logo

```
NTDB id 69040 ST01 RS01440 WP 096421643.1  MENKKMSFWKHSKPFLAGLQLPLLVAVVAAVCSSIITVYGPTKIKEITNLISDGLMTGIDLEAVSSIASFLVILYVLGAILNYTQ   85
NTDB id 370 SMU RS04260 WP 002263294.1     MENKKKSLLSQMAPYLKGYKALFGLAVIFTIVSSTITVIGPDRLKEMTDTMTKGLAGKIDLDKIGEIALTLALLYFAGALVSYTA   85
consensus                                  !!!!! !   *  !*! !   *  *!!*  **!! !!! !! **!!*!  ** !!   !!!* *  !!  ! *!!  !!** !!
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logo

```
NTDB id 69040 ST01 RS01440 WP 096421643.1  AYIFSTSIQHFSKRLRTAIAEKINRLPLGYFDRHSQGDTLSRVTNDVDTAAQSLNQSLGTVLSASFLLIAVLVTMFSMNWILALV   170
NTDB id 370 SMU RS04260 WP 002263294.1     SFIVSTLIQKFSQRLRNAIADKINKVPLKYFDSHSQGDTLSRVTNDVDLMTQSFNQSLVSMVAAIILLIGSIFMMIKTNGALAAT   170
consensus                                   *! !! !!*!! !!! !!!*!!!**!! !!! !!!!!!!!!!!!!!!   !! !!!! *** !  !!!* *  !   !  !!
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logo

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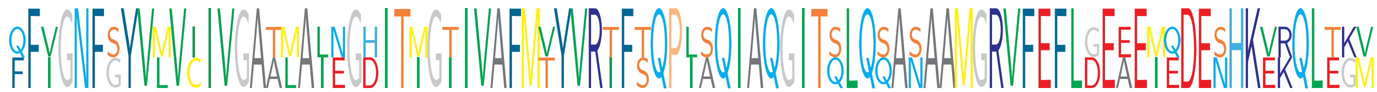
NTDB id 69040 ST01 RS01440 WP 096421643.1  TVVSTLVGFAAVSVIMAKSQGYFRAQQNNLAAVNGYVEEMYSGHNVVTSYNAVDTSKAKFAGLNQNLHDSIWKSQFISGIMMPAM   255
NTDB id 370 SMU RS04260 WP 002263294.1     AILSVFAGFVLSTVIMAKSQPLFKKQQANLADVSGYVEEVYSGHNVVSSYNAIQQSKKQFENLNDQLFASMWKSQFFSGIMMPLM   255
consensus                                   **!   !!   *!!!!!!!* !* !! !!! ! !!!!!*!!!!!!!*!!!!*  !!  !  !! *!* !*!!!!! !!!!!! !
```

logo



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NTDB id 69040 ST01 RS01440 WP 096421643.1  FFVGNFSYVLVIIVGAALALEGHITIGIIVAFMVYVRTFSQPLSQIAQGITSLQQASAAMGRVFEFLGEAEMQDESHKERQLTGM   340
NTDB id 370 SMU RS04260 WP 002263294.1     QFIGNFGYVMVCIVGATMAINGDITMGTIVAFMTYVRIFTQPIAQIAQGITQLQSANAAMGRVFEFLDEEEIEDENHKVKQLEKV   340
consensus                                   !*!!! !!*!*!!!! *!* !*!!*! !!!!! !!! !*!!* !!!!!!! !! ! !!!!!!!!!! ! !* !! !! *!!  *
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logo

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NTDB id 69040 ST01 RS01440 WP 096421643.1  RGEVVFDRVSFGYTPERTIIHDFSATAHAGQKVAIVGPTGAGKTTIVNLLMKFYEIDKGSIRIDGVDTKNMKRSEVHDAFSMVLQ   425
NTDB id 370 SMU RS04260 WP 002263294.1     EGNVNFDNVFFGYSPDKTIIHDFSAHAKAGQKIAIVGPTGAGKTTIVNLLMRFYEVDRGMISIDGVNIHDMTRKEVHDAFAMVLQ   425
consensus                                   ! ! !! ! !!!*!**!!!!!!!!*!*!!!!*!!!!!!!!!!!!!!!!!!*!!!*!*! ! !!!!  * ! ! !!!!!! !!!!
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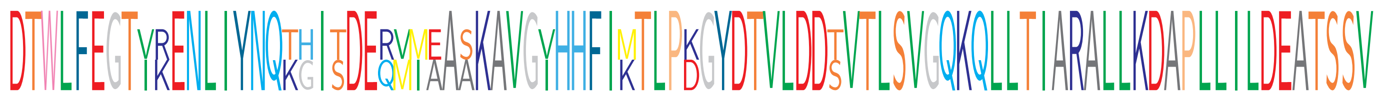
logo



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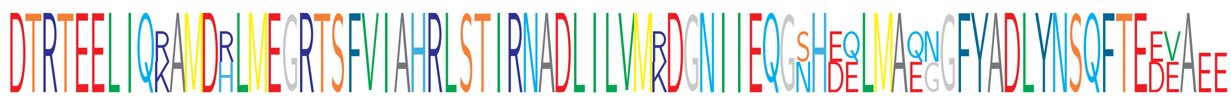
NTDB id 69040 ST01 RS01440 WP 096421643.1  DTWLFEGTIRENLIYNQTGISDERMMEASKAVGIHHFIMTLPDGYDTVLDDTVTLSVGQKQLLTIARALLKDAPLLILDEATSSV   510
NTDB id 370 SMU RS04260 WP 002263294.1     DTWLFEGTVKENLIYNQKHITDEQVIAAAKAVGVHHFIKTLPKGYDTVLDDSVTLSVGQKQLLTIARALLKDAPLLILDEATSSV   510
consensus                                  !!!!!!!!**!!!!!!! *!*!! ** ! !!!!*!!!! !!! !!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



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NTDB id 69040 ST01 RS01440 WP 096421643.1  DTRTEELIQKAMDRLMEGRTSFVIAHRLSTIRNADLILVMKDGNIIEQGNHEELMAQGGFYADLYNSQFTEDEAEE   586
NTDB id 370 SMU RS04260 WP 002263294.1     DTRTEELIQRAMDHLMEGRTSFVIAHRLSTIRNADLILVMRDGNIIEQGSHDQLMAENGFYADLYNSQFTEEVA..   584
consensus                                  !!!!!!!!!*!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!! !* !!!  !!!!!!!!!!!!!* !**
```

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