```
logo

NTDB id 10 SA RS00435 WP 000815646.1        MKQVIGYLRQSTMKQQSLAAQKQAIEAIAEKHHIQHINFYSDKQSGRKDNRSGYRQMTQLIQQGQCDILCCYRLNRLHRN   80
NTDB id 365845 FF958 RS00320 WP 000816499.1 MKRAIGYLRQSTTKQQSLPAQKQAIELLAPKHNIQNIQYISDKQSGRTDNRTGYQQVTERIQQRQCDVLCCYRLNRLHRN   80
NTDB id 1 SACOL RS00225 WP 000806247.1      MKQAIGYLRQSTTKQQSLAAQKQTIEALAKKHNIQYITFYSDKQSGRTDKRNGYQQITELIQQGQCDVLCCYRLNRLHRN   80
consensus                                   !!**!!!!!!!!*!!!!!*!!!!*!!**! !!*!! !***!!!!!!*!*!*!!*!*!**!!!*!!!*!!!!!!!!!!!!

logo

NTDB id 10 SA RS00435 WP 000815646.1        LKNALKLIKLCQTYHVHILSVHDGYFDMDQAFDRFKLNIFISLAELESDNIGEQVRNGLQEKAKQGRLITTHAPFGYEYH  160
NTDB id 365845 FF958 RS00320 WP 000816499.1 LKNALKLMKLCQKYHVHILSVHDGYFDMDKAFDRLKLNIFMSLAELESDNIGEQVKNGLREKAKQGKLITTHAPFGYHYQ  160
NTDB id 1 SACOL RS00225 WP 000806247.1      LKNALKLMKLCQKYHVHILSVHDGYFDMDKAFDRLKLNIFISLAELESDNIGEQVKNGIKEKAKQGKMITTHAPFGYHYH  160
consensus                                   !!!!!!!*!!!!*!!!!!!!!!!!!!!!!!*!!!!*!!!!!*!!!!!!!!!!!!!!!!*!!*!!!!!!**!!!!!!!!!!*!*

logo

NTDB id 10 SA RS00435 WP 000815646.1        NGAFIINQNESPTVKAVFNYYIKGHGYKKIAQLLEEDNTYINRQPYQVRNIIINPNYCGRVNNQYGQFDNMFPSIVSTSI  240
NTDB id 365845 FF958 RS00320 WP 000816499.1 NGTFIINNDESPTVKAVFNYYLQGYGYKKIAQYLEDDNKLITRKPYQVRNIIMNPNYCGRVINQYGQYNNMVPPIVSATK  240
NTDB id 1 SACOL RS00225 WP 000806247.1      NGTFTIDTVKAPTVKAVFNYYLQGYGYKKIAQYLEADDKFINRKPYQVRNIILNPNYCGRVINQYGQYENMFPAIVSTTI  240
consensus                                   !!*!*!** **!!!!!!!!!!!**!*!!!!!!!*!!*!***!*!*!!!!!!!!*!!!!!!!!!*!!!!!!*!!*! !!!***

logo

NTDB id 10 SA RS00435 WP 000815646.1        YEQAQRLRSQKQIKQTSSDNQLKQKIKCPCCNTTLTNMTVRKKNHTLRYYVCPKNMNASRFVCDFKGINAQTLEDKVLEV  320
NTDB id 365845 FF958 RS00320 WP 000816499.1 YEHAQAIRNKKQLHCIPSENQLKQKIKCPCCDSTLTNMTIRKK.HTLRYYICPKNMNESRFVCSFKGINAQKLEVQVLAT  319
NTDB id 1 SACOL RS00225 WP 000806247.1      YEEAQVTRTQKPVKRKPSENQLKQKIKCPYCDSTLTNMTIRKKHHTLRYYVCPQNMNASRFVCEFKGINAQELETSVLAT  320
consensus                                   !! !! *!**!***  *!*!!!!!!!!!!*!**!!!!!!*!!! !!!!!!*!!*!!!*!!!!!*!!!!!!! !!  !!**

logo

NTDB id 10 SA RS00435 WP 000815646.1        CKDFYQNQRIYTKIKGAIDKRIKRQRNIEKFHTLTQEQLIEKLAQGIIDAETFREQTQSLRQQPQRTTSINGHQIQHTIQ  400
NTDB id 365845 FF958 RS00320 WP 000816499.1 CQNFFQNQQLYSKINNAIHQRLKKQRVIEAKSTLTQEQLIDKLAKGMIDAESFRKQTHLMNQKHKTISSISDNQLQTSLQ  399
NTDB id 1 SACOL RS00225 WP 000806247.1      CQDFFQNQQLYSKINHTIQQRLKRQRDIETKTTLNHEQLIEKLAQDKIDAETFREQTQSLRQQSKPISSISTYQIRKAFQ  400
consensus                                   !**!*!!!**!*!!* *! *!*!*!! !! **!!**!!!!*!!!**!!!!*!!*!!****!* * **!!*  !** **!

logo

NTDB id 10 SA RS00435 WP 000815646.1        NIIQKRFTLNILYPYIETIHITKDKNLIGIYFKNEPLNIVNQTMQSSIA   449
NTDB id 365845 FF958 RS00320 WP 000816499.1 KVIQKSFTLNMLHPYIDEIRITKNKALVGIYFKNEPLNIVNQTSQSSIA   448
NTDB id 1 SACOL RS00225 WP 000806247.1      NIIQQRFTLNMLYPYIDEINISKNKSLAGIYFKNEPLNIVKQTMELSIV   449
consensus                                   **!!**!!!!!*!*!!!**! !*!*! !*!!!!!!!!!!!!*!!***!!*
```

X non conserved

X similar

X $\geq$ 50% conserved