```
logo
NTDB id 478 HSISS4 RS06985 WP 021143811.1      MTENKNVILSARDIVVEFDVRDRVLTAIRGVSLDLVEGEVLALVGESGSGKSVLTKTFTGMLEENGRVASGSIDYRGQDL   80
NTDB id 327 STU RS16115 WP 011226304.1         MTENKNVILSARDIVVEFDVRDRVLTAIRGVSLDLVEGEVLALVGESGSGKSVLTKTFTGMLEENGRVASGSIDYRGKDL   80
NTDB id 295 STER RS06915 WP 011226304.1        MTENKNVILSARDIVVEFDVRDRVLTAIRGVSLDLVEGEVLALVGESGSGKSVLTKTFTGMLEENGRVASGSIDYRGKDL   80
NTDB id 1146134 BQ8897 RS01355 WP 000410289.1  ..MEKETILSVNNLHVDFHTYAGEVKAIRDVNFELKKGETLAIVGESGSGKSVTTRTLIGLNAKNSE.ISGNVQFKGRNL   77
NTDB id 361 SMU RS01310 WP 002262737.1         ..MSKEKILQVNNLHVNFHTYAGEVKAIRDVSFYLEKGETLAIVGESGSGKSVTTRTLMGLSAKNAE.IFGDIEFKGHNL   77
consensus                                      ****!**!!******!*!********!!!*!***!**!!*!!*!!!!!!!!!!*!*!**!****!*****!*****!**!

logo
NTDB id 478 HSISS4 RS06985 WP 021143811.1      TKLKSHQDWAHIRGAKIATIFQDPMTSLDPIKTIGSQIVEVIVKHQGKSAKEAKKMAIDYMDKVGIPDAEKRFNEYPFQY  160
NTDB id 327 STU RS16115 WP 011226304.1         TKFKSHQDWAAIRGAKIATIFQDPMTSLNPIKTIGSQIIEVIVKHQGKTAKEAKKMAIDYMDKVGIPDAEKRFNEYPFQY  160
NTDB id 295 STER RS06915 WP 011226304.1        TKFKSHQDWAAIRGAKIATIFQDPMTSLNPIKTIGSQIIEVIVKHQGKTAKEAKKMAIDYMDKVGIPDAEKRFNEYPFQY  160
NTDB id 1146134 BQ8897 RS01355 WP 000410289.1  VELS.EEEWTKVRGNEISMIFQDPMTSLDPTMKIGMQIAEPMMIHQKISKKDALKLALELMKDVGIPNAEEHINDYPHQW  156
NTDB id 361 SMU RS01310 WP 002262737.1         NDLK.EEDWVHIRGNDISMIFQDPMTSLDPTMRIGLQIAEPIIKHEKVTKKEALKRALDMMEKVGIPNAQEHINDYPHQW  156
consensus                                      ********!* *!!**!**!!!!!!!!!!*!***!!*!!*!****!*****!*!*!*!***!**!!!!*!****!*!!*!*

logo
NTDB id 478 HSISS4 RS06985 WP 021143811.1      SGGMRQRIVIAIALACRPDVLICDEPTTALDVTIQAQIIDLLKSLKEEYGFSVIFITHDLGVVASIADKVAVMYAGEIIE  240
NTDB id 327 STU RS16115 WP 011226304.1         SGGMRQRIVIAIALACRPDVLICDEPTTALDVTIQAQIIDLLKSLKEEYGFSVIFITHDLGVVASIADKVAVMYAGEIIE  240
NTDB id 295 STER RS06915 WP 011226304.1        SGGMRQRIVIAIALACRPDVLICDEPTTALDVTIQAQIIDLLKSLKEEYGFSVIFITHDLGVVASIADKVAVMYAGEIIE  240
NTDB id 1146134 BQ8897 RS01355 WP 000410289.1  SGGMRQRAVIAIALAADPEILIADEPTTALDVTIQAQILNLMKKIQAERDSSIVFITHDLGVVAGMADRVAVMYAGKIVE  236
NTDB id 361 SMU RS01310 WP 002262737.1         SGGMRQRAVIAIALATNPEILVADEPTTALDVTIQAQILHLMKEIQKNTDSSIIFITHDLGVVAGMADRVAVMYAGKIVE  236
consensus                                      !!!!!!!*!!!!!!!**!**!**!!!!!!!!!!!!!!!**!*!********!**!!!!!!!!!!!**!!*!!!!!!!*!*!

logo
NTDB id 478 HSISS4 RS06985 WP 021143811.1      YATVEEIFYEPCHPYTWSLLSSLPQLADDKGELFSIPGTPPSLYTPVVGDAFALRSDYAMQIDFEEKAPQFQVSDTHWAK  320
NTDB id 327 STU RS16115 WP 011226304.1         YATVEEIFYEPCHPYTWSLLSSLPQLADDNGKLFSIPGTPPSLYTPVVGDAFALRSDYALQIDFEEKAPQFQVSDTHWAK  320
NTDB id 295 STER RS06915 WP 011226304.1        YATVEEIFYEPCHPYTWSLLSSLPQLADDNGKLFSIPGTPPSLYTPVVGDAFALRSDYALQIDFEEKAPQFQVSDTHWAK  320
NTDB id 1146134 BQ8897 RS01355 WP 000410289.1  FGTVDEVFYNPQHPYTWGLLNSMPTTETESGSLESIPGTPPDLLNPPKGDAFAARNEFALDIDHEEEPPYFKVSETHFAA  316
NTDB id 361 SMU RS01310 WP 002262737.1         YGTVDEVFYNPQHPYTWGLLNSMPTTNTASGSLHSIPGTPPDLLQPPQGDAFAPRNEFALDIDLKEEPPFFKVSDSHYAA  316
consensus                                      **!!*!*!!*!*!!!!!*!!*!*!***** ! !*!!!!!!!*!**!**!!!!!*!***!**!!**!**!*!*!!**!*!*

logo
NTDB id 478 HSISS4 RS06985 WP 021143811.1      TWLLHEDAPKVEKPAVIQNLHEKIRANMGFAHLGDEEEGNA  361
NTDB id 327 STU RS16115 WP 011226304.1         TWLLHEDAPKVDKPAVIQNLHEKILANMGFAHLGDEEEGNA  361
NTDB id 295 STER RS06915 WP 011226304.1        TWLLHEDAPKVDKPAVIQNLHEKILANMGFAHLGDEEEGNA  361
NTDB id 1146134 BQ8897 RS01355 WP 000410289.1  TWLLDERSPKVLPPLPIQKRWEKWNEIEGRKAQ........  349
NTDB id 361 SMU RS01310 WP 002262737.1         TWLLDDRAPKITPPERILQRWEKWKSLQGEKHND.......  350
consensus                                      !!!!****!!*!**!**!****!!* ***!************
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X non conserved
X similar
X $\geq$50% conserved