```
logo
NTDB id 1022281 LZ906 RS06490 WP 250675196.1  MSNRKQNTPKMGGPMGGMRGTEKAKDFKGTMKNLFNYLNPYRMALLIVVIFAIGSSAFSIVGPKILGKATTEIFQGLVRK   80
NTDB id 370 SMU RS04260 WP 002263294.1        .......................MENKKKSLLSQMAPYLKGYKALFGLAVIFTIVSSTITVIGPDRLKEMTDTMTKGLA..   56
consensus                                     **********************     !  * ** *!! *!*    * !!! ! !!  ***!!  !   !  *  !! **

logo
NTDB id 1022281 LZ906 RS06490 WP 250675196.1  VSNQGNAGIDFDYIGRIILILLGLYVISAIFSFIQSFIVSGISQKVSYKLRKEISEKINRMPLKYFDKRTHGEVLSRVTN   160
NTDB id 370 SMU RS04260 WP 002263294.1        ......GKIDLDKIGEIALTLALLYFAGALVSYTASFIVSTLIQKFSQRLRNAIADKINKVPLKYFDSHSQGDTLSRVTN   130
consensus                                     ******* !! ! !! ! ! !  !!   !* !*  !!!!! * !! ! *!!  ! *!!!**!!!!!! ***!* !!!!!!

logo
NTDB id 1022281 LZ906 RS06490 WP 250675196.1  DIDTLSQNLNQIMTQIITSVTTVIGVLIMMLSISWQMTIVSLLILPISMIIIGFIVKNSQAHFKSQQKYLGNVNGQVEEV   240
NTDB id 370 SMU RS04260 WP 002263294.1        DVDLMTQSFNQSLVSMVAAIILLIGSIFMMIKTNGALAATAILSVFAGFVLSTVIMAKSQPLFKKQQANLADVSGYVEEV   210
consensus                                     !*! **!  !! *  **  *  *!! * !!*     *    *! **   **   !*  !!**!! !!  !* ! ! !!!!

logo
NTDB id 1022281 LZ906 RS06490 WP 250675196.1  YGGHNIVKAFNREDASIAEFNELNDKLYESAWKSQFLSGMMMPMMTFIGNLGYVLVSILGGYFTIKKTIEVGDILSFIQY   320
NTDB id 370 SMU RS04260 WP 002263294.1        YSGHNVVSSYNAIQQSKKQFENLNDQLFASMWKSQFFSGIMMPLMQFIGNFGYVMVCIVGATMAINGDITMGTIVAFMTY   290
consensus                                     ! !!!*!  *!    !   !  !!! !* ! !!!!! !!*!!!*! !!!! !!!*!*!*!*   !   ! *! !* !* !

logo
NTDB id 1022281 LZ906 RS06490 WP 250675196.1  VRSFNQPIAQTAQIANIMQSMAAAAERAFEFLDEDEEVQISDNPVSTKNIKGDVAFDHVNFGYSEDKIIINDFTTNIKAG   400
NTDB id 370 SMU RS04260 WP 002263294.1        VRIFTQPIAQIAQGITQLQSANAAMGRVFEFLDEEEIEDENHKVKQLEKVEGNVNFDNVFFGYSPDKTIIHDFSAHAKAG   370
consensus                                     !! ! !!!!! !!    *!!  !!  ! !!!!!!*!     * *     * ! ! !!*! !!!!*!! !!*!!* * !!!

logo
NTDB id 1022281 LZ906 RS06490 WP 250675196.1  QKVAIVGPTGAGKTTVVKLLMRFYDINKGAILIDGKNINDFNRADLRSLFGMVLQDTWLFNGSIMENIRYSKLDATDEEV   480
NTDB id 370 SMU RS04260 WP 002263294.1        QKIAIVGPTGAGKTTIVNLLMRFYEVDRGMISIDGVNIHDMTRKEVHDAFAMVLQDTWLFEGTVKENLIYNQKHITDEQV   450
consensus                                     !!*!!!!!!!!!!!!!*! !!!!!!** *! ! !!!  !!*!  ! ***  !*!!!!!!!!!  !** !!* !   * !!! !

logo
NTDB id 1022281 LZ906 RS06490 WP 250675196.1  IKASKAAHVHHFVKTLPAGYKMELNEEASNVSQGQKQLLTIARAILADPKILILDEATSSVDTRTEVLIQKAMGNLMEGR   560
NTDB id 370 SMU RS04260 WP 002263294.1        IAAAKAVGVHHFIKTLPKGYDTVLDD.SVTLSVGQKQLLTIARALLKDAPLLILDEATSSVDTRTEELIQRAMDHLMEGR   529
consensus                                     ! ! !! *!!!!*!!!! !!   ! **   *! !!!!!!!!!!!*! !***!!!!!!!!!!!!!!!! !!!*!! *!!!!!
```

```
logo

NTDB id 1022281 LZ906 RS06490 WP 250675196.1  TSFIIAHRLSTIKDADLILVMKDGDIIEQGSHQELLKDDGFYASLYNSQFEDCE.   614
NTDB id 370 SMU RS04260 WP 002263294.1        TSFVIAHRLSTIRNADLILVMRDGNIIEQGSHDQLMAENGFYADLYNSQFTEEVA   584
consensus                                     !!!*!!!!!!!!* !!!!!!!*!! !!!!!!!  !* * !!!! !!!!!! ** *
```

X non conserved

X similar

X ≥ 50% conserved