

NTDB id	586 KW2 RS10855 WP 011836048.1	..MVQKKAQELIQKAIEMEAASDIYLIASGNLYKIYYIRQQLGRTLIEEVNQEIGLALLTHFKFLAGMNTGERRRVQLGACWYELEHG	83
NTDB id	584 DLJ51 RS00890 WP 019777327.1	MVEVQELGKELIRQAVEEQAQDIYLLPKPAVKIYYLRFGCEKRHLIQTCPPEQAAGLISHFKFLAGMNVGKKRAQLGACDYAFAD	85
NTDB id	385 SMU RS09035 WP 002263435.1	..MVQKLGRKIIAEAVQNKAQDIYIIPKKESYELYMRIGNERRFIDVDYDHHFMANLISHFKFVAGMNVGEKRRSQLGSCDYSYDE	83
NTDB id	394 FSA28 RS09405 WP 002291652.1	..MVQKLGRKIIAEAVQNKAQDIYIIPKKESYELYMRIGNERRFIDVDYDHHFMANLISHFKFVAGMNVGEKRRSQLGSCDYSYDE	83
NTDB id	82875 H7677 RS00725 WP 184493705.1	..MIQEAKARKMIEEAADVRSDIYLVPRGECYQVYHRIIMDEREFVQDMAEEVIALISHFKFLAGLNVGKKRSSQQGSCDYYGS	86
NTDB id	429 SGO RS09420 WP 012130942.1	..MVQKIAQAIIVRQAKEECAQDIYFVPKLDGCYELVMRIGDERRFITQYDFDLQAAVISHFKFLAGMNVGEKRRSQLGSCDYRYDD	83
NTDB id	500 SM12261 RS00945 WP 000249545.1	..MVQEIAQEIIRSARCKGAQDIYFVPKLDAYELHMRVGDERCXICGYDFEKFAAAVISHFKFVAGMNVGEKRRSQLGSCDYEYDQ	83
NTDB id	270 KZH43 RS09265 WP 000249564.1	..MVQEIAQEIIRSARCKGTQDIYFVPKLDAYELHMRVGDERCXIGSYDFEKFAAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDH	83
NTDB id	229 SPD RS09895 WP 000249564.1	..MVQEIAQEIIRSARCKGTQDIYFVPKLDAYELHMRVGDERCXIGSYDFEKFAAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDH	83
NTDB id	195 SPR RS09430 WP 000249564.1	..MVQEIAQEIIRSARCKGTQDIYFVPKLDAYELHMRVGDERCXIGSYDFEKFAAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDH	83
NTDB id	160 SP RS10380 WP 000249564.1	..MVQEIAQEIIRSARCKGTQDIYFVPKLDAYELHMRVGDERCXIGSYDFEKFAAAVISHFKFVAGMNVGEKRRSQLGSCDYAYDH	83
consensus		* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *	

