```
logo

NTDB id 183297 LLUC77 RS12430 WP 010906347.1  MKKNKKINPKLKWGISIGLIV.VALLALFYPTSYYVEMPGTTEPLGKMVKVEGKKDEHKGDFFLTTVQIARANLATMIYS   79
NTDB id 360 SMU RS02495 WP 002262039.1        ....MKTNKKFKWWLISGISLILLLMVFFFPLPYYLEMPGGAYDIRSVVTVNHKEDKEKGSYNFVAVSLSKATPIQVLYA   76
consensus                                     **** ! !*! !! *  !* *** !*  !*! *!!*!!!!   **  *! ! *! ! *!! *    ! * *! *  **!

logo

NTDB id 183297 LLUC77 RS12430 WP 010906347.1  HFNSFTSIYSEQEMTGGLNDAQFNRVNQFYMETAQNTAIYQAFKLANKPYELKYEGVYVLDIAKNSTFKNKLELADTITA   159
NTDB id 360 SMU RS02495 WP 002262039.1        WLTPFTEITSAKETTGGVSDADYMRINQFYMETSQNGAIYKALSLAHKKASFNYMGVYVLQVSRNSTFKGVLNIADTVTG   156
consensus                                     *  *!! ! !  ! !!!* !! * !*!!!!!!! !! !!! !  !!*!*    ! !!!!! * *!!!!!  ! *!!!*!*

logo

NTDB id 183297 LLUC77 RS12430 WP 010906347.1  VNGQQFTSSADMIAYVSKQKVGDSVTIEYTRIDGTKHKSTGKYIKIANGKTGIGISLVDHTEVVTTPKVTVNAGSIGGPS   239
NTDB id 360 SMU RS02495 WP 002262039.1        VNDKTFHSSKELIKYVSGLKLGSKVSVQYTSEN.KKKTAKGKVIKLSNGKNGIGIGLVDHTKVTSDDKIEFSTNGIGGPS   235
consensus                                     !!   !*!! **! !!!  !*!  !** !!   * !*   !! !!* !!! !!!! !!!!! ! * *!*      !!!!!

logo

NTDB id 183297 LLUC77 RS12430 WP 010906347.1  AGMMFTLEIYSQLTGKDLRNGREIAGTGTIEHDGSIGQIGGVDKKVATASKEGAKVFLVPDSGTKK.......ESSNNYL   312
NTDB id 360 SMU RS02495 WP 002262039.1        AGLMFTLDIYDQLVKEDLRKGRIIAGTGTIGEDGSVGDIGGADMKVAAADRINADIFFVPNNPVSKATLKKNPKALTNYQ   315
consensus                                     !!*!!!!*!! !!   !!! !! !!!!!!! *!!!*! !!! ! !!! ! *  ! *! !!  *  !*******    !!

logo

NTDB id 183297 LLUC77 RS12430 WP 010906347.1  GAKTAAKKLKTKMKIVPVKTIQDALDYLEK.   342
NTDB id 360 SMU RS02495 WP 002262039.1        EAKQAAKKLGTKMKIVPVKNVQEAIDYLRKH   346
consensus                                      !! !!!!! !!!!!!!!! *!*!*!!! !*
```

X non conserved

X similar

X $\geq$ 50% conserved