```
logo

NTDB id 355030 EQK04 RS19130 WP 017368464.1  MYIQSLALTSYRNYEHTELQFDNKVNVMIGENAQGKTNLMEAIYVLSMAKSHRTSNDKELIRWDEDYAKIEGRVIKKNGP   80
NTDB id 353 BSU 00040 NP 387885.1            MYIQNLELTSYRNYDHAELQFENKVNVIIGENAQGKTNLMEAIYVLSMAKSHRTSNDKELIRWDKDYAKIEGRVMKQNGA   80
consensus                                    !!!! ! !!!!!!!*! !!!!*!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!*! !!*

logo

NTDB id 355030 EQK04 RS19130 WP 017368464.1  LPMQLVISKKGKKGKVNHIEQQKLSHYVGALNTIMFAPEDLSLVKGSPQIRRRFLDMEIGQVSAVYLHDLSLYQKILTQR  160
NTDB id 353 BSU 00040 NP 387885.1            IPMQLVISKKGKKGKVNHIEQQKLSQYVGALNTIMFAPEDLNLVKGSPQVRRRFLDMEIGQVSPVYLHDLSLYQKILSQR  160
consensus                                    *!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!! !!!!!!!*!!!!!!!!!!!!!!*!!!!!!!!!!!!!!*!!

logo

NTDB id 355030 EQK04 RS19130 WP 017368464.1  NHYLKQLQTRKQTDQTMLEILTEQLIDAAAKVVKRRLTFTKQLEKWAQPLHFGISRELETLTLQYQTAIEVSEASDLSKI  240
NTDB id 353 BSU 00040 NP 387885.1            NHFLKQLQTRKQTDRTMLDVLTDQLVEVAAKVVVKRLQFTAQLEKWAQPIHAGISRGLEELTLKYHTALDVSDPLDLSKI  240
consensus                                    !!*!!!!!!!!!!! !!!**!!*!!** !!!!! *!! !! !!!!!!!!!*! !!!! !! !!! !*!!**!!** !!!!!

logo

NTDB id 355030 EQK04 RS19130 WP 017368464.1  KNSYEESFQKLRDREIDRGVTLWGPHRDDLLFFVNGRDVQTYGSQGQQRTTALSLKLAEIDLIHEEIGEYPILLLDDVLS  320
NTDB id 353 BSU 00040 NP 387885.1            GDSYQEAFSKLREKEIERGVTLSGPHRDDVLFYVNGRDVQTYGSQGQQRTTALSLKLAEIDLIHEEIGEYPILLLDDVLS  320
consensus                                      !! ! ! !!!**!!*!!!!! !!!!!!*!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 355030 EQK04 RS19130 WP 017368464.1  ELDDYRQSHLLHTIQGRVQTFVTTTSVEGIDHATLKEAEIFRVASGKVID   370
NTDB id 353 BSU 00040 NP 387885.1            ELDDYRQSHLLHTIQGRVQTFVTTTSVDGIDHETLRQAGMFRVQNGALVK   370
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!! !!* ! *!!!  ! **
```

X non conserved

X similar

X $\geq$ 50% conserved