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NTDB id 617	LCA RS06480 WP 011375001.1	.MSTEEKLTTLLKHCAKQRVQDIYFTPTIGGMRLTERRQSGLVTNQELDKPTGTRYLNRLKYMAGMDISETRRRAQTGRSE	79
NTDB id 586	KW2 RS10855 WP 011836048.1	..MVQKKAQELIQKAIEMEASDIYLIASGNLYKIYIRQQLGRTLIEEVNQEIGLALLTHFKFLAGMNTGERRRVQLGACW	78
NTDB id 584	DLJ51 RS00890 WP 019777327.1	MVEVQELGKELIRQAVEEQADDIYLLPKPAVYKIYLRFGCKRHLLIQTCPPPEQAAGLISHFKFLAGMNVGEKRRRQLGACD	80
NTDB id 385	SMU RS09035 WP 002263435.1	..MVQKLGKRIIAEAVQNKAQDIYIIPKKESYELYMRIGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB id 394	FSA28 RS09405 WP 002291652.1	..MVQKLGKRIIAEAVQNKAQDIYIIPKKESYELYMRIGNERRFIDVYDHHFMANLISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB id 500	SM12261 RS00945 WP 000249545.1	..MVQEIAQEIIIRSARKKGAQDIYFVPKLDAYELHMRVGDERCKIGCYDFEKFFAAVISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB id 270	KZH43 RS09265 WP 000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFFAAVISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB id 229	SPD RS09895 WP 000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFFAAVISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB id 195	SPR RS09430 WP 000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFFAAVISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB id 160	SP RS10380 WP 000249564.1	..MVQEIAQEIIIRSARKKGTQDIYFVPKLDAYELHMRVGDERCKIGSYDFEKFFAAVISHFKFVAGMNVGEKRRSQLGSCD	78
NTDB id 157670	SanJ4211 RS01235 WP 003027001.1	..MVQNIQAALICQAKKEQAQDIYFVPRENMYELYMRIGDERRFIQQYAFEEMA AVISHFKFTAGMNVGEKRRSQLGSCD	78
NTDB id 429	SGO RS09420 WP 012130942.1	..MVQKIAQAIVRQAKEECAQDIYFVPKDICYELYMRIGDERRFIQTYYDFDQLAAVISHFKFTAGMNVGEKRRSQLGSCD	78
consensus		***** ** *!*!* ** * ** *!* ** *	

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NTDB id 617	LCA RS06480 WP 011375001.1	LQLADQ.TIYLRRLATVGDFLNRESLVIRFTYPIGAIYHCDQIITACITQMSRQSGLIIFAGPTGSGKTTSLYHTAQQSM	158
NTDB id 586	KW2 RS10855 WP 011836048.1	YELGSSAKRLRLSTVGDFEGNESLVIRLLHDQKQELEFWFD.DK..LQDFRCKRGLYLFAGPVGSGKTSLMFDLAHRHF	155
NTDB id 584	DLJ51 RS00890 WP 019777327.1	YAFADGETAALRLSTVGDYQGRESLVIRLLFDRKRELKFWFD.GLNALLPKIIGRGLYLFSGPVGSGKTTLMYELVSRKY	159
NTDB id 385	SMU RS09035 WP 002263435.1	YSYDEGKVISLRLSSVG DYRGYESLVIRLLFSGRHD LKFWFN.SMDLILNEIKGRGLYLFSGPVGSGKTSLMYQLV K LRF	157
NTDB id 394	FSA28 RS09405 WP 002291652.1	YSYDEGKVISLRLSSVG DYRGYESLVIRLLFSGRHD LKFWFN.SMDLILNEIKGRGLYLFSGPVGSGKTSLMYQLV K LRF	157
NTDB id 500	SM12261 RS00945 WP 000249545.1	YEYDQK.MASLRLSTVG DYRGYESLVIRLLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLFAGPVGSGKTTLMH ELAKSLF	156
NTDB id 270	KZH43 RS09265 WP 000249564.1	YAYDHK.IASLRLSTVG DYRGYESLVIRLLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLFAGPVGSGKTTLMH EL SKSLF	156
NTDB id 229	SPD RS09895 WP 000249564.1	YAYDHK.IASLRLSTVG DYRGYESLVIRLLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLFAGPVGSGKTTLMH EL SKSLF	156
NTDB id 195	SPR RS09430 WP 000249564.1	YAYDHK.IASLRLSTVG DYRGYESLVIRLLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLFAGPVGSGKTTLMH EL SKSLF	156
NTDB id 160	SP RS10380 WP 000249564.1	YAYDHK.IASLRLSTVG DYRGYESLVIRLLHDEEQDLHFWFQ.DIEELGKQYRQRGLYLFAGPVGSGKTTLMH EL SKSLF	156
NTDB id 157670	SanJ4211 RS01235 WP 003027001.1	YQYGDK.KTSLRLSTVG DYRGYESLVIRLLHDEEAE LKFWFA.QIPELKERFKQRGLYLFSGPVGSGKTTLMHQLA QERF	156
NTDB id 429	SGO RS09420 WP 012130942.1	YRYDDK.ETSLRLSTVG DYRGYESLVIRLLHDEETELKFWFT.HFPELREKFKDRGLYLFSGPVGSGKTTLMHQLAQLKF	156
consensus		* ** * * *!*!*!*!*!* *!*!*!*!* ** ** ** ** **** *!*!*!*!*!*!*!*!*!*!*!*!*!* *	

