```
logo
NTDB id 361 SMU RS01310 WP 002262737.1        ..MSKEKILQVNNLHVNFHTYAGEVKAIRDVSFYLEKGETLAIVGESGSGKSVTTRTLMGLSAKNAEI.FGDIEFKGHNLNDLK.   81
NTDB id 418241 M594 RS01430 WP 173875775.1   MTKENNVILTARDIVVEFDVRDKVLTAIRGVSLDLIEGEVLALVGESGSGKSVLTKTFTGMLEDNGRIAQGSIDYRGQDLTALAS   85
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
consensus                                    *******!!******!*!********!!!*!!**!**!!*!!*!!!!!!!!!!!*!*!**!****!*****!*!****!  *!*****

logo
NTDB id 361 SMU RS01310 WP 002262737.1        EEDWVHIRGNDISMIFQDPMTSLDPTMRIGLQIAEPIIKHEKVTKKEALKRALDMMEKVGIPNAQEHINDYPHQWSGGMRQRAVI   166
NTDB id 418241 M594 RS01430 WP 173875775.1   NKEWEKIRGAKIATIFQDPMTSLDPINTIGSQITEVIVKHQGKTAKEAKEMAIDYMKKVGIPEAEKRFEEYPFQYSGGMRQRIVI   170
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
consensus                                    ***!* !!!**!**!!!!!!!!!*!***!!*!!*!*!*!!*****!!!***!*!*!!!!!*!******!!*!*!!!!!!!*!!

logo
NTDB id 361 SMU RS01310 WP 002262737.1        AIALATNPEILVADEPTTALDVTIQAQIIDLLKSLKEEYGFSVIFITHDLGVVAGMADRVAVMYAGKIVEYGTVDEVFYNPQHPY   251
NTDB id 418241 M594 RS01430 WP 173875775.1   AIALACRPDILICDEPTTALDVTIQAQIIDLLKTLQNEYHFTIIFITHDLGVVASIADKVAVMYAGEIVEYGTVEEVFYDPRHPY   255
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
consensus                                    !!!!!**!**!**!!!!!!!!!!!!!!!!**!*!**********!!!!!!!!!!!**!!*!!!!!!!*!*!!*!!*!*!!*!*!!!

logo
NTDB id 361 SMU RS01310 WP 002262737.1        TWGLLNSMPTTNTASGSLHSIPGTPPDLLQPPQGDAFAPRNEFALDIDLKEEPPFFKVSDSHYAATWLLDDRAPKITPPERILQR   336
NTDB id 418241 M594 RS01430 WP 173875775.1   TWSLLSSLPQLADDKGELYSIPGTPPSLYTELKGDAFALRSDYAMQIDFEQKAPKFPVSDTHWAKTWLLHENAPKVEKPGVIADL   340
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
consensus                                    !!*!!*!*!***** ! !*!!!!!!!*!*****!!!!!*!***!**!!*****!*!*!!!!*!*!*!!!!***!!!***!**!***

logo
NTDB id 361 SMU RS01310 WP 002262737.1        WEKWKSLQGEKHND.......   350
NTDB id 418241 M594 RS01430 WP 173875775.1   HDKIRDKMGFAHLED......   355
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
consensus                                    **!*****!**!*********
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X non conserved
X similar
X $\geq$ 50% conserved