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NTDB id 617 LCA RS06480 WP 011375001.1	.MST	EEKLTTLLKHCAKQQRVQDLYFTPTIGGWRLTERRQSDLVTNQELDKPTGTRYLNRLKYMAGMDISETRRAQTCGRSE	79				
NTDB id 586 KW2 RS10855 WP 011836048.1	..	MVQKKAKELIQKAIEMEASDIYLTASGNLYKIYIRQQLGRTLIEEVNQEIGLALLTHFKFLAGMNTGERRRVQLGACW	78				
NTDB id 584 DLJ51 RS00890 WP 019777327.1	MVEVQELGKELIRQA	VEEQAQDIYLLPKPAVYKIYLRFGCKRHLIQTCPP	EQAAGLISHFKFLAGMNVGEKRR	AQLGACD	80		
NTDB id 385 SMU RS09035 WP 002263435.1	..	MVQKLGRKIIAEAVQNKAQDIYIIPKKESYELMRIGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRS	QLGSCD	78			
NTDB id 394 FSA28 RS09405 WP 002291652.1	..	MVQKLGRKIIAEAVQNKAQDIYIIPKKESYELMRIGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRS	QLGSCD	78			
NTDB id 429 SGO RS09420 WP 012130942.1	..	MVQKIAQAIIVRQAKEECAQDIYFVPKDDCYELMRIGDERRFIQTYDFDQLAAVISHFKFLAGMNVGEKRRS	QLGSCD	78			
NTDB id 500 SM12261 RS00945 WP 000249545.1	..	MVQEIAQEIIRSARKKGAQDIYFVPKLDAYELHMRVGD	ERCKIGCYDFEKF	AAVISHFKFVAGMNVGEKRRS	QLGSCD	78	
NTDB id 352579 ES300 RS09520 WP 000249568.1	..	MVQEIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGD	ERCKIGSYDFEKF	AAVISHFKFVAGMNVGEKRRS	QLGSCD	78	
NTDB id 270 KZH43 RS09265 WP 000249564.1	..	MVQEIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGD	ERCKIGSYDFEKF	AAVISHFKFVAGMNVGEKRRS	QLGSCD	78	
NTDB id 229 SPD RS09895 WP 000249564.1	..	MVQEIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGD	ERCKIGSYDFEKF	AAVISHFKFVAGMNVGEKRRS	QLGSCD	78	
NTDB id 195 SPR RS09430 WP 000249564.1	..	MVQEIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGD	ERCKIGSYDFEKF	AAVISHFKFVAGMNVGEKRRS	QLGSCD	78	
NTDB id 160 SP RS10380 WP 000249564.1	..	MVQEIAQEIIRSARKKGTQDIYFVPKLDAYELHMRVGD	ERCKIGSYDFEKF	AAVISHFKFVAGMNVGEKRRS	QLGSCD	78	
consensus		*****	****	*!*!*****	*!*****	* *****	*****!*****!*****!*****!*****

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NTDB id 617 LCA RS06480 WP 011375001.1	LQLAD.QTIYLRRLATVGDFLNRESLVRIRFTYPIGAIYHCDDQQLAQLITQMSRQSGLIIFAGPTGSGKTTSLYHLAQQSM	158
NTDB id 586 KW2 RS10855 WP 011836048.1	YELEGSSAKRLRLSTVGDFEGNESLVRILLHDQKQELEFWFD.DK..LQDFRCKRGLYLFAGPVGSGKTSLMFDLAHRHF	155
NTDB id 584 DLJ51 RS00890 WP 019777327.1	YAFADGETAALRLSTVGDYQGRESLVRILLFDRKRLELKFWD.GLNALLPKIIGRGLYLFSGPVGSGKTTLMYELVSRKY	159
NTDB id 385 SMU RS09035 WP 002263435.1	YSYDEGKVISLRLSVGDYRGYESLVRILLFSGRHDLKFWFN.SMDLILNEIKGRGLYLFSGPVGSGKTSLMYQLVKLRF	157
NTDB id 394 FSA28 RS09405 WP 002291652.1	YSYDEGKVISLRLSVGDYRGYESLVRILLFSGRHDLKFWFN.SMDLILNEIKGRGLYLFSGPVGSGKTSLMYQLVKLRF	157
NTDB id 429 SGO RS09420 WP 012130942.1	YRYDD.KETSIRLSTVGDYRGYESLVRILLHDEETELKFWFT.HFPELREKFKDRGLYLFSGPVGSGKTTLMHQLAQLKF	156
NTDB id 500 SM12261 RS00945 WP 000249545.1	YEYDQ.KMASLRLSTVGDYRGHESLVRILLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLFAGPVGSGKTTLMHELAKSLF	156
NTDB id 352579 ES300 RS09520 WP 000249568.1	YAYDQ.KMASLRLSTVGDYRGHESLVRILLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLFAGPVGSGKTTLMHELAKSLF	156
NTDB id 270 KZH43 RS09265 WP 000249564.1	YAYDH.KIASLRLSTVGDYRGHESLVRILLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLFAGPVGSGKTTLMHELAKSLF	156
NTDB id 229 SPD RS09895 WP 000249564.1	YAYDH.KIASLRLSTVGDYRGHESLVRILLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLFAGPVGSGKTTLMHELAKSLF	156
NTDB id 195 SPR RS09430 WP 000249564.1	YAYDH.KIASLRLSTVGDYRGHESLVRILLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLFAGPVGSGKTTLMHELAKSLF	156
NTDB id 160 SP RS10380 WP 000249564.1	YAYDH.KIASLRLSTVGDYRGHESLVRILLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLFAGPVGSGKTTLMHELAKSLF	156
consensus	* ** * * * * ! * * * ! * * * * !	

