```
logo

NTDB id 232429 S100027 RS00020 WP 016885621.1  MYIQNITLSSYRNYERLDLQFENKVNVIIGENAQGKTNLMEAIYVLAMAKSHRTSNDKELIRWDEDYAKIEGRVIKKNGS   80
NTDB id 353 BSU 00040 NP 387885.1              MYIQNLELTSYRNYDHAELQFENKVNVIIGENAQGKTNLMEAIYVLSMAKSHRTSNDKELIRWDKDYAKIEGRVMKQNGA   80
consensus                                      !!!!!* !*!!!!!** *!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!! !!!!!!!!!*! !!

logo

NTDB id 232429 S100027 RS00020 WP 016885621.1  VPIQLVISKKGKKGKVNHIEQQKLSQYVGAVNTIMFAPEDLNLVKGSPQVRRRFLDMEIGQVSPVYLHDLSLYQKILSQR  160
NTDB id 353 BSU 00040 NP 387885.1              IPMQLVISKKGKKGKVNHIEQQKLSQYVGALNTIMFAPEDLNLVKGSPQVRRRFLDMEIGQVSPVYLHDLSLYQKILSQR  160
consensus                                      *!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 232429 S100027 RS00020 WP 016885621.1  NHFLKQLQTRKQTDQTMLDVLTEQLTEFAAKVVMKRLQFVDQLEKWAQPIHSGISRGLEELTLKYHTSLHVSDSPDLSKM  240
NTDB id 353 BSU 00040 NP 387885.1              NHFLKQLQTRKQTDRTMLDVLTDQLVEVAAKVVVKRLQFTAQLEKWAQPIHAGISRGLEELTLKYHTALDVSDPLDLSKI  240
consensus                                      !!!!!!!!!!!!!!! !!!!!!!*!! ! !!!!!*!!!!! !!!!!!!!!! !!!!!!!!!!!!!!! !*!!!**!!!!*

logo

NTDB id 232429 S100027 RS00020 WP 016885621.1  INSYQETFSKLRDKEIERGVSLSGPHRDDVLFYVNGRDVQTYGSQGQQRTTALSLKLAEIDLIQEEIGEYPILLLDDVLS  320
NTDB id 353 BSU 00040 NP 387885.1              GDSYQEAFSKLREKEIERGVTLSGPHRDDVLFYVNGRDVQTYGSQGQQRTTALSLKLAEIDLIHEEIGEYPILLLDDVLS  320
consensus                                        !!!! !!!!!*!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 232429 S100027 RS00020 WP 016885621.1  ELDDYRQSHLLHTIQGRVQTFVTTTSVDGIDHKTLNEAEIFRVENGTLSD   370
NTDB id 353 BSU 00040 NP 387885.1              ELDDYRQSHLLHTIQGRVQTFVTTTSVDGIDHETLRQAGMFRVQNGALVK   370
consensus                                      !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!   ! *!!! !! !
```

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