logo



```
NTDB id 99039 AVT04 RS02715 WP 011226912.1  MENKPKTSSYKRLKPYIKGFQVPFVLAIVGAIISAVITVIGPDKLKEITNLITDGITPTKMGVIPGIDLDKVGSIALTLAVLYAI  85
NTDB id 370 SMU RS04260 WP 002263294.1      MEN.KKKSLLSQMAPYLKGYKALFGLAVIFTIVSSTITVIGPDRLKEMTDTMTKGL.......AGKIDLDKIGEIALTLALLYFA  77
consensus                                   !!!**! !    * !!*!!*  *! !!**  !*!  !!!!!!!*!!!*!  *! !******** * !!!!!*! !!!!!!*!!
```

logo



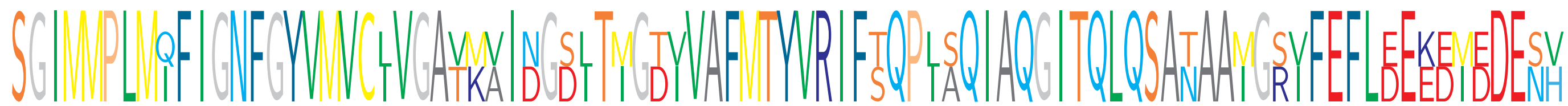
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NTDB id 99039 AVT04 RS02715 WP 011226912.1  SAIVGYLQSFTVVTITQRFSQRFRTAIQKKINTVPLNYFDSHSQGDILSRVTNDVDLLGQSLSQGLGTLITSSILLVAAIIMMFY  170
NTDB id 370 SMU RS04260 WP 002263294.1      GALVSYTASFIVSTLIQKFSQRLRNAIADKINKVPLKYFDSHSQGDTLSRVTNDVDLMTQSFNQSLVSMVAAIILLIGSIFMMIK  162
consensus                                    !*! !  !! ! !* !*!!!! ! !!  !!! !!! !!!!!! !!!!!!!!!!* !!  ! ! ***   !!!** ! !!
```

logo



```
NTDB id 99039 AVT04 RS02715 WP 011226912.1  SNVTMAFTAIGSVLIGFVLVAFIMGFSQPLFKRQQENLANINGYIEEIYTGQAVVTSYNASKESSQDFKGLNDKLYNSMWQSQFI  255
NTDB id 370 SMU RS04260 WP 002263294.1      TNGALAATAILSVFAGFVLSTVIMAKSQPLFKKQQANLADVSGYVEEVYSGHNVVSSYNAIQQSKKQFENLNDQLFASMWKSQFF  247
consensus                                   *!  *! !!! !!  !!!!   !!* !!!!!!*!! !!! * !!*!!*!*!* !!*!!!!   !   !  !!! !* !!! !!!
```

logo



```
NTDB id 99039 AVT04 RS02715 WP 011226912.1  SGIMMPLMIFIGNFGYVMVCLVGAVKVIDGSLTIGDVVAFMTYVRIFSQPLSQIAQGITQLQSATAAIGSIFEFLEEKDMDDESV  340
NTDB id 370 SMU RS04260 WP 002263294.1      SGIMMPLMQFIGNFGYVMVCIVGATMAINGDITMGTIVAFMTYVRIFTQPIAQIAQGITQLQSANAAMGRVFEFLDEEEIEDENH  332
consensus                                   !!!!!!!! !!!!!!!!!!!*!!!   ! ! *!*! *!!!!!!!*!!*!!!!!!!!!!!! !!*! *!!!!*! ***!! *
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logo



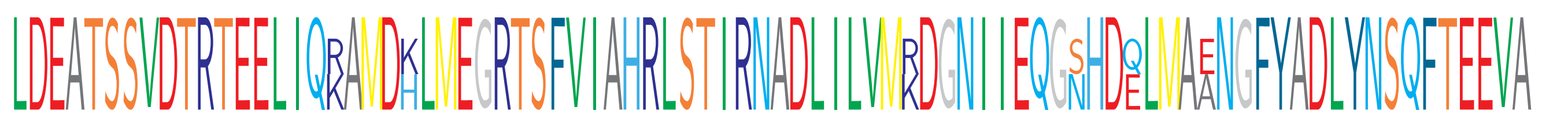
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NTDB id 99039 AVT04 RS02715 WP 011226912.1  KTAELTDTKGQVVFDHVSFGYTPEKTIIHDFSALAKPGQKIAIVGPTGAGKTTIVNLLMKFYNIDKGRITIDGVDTNDMKRETVH  425
NTDB id 370 SMU RS04260 WP 002263294.1      KVKQLEKVEGNVNFDNVFFGYSPDKTIIHDFSAHAKAGQKIAIVGPTGAGKTTIVNLLMRFYEVDRGMISIDGVNIHDMTRKEVH  417
consensus                                   !   !    !*! !!*! !!!*!*!!!!!!!!!*!!*!!!!!!!!!!!!!!!!!!!!!*!! *!*! !*!!!!  *!! !  !!
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logo

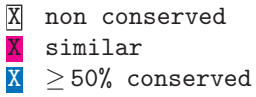


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NTDB id 99039 AVT04 RS02715 WP 011226912.1  DQFSMVLQDTWLFEGTIRDNLIYNQENISDEQVIATAKAVGVHHFITTLPKGYDTYLDASVTLSVGQKQLLTIARALLKDAPLLI  510
NTDB id 370 SMU RS04260 WP 002263294.1      DAFAMVLQDTWLFEGTVKENLIYNQKHITDEQVIAAAKAVGVHHFIKTLPKGYDTVLDDSVTLSVGQKQLLTIARALLKDAPLLI  502
consensus                                   ! ! !!!!!!!!!!!!***!!!!!! *!*!!!!!! !!!!!!!!!! !!!!!!!!! !! !!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 99039 AVT04 RS02715 WP 011226912.1  LDEATSSVDTRTEELIQKAMDKLMEGRTSFVIAHRLSTIRNADLILVMKDGNIIEQGNHDELMAANGFYADLYNSQFTEEVA  592
NTDB id 370 SMU RS04260 WP 002263294.1      LDEATSSVDTRTEELIQRAMDHLMEGRTSFVIAHRLSTIRNADLILVMRDGNIIEQGSHDQLMAENGFYADLYNSQFTEEVA  584
consensus                                   !!!!!!!!!!!!!!!!!*!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!! !! !!! !!!!!!!!!!!!!!!!!
```


X non conserved
X similar
X ≥ 50% conserved