```
logo

NTDB id 103909 AACH31 RS04560 WP 161832058.1  MRKMEKKE.SSFLKLLKYCKKYTVQIIIALIGSVIGTLLTLFGPDKLSEMTDLMTNGLMGELDLEGITSIGITLVMIYAV   79
NTDB id 370 SMU RS04260 WP 002263294.1        ...MENKKKSLLSQMAPYLKGYKALFGLAVIFTIVSSTITVIGPDRLKEMTDTMTKGLAGKIDLDKIGEIALTLALLYFA   77
consensus                                     ***!! ! *!    * *!*! !     *!*! *** * *!* !!!*! !!!! !! !! ! *!!* !  !**!! **!

logo

NTDB id 103909 AACH31 RS04560 WP 161832058.1  SFILSLTQGLIMTQVIQRVSKQLRTSLTVKINRLPMSYYNQATTGDILSRVTNDVDTLGQSLNQSLTTLVSATCLFIGSI  159
NTDB id 370 SMU RS04260 WP 002263294.1        GALVSYTASFIVSTLIQKFSQRLRNAIADKINKVPLKYFDSHSQGDTLSRVTNDVDLMTQSFNQSLVSMVAAITLLIGSI  157
consensus                                       **! !   !** *!!* !  !!  *  !!!**!* !*  ** !! !!!!!!!!! * !! !!!! **! ! *! !!!!

logo

NTDB id 103909 AACH31 RS04560 WP 161832058.1  VMMLKTNVVLTLTAILATIIGFIMMMFIMKRSQVFFLKQQEGLGKLNGYIEEAYSGQMIIKAYNSEEKMISTFQTINEEL  239
NTDB id 370 SMU RS04260 WP 002263294.1        FMMIKTNGALAATAILSVFAGFVLSTVIMAKSQPLFKKQQANLADVSGYVEEVYSGHNVVSSYNAIQQSKKQFENLNDQL  237
consensus                                      !!*!!!  !  !!!!    !!**   !! *!!* ! !!!  !* * !!*!! !!!* **  !!        !  *!* !

logo

NTDB id 103909 AACH31 RS04560 WP 161832058.1  TSNTYRAQILAGFMMPLMTFIGNLGYVAVCIVGALLTMNGTISFGVIVAFIMYVRYFTQPLAQMAQAAQSLQSASAAGHR  319
NTDB id 370 SMU RS04260 WP 002263294.1        FASMWKSQFFSGIMMPLMQFIGNFGYVMVCIVGATMAINGDITMGTIVAFMTYVRIFTQPIAQIAQGITQLQSANAAMGR  317
consensus                                        ** !   ! !!!!! !!!! !!! !!!!!! * *!! !* ! !!!!* !!! !!!!*!!*!!*   !!!! !! *!

logo

NTDB id 103909 AACH31 RS04560 WP 161832058.1  VFEFLEAWEMEDESKKAGYLEEVTGKVEFDHVSFAYEGSDRPVIKDFSMTAHPGQKVAIVGPTGAGKTTLVNLLMRFNEI  399
NTDB id 370 SMU RS04260 WP 002263294.1        VFEFLDEEEIEDENHKVKQLEKVEGNVNFDNVFFGYS.PDKTIIHDFSAHAKAGQKIAIVGPTGAGKTTIVNLLMRFYEV  396
consensus                                     !!!!!*  !*!!! *!   !! ! ! ! !!*! !*! **!***!*!!! *!**!!!*!!!!!!!!!!!!*!!!!!!! !*

logo

NTDB id 103909 AACH31 RS04560 WP 161832058.1  NRGDIRIDDVSIHDMTRENIHDLFCMVLQDTWLFEGTYKENLIYNQTHLTDEDVERACEAVGLHHFIQTLPEGYETRLND  479
NTDB id 370 SMU RS04260 WP 002263294.1        DRGMISIDGVNIHDMTRKEVHDAFAMVLQDTWLFEGTVKENLIYNQKHITDEQVIAAAKAVGVHHFIKTLPKGYDTVLDD  476
consensus                                      !! ! !! ! !!!!!!   *!! !*!!!!!!!!!!!!*!!!!!!!! !*!!! !  !* !!!*!!!! !!! !!*! ! !

logo

NTDB id 103909 AACH31 RS04560 WP 161832058.1  QLNLSAGQKQQLTIARAMLKNSPMLILDEATSSVDTRTELIIQQAMDQLMHGRTSFIIAHRLSTIKNADVILVLKDGDIL  559
NTDB id 370 SMU RS04260 WP 002263294.1        SVTLSVGQKQLLTIARALLKDAPLLILDEATSSVDTRTEELIQRAMDHLMEGRTSFVIAHRLSTIRNADLILVMRDGNII  556
consensus                                      * !! !!!! !!!!!!*!!   !*!!!!!!!!!!!!!!!! *!! !!!*!!*!!!!!*!!!!!!!!*!!!*!!!**!! !*
```

```
logo
```

```
NTDB id 103909 AACH31 RS04560 WP 161832058.1  ESGNHEQLLAKGGFYAELYNSQFEQV..   585
NTDB id 370 SMU RS04260 WP 002263294.1        EQGSHDQLMAENGFYADLYNSQFTEEVA   584
consensus                                     ! ! !*!!*!  !!!!*!!!!!!    **
```

X non conserved

X similar

X ≥ 50% conserved