```
logo

NTDB id 20502 JHP RS03945 WP 000774433.1  MADLLSSLKNLSSSSGVYQYFDKNRQLLYIGKAKNLKKRIKSYFSVRNNEITPNPRTSLRVQMMVKQIAFLETILVENEQDALIL   85
NTDB id 1206 C694 RS04180 WP 000774319.1  MADLLSSLKNLPNSSGVYQYFDKNRQLLYIGKAKNLKKRIKSYFSIRNNEITPNHRASLRIQMMVKQIAFLETILVENEQDALIL   85
consensus                                 !!!!!!!!!!!* !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!! ! !!!*!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 20502 JHP RS03945 WP 000774433.1  ENSLIKQLKPKYNILLRDDKTYPYIYMDFSIDFPIPLITRKILKQPGVKYFGPFTSGAKDILDSLYELLPLVQKKNCIKDKKACM  170
NTDB id 1206 C694 RS04180 WP 000774319.1  ENSLIKQLKPKYNILLRDDKTYPYIYMDFSTDFPIPLITRKILKQPGVKYFGPFTSGAKDILDSLYELLPLVQKKNCIKDKKACI  170
consensus                                 !!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*

logo

NTDB id 20502 JHP RS03945 WP 000774433.1  FYQIERCKAPCEDKITKEEYLKIAKECLEMIENKDRLIKELELKMERLSSNLRFEEALIYRDRIAKIQKIAPFTCMDLAKLYDLD  255
NTDB id 1206 C694 RS04180 WP 000774319.1  FYQIERCKAPCENKITKEEYLKIAKECLEMIENKDRLIKELELKMERLSNNLRFEEALIYRDRIAKIQKIAPFTCMDLAKLYDLD  255
consensus                                 !!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 20502 JHP RS03945 WP 000774433.1  IFAFYGGNNKAVLVKMFMRGGKIISSAFEKIHSLNGFDTDEAMKQAIINHYQSHLPLMPEQILLSACSNETLKELQEFISHQYSK  340
NTDB id 1206 C694 RS04180 WP 000774319.1  IFAFYGASNKAVLVKMFMRGGKIISSAFEKIHSLNGFDTDEAMKQAIINHYQSHLPLMPEQILLNACSNETLKELQEFISHQYSK  340
consensus                                 !!!!!!* !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 20502 JHP RS03945 WP 000774433.1  KIALSIPKKGDKLALIEIAMKNAQEIFSQEKTSNEDRILEEARSLFNLECVPYRVEIFDTSHHSNSQCVGGMVVYENNAFQKDSY  425
NTDB id 1206 C694 RS04180 WP 000774319.1  KIALSIPKKGDKLALIEIAMKNAQEIFSQEKTSNEDLILEEARSLFKLECMPYRVEIFDTSHHSSSQCVGGMVVYENNAFQKNSY  425
consensus                                 !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!!!!! !!!*!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!! !!

logo

NTDB id 20502 JHP RS03945 WP 000774433.1  RRYHLKGSNEYDQMSELLTRRALDFAKEPPPNLWVIDGGRAQLNIALEILKSSGSFVEVIAISKEKRDSKAYRSKGGAKDIIHTI  510
NTDB id 1206 C694 RS04180 WP 000774319.1  RRYHLKGSDEYTQMSELLTRRALDFAKEPPPNLWVIDGGRAQLNIALEILKSSGSFVEVIAISKEKRDSKAYRSKGGAKDIIHTP  510
consensus                                 !!!!!!!! !! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*

logo

NTDB id 20502 JHP RS03945 WP 000774433.1  SHTFKLLPSDKRLQWVQKLRDESHRYAINFHRSTKLKNMKQIALLKEKGIGEASVKKLLDYFGSFEAIEKASDQEKNAVLKKRK  594
NTDB id 1206 C694 RS04180 WP 000774319.1  SDTFKLLPSDKRLQWVQKLRDESHRYAINFHRSTKLKNMKQIALLKEKGIGEASVKKLLDYFGSFEAIEKASEQEKNAVLKKRI  594
consensus                                 !*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!
```

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