logo

```
NTDB id 271169 C4E16 RS00145 WP 001883436.1  MRLCPRFSLDLLVKVKKLVNFVTLGFSCLSPTHAWRSPQSFTESNTLIMFRFYRKQKFKRLQNTLMAAFLALSIIPLTIT   80
NTDB id 1143 A1552VC RS01965 WP 001883436.1  MRLCPRFSLDLLVKVKKLVNFVTLGFSCLSPTHAWRSPQSFTESNTLIMFRFYRKQKFKRLQNTLMAAFLALSIIPLTIT   80
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 271169 C4E16 RS00145 WP 001883436.1  ALFFLHSHSKDLEQQSTSYLVSVRDNKQQQVIDYMMAKESEVMGFVRSELAYASGGRFYGLVNAFQRLDVSIEAAREHAQ  160
NTDB id 1143 A1552VC RS01965 WP 001883436.1  ALFFLHSHSKDLEQQSTSYLVSVRDNKQQQVIDYMMAKESEVMGFVRSELAYASGGRFYGLVNAFQRLDVSIEAAREHAQ  160
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 271169 C4E16 RS00145 WP 001883436.1  QRYITGSGDQIKTSVLPQSSSYVGSERYRLLHKRYHWAYLELLKRSDFDDILLVDIDGNVVYSIYKYDNFGTNLLTGKYQ  240
NTDB id 1143 A1552VC RS01965 WP 001883436.1  QRYITGSGDQIKTSVLPQSSSYVGSERYRLLHKRYHWAYLELLKRSDFDDILLVDIDGNVVYSIYKYDNFGTNLLTGKYQ  240
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 271169 C4E16 RS00145 WP 001883436.1  DTNLGHTFKRLEQTVNEQRKTNEDFTPVVISDFVQEDGKQYAWLGAPIIQQGYLHSYAMFRLPSNAITKLIAEGSSNPSM  320
NTDB id 1143 A1552VC RS01965 WP 001883436.1  DTNLGHTFKRLEQTVNEQRKTNEDFTPVVISDFVQEDGKQYAWLGAPIIQQGYLHSYAMFRLPSNAITKLIAEGSSNPSM  320
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 271169 C4E16 RS00145 WP 001883436.1  QTILVGQDHRSRTLTSAEIAVEKSKAVVDLALSGKRAVGTYTNTDGEQIIAAYAPINLKNIHWALVVELPEKEAFARVRQ  400
NTDB id 1143 A1552VC RS01965 WP 001883436.1  QTILVGQDHRSRTLTSAEIAVEKSKAVVDLALSGKRAVGTYTNTDGEQIIAAYAPINLKNIHWALVVELPEKEAFARVRQ  400
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 271169 C4E16 RS00145 WP 001883436.1  LEKLFVFAMLTAIVLVVIASHYLSNFITSPLLKLTWAAERVSAGDLDEAMINTERKDEIGRLAVSFERMQRSIREKISLI  480
NTDB id 1143 A1552VC RS01965 WP 001883436.1  LEKLFVFAMLTAIVLVVIASHYLSNFITSPLLKLTWAAERVSAGDLDEAMINTERKDEIGRLAVSFERMQRSIREKISLI  480
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 271169 C4E16 RS00145 WP 001883436.1  KSQNKELESNLLIIRKQNDELQLANKLKDEFLATTSHELRTPLHGMIGIAEALISGANGPISAAHKYQLDIIISSGQRLA  560
NTDB id 1143 A1552VC RS01965 WP 001883436.1  KSQNKELESNLLIIRKQNDELQLANKLKDEFLATTSHELRTPLHGMIGIAEALISGANGPISAAHKYQLDIIISSGQRLA  560
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 271169 C4E16 RS00145 WP 001883436.1  TLVDDLLDYHKMRYGALDIQRCAVDLSSATRLVLELSHHLLGKKTLRIINQVSEQPVWVSADPQRLEQVLYNLIGNAIKY   640
NTDB id 1143 A1552VC RS01965 WP 001883436.1  TLVDDLLDYHKMRYGALDIQRCAVDLSSATRLVLELSHHLLGKKTLRIINQVSEQPVWVSADPQRLEQVLYNLIGNAIKY   640