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NTDB id 617	LCA RS06480 WP 011375001.1	SAKMVVAIEDPIEIVAPEFLQLQVNDNAGLSYAE LKISLRRLRPDTLIIGEIRDLETAQYVVSAA LSGHLV LSTIHARST	238
NTDB id 586	KW2 RS10855 WP 011836048.1	SNAQVITIEEPVELIDSDFIQLQVNDVIGNSYDELIKLSLRHRPDLLIIGEIRDQQTARAVIRASLTGYTVFSTIHAASV	235
NTDB id 584	DLJ51 RS00890 WP 019777327.1	PDSQIITIEDPVEIKQDNMLQLQLNPSIGMTYDHLIKLSLRHRPDVLIIGEIRDRETAQAVIRASLTGIRVPSTVHAKSI	239
NTDB id 385	SMU RS09035 WP 002263435.1	ETKQVITIEDPVEIKQDNMLQLQLNESIDMTYDNLIKLSLRHRPDLLIIGEIRDKETARAVIRASLTGAMVFPSTIHA KSI	237
NTDB id 394	FSA28 RS09405 WP 002291652.1	ETKQVITIEDPVEIKQDNMLQLQLNESIDMTYDNLIKLSLRHRPDLLIIGEIRDKETARAVIRASLTGAMVFPSTIHA KSI	237
NTDB id 500	SM12261 RS00945 WP 000249545.1	KGQQVMSIEDPVEIKQDNMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDS ETARAVVRASLTGATVFPSTIHA KSI	236
NTDB id 270	KZH43 RS09265 WP 000249564.1	KGQQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDS ETARAVVRASLTGATVFPSTIHA KSI	236
NTDB id 229	SPD RS09895 WP 000249564.1	KGQQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDS ETARAVVRASLTGATVFPSTIHA KSI	236
NTDB id 195	SPR RS09430 WP 000249564.1	KGQQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDS ETARAVVRASLTGATVFPSTIHA KSI	236
NTDB id 160	SP RS10380 WP 000249564.1	KGQQVMSIEDPVEIKQDDMLQLQLNEAIGLTYENLIKLSLRHRPDLLIIGEIRDS ETARAVVRASLTGATVFPSTIHA KSI	236
NTDB id 157670	SanJ4211 RS01235 WP 003027001.1	ADQQIMSIEDPVEIKQAGMLQLQLNEAIGLTYESLIKLSLRHRPDLLIIGEIRDA ETARAVVRASLTG VTFVFPSTIHA KSV	236
NTDB id 429	SGO RS09420 WP 012130942.1	KGQQVMSIEDPVEIKQEDMLQLQLNETIGLTYESLIKLSLRHRPDLLIIGEIRDS ETARAVVRASLTGATVFPSTIHA KSI	236
consensus		*****!*!*!*!*!*!*!*!*!*!*!*!* ** ** ** *!*!*!*!*!*!*!*!*!*!*!*!*!*!* *	

