```
logo

NTDB id 152511 AEI23 RS06285 WP 002872238.1  MKIFIHLPTWLGDAVMASPALYAIKEHFKNAQFILYGSLVSTALFKEFPNSKIIIENKLSRYKQALSLRKELGKIDFSFA   80
NTDB id 1241 Cj1148 YP 002344539.1           MKIFIHLPTWLGDTVMASPALYTIKEHFKDAQFILYGSFVSTALFKEFPNSKIIIENKLSRYKQALSLRKELGKIDLSFA   80
consensus                                    !!!!!!!!!!!!! !!!!!!!! !!!!!! !!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 152511 AEI23 RS06285 WP 002872238.1  FRSAFSSKIILHILKTKQRYFFDKNKHKEEHQVLKYLYFIENSLGIKAHFKDLKLPFKLKFQNPLVLKNGKKILGLNPGA  160
NTDB id 1241 Cj1148 YP 002344539.1           FRSAFSSKIILHILKTKQRYFFDKNKYKEEHQVLKYLYFIENSLSIKAHFKDLKLPFKLKFQNPLILRNGKKILGLNPGA  160
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!*!*!!!!!!!!!!!!

logo

NTDB id 152511 AEI23 RS06285 WP 002872238.1  SFGSAKRWDASYFAKVALNFSQSHEILIFGAGKAEQELCNEIYQILKEQNIKVKNLCNKTTIKTLCQNIAFCDLFITNDS  240
NTDB id 1241 Cj1148 YP 002344539.1           SFGSAKRWDASYFAKVALNFSQSHDILIFGAGKAEQELCNEIYQILKEQNIKVKNLCNKTTIKTLCQNIAFCDLFITNDS  240
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 152511 AEI23 RS06285 WP 002872238.1  GPMHISAVYKVKTVAIFGPTKFTQTSPWQNQNARWVHLDLACMPCMQKTCPLKHHKCMKDLKPEVILKAIQNLINI...  316
NTDB id 1241 Cj1148 YP 002344539.1           GPMHLSAVYKVKTVAIFGPTKFTQTSPWQNENAKLVHLDLACMPCMQKTCPLKHHKCMKDLKPEKVIEQAKNLLKNSHL  319
consensus                                    !!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved