```
logo
NTDB id 361 SMU RS01310 WP 002262737.1        ..MSKEKILQVNNLHVNFHTYAG.EVKAIRDVSFYLEKGETLAIVGESGSGKSVTTRTLMGLSAKNAEIFGDIEFKGHNL   77
NTDB id 293557 DLJ51 RS00805 WP 002999065.1  MTQDRKKLVQVKNVSLTFNRGKSNQVKAIDDVSFDIYEGEVFGLVGESGSGKTTIGRSILKLYDI...DGGDISFNGKSV   77
NTDB id 479 HSISS4 RS06980 WP 021143812.1    ...MPEKLVEVKDVEISFGEGSKK.FVAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDT...SNGEIIFDGKKI   73
NTDB id 296 STER RS06910 WP 011681415.1      ...MPEKLVEVKNVEISFGEGRKK.FVAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDT...SNGEIIFDGKKI   73
NTDB id 328 STU RS16110 WP 002951426.1       ...MPEKLVEVKDVEISFGEGRKK.FVAVHNANFFINKGETFSLVGESGSGKTTIGRAIIGLNDT...SNGEIIFDGKKI   73
consensus                                       ***!***!******!******* **!*****!****!!****!!!!!!!!****!****!***   **!*!*!*!***

logo
NTDB id 361 SMU RS01310 WP 002262737.1        NDLKEEDWVHIRGNDISMIFQDPMTSLDPTMRIGLQIAEPIIKHEKVTKKEALKR.ALDMMEKVGIPNAQEHINDYPHQW  156
NTDB id 293557 DLJ51 RS00805 WP 002999065.1  ASL.KGKGLHDFRKDAQMIFQDPQASLNGRMTIRDIIAEGLDIHHLTASKEERQRKVEELIELVGL..NKDHLSRYPHEF  154
NTDB id 479 HSISS4 RS06980 WP 021143812.1    NGHLSHSEKNDLIRRIQMIFQDPAASLNERATVDYILSEGLHNFHLYKDEEDRKAKIKKIIKEVGL..LEEHLTRYPHEF  151
NTDB id 296 STER RS06910 WP 011681415.1      NGYLSHSEKNDLIRRIQMIFQDPAASLNERATVDYILSEGLYNFHLYKDEEERKAKIKEIIKEVGL..LEEHLTRYPHEF  151
NTDB id 328 STU RS16110 WP 002951426.1       NGYLSHSEKNDLIRRIQMIFQDPAASLNERATVDYILSEGLYNFHLYKDEEERKAKIKEIIKEVGL..LEEHLTRYPHEF  151
consensus                                    ** **************!!!!!!**!!***********!** ********!************!!*  ***!***!!!**

logo
NTDB id 361 SMU RS01310 WP 002262737.1        SGGMRQRAVIAIALATNPEILVADEPTTALDVTIQAQILHLMKEIQKNTDSSIIFITHDLGVVAGMADRVAVMYAGKIVE  236
NTDB id 293557 DLJ51 RS00805 WP 002999065.1  SGGQRQRIGIARALAVNPKFIVADEPISALDVSIQAQVVNLMQKLQHDQGLTYLFIAHDLSMVKYISDRIGVMHWGKLLE  234
NTDB id 479 HSISS4 RS06980 WP 021143812.1    SGGQRQRIGIARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVE  231
NTDB id 296 STER RS06910 WP 011681415.1      SGGQRQRIGIARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVE  231
NTDB id 328 STU RS16110 WP 002951426.1       SGGQRQRIGIARSLVMQPDLVIADEPISALDVSVRAQVLNLLKKFQKELGLTYLFIAHDLSVVRFISDRIAVIYKGTIVE  231
consensus                                    !!!*!!!**!!**!***!****!!!!**!!!!***!!***!****!********!!*!!!**!****!!**!***!***!

logo
NTDB id 361 SMU RS01310 WP 002262737.1        YGTVDEVFYNPQHPYTWGLLNSMPTTNTASGSLHSIPGTPPDLLQPPQGDAFAPRNEFALDIDLKEEPPFFKVSDSHYAA  316
NTDB id 293557 DLJ51 RS00805 WP 002999065.1  VGPADEVYNNPIHPYTKSLLSAIPEPDPESERNRIP.....QVYDPSLEEDG.............QARIMHEITSGHFV.  295
NTDB id 479 HSISS4 RS06980 WP 021143812.1    VAETEELYNNPIHPYTKSLLSAVPIPDPILERKKVL.....KVYDPNQHDYSV............DKPEMVEVRPGHFV.  293
NTDB id 296 STER RS06910 WP 011681415.1      VAETEELYNNPIHPYTKSLLSAVPIPDPILERKKVL.....KVYDPNQHDYSV............DKPEMVEVRPGHFV.  293
NTDB id 328 STU RS16110 WP 002951426.1       VAETEELYNNPIHPYTKSLLSAVPIPDPILERKKVL.....KVYDPNQHDYSV............DKPEMVEVRPGHFV.  293
consensus                                    *****!***!!*!!!!**!!***!************     ****!*******            ************!**

logo
NTDB id 361 SMU RS01310 WP 002262737.1        TWLLDDRAPKITPPERILQRWEKWKSLQGEKHND  350
NTDB id 293557 DLJ51 RS00805 WP 002999065.1  .YATDQEAE.............NYKK........  307
NTDB id 479 HSISS4 RS06980 WP 021143812.1    .WGNKAEIE.............TYRKEQSK....  309
NTDB id 296 STER RS06910 WP 011681415.1      .WGNKTEIE.............TYRKEQSK....  309
NTDB id 328 STU RS16110 WP 002951426.1       .WGNKTEIE.............TYRKEQSK....  309
consensus                                     **** ***             ********
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X non conserved
X similar
X $\geq$ 50% conserved