```
logo
NTDB id 478 HSISS4 RS06985 WP 021143811.1   MTENKNVILSARDIVVEFDVRDRVLTAIRGVSLDLVEGEVLALVGESGSGKSVLTKTFTGMLEENGRVASGSIDYRGQDLTKLKS   85
NTDB id 327 STU RS16115 WP 011226304.1      MTENKNVILSARDIVVEFDVRDRVLTAIRGVSLDLVEGEVLALVGESGSGKSVLTKTFTGMLEENGRVASGSIDYRGKDLTKFKS   85
NTDB id 295 STER RS06915 WP 011226304.1     MTENKNVILSARDIVVEFDVRDRVLTAIRGVSLDLVEGEVLALVGESGSGKSVLTKTFTGMLEENGRVASGSIDYRGKDLTKFKS   85
NTDB id 84488 L6410 RS07700 WP 160864617.1 ..MNKETILQVENLNVTFHTYAGEVQAIRDVNFTLNKGETLAIVGESGSGKSVTTRTLMGLNAKNAH.LSGKIHFKDKDLSELS.   81
NTDB id 361 SMU RS01310 WP 002262737.1      ..MSKEKILQVNNLHVNFHTYAGEVKAIRDVSFYLEKGETLAIVGESGSGKSVTTRTLMGLSAKNAE.IFGDIEFKGHNLNDLK.   81
consensus                                   ****!**!!******!*!********!!!*!***!**!!*!!*!!!!!!!!!!*!*!**!****!*****!*!******!*****

logo
NTDB id 478 HSISS4 RS06985 WP 021143811.1   HQDWAHIRGAKIATIFQDPMTSLDPIKTIGSQIVEVIVKHQGKSAKEAKKMAIDYMDKVGIPDAEKRFNEYPFQYSGGMRQRIVI   170
NTDB id 327 STU RS16115 WP 011226304.1      HQDWAAIRGAKIATIFQDPMTSLNPIKTIGSQIIEVIVKHQGKTAKEAKKMAIDYMDKVGIPDAEKRFNEYPFQYSGGMRQRIVI   170
NTDB id 295 STER RS06915 WP 011226304.1     HQDWAAIRGAKIATIFQDPMTSLNPIKTIGSQIIEVIVKHQGKTAKEAKKMAIDYMDKVGIPDAEKRFNEYPFQYSGGMRQRIVI   170
NTDB id 84488 L6410 RS07700 WP 160864617.1 ESEWVKVRGNEIAMIFQDPMTSLDPTMTIGMQIAEPIILHEKVSKSEALKRALELMKKVGIPNAEEHIKDYPHQWSGGMRQRAVI   166
NTDB id 361 SMU RS01310 WP 002262737.1      EEDWVHIRGNDISMIFQDPMTSLDPTMRIGLQIAEPIIKHEKVTKKEALKRALDMMEKVGIPNAQEHINDYPHQWSGGMRQRAVI   166
consensus                                   ***!* *!!**!**!!!!!!!!!*!***!!*!!*!*!**!******!!*!*!***!*!!!!!*!******!!*!*!!!!!!!*!!

logo
NTDB id 478 HSISS4 RS06985 WP 021143811.1   AIALACRPDVLICDEPTTALDVTIQAQIIDLLKSLKEEYGFSVIFITHDLGVVASIADKVAVMYAGEIIEYATVEEIFYEPCHPY   255
NTDB id 327 STU RS16115 WP 011226304.1      AIALACRPDVLICDEPTTALDVTIQAQIIDLLKSLKEEYGFSVIFITHDLGVVASIADKVAVMYAGEIIEYATVEEIFYEPCHPY   255
NTDB id 295 STER RS06915 WP 011226304.1     AIALACRPDVLICDEPTTALDVTIQAQIIDLLKSLKEEYGFSVIFITHDLGVVASIADKVAVMYAGEIIEYATVEEIFYEPCHPY   255
NTDB id 84488 L6410 RS07700 WP 160864617.1 AIALAANPEILIADEPTTALDVTIQAQILNLMKEIQSQTQSSIIFITHDLGVVAGMADRVAVMYAGKIVEVGTVEEVFYNPQHPY   251
NTDB id 361 SMU RS01310 WP 002262737.1      AIALATNPEILVADEPTTALDVTIQAQILHLMKEIQKNTDSSIIFITHDLGVVAGMADRVAVMYAGKIVEYGTVDEVFYNPQHPY   251
consensus                                   !!!!!**!**!**!!!!!!!!!!!!!!!!**!*!********!*!!!!!!!!!!!!**!!*!!!!!!!*!*!**!!*!*!!*!*!!!

logo
NTDB id 478 HSISS4 RS06985 WP 021143811.1   TWSLLSSLPQLADDKGELFSIPGTPPSLYTPVVGDAFALRSDYAMQIDFEEKAPQFQVSDTHWAKTWLLHEDAPKVEKPAVIQNL   340
NTDB id 327 STU RS16115 WP 011226304.1      TWSLLSSLPQLADDNGKLFSIPGTPPSLYTPVVGDAFALRSDYALQIDFEEKAPQFQVSDTHWAKTWLLHEDAPKVDKPAVIQNL   340
NTDB id 295 STER RS06915 WP 011226304.1     TWSLLSSLPQLADDNGKLFSIPGTPPSLYTPVVGDAFALRSDYALQIDFEEKAPQFQVSDTHWAKTWLLHEDAPKVDKPAVIQNL   340
NTDB id 84488 L6410 RS07700 WP 160864617.1 TWGLLNSMPTTETTSGSLESIPGTPPDLLNPPVGDAFAARNAYALDIDFEEQPPMFQISDSHYAATWLLDERAPEITPPLAILKR   336
NTDB id 361 SMU RS01310 WP 002262737.1      TWGLLNSMPTTNTASGSLHSIPGTPPDLLQPPQGDAFAPRNEFALDIDLKEEPPFFKVSDSHYAATWLLDDRAPKITPPERILQR   336
consensus                                   !!*!!*!*!***** ! !*!!!!!!!*!**!**!!!!!*!***!**!!**!**!*!**!!*!*!*!!!!***!!****!**!***

logo
NTDB id 478 HSISS4 RS06985 WP 021143811.1   HEKIRANMGFAHLGDEEEGNA   361
NTDB id 327 STU RS16115 WP 011226304.1      HEKILANMGFAHLGDEEEGNA   361
NTDB id 295 STER RS06915 WP 011226304.1     HEKILANMGFAHLGDEEEGNA   361
NTDB id 84488 L6410 RS07700 WP 160864617.1  WEKWNSKKEKQ.........   347
NTDB id 361 SMU RS01310 WP 002262737.1      WEKWKSLQGEKHND.......   350
consensus                                   *!!* ****************
```

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