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NTDB id 617 LCA RS06480 WP 011375001.1	SAKMVV	AIEDPIEIVAPEFLQLQVNDNAGLSYAEL	LKISLRLRPDTLIIGEIRDLETAQYVVSA	ALS	SGHLVLSTIHAR	ST	238
NTDB id 586 KW2 RS10855 WP 011836048.1	SNAQVI	TIEPVELIDSDFIQLQVNDVIGNSY	DELIKLSLRHRPDLLIVGEIRDQQTARAV	LRASLTGYTVFSTIHA	ASV		235
NTDB id 584 DLJ51 RS00890 WP 019777327.1	PDSQI	TIEDPVEIKQDNMLQLQLNPSIGMTY	DHLIKLSLRHRPDVLIIGEIRDRETAQAV	IRASLTGIRVFSTI	VHAKSI		239
NTDB id 385 SMU RS09035 WP 002263435.1	ETKQVI	TIEDPVEIKQDNMLQLQLNESIDMTY	DNLIKLSLRHRPDLLIIGEIRDRETAQAV	IRASLTGAMVFSTI	HA	AKSI	237
NTDB id 394 FSA28 RS09405 WP 002291652.1	ETKQVI	TIEDPVEIKQDNMLQLQLNESIDMTY	DNLIKLSLRHRPDLLIIGEIRDRETAQAV	IRASLTGAMVFSTI	HA	AKSI	237
NTDB id 429 SGO RS09420 WP 012130942.1	KGQQVMS	IEDPVEIKQEDMLQLQLNETIGLTYE	SLIKLSLRHRPDLLIIGEIRDS	ETARAVVRASLTGATVFSTI	HA	AKSI	236
NTDB id 500 SM12261 RS00945 WP 000249545.1	KGQQVMS	IEDPVEIKQDNMLQLQLNEAIGLTYE	NLIKLSLRHRPDLLIIGEIRDS	ETARAVVRASLTGATVFSTI	HA	AKSI	236
NTDB id 352579 ES300 RS09520 WP 000249568.1	KGQQVMS	IEDPVEIKQDDMLQLQLNEAIGLTYE	NLIKLSLRHRPDLLIIGEIRDI	ETARAVVRASLTGATVFSTI	HA	AKSI	236
NTDB id 270 KZH43 RS09265 WP 000249564.1	KGQQVMS	IEDPVEIKQDDMLQLQLNEAIGLTYE	NLIKLSLRHRPDLLIIGEIRDS	ETARAVVRASLTGATVFSTI	HA	AKSI	236
NTDB id 229 SPD RS09895 WP 000249564.1	KGQQVMS	IEDPVEIKQDDMLQLQLNEAIGLTYE	NLIKLSLRHRPDLLIIGEIRDS	ETARAVVRASLTGATVFSTI	HA	AKSI	236
NTDB id 195 SPR RS09430 WP 000249564.1	KGQQVMS	IEDPVEIKQDDMLQLQLNEAIGLTYE	NLIKLSLRHRPDLLIIGEIRDS	ETARAVVRASLTGATVFSTI	HA	AKSI	236
NTDB id 160 SP RS10380 WP 000249564.1	KGQQVMS	IEDPVEIKQDDMLQLQLNEAIGLTYE	NLIKLSLRHRPDLLIIGEIRDS	ETARAVVRASLTGATVFSTI	HA	AKSI	236
consensus	*****	*****!*****!*****	!!!!!!*****	*****!*****!*****!*****!*****!*****	*****!*****!*****!*****!*****!*****	*****!*****!*****!*****!*****!*****	*****

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NTDB id 617 LCA RS06480 WP 011375001.1
NTDB id 586 KW2 RS10855 WP 011836048.1
NTDB id 584 DLJ51 RS00890 WP 019777327.1
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NTDB id 394 FSA28 RS09405 WP 002291652.1
NTDB id 429 SGO RS09420 WP 012130942.1
NTDB id 500 SM12261 RS00945 WP 000249545.1
NTDB id 352579 ES300 RS09520 WP 000249568.1
NTDB id 270 KZH43 RS09265 WP 000249564.1
NTDB id 229 SPD RS09895 WP 000249564.1
NTDB id 195 SPR RS09430 WP 000249564.1
NTDB id 160 SP RS10380 WP 000249564.1
consensus

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- X non conserved
- X similar
- X $\geq 50\%$ conserved