

NTDB id 478 HSISS4 RS06985 WP 021143811.1	MTENKNVILSARDIVVEFDVRDRVLTAIRGVSLDLVEGEVLALVGESGSGKSVLTKTFTGMLEENGRVASGSIDYRGQDLTKLKS	85
NTDB id 327 STU RS16115 WP 011226304.1	MTENKNVILSARDIVVEFDVRDRVLTAIRGVSLDLVEGEVLALVGESGSGKSVLTKTFTGMLEENGRVASGSIDYRGKD LTKFKS	85
NTDB id 295 STER RS06915 WP 011226304.1	MTENKNVILSARDIVVEFDVRDRVLTAIRGVSLDLVEGEVLALVGESGSGKSVLTKTFTGMLEENGRVASGSIDYRGKD LTKFKS	85
NTDB id 34410 SDEG RS09375 WP 012767556.1	..MTNETILSVKNLHVDFKTYAGDVKAIRDISFLLKKGETLAIVGESGSGKSVTTRTLMGLENAKNAN.LSGEIDFKGKKLNALK.	81
NTDB id 361 SMU RS01310 HP 002262737.1	..MSKEKLQLQMNLHVNHTHYAGEVKAIRDVSFYLEKGETLAIVGESGSGKSVTTRTLMLGLSAKNAE.IFGDI EFKGHNLNDLK.	81
consensus	*****!! *****! *! ****!* ** !!** *!* !!!!!!!!*!****!!*****!!****!	

[illegible]

NTDB id 478	HSISS4 RS06985	WP 021143811.1	AIALACRPDVLICDEPTTALDVTIQAQIIDLLKSLKEEYGFSVIFITHDLGVVASIADKVVAMYAGEIIIEYATVEEIFYEPCHPY	255
NTDB id 327	STU RS16115	WP 011226304.1	AIALACRPDVLICDEPTTALDVTIQAQIIDLLKSLKEEYGFSVIFITHDLGVVASIADKVVAMYAGEIIIEYATVEEIFYEPCHPY	255
NTDB id 295	STER RS06915	WP 011226304.1	AIALACRPDVLICDEPTTALDVTIQAQIIDLLKSLKEEYGFSVIFITHDLGVVASIADKVVAMYAGEIIIEYATVEEIFYEPCHPY	255
NTDB id 34410	SDEG RS09375	WP 012767556.1	AIALAANPETLIADDEPTTALDVTIQAQIILMKETIQQTSSIFITHDLGVVAGMADRVVAMYAGKIVEYGTVDDEVFYNPQHPY	251
NTDB id 361	SMU RS01310	WP 002262737.1	AIALATNPETLIADDEPTTALDVTIQAQIILMKETIQKNTDSIFITHDLGVVAGMADRVVAMYAGKIVEYGTVDDEVFYNPQHPY	251
consensus			!!!!!!*!*!*!*!!!!!!*!*!*****!*!!!!!!*!*!*!*!*!*!*!!!!!!	

NTDB id 478	HSISS4 RS06985 WP 021143811.1	TWSLLSSLPQLADDKGE	LFSIPGTPPSLYTPVVGDAFALRSDYA	MQIDFE EKAPQFQVSDTHWAKTWL LHEDAPKV	E KPAVIQNL	340
NTDB id 327	STU RS16115 WP 011226304.1	TWSLLSSLPQLADDN	GKLFSIPGTPPSLYTPVVGDAFALRSDYAL	QIDFE EKAPQFQVSDTHWAKTWL LHEDAPKV	D KPAVIQNL	340
NTDB id 295	STER RS06915 WP 011226304.1	TWSLLSSLPQLADDN	GKLFSIPGTPPSLYTPVVGDAFALRSDYAL	QIDFE EKAPQFQVSDTHWAKTWL LHEDAPKV	D KPAVIQNL	340
NTDB id 34410	SDEG RS09375 WP 012767556.1	TWG LLNSMPTTDTAS	GSLESI PGTPPD LNPKGDAFAARNEFALD	IDHVEAPP MFQVSDTHY AATWL LDERAPKV TP	PVPVQIKR	336
NTDB id 361	SMU RS01310 WP 002262737.1	TWG LLNSMPTTNTAS	GSLSI PGTPPD LNPQGDAFAARNEFALD	IDDLKEEPPFFK VSDSHY AATWL LD	DRAPKITPPERILQR	336
consensus		!! * ! * ! * ! *	* ! * ! * ! * ! *	* ! * ! * ! * ! *	* ! * ! * ! * ! *	

NTDB id 478 HSISS4 RS06985 WP 021143811.1	HEKIRANMGMFAHLGDEEEGNA	361
NTDB id 327 STU RS16115 WP 011226304.1	HEKILANMGMFAHLGDEEEGNA	361
NTDB id 295 STER RS06915 WP 011226304.1	HEKILANMGMFAHLGDEEEGNA	361
NTDB id 34410 SDEG RS09375 WP 012767556.1	WAKWKQKREGKGLNE.....	350
NTDB id 361 SMU RS01310 WP 002262737.1	WEKWKSLQGEKHND.....	350
consensus	***!*****	

 non conserved
 similar
 $\geq 50\%$ conserved