313
consensus	*! **!*****!!*!***** **!***** **!***** **!***** **!*****	

- non conserved
- similar
- ≥ 50% conserved