```
logo
NTDB id 64047 X809 RS12260 WP 023988615.1  MDKNEHTVDSQQMKMNQGGPMGKGPAGGKGAGEKANNFKKTISQLVSYSKAYVPMIVLAMVLALVGSTLNVIGPDKLSDIANLIQ   85
NTDB id 370 SMU RS04260 WP 002263294.1     ................................MENKKKSLLSQMAPYLKGYKALFGLAVIFTIVSSTITVIGPDRLKEMTDTMT   52
consensus                                  ********************************  !  !  *!!* *! !*! **  !!**  *! !!* !!!!!*! **   *

logo
NTDB id 64047 X809 RS12260 WP 023988615.1  EGIVTGIDVSAVQKIVLVLALLYGFGLIFNYFQGFITATVSQRLIKKMRTELSRKIDHMPLKYFDSTSYGNVLSRVTNDVDTIGQ   170
NTDB id 370 SMU RS04260 WP 002263294.1     KGLAGKIDLDKIGEIALTLALLYFAGALVSYTASFIVSTLIQKFSQRLRNAIADKINKVPLKYFDSHSQGDTLSRVTNDVDLMTQ   137
consensus                                   !*   !!*  *  ! ! !!!!!  ! *  !   !!  !* !* * **!  *  !! **!!!!!!!*! !  !!!!!!!!! * !

logo
NTDB id 64047 X809 RS12260 WP 023988615.1  TLNNSLGTLVGALATFVGALIMMLYTNWIMTITGIVATLIGFCLMSVIMKHSQKYFVAQQAELGQINGHIEETYAGHNVVKVYNG   255
NTDB id 370 SMU RS04260 WP 002263294.1     SFNQSLVSMVAAIILLIGSIFMMIKTNGALAATAILSVFAGFVLSTVIMAKSQPLFKKQQANLADVSGYVEEVYSGHNVVSSYNA   222
consensus                                  * !*!! **!*!*   *! * !!* !!  *  !*!*    !!*! *!!! *!!* !  !!! !* * !**!! ! !!!!!  !!*

logo
NTDB id 64047 X809 RS12260 WP 023988615.1  EQAAKEVFHGINSRLYTNAWKSQFMSGLMMPVMMFIGNFGYVAVCVVGALLVNQQTITIGTIVAFMVYIRLFTQPLSQLAQAATN   340
NTDB id 370 SMU RS04260 WP 002263294.1     IQQSKKQFENLNDQLFASMWKSQFFSGIMMPLMQFIGNFGYVMVCIVGATMAINGDITMGTIVAFMTYVRIFTQPIAQIAQGITQ   307
consensus                                   !  !  !* *!  !*   !!!!! !!*!!!*! !!!!!!!! !!*!!! *  *  !!*!!!!!! !*!*!!!!* !*!!* !*

logo
NTDB id 64047 X809 RS12260 WP 023988615.1  LQSAAAAASERVFEFLGEEELADERHKTIKMDTAKGDVEFKHVRFGYNTDRMIIKDFSMKAEAGQKIAIVGPTGAGKTTLVNLLMR   425
NTDB id 370 SMU RS04260 WP 002263294.1     LQSANAAMGRVFEFLDEEEIEDENHKVKQLEKVEGNVNFDNVFFGYSPDKTIIHDFSAHAKAGQKIAIVGPTGAGKTTIVNLLMR   392
consensus                                  !!!! !!  !!!!!! !!!* !! !!   **   ! ! ! *! !!! *!* !!*!!! *! !!!!!!!!!!!!!!!!!*!!!!!!

logo
NTDB id 64047 X809 RS12260 WP 023988615.1  FYELNDGEIYIDGTPISQLTRENIHELFCMVLQDTWLFEGTIRDNIVFSKDHVTDEQVEAASRAVGLHSFIKTLPQGYDTVLDDK   510
NTDB id 370 SMU RS04260 WP 002263294.1     FYEVDRGMISIDGVNIHDMTRKEVHDAFAMVLQDTWLFEGTVKENLIYNQKHITDEQVIAAAKAVGVHHFIKTLPKGYDTVLDDS   477
consensus                                  !!!*  ! ! !!! *!* *!!  *!* !*!!!!!!!!!!!!***!***   !*!!!!! !! *!!!*!*!!!!!! !!!!!!!!

logo
NTDB id 64047 X809 RS12260 WP 023988615.1  ANLSAGQKQLITIARAMIEDSPMLILDEATSSVDTRTELLIQQAMDQLTVGKTSFVIAHRLSTIKNADLILVMKDGDIIEMGNHE   595
NTDB id 370 SMU RS04260 WP 002263294.1     VTLSVGQKQLLTIARALLKDAPLLILDEATSSVDTRTEELIQRAMDHLMEGRTSFVIAHRLSTIRNADLILVMRDGNIIEQGSHD   562
consensus                                   !! !!!!!*!!!!!** ! !*!!!!!!!!!!!!!!! !!! !!!*!  !*!!!!!!!!!!!!!*!!!!!!!!*!! !!! ! !*
```

```
logo                                          QLMAKNGFYADLYNSQFTHEV
                                              ELLAEGGFYADLYNSQFEEASA
NTDB id 64047 X809 RS12260 WP 023988615.1     ELLAKGGFYADLYNSQFEHAS.   616
NTDB id 370 SMU RS04260 WP 002263294.1        QLMAENGFYADLYNSQFTEEVA   584
consensus                                      !*!  !!!!!!!!!!! *  *
```

X non conserved

X similar

X $\geq$50% conserved