SSAKRLRLSTVGDYRGESLVI	RLRLHDEEQLKQFELFWFDDK	..LQDFRCKRGLYLFAGPVGSGKT	SLMFDLAHRHFSNAQVITIEBP	166																																																																																															
GETAALRLSTVGDYQGR	ESLVIIRLLFDRKRLKFWFDGL	NALLPKIIGRGLYLFSGPVGSGKTTLM	YELVSRKYPDSQVITIEDP	170																																																																																															
GKVISLRLSVGDYRGY	ESLVIIRLLFSGRHLDFKWFNS	MDLILNEIKGRGLYLFSGPVGSGKT	SLMYQLVKLRFETKQVITIEDP	168																																																																																															
GKVISLRLSVGDYRGY	ESLVIIRLLFSGRHLDFKWFNS	MDLILNEIKGRGLYLFSGPVGSGKT	SLMYQLVKLRFETKQVITIEDP	168																																																																																															
G.EISLRRLSTVGDYRK	ESLVIIRLLYDNDKELKFWFEAAER	LAEELKGRGLYLFSGPVGSGKTTLM	YHLARLKFDPDKQVITIEDP	167																																																																																															
K.ETSIRLSTVGDYRGY	ESLVIIRLLHDEELKFWFTHFPEL	REKFKDRGLYLFSGPVGSGKTTLMH	QLAQLKFKGQQVMSIEDP	167																																																																																															
K.MASRLSTVGDYRGH	ESLVIIRLLHDEEQLHFWFQDIEEL	GKQYRQRGLYLFAGPVGSGKTTLMH	ELAKSLFKGQQVMSIEDP	167																																																																																															
K.IASRLSTVGDYRGH	ESLVIIRLLHDEEQLHFWFQDIEEL	GKQYRQRGLYLFAGPVGSGKTTLMH	ELSKSLFKGQQVMSIEDP	167																																																																																															
K.IASRLSTVGDYRGH	ESLVIIRLLHDEEQLHFWFQDIEEL	GKQYRQRGLYLFAGPVGSGKTTLMH	ELSKSLFKGQQVMSIEDP	167																																																																																															
K.IASRLSTVGDYRGH	ESLVIIRLLHDEEQLHFWFQDIEEL	GKQYRQRGLYLFAGPVGSGKTTLMH	ELSKSLFKGQQVMSIEDP	167																																																																																															
K.IASRLSTVGDYRGH	ESLVIIRLLHDEEQLHFWFQDIEEL	GKQYRQRGLYLFAGPVGSGKTTLMH	ELSKSLFKGQQVMSIEDP	167																																																																																															
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NTDB id 586 KW2 RS10855 WP 011836048.1	LKNGLEAVVYQRLIAGKGVLDIAKSKFDTWSPKKWNEKIENLYANGHLTAIEAEREKISINQASKIDTTDGESFE	326
NTDB id 584 DLJ51 RS00890 WP 019777327.1	LDNCLAGTAYQRLIGGGGLIDFAQDHFQNHQAECWNEKIDQLLAAGHLTEEEAAAEKIKD.....	315
NTDB id 385 SMU RS09035 WP 002263435.1	LQNALRGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEIEID.....	313
NTDB id 394 FSA28 RS09405 WP 002291652.1	LQNALCGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEIEID.....	313
NTDB id 82875 H7677 RS00725 WP 184493705.1	LNNALQGTAYQRLIGGGGVVDFAKGNYQNHSTDQWNAQIDRLFAGHISLRQAETEKIALGSPA.....	316
NTDB id 429 SGO RS09420 WP 012130942.1	LKIVLQGGICYQRLIGGGGVIDFASDNYQEHEPTVWNQIDQLLAAGHIHPEQAEAEKIRNQQAKTSY.....	319
NTDB id 500 SM12261 RS00945 WP 000249545.1	LAVVLQGVQYQRLIGGGGIVDFANKDYQEHQSTSWNAQIDQLLLKDGHITSLQAETEKISYS.....	313
NTDB id 270 KZH43 RS09265 WP 000249564.1	LAVVLQGVQYQRLIGGGGIVDFASRDYQEHQAQAKWNEQIDQLLLKDGHITSLQAETEKISYS.....	313
NTDB id 229 SPD RS09895 WP 000249564.1	LAVVLQGVQYQRLIGGGGIVDFASRDYQEHQAQAKWNEQIDQLLLKDGHITSLQAETEKISYS.....	313
NTDB id 195 SPR RS09430 WP 000249564.1	LAVVLQGVQYQRLIGGGGIVDFASRDYQEHQAQAKWNEQIDQLLLKDGHITSLQAETEKISYS.....	313
NTDB id 160 SP RS10380 WP 000249564.1	LAVVLQGVQYQRLIGGGGIVDFASRDYQEHQAQAKWNEQIDQLLLKDGHITSLQAETEKISYS.....	313
consensus	! **!*!!!!!!*!*!*!*! *!!!! *!***!***! !*** **!*!!!!*	

- ☐ non conserved
- ☒ similar
- ☒ ≥ 50% conserved