logo

```
NTDB id 401709 GFS31 RS14310 WP 198805453.1  .MDSLKALFSRKPRGVGIELAPDKVTLAQLKKQGNSLKLAALESVELPEGVYEEGQIIDSAAMADAIQALLTQSKVKVKR   79
NTDB id 1411 SGL RS10685 WP 010872897.1      MFSRFTSLFGRKSSGVGLEITPERVNVAQLTSQGQSYKLRKFGHASIPEGIFEEGKIVDSPALAEIIQELLSENGINTKQ   80
consensus                                    *       !! !!* !!!*!* !**! *!!!  !!*! !!    *  *!!!**!!! !*!!*!*!* !! !!*   * !
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logo

```
NTDB id 401709 GFS31 RS14310 WP 198805453.1  ATTAIPGR.AIAKIIPVPSELDDEELREMVLNQEASLYLPFPREEADVDYQKLGYFVDEDGIEKVKVLLVGVRKDLTDPY   158
NTDB id 1411 SGL RS10685 WP 010872897.1      VATAVPMREAIRMLPVPAELDENELRDMVLNHEAALYLPYPREEVDLDYQKLGLFEDEDGIEKVQVLLVATRREVTDSY   160
consensus                                      !!*! !*!! ***!!! !!!* !!!*!!!!*!! !!!!*!!!! !*!!!!!! ! !!!!!!!! !!!!* !***!!*!
```

logo

```
NTDB id 401709 GFS31 RS14310 WP 198805453.1  IDVFAQAGLGLNVLETSSFALIRTIREQLRQFTPQEAAAVVDIEFESTEISIVVDGVPHFSRTVPTGTFQIQSALSRAMN   238
NTDB id 1411 SGL RS10685 WP 010872897.1      LDTFQQAGLQVDVLEINSFALIRTIREQLRQFGSREAAAVLVDIEFDSTEIAIIVDGVPQFSRTVPIGTYQMQNALSRAMN   240
consensus                                    *! ! !!!! * !!!  !!!!!!!!!!!!!!! * !!! *!!!!!*!!!! !*!!!!!*!!!!!! !!*!*! !!!!!!!
```

logo

```
NTDB id 401709 GFS31 RS14310 WP 198805453.1  LPPSRNTELLQGMTVPVQSMDTVGAMQVGGGTNPGTTAMLRVLGELSDELRRSIDFYLNQEEDMEVAQLLLAGPGASIGQ   318
NTDB id 1411 SGL RS10685 WP 010872897.1      LPPSRNPEILQGMTIPVTQFDTMST..QGTAVNPGMNALMRVMGELTDELRRSINFYLNQSEELELVQLLLAGPGGGLIQ   318
consensus                                    !!!!!!*!*!!!!!*!!   !!*  ** ! * !!!  !**!!*!!!*!!!!!!! !!!!! !**!* !!!!!!!!* * !
```

logo

```
NTDB id 401709 GFS31 RS14310 WP 198805453.1  LDEFLAQRLSIPTSQIDPISALSLELTEDIPESQRAGLATVIGLGLREVM   368
NTDB id 1411 SGL RS10685 WP 010872897.1      LDEYFTQRLSIPTVKIDPFEALAIDTDQNFSDIERPSLATVLGLGIREA.   367
consensus                                    !!!*  !!!!!!!  !!!  !! **     **  !* !!!!*!!!*!! *
```

X non conserved
X similar
X ≥ 50% conserved