logo

```
NTDB id 1120441 EL084 RS04600 WP 126440296.1  MENKKKASFYSRMKPYIKGFQFPFILAVIGAIISATITVIGPDKLKEITNTIMDGLTPTKMGTIPGVDLDKVGEIAMTLA  80
NTDB id 370 SMU RS04260 WP 002263294.1        .MENKKKSLLSQMAPYLKGYKALFGLAVIFTIVSSTITVIGPDRLKEMTDTMTKGLA........GKIDLDKIGEIALTLA  72
consensus                                     *   !! !  ! ! !!*!!*  *! !!!!  !*! !!!!!!!!*!!!*! !*  !! ******** *!!!!*!!!!*!!!
```

logo

```
NTDB id 1120441 EL084 RS04600 WP 126440296.1  VLYGVSAVVGYIQNFTVATIVQRFSQRLRAAIQVKIDRVPLNYFDSHSQGDTLSRVTNDVDLLAQSLNQSLGTLVTSVVL  160
NTDB id 370 SMU RS04260 WP 002263294.1        LLYFAGALVSYTASFIVSTLIQKFSQRLRNAIADKINKVPLKYFDSHSQGDTLSRVTNDVDLMTQSFNQSLVSMVAAIIL  152
consensus                                     *!!   !*! !   ! ! !**!*!!!!!! !!  !! *!!! !!!!!!!!!!!!!!!!!!!!* !! !!!! **!  **!
```

logo

```
NTDB id 1120441 EL084 RS04600 WP 126440296.1  LFGSIFMMFHSNVSMALTAIGSVFIGFLLVIVIMGSSQPLFKRQQNNLAAVNGYVEEIYSGHNVVTSYNASEETSEAFKK  240
NTDB id 370 SMU RS04260 WP 002263294.1        LIGSIFMMIKTNGALAATAILSVFAGFVLSTVIMAKSQPLFKKQQANLADVSGYVEEVYSGHNVVSSYNAIQQSKKQFEN  232
consensus                                     ! !!!!!! **!  *! !!! !!! !!*!  !!!* !!!!!!*!! !!! ! !!!!!*!!!!!!!*!!!!   *   !
```

logo

```
NTDB id 1120441 EL084 RS04600 WP 126440296.1  LNTNLYKSMWQSQFLSGIMMPLMIFIGNFGYVMVCVVGAVKVINGDITMGDVVAFMTYVRIFSQPLSQIAQAFTQMQSAT  320
NTDB id 370 SMU RS04260 WP 002263294.1        LNDQLFASMWKSQFFSGIMMPLMQFIGNFGYVMVCIVGATMAINGDITMGTIVAFMTYVRIFTQPIAQIAQGITQLQSAN  312
consensus                                     !! *!* !!! !!! !!!!!!!! !!!!!!!!!!!*!!!   !!!!!!!! *!!!!!!!!!!*!!* !!!!* !!*!!!
```

logo

```
NTDB id 1120441 EL084 RS04600 WP 126440296.1  AAMSRVFEFLEEEEMEDDSHKERQLTAVKGEVAFDNVFFGYSKDKTIIHDFSAVAKPGQKVAIVGPTGAGKTTIVNLLMK  400
NTDB id 370 SMU RS04260 WP 002263294.1        AAMGRVFEFLDEEEIEDENHKVKQLEKVEGNVNFDNVFFGYSPDKTIIHDFSAHAKAGQKIAIVGPTGAGKTTIVNLLMR  392
consensus                                     !!! !!!!!!*!!!*!!* !! *!!  ! ! ! !!!!!!!!!*!!!!!!!!!!*!!*!!!*!!!!!!!!!!!!!!!!!!*
```

logo

```
NTDB id 1120441 EL084 RS04600 WP 126440296.1  FYEIDKGQISIDGIDTRNMSREEVHDQFSMVLQDTWLFEGTIKENLIYNQENITDEQVVAAAKAVGVHHFIMTLPDGYDT  480
NTDB id 370 SMU RS04260 WP 002263294.1        FYEVDRGMISIDGVNIHDMTRKEVHDAFAMVLQDTWLFEGTVKENLIYNQKHITDEQVIAAAKAVGVHHFIKTLPKGYDT  472
consensus                                     !!!*!*! !!!!!*  * !*! !!!! ! !!!!!!!!!!!!*!!!!!!!! *!!!!!!*!!!!!!!!!!!! !!! !!!!
```

logo

```
NTDB id 1120441 EL084 RS04600 WP 126440296.1  YLDDSVTLSIGQKQLLTIARALLKDAPLLILDEATSSVDTRTEELIQKAMDKLMEGRTSFVIAHRLSTIKNADLILVMKD  560
NTDB id 370 SMU RS04260 WP 002263294.1        VLDDSVTLSVGQKQLLTIARALLKDAPLLILDEATSSVDTRTEELIQRAMDHLMEGRTSFVIAHRLSTIRNADLILVMRD  552
consensus                                      !!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!*!!!!!!!!!!!!!!!!!*!!!!!!!!*!
```

```
logo

NTDB id 1120441 EL084 RS04600 WP 126440296.1  GNIIEQGNHDELMTEGGFYADLYNSQFEVA..   590
NTDB id 370 SMU RS04260 WP 002263294.1        GNIIEQGSHDQLMAENGFYADLYNSQFTEEVA   584
consensus                                     !!!!!!! !! !! ! !!!!!!!!!!!   **
```

X non conserved
X similar
X ≥ 50% conserved