```
logo

NTDB id 104754 R8564 RS06465 WP 002876195.1  MKIFIHLPTWLGDAVMASPALYAIKEHFKNAQFILYGSLVSTALFKEFPNSKIIIENKQSRYKQALSLRKELGKIDLSFA   80
NTDB id 1241 Cj1148 YP 002344539.1           MKIFIHLPTWLGDTVMASPALYTIKEHFKDAQFILYGSFVSTALFKEFPNSKIIIENKLSRYKQALSLRKELGKIDLSFA   80
consensus                                    !!!!!!!!!!!!! !!!!!!!! !!!!!! !!!!!!!! !!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 104754 R8564 RS06465 WP 002876195.1  FRSAFSSKIILHILKTKQRYFFDKNKHKEEHQVLKYLYFIENSLSIKAHSKDLKLPFKLKLQDPLVLKNGKKILGLNPGA  160
NTDB id 1241 Cj1148 YP 002344539.1           FRSAFSSKIILHILKTKQRYFFDKNKYKEEHQVLKYLYFIENSLSIKAHFKDLKLPFKLKFQNPLILRNGKKILGLNPGA  160
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!! ! !!*!*!!!!!!!!!!!!!

logo

NTDB id 104754 R8564 RS06465 WP 002876195.1  SFGSAKRWDASYFAKVALNFSQSHEILIFGAGKSEQELCNEIYQILKEQNIKVKNLCNKTTIKTLCQNIAFCDLFITNDS  240
NTDB id 1241 Cj1148 YP 002344539.1           SFGSAKRWDASYFAKVALNFSQSHDILIFGAGKAEQELCNEIYQILKEQNIKVKNLCNKTTIKTLCQNIAFCDLFITNDS  240
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 104754 R8564 RS06465 WP 002876195.1  GPMHISAVYKVKTVAIFGPTKFTQTSPWQNENAILVHLDLACMPCMQKTCPLKHHKCMKDLKPQRVIEEARNLLKNSHR  319
NTDB id 1241 Cj1148 YP 002344539.1           GPMHLSAVYKVKTVAIFGPTKFTQTSPWQNENAKLVHLDLACMPCMQKTCPLKHHKCMKDLKPEKVIEQAKNLLKNSHL  319
consensus                                    !!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved