```
logo
NTDB id 361 SMU RS01310 WP 002262737.1          ..MSKEKILQVNNLHVNFHTYAGEVKAIRDVSFYLEKGETLAIVGESGSGKSVTTRTLMGLSAKNAEI.FGDIEFKGHNL   77
NTDB id 1140217 DQM80 RS01310 WP 010921893.1    MTKENNVILTAKDVVVEFDVRDRVLTAIRNVSLELVEGEVLAFVGESGSGKSVLTKTFTGMLESNGRIANGSIVYRGQEL   80
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
consensus                                       *******!!******!*!********!!!*!!**!**!!*!!*!!!!!!!!!!*!*!**!****!*****!*!***!  *!

logo
NTDB id 361 SMU RS01310 WP 002262737.1          NDLK.EEDWVHIRGNDISMIFQDPMTSLDPTMRIGLQIAEPIIKHEKVTKKEALKRALDMMEKVGIPNAQEHINDYPHQW  156
NTDB id 1140217 DQM80 RS01310 WP 010921893.1    TDLKTNKEWAKIRGSKIATIFQDPMTSLSPIKTIGSQITEVIIKHQKVSHAKAKEMALDYMNKVGIPNAKKRFEDYPFEY  160
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
consensus                                       ***!****!* !!!**!**!!!!!!!!! !***!!*!!*!*!*!!*******!***!*!*!*!!!!!*!******!!***

logo
NTDB id 361 SMU RS01310 WP 002262737.1          SGGMRQRAVIAIALATNPEILVADEPTTALDVTIQAQILHLMKEIQKNTDSSIIFITHDLGVVAGMADRVAVMYAGKIVE  236
NTDB id 1140217 DQM80 RS01310 WP 010921893.1    SGGMRQRIVIAIALACRPDILICDEPTTALDVTIQAQIVELLKSLQREYHFTIIFITHDLGVVASIADKVAVMYAGEIVE  240
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
consensus                                       !!!!!!!*!!!!!!!**!**!**!!!!!!!!!!!!!!!!**!*!**********!!!!!!!!!!!**!!*!!!!!!!*!*!

logo
NTDB id 361 SMU RS01310 WP 002262737.1          YGTVDEVFYNPQHPYTWGLLNSMPTTNTASGSLHSIPGTPPDLLQPPQGDAFAPRNEFALDIDLKEEPPFFKVSDSHYAA  316
NTDB id 1140217 DQM80 RS01310 WP 010921893.1    FGTVEEIFYDPRHPYTWSLLSSLPQLADESGELYAIPGTPPSLYSPIIGDAFALRSEYAMVLDFEKAPPAINVSETHWAK  320
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
consensus                                       **!!*!*!!*!*!!!!!*!!*!*!***** ! !**!!!!!!!*!**!**!!!!!*!***!***!*****!***!!**!*!*

logo
NTDB id 361 SMU RS01310 WP 002262737.1          TWLLDDRAPKITPPERILQRWEKWKSLQGEKHND.......   350
NTDB id 1140217 DQM80 RS01310 WP 010921893.1    TWLLHPEAPKVQKPEVIQDLHQKILRKMSQQEEGNV.....   356
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
consensus                                       !!!!***!!!***!**!**!*****!******************
```

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