logo

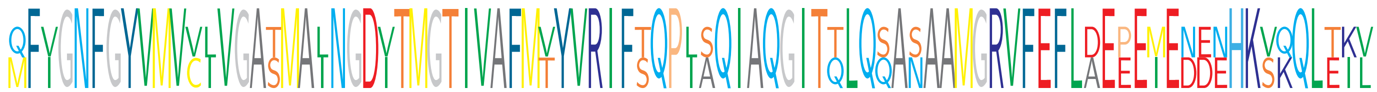
```
NTDB id 61777 SAIN RS07425 WP 021002021.1  MENKKSSLFSQVKPYLKGFQLPLLIAFVGAAVSSIITVYGPDKLKEITNLITEGMRSQIDLKSISNIALFLAILYAAGALLNYVQ   85
NTDB id 370 SMU RS04260 WP 002263294.1     MENKKKSLLSQMAPYLKGYKALFGLAVIFTIVSSTITVIGPDRLKEMTDTMTKGLAGKIDLDKIGEIALTLALLYFAGALVSYTA   85
consensus                                  !!!!! !! !!* !!!!!*  *  *! *   !!! !!! !!!*!!!*!  *! !*   !!!  !  !!! !!*!! !!!!* !
```

logo

```
NTDB id 61777 SAIN RS07425 WP 021002021.1  SFIISSVIQHFSKRLRTAIAEKINKLPLCYFDSHSQGDTLSRVTNDVDTVGQSLNQSLGTVISSSLLLVAVLFMMFYNNVVLSFV  170
NTDB id 370 SMU RS04260 WP 002263294.1     SFIVSTLIQKFSQRLRNAIADKINKVPLKYFDSHSQGDTLSRVTNDVDLMTQSFNQSLVSMVAAIILLIGSIFMMIKTNGALAAT  170
consensus                                  !!!*!**!!*!! !!! !!!*!!!!*!!*!!!!!!!!!!!!!!!!!!! * !! !!!! ***   *!!** *!!!   !  !
```

logo

```
NTDB id 61777 SAIN RS07425 WP 021002021.1  TIGSVLIGFAFVALIMGKSQRFFRAQQENLASVNGYVEEMYSGHNVIVSYNATDESKVAFQTLNTNLYNSMWKSQFISGIMMPLM  255
NTDB id 370 SMU RS04260 WP 002263294.1     AILSVFAGFVLSTVIMAKSQPLFKKQQANLADVSGYVEEVYSGHNVVSSYNAIQQSKKQFENLNDQLFASMWKSQFFSGIMMPLM  255
consensus                                   ! !!  !!    *!!*!!!* !* !! !!! ! !!!!!*!!!!!!* !!!!   !!  !  !! *!* !!!!!!! !!!!!!!!
```

logo


```
NTDB id 61777 SAIN RS07425 WP 021002021.1  MFVGNFGYVMVVLVGASMALNGDVTMGTIVAFMVYVRIFSQPLSQIAQGITTLQQASAAMGRVFEFLAEPEMENDEHKSQQLTIL  340
NTDB id 370 SMU RS04260 WP 002263294.1     QFIGNFGYVMVCIVGATMAINGDITMGTIVAFMTYVRIFTQPIAQIAQGITQLQSANAAMGRVFEFLDEEEIEDENHKVKQLEKV  340
consensus                                   !*!!!!!!!!**!!!*!!*!!!*!!!!!!!!! !!!!!*!!* !!!!!!! !! ! !!!!!!!!!! !*!*! * !!  !!  *
```

logo

```
NTDB id 61777 SAIN RS07425 WP 021002021.1  KGDVTFDNVFFGYNPDRTIIHDFSANAKAGQKIAIVGPTGAGKTTIVNLLMKFYEIDKGRITIDGVDTKRMKRSEVHDAFSMVLQ  425
NTDB id 370 SMU RS04260 WP 002263294.1     EGNVNFDNVFFGYSPDKTIIHDFSAHAKAGQKIAIVGPTGAGKTTIVNLLMRFYEVDRGMISIDGVNIHDMTRKEVHDAFAMVLQ  425
consensus                                   ! ! !!!!!!!! !!*!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!*!!!*!*! !*!!!!  * ! ! !!!!!! !!!!
```

logo

```
NTDB id 61777 SAIN RS07425 WP 021002021.1  DTWLFEGTIKENLIYNQKNISDEAVVAAAKAVGVHHFIKTLPKGYDTVLDDTVSLSVGQKQLLTIARALLKDAPLLILDEATSSV  510
NTDB id 370 SMU RS04260 WP 002263294.1     DTWLFEGTVKENLIYNQKHITDEQVIAAAKAVGVHHFIKTLPKGYDTVLDDSVTLSVGQKQLLTIARALLKDAPLLILDEATSSV  510
consensus                                  !!!!!!!!*!!!!!!!!!*!*!! !*!!!!!!!!!!!!!!!!!!!!!!!!!*!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 61777 SAIN RS07425 WP 021002021.1  DTRTEELIQKAMDKLMEGRTSFVIAHRLSTIRNADLILVMRDGNIIEQGNHEQLMEQNGFYADLYNSQFDEDAEYV  586
NTDB id 370 SMU RS04260 WP 002263294.1     DTRTEELIQRAMDHLMEGRTSFVIAHRLSTIRNADLILVMRDGNIIEQGSHDQLMAENGFYADLYNSQFTEEVA..  584
consensus                                  !!!!!!!!!*!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !*!!!  !!!!!!!!!!!! !*  **
```

X non conserved
X similar
X $\geq$50% conserved