```
logo
NTDB id 254092 AUF16 RS11025 WP 016179536.1  MAEQKQNRPRGGGPGRGMSAPVEKAKDFKGTIKKLVSYLGAYKIAVFFVMIFAAASTIFNIWGPKILSKAITELFNGLIK   80
NTDB id 370 SMU RS04260 WP 002263294.1       ........................MENKKKSLLSQMAPYLKGYKALFGLAVIFTIVSSTITVIGPDRLKEMTDTMTKGL..   55
consensus                                    **********************     !  *  * *!! *!!       *!!   !*   * !!  !       *  !!**

logo
NTDB id 254092 AUF16 RS11025 WP 016179536.1  KYQGTGDINFDKIGGILLFMLGLYVVASLFGIIQGWIMSTISQKITYRMRKEISEKINRMPMNYFESRTTGEVLSRITND   160
NTDB id 370 SMU RS04260 WP 002263294.1       ....AGKIDLDKIGEIALTLALLYFAGALVSYTASFIVSTLIQKFSQRLRNAIADKINKVPLKYFDSHSQGDTLSRVTND   131
consensus                                    **** ! !  !!!! ! ! *  !!  * !      *!*!!* !! * !*!  ! *!!!**!* !!*!** !* !!!*!!!

logo
NTDB id 254092 AUF16 RS11025 WP 016179536.1  VDTLGQSLNQSLTQLITSTFTIIGVIVMMLSISVKMTGIAILIVPISLLLIMVVVKNSQKYFKTQQEYLGVINGKVEETI   240
NTDB id 370 SMU RS04260 WP 002263294.1       VDLMTQSFNQSLVSMVAAIILLIGSIFMMIKTNGALAATAILSVFAGFVLSTVIMAKSQPLFKKQQANLADVSGYVEEVY   211
consensus                                    !! * !! !!!!  **     *!! ! !!*     * * !!! !*   *!  !**  !!* !! !!  !* * ! !!!

logo
NTDB id 254092 AUF16 RS11025 WP 016179536.1  GGYTIVRLFNEEENSLKEFKEQNDILFKSAWKSQFLSGLMQPIMNFVGNLGYVGVAIAGGVMAYNGTITVGDIQAFIQYV   320
NTDB id 370 SMU RS04260 WP 002263294.1       SGHNVVSSYNAIQQSKKQFENLNDQLFASMWKSQFFSGIMMPLMQFIGNFGYVMVCIVGATMAINGDITMGTIVAFMTYV   291
consensus                                     !* *!  *!   *! ! !   !! !! ! !!!!! !!*! !*!*!*!! !!! !*! !* !! !! !!*! ! !!* !!

logo
NTDB id 254092 AUF16 RS11025 WP 016179536.1  RNLTQPIAQLAQVSNMLQSMAAAAERVFEFLAEDEEEQMAENPVQIDKAKGMVDFDHVQFGYTSDKIVIQDFISHVDPGQ   400
NTDB id 370 SMU RS04260 WP 002263294.1       RIFTQPIAQIAQGITQLQSANAAMGRVFEFLDEEEIEDENHKVKQLEKVEGNVNFDNVFFGYSPDKTIIHDFSAHAKAGQ   371
consensus                                    !  !!!!!!*!!    !!!  !!  !!!!!! !*! !   * * !**!  ! ! !!*! !!!**!! *!*!!* !  *!!

logo
NTDB id 254092 AUF16 RS11025 WP 016179536.1  TVAIVGPTGAGKTTMVKLLMRFYEVNSGAIKIDGHNIKDFNRADLRKNIGMVLQDTWLFKGTIMDNLRYGRLDATDEEVY   480
NTDB id 370 SMU RS04260 WP 002263294.1       KIAIVGPTGAGKTTIVNLLMRFYEVDRGMISIDGVNIHDMTRKEVHDAFAMVLQDTWLFEGTVKENLIYNQKHITDEQVI   451
consensus                                     *!!!!!!!!!!!!!*! !!!!!!*!  ! ! !!!*!!*!  ! ***   *!!!!!!!!! !!* *!! !   * !!! !

logo
NTDB id 254092 AUF16 RS11025 WP 016179536.1  AAAKAAHVDHFIKTLPGGYDMELNEESSNISQGQKQLLTIARALLADKPILILDEATSSVDTRTEGLIQEAMNNLMKGRT   560
NTDB id 370 SMU RS04260 WP 002263294.1       AAAKAVGVHHFIKTLPKGYDTVLDD.SVTLSVGQKQLLTIARALLKDAPLLILDEATSSVDTRTEELIQRAMDHLMEGRT   530
consensus                                    !!!!! *!*!!!!!!! !!!   ! **!  *! !!!!!!!!!!!*! ! !*!!!!!!!!!!!!!!! !!! !! *!! !!!
```

```
logo

NTDB id 254092 AUF16 RS11025 WP 016179536.1  SFVIAHRLSTIKDADKILYMQGGDIKEQGSHEELLAQNGLYAALYNSQFEELSE   614
NTDB id 370 SMU RS04260 WP 002263294.1       SFVIAHRLSTIRNADLILVMRDGNIIEQGSHDQLMAENGFYADLYNSQFTEEVA   584
consensus                                    !!!!!!!!!!!* !! !! !  ! ! !!!!!* !*! !! !! !!!!!! !
```

X non conserved

X similar

X $\geq$ 50% conserved