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

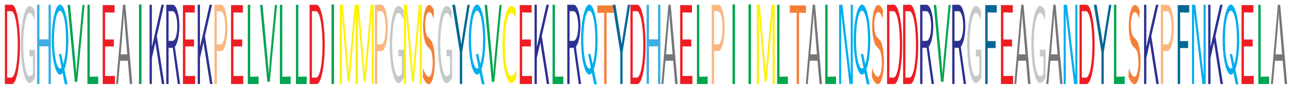
logo

```
NTDB id 271169 C4E16 RS00145 WP 001883436.1  TSEGKIVISATYIDDKVRVQVVDTGQGIPAEQLEHIFEPLIQAGHDASRYRQGAGLGLSISRQLIELMHGTLYVSSQPMV   720
NTDB id 1143 A1552VC RS01965 WP 001883436.1  TSEGKIVISATYIDDKVRVQVVDTGQGIPAEQLEHIFEPLIQAGHDASRYRQGAGLGLSISRQLIELMHGTLYVSSQPMV   720
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 271169 C4E16 RS00145 WP 001883436.1  GTTFSFTLPLASEEEIAQARLTELPHFQAPEVLDSELPEQSNLPENEHGPLLLVADDEPVNLRVLDSFLRLEGYRVHTAQ   800
NTDB id 1143 A1552VC RS01965 WP 001883436.1  GTTFSFTLPLASEEEIAQARLTELPHFQAPEVLDSELPEQSNLPENEHGPLLLVADDEPVNLRVLDSFLRLEGYRVHTAQ   800
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 271169 C4E16 RS00145 WP 001883436.1  DGHQVLEAIKREKPELVLLDIMMPGMSGYQVCEKLRQTYDHAELPIIMLTALNQSDDRVRGFEAGANDYLSKPFNKQELA   880
NTDB id 1143 A1552VC RS01965 WP 001883436.1  DGHQVLEAIKREKPELVLLDIMMPGMSGYQVCEKLRQTYDHAELPIIMLTALNQSDDRVRGFEAGANDYLSKPFNKQELA   880
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 271169 C4E16 RS00145 WP 001883436.1  ARIVAHLTASKAELRRIENAQLQKELKHRAMVEASLLETQGRLLEQLESAPEAILCVKEGNKVRFANEAAARLFRRTPEQ   960
NTDB id 1143 A1552VC RS01965 WP 001883436.1  ARIVAHLTASKAELRRIENAQLQKELKHRAMVEASLLETQGRLLEQLESAPEAILCVKEGNKVRFANEAAARLFRRTPEQ   960
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

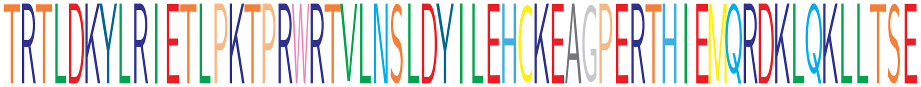
logo

```
NTDB id 271169 C4E16 RS00145 WP 001883436.1  LKRSNAEELIAPKFLNIEQEHYCGNIDVYVDDVRQHLSADVLRLPQGSGLQAMYIFNVGGSVNAARIHNLETAVEALSSY  1040
NTDB id 1143 A1552VC RS01965 WP 001883436.1  LKRSNAEELIAPKFLNIEQEHYCGNIDVYVDDVRQHLSADVLRLPQGSGLQAMYIFNVGGSVNAARIHNLETAVEALSSY  1040
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 271169 C4E16 RS00145 WP 001883436.1  AFEGDKDKLQKLKELGGEFTRLADKASGEYQSKQDLMRAVLVEAMTSALNYWERVSGQSKFTFAEQSGLWRVYLDRSTLQ  1120
NTDB id 1143 A1552VC RS01965 WP 001883436.1  AFEGDKDKLQKLKELGGEFTRLADKASGEYQSKQDLMRAVLVEAMTSALNYWERVSGQSKFTFAEQSGLWRVYLDRSTLQ  1120
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 271169 C4E16 RS00145 WP 001883436.1  TRTLDKYLRIETLPKTPRWRTVLNSLDYILEHCKEAGPERTHIEMQRDKLQKLLTSE  1177
NTDB id 1143 A1552VC RS01965 WP 001883436.1  TRTLDKYLRIETLPKTPRWRTVLNSLDYILEHCKEAGPERTHIEMQRDKLQKLLTSE  1177
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

X non conserved

X similar

X ≥ 50% conserved