```
logo

NTDB id 152969 AEI09 RS05650 WP 002866164.1  MKIFIHLPTWLGDAVMASPALYAIKEHFKNTQFILYGSLVSTALFREFPNSKIIIENKQTRYKQALSLRKELGKIDLSFA   80
NTDB id 1241 Cj1148 YP 002344539.1           MKIFIHLPTWLGDTVMASPALYTIKEHFKDAQFILYGSFVSTALFKEFPNSKIIIENKLSRYKQALSLRKELGKIDLSFA   80
consensus                                    !!!!!!!!!!!!! !!!!!!!! !!!!!! !!!!!!! !!!!!!*!!!!!!!!!!!! *!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 152969 AEI09 RS05650 WP 002866164.1  FRSAFSSKIILHILKTKQRYFFDKNKHKEEHQVLKYLYFIENSLSIKAHFKDLKLPFKLKFQNPLILKNGKKILGLNPGA  160
NTDB id 1241 Cj1148 YP 002344539.1           FRSAFSSKIILHILKTKQRYFFDKNKYKEEHQVLKYLYFIENSLSIKAHFKDLKLPFKLKFQNPLILRNGKKILGLNPGA  160
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 152969 AEI09 RS05650 WP 002866164.1  SFGSAKRWDASYFAKVALNFSQSHEILIFGAGKAEQELCNEIYQILKEQNIKVKNLCNKTTIKTLCQNIAFCDLFITNDS  240
NTDB id 1241 Cj1148 YP 002344539.1           SFGSAKRWDASYFAKVALNFSQSHDILIFGAGKAEQELCNEIYQILKEQNIKVKNLCNKTTIKTLCQNIAFCDLFITNDS  240
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 152969 AEI09 RS05650 WP 002866164.1  GPMHISTVYKKIKTVAIFGPTKFTQTSPWQNQNAKLVHLDLACMPCMQKTCPLKHHKCMKDLKPEKVIEEIKKLSTP...  316
NTDB id 1241 Cj1148 YP 002344539.1           GPMHLSAVYKVKTVAIFGPTKFTQTSPWQNENAKLVHLDLACMPCMQKTCPLKHHKCMKDLKPEKVIEQAKNLLKNSHL  319
consensus                                    !!!!*! !!!*!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!   ! !   ****
```

X non conserved

X similar

X $\geq$ 50% conserved