```
logo
NTDB id 245275 DRBB30 RS10840 WP 032738281.1  MPRGPMGRGGAVEKPQDFGKVMGKLVRFCRKYVPAIIIALVLGAAGTICQIIGPDKLKDMTNEITKGLPAVVHGKPVLNS   80
NTDB id 370 SMU RS04260 WP 002263294.1        .............MENKKKSLLSQMAPYLKGYKALFGLAVIFTIVSSTITVIGPDRLKEMTDTMTKGLAGK.........   58
consensus                                     ************* **    **  * **** ! *   *!**     * * *!!!!*!!*!!  *!!!!** *********

logo
NTDB id 245275 DRBB30 RS10840 WP 032738281.1  IDMGAVARIGWLLVVLYVGYALLSYIQSWMMATVTQRTAQELRESISKKINKLPLSYFDKVSYGDVLSRITNDVDAIGQT   160
NTDB id 370 SMU RS04260 WP 002263294.1        IDLDKIGEIALTLALLYFAGALVSYTASFIVSTLIQKFSQRLRNAIADKINKVPLKYFDSHSQGDTLSRVTNDVDLMTQS   138
consensus                                     !!*  ** !*  ! *!! * !!*!!  !*** !* !*  ! !!  !  !!!!*!! !!! *! !! !!!*!!!!! * !*

logo
NTDB id 245275 DRBB30 RS10840 WP 032738281.1  LGQSLGSLITSATLFVGALVMMFYNNWIMALCAIGSSIIGLIIMMVIMKASQKYFTRQQVALGDVNGHVEEMYAGHTIVK   240
NTDB id 370 SMU RS04260 WP 002263294.1        FNQSLVSMVAAIILLIGSIFMMIKTNGALAATAILSVFAGFVLSTVIMAKSQPLFKKQQANLADVSGYVEEVYSGHNVVS   218
consensus                                       !!! !**    ! *! * !!   !  *! *!! !   ! **  !!!  !!* ! *!!  !*!! !*!!!*! !! *!

logo
NTDB id 245275 DRBB30 RS10840 WP 032738281.1  AYNGEADSIRRFERYNADLYDSGWKSQFLSGLMMPLMNFVGNFGYVVVCVVGAALAMDGQIEFGVIVAFMMYIRLFTQPL   320
NTDB id 370 SMU RS04260 WP 002263294.1        SYNAIQQSKKQFENLNDQLFASMWKSQFFSGIMMPLMQFIGNFGYVMVCIVGATMAINGDITMGTIVAFMTYVRIFTQPI   298
consensus                                      !!*   ! * !!  !  !* ! !!!!! !!*!!!!!*!*!!!!!!*!!*!!! *!* ! !  ! !!!!! !*!*!!!!*

logo
NTDB id 245275 DRBB30 RS10840 WP 032738281.1  SQFAQAFQNLQRCAAASERVFGFLEESEMADESGKQVLLGAQGHEVHGDVEFSHVRFEYEAGKPIINDFSASVSSGQKVA   400
NTDB id 370 SMU RS04260 WP 002263294.1        AQIAQGITQLQSANAAMGRVFEFLDEEEIEDENHKVK....QLEKVEGNVNFDNVFFGYSPDKTIIHDFSAHAKAGQKIA   374
consensus                                      ! !!*  *!! * !!  !!! !!*! !* !! *!  ****! * !*! ! ! *! ! ! * !*!!*!!!!*   !!!*!

logo
NTDB id 245275 DRBB30 RS10840 WP 032738281.1  IVGPTGAGKTTMVNLLMRFYEIAGGSIAIDGVDTKSVPRWNVHDQFSMVLQDTWIFNDTVRENIAYSKPGVTDEQIISAC   480
NTDB id 370 SMU RS04260 WP 002263294.1        IVGPTGAGKTTIVNLLMRFYEVDRGMISIDGVNIHDMTRKEVHDAFAMVLQDTWLFEGTVKENLIYNQKHITDEQVIAAA   454
consensus                                     !!!!!!!!!!!*!!!!!!!!!*  ! ! !!!!  * **!  !!! ! !!!!!!!*!  !!*!!* !  ***!!!!*! !*

logo
NTDB id 245275 DRBB30 RS10840 WP 032738281.1  KAVGLHHYIMSLPNGYDTVLDENSSLSAGQKQLLTIARAMVQDAPILILDEATSSVDTRTEELIQKAMDALTVDRTSFVI   560
NTDB id 370 SMU RS04260 WP 002263294.1        KAVGVHHFIKTLPKGYDTVLDDSVTLSVGQKQLLTIARALLKDAPLLILDEATSSVDTRTEELIQRAMDHLMEGRTSFVI   534
consensus                                     !!!!*!!*! *!! !!!!!!!*  *!! !!!!!!!!!!!** !!!*!!!!!!!!!!!!!!!!!!!!*!!!*!   !!!!!!
```

```
logo
                                                  AHRLSTIRNADMILVWRHGNYIERGTHEQLMAENGFYADLYNSQFTLEVA
                                                  AHRLSTIRDADMILVWNDGDYIEQGSHDELLAAGGFYADLYNSQFAEAGA

NTDB id 245275 DRBB30 RS10840 WP 032738281.1      AHRLSTIRDADMILVMNHGDVIERGTHEELLAAGGFYADLYNSQFALAG.   609
NTDB id 370 SMU RS04260 WP 002263294.1            AHRLSTIRNADLILVMRDGNIIEQGSHDQLMAENGFYADLYNSQFTEEVA   584
consensus                                         !!!!!!!! !!*!!!! *! *!! !*!* !*!  !!!!!!!!!!!     *
```

X non conserved

X similar

X $\geq$ 50% conserved