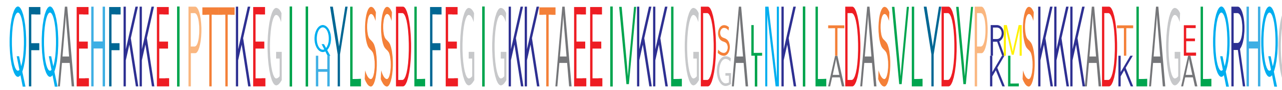
logo

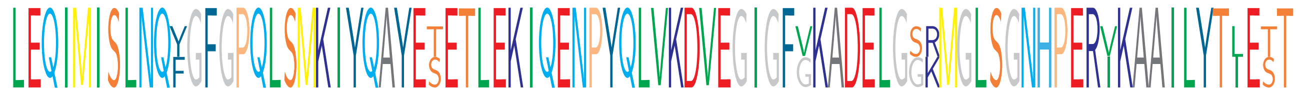
```
NTDB id 339714 ES966 RS13445 WP 017418224.1  ....MDQLNIEEQPYVKGVIHTVIYHNDTNLYTVLKVKVAETSEAIEDKVVSVTGYFPLLQEDETYTFYGKTATHPKFGL   76
NTDB id 355 BSU 27480 NP 390625.1            MQQHPDQLKLEEEPYLKGTVNTVIYHNDTNLYTVLKVKVTETSEAIEDKAVSVTGYFPALQEEETYTFYGKIVTHPKFGL   80
consensus                                    *****!!! *!! !!*!! **!!!!!!!!!!!!!!!!!! !!!!!!!!! !!!!!!!! !!!*!!!!!!!!  !!!!!!!
```

logo



```
NTDB id 339714 ES966 RS13445 WP 017418224.1  QFQAEHFKKEIPTTKEGIIHYLSSDLFEGIGKKTAEEIVKKLGDGALNKILTDASVLYDVPKMSKKKADKLAGELQRHQG  156
NTDB id 355 BSU 27480 NP 390625.1            QFQAEHFKKEIPTTKEGIIQYLSSDLFEGIGKKTAEEIVKKLGDSAINKILADASVLYDVPRLSKKKADTLAGALQRHQG  160
consensus                                    !!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!! !*!!!! !!!!!!!!!**!!!!!! !!! !!!!!!
```

logo



```
NTDB id 339714 ES966 RS13445 WP 017418224.1  LEQIMISLNQYGFGPQLSMKIYQAYETETLEKIQENPYQLVKDVEGIGFVKADELGGKMGLSGNHPERIKAAILYTIEST  236
NTDB id 355 BSU 27480 NP 390625.1            LEQIMISLNQFGFGPQLSMKIYQAYESETLEKIQENPYQLVKDVEGIGFGKADELGSRMGLSGNHPERVKAAILYTLETT  240
consensus                                    !!!!!!!!!!*!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!! !!!!!! *!!!!!!!!!!*!!!!!!!*!*!
```

logo

```
NTDB id 339714 ES966 RS13445 WP 017418224.1  CLSEGHTYIETKQLIINTQTLLNQSA.EGGRVTEMDAADGIIALGESKDIVIEGERCYFPSLFYAEQNVAKRVLDIAAQT  315
NTDB id 355 BSU 27480 NP 390625.1            CLSEGHTYIETEQLIIDTQSLLNQSAREGQRITEMDAANAIIALGENKDIVIEDGRCYFPSLFYAEQNVAKRVKHIASQT  320
consensus                                    !!!!!!!!!!! !!!! !!*!!!!!!*!! !*!!!!!! *!!!!!! !!!!!!  !!!!!!!!!!!!!!!!!! *!! !!
```

logo

```
NTDB id 339714 ES966 RS13445 WP 017418224.1  EYADQFPESEFLLALGELEERMNVQYAPSQKDAIQKALSSPMLLLTGGPGTGKTTVIKGIVELYSELHGVSLDPGDYKKD  395
NTDB id 355 BSU 27480 NP 390625.1            EYENQFPESEFLLALGELEERMDVQYAPSQKEAIQKALSSPMLLLTGGPGTGKTTVIRGIVELYGELHGVSLDPSAYKKD  400
consensus                                    !!  !!!!!!!!!!!!!!!!!! !!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!! !!!!!!!!!  !!!!
```

logo

```
NTDB id 339714 ES966 RS13445 WP 017418224.1  ETFPVLLAAPTGRAAKRMSESTGLPAVTIHRLLGWNGAEGFTYNEDQPIEGKLIIIDEASMLDIWLASHLFKALPKHIQL  475
NTDB id 355 BSU 27480 NP 390625.1            EAFPIVLAAPTGRAAKRMSESTGLPAVTIHRLLGWNGAEGFTHTEDQPIEGKLLIIDEASMLDIWLANHLFKAIPDHIQI  480
consensus                                    ! !!**!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!* !!!!!!!!!*!!!!!!!!!!!!! !!!!!*! !!!*
```

logo

```
NTDB id 339714 ES966 RS13445 WP 017418224.1  IVVGDEDQLPSVGPGQVLRDLLASEVLPTVRLTDIYRQAEGSSIVELAHDMKKGLLPKGLTAPTKDRSFIRCNSSQIKEV  555
NTDB id 355 BSU 27480 NP 390625.1            IIVGDEDQLPSVGPGQVLRDLLASQVIPTVRLTDIYRQAEGSSIVELAHQMKNGLLPNNLTAPTKDRSFIRCGGSQIKEV  560
consensus                                    !*!!!!!!!!!!!!!!!!!!!!!! !*!!!!!!!!!!!!!!!!!!!!!! !! !!!!  !!!!!!!!!!!!!  !!!!!!
```

```
logo
NTDB id 339714 ES966 RS13445 WP 017418224.1  VDQVVSNALKKGYTSRDIQVLAPMYRGKAGINELNMLLQDIMNPPKEKRRELKFGDVVYRTGDKILQLVNQPENNVFNGD  635
NTDB id 355 BSU 27480 NP 390625.1            VEKVVANALKKGYTAKDIQVLAPMYRGKAGINELNVMLQDILNPPKEKRRELKFGDVVYRTGDKILQLVNQPENNVFNGD  640
consensus                                    !* !! !!!!!!!! *!!!!!!!!!!!!!!!!!!!!**!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 339714 ES966 RS13445 WP 017418224.1  IGEIVSIFYAKENTEKEDMVVVSFDGNEITFTKKDFSQFTHAYCCSIHKSQGSEFPIVVLPVVKGYYRMLRRNLLYTAIT  715
NTDB id 355 BSU 27480 NP 390625.1            IGEITSIFYAKENTEKEDMAVVSFDGNEMTFTKKDFNQFTHAYCCSIHKSQGSEFPIVVLPVVKGYYRMLRRNLLYTAIT  720
consensus                                    !!!! !!!!!!!!!!!!!! !!!!!!!!!*!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo
NTDB id 339714 ES966 RS13445 WP 017418224.1  RAKKFLILCGEEEALEWGVKNNDATVRQTSLKNRLTEQTEEMDAELAALQKELPFSVYDANIGMEGITPFDFMEEKA.  792
NTDB id 355 BSU 27480 NP 390625.1            RAKKFLILCGEEEALEWGVKNNDATVRQTSLKNRLSVQVEEMDAELEALQKELPFSVHDANIGMEGITPFDFMKEEQQ  798
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!* ! !!!!!!! !!!!!!!!!!!*!!!!!!!!!!!!!!!! !  *
```

X non conserved

X similar

X $\geq$ 50% conserved