```
logo
NTDB id 168550 AL468 RS04670 WP 104973499.1   MKKALVFSLMSMATVAPIAQATQVLNGYWAYQEFLDQFPEQKQLTNALADAVRETPVPVERDKKRPLKISVVYPGQQISD   80
NTDB id 1163 A1552VC RS18030 WP 000823678.1   MKRKLISPLFLIAALFSSTGQADSLKGYWHYDEFLAEFPEQRPISELFAQTVRDKPSALTVAQEQPVIISVVYPGQQISD   80
consensus                                     !!* !* *!  *! * *       ! !!!*! !!!  !!!!****   !  !!* ! **      !* !!!!!!!!!!!!

logo

NTDB id 168550 AL468 RS04670 WP 104973499.1   YWIRNIDAFEQRLDKLDIDYQLNQVFTRPNADIKQQSLSLMEALKSNSDYLIFTLDTTRHRKFVEHVLDSKKTKLILQNI   160
NTDB id 1163 A1552VC RS18030 WP 000823678.1   YWVRNIKAFEKRMDALGIRYQINQVFTRPNLDTRQQSVSLMEALKNKSDYLIFTLDTTRHRKFIEHVLHSSETKLILQNI   160
consensus                                     !!*!!! !!! !*! ! ! !!*!!!!!!!! ! *!!!*!!!!!!!  !!!!!!!!!!!!!!!!!*!!!!*!  !!!!!!!!

logo

NTDB id 168550 AL468 RS04670 WP 104973499.1   TTPVRDWEDHQPFLYVGFDHAEGSRELAVEFGKRFPKQSHYSVLYFSEGYISDIRGNTFINQVNRDNNFELQSAYYTKAT   240
NTDB id 1163 A1552VC RS18030 WP 000823678.1   TTPVKDWQGKQPMMYIGFDHEYGAQLLAQYYQAHAP.KKPYSVLYFSEGYISEARGDTFIQDMNAVHHFPLASSYYTKAT   239
consensus                                     !!!!*!!  *!! *!*!!!!  !   !!  *  * !*   !!!!!!!!!!!!* !! !!!* *!  **!*! ! !!!!!!

logo

NTDB id 168550 AL468 RS04670 WP 104973499.1   KQSGYEAAKASLEKYPDVDFIYACSTDVALGAVDALKELGRDDVMINGWGGGSAELEALSKGELDVTVMRMNDDTGIAMA   320
NTDB id 1163 A1552VC RS18030 WP 000823678.1   EQSGYEATLNIVKNNPEIGFIYACATDVALGAAQALKELNRQDILVNGWGGGSAELEALAKGELDVTVMRMNDDTGVAMA   319
consensus                                      !!!!!!    *   !** !!!!! !!!!!!!  !!!!! ! !***!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!*!!!

logo

NTDB id 168550 AL468 RS04670 WP 104973499.1   EAIKWDLEGKHVPTVYSGDFEVVTKSDSPERIEALRKRAFRYSDN   365
NTDB id 1163 A1552VC RS18030 WP 000823678.1   EAIKWDLEGKSVPLVYSGDFEVVTKQDSAARIAELKARAFRYSDR   364
consensus                                     !!!!!!!!!!*!! !!!!!!!!!!! !!* !!  !* !!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved