```
logo

NTDB id 1137596 DQL21 RS03855 WP 018029621.1  MGRGKLTPQDLEAMKTISINLQRLLSESGMKQSHVAAVLNIPTSSFNEYVKGKSLPKAGNIQKIADFFGLKKSDIDPRFS   80
NTDB id 405 SMU RS06370 WP 002262721.1        MGRGKLTPQDLEAMKAISANLQRLLAESGMKQSHLATILNIPTSSLNEYVKGKSLPKIGNIQKIADYFGLQKSDIDPRFA   80
consensus                                     !!!!!!!!!!!!!!! !! !!!!!! !!!!!!!!*! *!!!!!!! !!!!!!!!!!! !!!!!!!!*!!! !!!!!!!!

logo

NTDB id 1137596 DQL21 RS03855 WP 018029621.1  SENTSAILKQISALANQLEPERQKSLLDYCRHQVAEQQAQTKANAEP...SKSSKKKFAAYQYQEIVDKFIADEMASQDI   157
NTDB id 405 SMU RS06370 WP 002262721.1        SKKDSSTLDKINHIAKQLEMKRQIKVLDFCYQQSKEQDETASLSASDETTEDKVADKSNHTQYQKVVDSFIAKELNDQTI   160
consensus                                     !   !  !  ! **! !!!* !!  *!!*! *!  !!       ! ****      !  * !!! *!! !!! !*  ! !

logo

NTDB id 1137596 DQL21 RS03855 WP 018029621.1  IYLDHVRNAQDLYHAIGRHYENVVLYGEVSAGTGIWVGQERQETIQYPSPVPEHDLALKVNGNSMEPLFYDGDLVFVKKT   237
NTDB id 405 SMU RS06370 WP 002262721.1        IHWDNVIKAKDLYQTFGRQYENIQIYGEVSAGTGIWVGHEKQETIKYPIPIPEHDIALIVNGNSMEPLFYNGDVIFVKKT   240
consensus                                     !* !*!  ! !!!*  !!*!!!* *!!!!!!!!!!!!!*!*!!!! !! !*!!!!*!! !!!!!!!!!!! !!**!!!!!

logo

NTDB id 1137596 DQL21 RS03855 WP 018029621.1  KTIHHGQIIVVIVNNEAYVKKLYRKNKEIRLISLNPDYDDIILKKDDNIEIIGTVIT   294
NTDB id 405 SMU RS06370 WP 002262721.1        KAIHHGQIIVVIVNNEAYVKKLYRKNKEIRLISLNPDYDDIILKEDDTIEVIGTVIT   297
consensus                                     ! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !! !!*!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved