```
logo

NTDB id 1142505 DQL46 RS01610 WP 080606487.1  MTTFFDTIKRELIITAMALVVFLVIFFVFNLPYYAYFLGSGIMLFIMVIYWFIALSEFKKQQRLTSQLKVLEQEVQQLRS   80
NTDB id 8 SA RS13860 WP 000143425.1           .MTFLKSITQEIAIVIVIFALFGLMFYLYHLPLEAYLLALGVILLLLLIFIGIKYLSFVKTISQQQQIENLETALYQLKN   79
consensus                                     * !!  *!  !* !  *   *! **!****!!  !! !* !**! ***!*  !    ! !      !*  !!  * !!*

logo

NTDB id 1142505 DQL46 RS01610 WP 080606487.1  KQTQYQNDIESYFLTWVHQIKTPITASKLLLERNEDNVVNRVRQEIIQIDNYTSLALSYLKLMNHETDMSFTKVTVNELV   160
NTDB id 8 SA RS13860 WP 000143425.1           EQIEYKNDVESYFLTWVHQMKTPITAAQLLLERDEPNVVNRVRQEVIQIDNYTSLALSYLKLLNETSDISVTKISINNII   159
consensus                                      !  ! !!*!!!!!!!!!!*!!!!!!  !!!!! !*!!!!!!!!!!*!!!!!!!!!!!!!!!!!!*!* *!*! !!****! **

logo

NTDB id 1142505 DQL46 RS01610 WP 080606487.1  KPLIMKYSIQFIDQHTRIHYDCSDEEVLTDVQWASIMIEQILNNALKYARGKDIWLTFDKDINVLSIKDNGVGISTADLP   240
NTDB id 8 SA RS13860 WP 000143425.1           RPIIMKYSIQFIDQKTKIHYEPCHHEVLTDVRWTSLMIEQLINNALKYARGKDIWIEFDEQSNQLHVKDNGIGISEADLP   239
consensus                                     *!*!!!!!!!!!!!!*!*!!!* ***!!!!!! ! !*!!!!**!!!!!!!!!!!!!!* !!    ! !**!!!!*!!! !!!!
```

```
logo

NTDB id 1142505 DQL46 RS01610 WP 080606487.1  KIFDKGYSGYNGRLNEQSTGIGLFIVKHISNHIHHQVEVDSKLGQGTTFKIYFPKVDKMNEL   302
NTDB id 8 SA RS13860 WP 000143425.1           KIFDKGYSGYNGQRQSNSSGIGLFIVKQISTHTNHPVSVVSKQNEGTTFTIQFPDE......   295
consensus                                     !!!!!!!!!!!!  * *!*!!!!!!!!*!! ! *!*! ! !!   !!!! ! !!  ******
```

X non conserved

X similar

X ≥ 50% conserved