```
logo

NTDB id 420 DQL23 RS10740 WP 008808031.1        .MKVLVLEDTIEHQVRIENVFEEISRELNLEIKA.KVTGKIHEFKEYVESDEVNQLYFLDIDIKGEEQKGLEMAQFIRQH   78
NTDB id 417 SGO RS10500 WP 008808031.1          .MKVLVLEDTIEHQVRIENVFEEISRELNLEIKA.KVTGKIHEFKEYVESDEVNQLYFLDIDIKGEEQKGLEMAQFIRQH   78
NTDB id 1110965 ACNR93 RS08260 WP 420543554.1   MIDIYVLEDNVNQQFRIERMIDELLDENQWDYRHFEIFSEPSHFPNF.VEESCPQIFFLDIDINGDNKKGIEVAKKIREK   79
NTDB id 545 H702 RS02385 WP 052071091.1         MIDIYVLEDNVNQQFRIEKMIGDLLETNQWETRHFDLFSEPDCLTNL.VEESFPQIFFLDIDIHGDNTKGIEVAKAIREK   79
NTDB id 542 H702 RS02345 WP 039696227.1         MLDIFILEDNITQQFRIERQIETIMERNHWEYQRLEAFAASKDIIKKADGQGNHQVFFLDLEIKGDEKQGLDVARSIREK   80
NTDB id 55 SMU RS08710 WP 002262114.1           MISIFVLEDDFLQQGRLETTIAAIMKEKNWSYKELTIFGKPQQLIDAIPEKGNHQIFFLDIEIKKEEKKGLEVANQIRQH   80
consensus                                       ** ***!!! * *! !*! ****** * *** *    ***           *   !**!!!**!**** *!***!  !!

logo

NTDB id 420 DQL23 RS10740 WP 008808031.1        NPYAIIVFVTSHSEFATLTFKYKVSALDFIDKDINDNSFKKRVKDCIVYTRNNLIENTDIVDFFEYSFRGNEIRIPFRDI  158
NTDB id 417 SGO RS10500 WP 008808031.1          NPYAIIVFVTSHSEFATLTFKYKVSALDFIDKDINDNSFKKRVKDCIVYTRNNLIENTDIVDFFEYSFRGNEIRIPFRDI  158
NTDB id 1110965 ACNR93 RS08260 WP 420543554.1   SRTATIVFVTTHSEFMLLTYRAQVSALDFIDKADEDNSIKINLKNCLRKVIEN.QALIMPQEFFVFENNKATIRIPMDEI  158
NTDB id 545 H702 RS02385 WP 052071091.1         SRTATIVFVTTHSEFMLLTYRAQVSALDFIDKTDKDDAIKDNLKKCLQKVFED.QGFNIPKEIFVFENNKTKIRIPLEDI  158
NTDB id 542 H702 RS02345 WP 039696227.1         DPTAIIVFVTTHSEFMLLTYQSLVGAIDFIDKNMNDEAFGGRIELCLKEALKY.QTGSFGENSYLFETAKARIRVAYDDI  159
NTDB id 55 SMU RS08710 WP 002262114.1           NPSAVIVFVTTHSEFMPLTFQYQVSALDFIDKSLNPEEFSHRIESALYYAMENSQKNGQSEELFIFHSSETQFQVPFAEI  160
consensus                                        **!*!!!!!*!!!!* !!**  !*!*!!!!! ***  ** *** **     * *  *   * ***      ***** *!

logo

NTDB id 420 DQL23 RS10740 WP 008808031.1        LYIETTGSPYKLRVVGKNFFKEFYGTIAEIQEQDKELGYFFSPHKSYLSNISNISGYDKKTKDVLYYDGHRSPISRLRVR  238
NTDB id 417 SGO RS10500 WP 008808031.1          LYIETTGSPYKLRVVGKNFFKEFYGTIAEIQEQDKELGYFFSPHKSYLSNISNISGYDKKTKDVLYYDGHRSPISRLRVR  238
NTDB id 1110965 ACNR93 RS08260 WP 420543554.1   LYFETAE.SHRLKLVTKSGQRNFYGSIKEVMAANQT...FFRSHKSYLINLDNVVCLDKKNSLVHFVGGQSCLVSKKYIK  234
NTDB id 545 H702 RS02385 WP 052071091.1         LYFETAE.SHRLKLITKTGQRHFYGSIKEVMQANQK...LFRCHKSYLINLNNIVRLDKKEGLVYFDDDKACYVSRKYIK  234
NTDB id 542 H702 RS02345 WP 039696227.1         LYFETSPTVHRVILHTKTGQTEFYGTIAEVAKSDKR...LLKCHRSFVINVNNVTEFDKSTRTAYFENGSYCQVSRDKVK  236
NTDB id 55 SMU RS08710 WP 002262114.1           LYFETSSTAHKLCLYTYDERIEFYGSMTDIVKMDKR...LFQCHRSFIVNPANITRIDRKKRLAYFRNNKSCLISRTKLT  237
consensus                                       !!*!!* * ********   **!!!** **   **     *  !*!***!* !**  !** * * *  *  * *!* ***

logo

NTDB id 420 DQL23 RS10740 WP 008808031.1        YLKEILKAKSKKEENKK   255
NTDB id 417 SGO RS10500 WP 008808031.1          YLKEILKAKSKKEENKK   255
NTDB id 1110965 ACNR93 RS08260 WP 420543554.1   ELKLKLCV.........   242
NTDB id 545 H702 RS02385 WP 052071091.1         DLRSKMENLK.......   244
NTDB id 542 H702 RS02345 WP 039696227.1         KLMAEMR..........   243
NTDB id 55 SMU RS08710 WP 002262114.1           KLRAVIADQRRAK....   250
consensus                                        !*  *
```

X non conserved
X similar
X ≥ 50% conserved