```
logo

NTDB id 247526 COP00 RS15950 WP 048353834.1  MYIQNLTLSSYRNYEHVELEFENKVNVIIGENAQGKTNLMEAIYVLAMAKSHRTSNDKELIRWDQDYAKIEGRVIKKNGP   80
NTDB id 353 BSU 00040 NP 387885.1            MYIQNLELTSYRNYDHAELQFENKVNVIIGENAQGKTNLMEAIYVLSMAKSHRTSNDKELIRWDKDYAKIEGRVMKQNGA   80
consensus                                    !!!!!! !*!!!!!*! !! !!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!! !!!!!!!!!*! !!*

logo

NTDB id 247526 COP00 RS15950 WP 048353834.1  VPIQLVISKKGKKGKVNHIEQQKLSQYVGAVNTIMFAPEDLNLVKGSPQVRRRFLDMEIGQVSPVYLHDLSLYQKILSQR  160
NTDB id 353 BSU 00040 NP 387885.1            IPMQLVISKKGKKGKVNHIEQQKLSQYVGALNTIMFAPEDLNLVKGSPQVRRRFLDMEIGQVSPVYLHDLSLYQKILSQR  160
consensus                                    *!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 247526 COP00 RS15950 WP 048353834.1  NHFLKQLQTRKQTDQTMLDVLTEQLTEFAAKVVMKRLQFVDQLEKWAQPIHSGISRGLEELTLKYHTSLHVSDSPDLSKM  240
NTDB id 353 BSU 00040 NP 387885.1            NHFLKQLQTRKQTDRTMLDVLTDQLVEVAAKVVVKRLQFTAQLEKWAQPIHAGISRGLEELTLKYHTALDVSDPLDLSKI  240
consensus                                    !!!!!!!!!!!!!!! !!!!!!!*!! ! !!!!!*!!!!!  !!!!!!!!!!! !!!!!!!!!!!!!!! !*!!!**!!!!*

logo

NTDB id 247526 COP00 RS15950 WP 048353834.1  INSYQESFSKLRDKEIERGVSLSGPHRDDVLFYVNGRDVQTYGSQGQQRTTALSLKLAEIDLIQEEIGEYPILLLDDVLS  320
NTDB id 353 BSU 00040 NP 387885.1            GDSYQEAFSKLREKEIERGVTLSGPHRDDVLFYVNGRDVQTYGSQGQQRTTALSLKLAEIDLIHEEIGEYPILLLDDVLS  320
consensus                                      !!!! !!!!!*!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 247526 COP00 RS15950 WP 048353834.1  ELDDYRQSHLLHTIQGRVQTFVTTTSVDGIDHQTLNEAGIFRVANGALLD   370
NTDB id 353 BSU 00040 NP 387885.1            ELDDYRQSHLLHTIQGRVQTFVTTTSVDGIDHETLRQAGMFRVQNGALVK   370
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!  !!*!!! !!!!*
```

X non conserved

X similar

X $\geq$ 50% conserved