logo

NTDB id 617 LCA RS06480 WP 011375001.1	QGVVARLLDLGISELQLRACLTGTAAYQSLVTKDDVVQA...HYELLTGSDYFSKKEGGCDV.....	296
NTDB id 586 KW2 RS10855 WP 011836048.1	KGVVQRLLLELGLSDWELKNGL EAVVYQRLTAGKGVLDIAKSKFDTWSPKKWNEKIENTLYANGHITATEAEREKTSINQAS	315
NTDB id 584 DLJ51 RS00890 WP 019777327.1	PGVYARILELGVSDDELDNCLAGIAYQRLIGGGGLIDFAQDHFQNHQAECWNEKIDQLLIAAGHITEEFAAAEKIKD....	315
NTDB id 385 SMU RS09035 WP 002263435.1	PGVYARMLELGTSSSEELQNALRCIVYQRLIGGGGITDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEETIED....	313
NTDB id 394 FSA28 RS09405 WP 002291652.1	PGVYARMLELGTSSSEELQNALCGIVYQRLIGGGGITDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEETIED....	313
NTDB id 500 SM12261 RS00945 WP 000249545.1	RGVYERLLELGVSEEEELAVVLQGV CYQRLIGGGGIVDFANKDYQEHQSTSWNAQIDQLLKDGHITSLQAETEKISYS...	313
NTDB id 270 KZH43 RS09265 WP 000249564.1	RGVYERLLELGVSEEEELAVVLQGV CYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS...	313
NTDB id 229 SPD RS09895 WP 000249564.1	RGVYERLLELGVSEEEELAVVLQGV CYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS...	313
NTDB id 195 SPR RS09430 WP 000249564.1	RGVYERLLELGVSEEEELAVVLQGV CYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS...	313
NTDB id 160 SP RS10380 WP 000249564.1	RGVYERLLELGVSEEEELAVVLQGV CYQRLIGGGGIVDFASRDYQEHQAAKWNEQIDQLLKDGHITSLQAETEKISYS...	313
NTDB id 157670 SanJ4211 RS01235 WP 003027001.1	RGVYERLLELGVTEAEIKIVLQGCICYQRLIAKGGIVDFVSERYQEHEPSDWNKQIDQLYAAGHVTFEQAETEKIHS...	313
NTDB id 429 SGO RS09420 WP 012130942.1	PGVYERLLELGVSEEEELKIVLQGCICYQRLIGGGGIVDFASDNYQEHEPTVWNQIDQLLAAGHIHPEQAEEKIRNQAK	316
consensus	*!***!*!*!*!*****! ****!*****!*!*!********** ***** * *** ***** ***** *****	

logo

NTDB id 617 LCA RS06480 WP 011375001.1	KIDTTDGSFE	296
NTDB id 586 KW2 RS10855 WP 011836048.1	KIDTTDGSFE	326
NTDB id 584 DLJ51 RS00890 WP 019777327.1		315
NTDB id 385 SMU RS09035 WP 002263435.1		313
NTDB id 394 FSA28 RS09405 WP 002291652.1		313
NTDB id 500 SM12261 RS00945 WP 000249545.1		313
NTDB id 270 KZH43 RS09265 WP 000249564.1		313
NTDB id 229 SPD RS09895 WP 000249564.1		313
NTDB id 195 SPR RS09430 WP 000249564.1		313
NTDB id 160 SP RS10380 WP 000249564.1		313
NTDB id 157670 SanJ4211 RS01235 WP 003027001.1		313
NTDB id 429 SGO RS09420 WP 012130942.1	TSY.....	319
consensus		

- X non conserved
- X similar
- X ≥ 50% conserved