```
logo

NTDB id 152377 AEI15 RS05365 WP 002884485.1  MKIFIHLPTWLGDAVMASPALYVIKEHFKNAQFILYGSLVSTALFKEFPNSKIIIENKQSRYKQALSLRKELGKIDFSFA   80
NTDB id 1241 Cj1148 YP 002344539.1           MKIFIHLPTWLGDTVMASPALYTIKEHFKDAQFILYGSFVSTALFKEFPNSKIIIENKLSRYKQALSLRKELGKIDLSFA   80
consensus                                    !!!!!!!!!!!!! !!!!!!!! !!!!!! !!!!!!!! !!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!! !!!

logo

NTDB id 152377 AEI15 RS05365 WP 002884485.1  FRSAFSSKIILHILKTKQRYFFDKNKHKEEHQVLKYLYFIENSLHIKAHLKDLKLPFKLKFQSPLVLKNGKKILGLNPGA  160
NTDB id 1241 Cj1148 YP 002344539.1           FRSAFSSKIILHILKTKQRYFFDKNKYKEEHQVLKYLYFIENSLSIKAHFKDLKLPFKLKFQNPLILRNGKKILGLNPGA  160
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!*!!!! !!!!!!!!!!!! !!*!*!!!!!!!!!!!!!

logo

NTDB id 152377 AEI15 RS05365 WP 002884485.1  SFGNAKRWDASYFAKVALNFSQSHEILIFGAGKAEQELCNEIYQILKEQNIKVKNLCNKTTIKTLCQNIAFCDLFITNDS  240
NTDB id 1241 Cj1148 YP 002344539.1           SFGSAKRWDASYFAKVALNFSQSHDILIFGAGKAEQELCNEIYQILKEQNIKVKNLCNKTTIKTLCQNIAFCDLFITNDS  240
consensus                                    !!! !!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 152377 AEI15 RS05365 WP 002884485.1  GPMHISAVYKVKTVAIFGPTKFTQTSPWQNENATLVHLNLACMPCMQKTCPLKHHKCMKDLKPEVIVKAIQNLTNI...  316
NTDB id 1241 Cj1148 YP 002344539.1           GPMHLSAVYKVKTVAIFGPTKFTQTSPWQNENAKLVHLDLACMPCMQKTCPLKHHKCMKDLKPEKVIEQAKNLLKNSHL  319
consensus                                    !!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!! **     !!    ***
```

X non conserved

X similar

X $\geq$ 50% conserved