logo

```
NTDB id 43543 V060002 RS16700 WP 001883436.1  MRLCPRFSLDLLVKVKKLVNFVTLGFSCLSPTHAWRSPQSFTESNTLIMFRFYRKQKFKRLQNTLMAAFLALSIIPLTIT   80
NTDB id 1143 A1552VC RS01965 WP 001883436.1   MRLCPRFSLDLLVKVKKLVNFVTLGFSCLSPTHAWRSPQSFTESNTLIMFRFYRKQKFKRLQNTLMAAFLALSIIPLTIT   80
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 43543 V060002 RS16700 WP 001883436.1  ALFFLHSHSKDLEQQSTSYLVSVRDNKQQQVIDYMMAKESEVMGFVRSELAYASGGRFYGLVNAFQRLDVSIEAAREHAQ  160
NTDB id 1143 A1552VC RS01965 WP 001883436.1   ALFFLHSHSKDLEQQSTSYLVSVRDNKQQQVIDYMMAKESEVMGFVRSELAYASGGRFYGLVNAFQRLDVSIEAAREHAQ  160
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 43543 V060002 RS16700 WP 001883436.1  QRYITGSGDQIKTSVLPQSSSYVGSERYRLLHKRYHWAYLELLKRSDFDDILLVDIDGNVVYSIYKYDNFGTNLLTGKYQ  240
NTDB id 1143 A1552VC RS01965 WP 001883436.1   QRYITGSGDQIKTSVLPQSSSYVGSERYRLLHKRYHWAYLELLKRSDFDDILLVDIDGNVVYSIYKYDNFGTNLLTGKYQ  240
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 43543 V060002 RS16700 WP 001883436.1  DTNLGHTFKRLEQTVNEQRKTNEDFTPVVISDFVQEDGKQYAWLGAPIIQQGYLHSYAMFRLPSNAITKLIAEGSSNPSM  320
NTDB id 1143 A1552VC RS01965 WP 001883436.1   DTNLGHTFKRLEQTVNEQRKTNEDFTPVVISDFVQEDGKQYAWLGAPIIQQGYLHSYAMFRLPSNAITKLIAEGSSNPSM  320
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 43543 V060002 RS16700 WP 001883436.1  QTILVGQDHRSRTLTSAEIAVEKSKAVVDLALSGKRAVGTYTNTDGEQIIAAYAPINLKNIHWALVVELPEKEAFARVRQ  400
NTDB id 1143 A1552VC RS01965 WP 001883436.1   QTILVGQDHRSRTLTSAEIAVEKSKAVVDLALSGKRAVGTYTNTDGEQIIAAYAPINLKNIHWALVVELPEKEAFARVRQ  400
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 43543 V060002 RS16700 WP 001883436.1  LEKLFVFAMLTAIVLVVIASHYLSNFITSPLLKLTWAAERVSAGDLDEAMINTERKDEIGRLAVSFERMQRSIREKISLI  480
NTDB id 1143 A1552VC RS01965 WP 001883436.1   LEKLFVFAMLTAIVLVVIASHYLSNFITSPLLKLTWAAERVSAGDLDEAMINTERKDEIGRLAVSFERMQRSIREKISLI  480
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 43543 V060002 RS16700 WP 001883436.1  KSQNKELESNLLIIRKQNDELQLANKLKDEFLATTSHELRTPLHGMIGIAEALISGANGPISAAHKYQLDIIISSGQRLA  560
NTDB id 1143 A1552VC RS01965 WP 001883436.1   KSQNKELESNLLIIRKQNDELQLANKLKDEFLATTSHELRTPLHGMIGIAEALISGANGPISAAHKYQLDIIISSGQRLA  560
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 43543 V060002 RS16700 WP 001883436.1  TLVDDLLDYHKMRYGALDIQRCAVDLSSATRLVLELSHHLLGKKTLRIINQVSEQPVWVSADPQRLEQVLYNLIGNAIKY   640
NTDB id 1143 A1552VC RS01965 WP 001883436.1   TLVDDLLDYHKMRYGALDIQRCAVDLSSATRLVLELSHHLLGKKTLRIINQVSEQPVWVSADPQRLEQVLYNLIGNAIKY   640
