```
logo

NTDB id 406402 GPA07 RS01110 WP 157291883.1  MYIQSLALTSYRNYEHTELQFDNKVNVMIGENAQGKTNLMEAIYVLSMAKSHRTSNDKELIRWDEDYAKIEGRVIKKNGP   80
NTDB id 353 BSU 00040 NP 387885.1            MYIQNLELTSYRNYDHAELQFENKVNVIIGENAQGKTNLMEAIYVLSMAKSHRTSNDKELIRWDKDYAKIEGRVMKQNGA   80
consensus                                    !!!! ! !!!!!!!*! !!!!*!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!*! !!*

logo

NTDB id 406402 GPA07 RS01110 WP 157291883.1  LPMQLVISKKGKKGKVNHIEQQKLSHYVGALNTIMFAPEDLSLVKGSPQIRRRFLDMEIGQVSAVYLHDLSLYQKILSQR  160
NTDB id 353 BSU 00040 NP 387885.1            IPMQLVISKKGKKGKVNHIEQQKLSQYVGALNTIMFAPEDLNLVKGSPQVRRRFLDMEIGQVSPVYLHDLSLYQKILSQR  160
consensus                                    *!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!! !!!!!!!*!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!

logo

NTDB id 406402 GPA07 RS01110 WP 157291883.1  NHYLKQLQTRKQTDQAMLEVLTEQLIDAAAKVVKRRLTFTKQLEKWAQPLHFGISRELETLTLQYQTAIEVSEASDLSKI  240
NTDB id 353 BSU 00040 NP 387885.1            NHFLKQLQTRKQTDRTMLDVLTDQLVEVAAKVVVKRLQFTAQLEKWAQPIHAGISRGLEELTLKYHTALDVSDPLDLSKI  240
consensus                                    !!*!!!!!!!!!!!  !!*!!!*!!** !!!!! *!! !! !!!!!!!!*! !!!! !! !!! !*!!**!!** !!!!!

logo

NTDB id 406402 GPA07 RS01110 WP 157291883.1  KNSYEESFRKLRDREIDRGVTLWGPHRDDLLFFVNGRDVQTYGSQGQQRTTALSLKLAEIDLIHEEIGEYPILLLDDVLS  320
NTDB id 353 BSU 00040 NP 387885.1            GDSYQEAFSKLREKEIERGVTLSGPHRDDVLFYVNGRDVQTYGSQGQQRTTALSLKLAEIDLIHEEIGEYPILLLDDVLS  320
consensus                                      !! ! ! !!!**!!*!!!!! !!!!!!*!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 406402 GPA07 RS01110 WP 157291883.1  ELDDYRQSHLLHTIQGRVQTFVTTTSVEGIDHATLKEAEIFRVASGKVID   370
NTDB id 353 BSU 00040 NP 387885.1            ELDDYRQSHLLHTIQGRVQTFVTTTSVDGIDHETLRQAGMFRVQNGALVK   370
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!! !!* ! *!!!  ! **
```

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