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 43543 V060002 RS16700 WP 001883436.1  TSEGKIVISATYIDDKVRVQVVDTGQGIPAEQLEHIFEPLIQAGHDASRYRQGAGLGLSISRQLIELMHGTLYVSSQPMV   720
NTDB id 1143 A1552VC RS01965 WP 001883436.1   TSEGKIVISATYIDDKVRVQVVDTGQGIPAEQLEHIFEPLIQAGHDASRYRQGAGLGLSISRQLIELMHGTLYVSSQPMV   720
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 43543 V060002 RS16700 WP 001883436.1  GTTFSFTLPLASEEEIAQARLTELPHFQAPEVLDSELPEQSNLPENEHGPLLLVADDEPVNLRVLDSFLRLEGYRVHTAQ   800
NTDB id 1143 A1552VC RS01965 WP 001883436.1   GTTFSFTLPLASEEEIAQARLTELPHFQAPEVLDSELPEQSNLPENEHGPLLLVADDEPVNLRVLDSFLRLEGYRVHTAQ   800
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 43543 V060002 RS16700 WP 001883436.1  DGHQVLEAIKREKPELVLLDIMMPGMSGYQVCEKLRQTYDHAELPIIMLTALNQSDDRVRGFEAGANDYLSKPFNKQELA   880
NTDB id 1143 A1552VC RS01965 WP 001883436.1   DGHQVLEAIKREKPELVLLDIMMPGMSGYQVCEKLRQTYDHAELPIIMLTALNQSDDRVRGFEAGANDYLSKPFNKQELA   880
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 43543 V060002 RS16700 WP 001883436.1  ARIVAHLTASKAELRRIENAQLQKELKHRAMVEASLLETQGRLLEQLESAPEAILCVKEGNKVRFANEAAARLFRRTPEQ   960
NTDB id 1143 A1552VC RS01965 WP 001883436.1   ARIVAHLTASKAELRRIENAQLQKELKHRAMVEASLLETQGRLLEQLESAPEAILCVKEGNKVRFANEAAARLFRRTPEQ   960
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

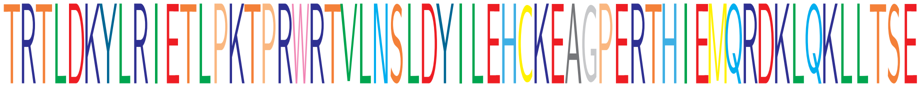
logo

```
NTDB id 43543 V060002 RS16700 WP 001883436.1  LKRSNAEELIAPKFLNIEQEHYCGNIDVYVDDVRQHLSADVLRLPQGSGLQAMYIFNVGGSVNAARIHNLETAVEALSSY  1040
NTDB id 1143 A1552VC RS01965 WP 001883436.1   LKRSNAEELIAPKFLNIEQEHYCGNIDVYVDDVRQHLSADVLRLPQGSGLQAMYIFNVGGSVNAARIHNLETAVEALSSY  1040
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

```
NTDB id 43543 V060002 RS16700 WP 001883436.1  AFEGDKDKLQKLKELGGEFTRLADKASGEYQSKQDLMRAVLVEAMTSALNYWERVSGQSKFTFAEQSGLWRVYLDRSTLQ  1120
NTDB id 1143 A1552VC RS01965 WP 001883436.1   AFEGDKDKLQKLKELGGEFTRLADKASGEYQSKQDLMRAVLVEAMTSALNYWERVSGQSKFTFAEQSGLWRVYLDRSTLQ  1120
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 43543 V060002 RS16700 WP 001883436.1  TRTLDKYLRIETLPKTPRWRTVLNSLDYILEHCKEAGPERTHIEMQRDKLQKLLTSE  1177
NTDB id 1143 A1552VC RS01965 WP 001883436.1   TRTLDKYLRIETLPKTPRWRTVLNSLDYILEHCKEAGPERTHIEMQRDKLQKLLTSE  1177
consensus                                     !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

X non conserved

X similar

X $\geq$50% conserved