```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 37190 MCR RS04210 WP 003659761.1  ..............................................................................................................  0
NTDB id 1118 NGFG RS11455 WP 003696286.1  MFSFFRRKKKQETPALEEAQVQETAAKVESEVAQIVGNIKEDVESLAESVKGRAESAVETVSGAVEQVKETVAEMPSEAGEAAER  85
consensus                                 ******************************************************************************************

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 37190 MCR RS04210 WP 003659761.1  ........................MSENEKGGWFSRMKAGLSKSSKNLSEGLVNVLVGGKQIDDELLEEVEDQLLVADIGVNATN  61
NTDB id 1118 NGFG RS11455 WP 003696286.1  VESAKEAVAETVGEAVGQVQEAVATTEEHKLGWAARLKQGLAKSRDKMAKSLAGV.FGGGQIGEDLYEELETVLITGDMGMEATE  169
consensus                                 ************************ *! *! !!  !*! !! !!   *   !  !* !! !! **! !!*!  !* *!*!* !!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 37190 MCR RS04210 WP 003659761.1  RIIKNLTEQTARGDLIYSHALYKALKTELTDILTPKVAPLIIDTTKKPYVILMVGVNGVGKTTTIGKLAKRLQNEGKSVMLAAGD  146
NTDB id 1118 NGFG RS11455 WP 003696286.1  YLMKDVRGRVSLKGLKDGNELRGALKEALYDLIKPLEKPLVLPETKEPFVIMLAGINGAGKTTSIGKLAKYFQAQGKSVLLAAGD  254
consensus                                  **! *         !   * !  !!!  ! !** !   !!*** !! !*!!** !*!! !!!!*!!!!!!  !  !!!!*!!!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 37190 MCR RS04210 WP 003659761.1  TFRAAATEQLQIWGERNGIAVIAQGHGSDSASVIFDAMQSAKAKGIDVLIADTAGRLQNKTHLMNELEKVVRVMKKGDETAPHET  231
NTDB id 1118 NGFG RS11455 WP 003696286.1  TFRAAAREQLQAWGGRNNVTVISQTTG.DSAAVCFDAVQAAKARGIDIVLADTAGRLPTQLHLMEEIKKVKRVLQKAIPGAPHEI  338
consensus                                 !!!!!! !!!! !! !! * !! ! *!*!!! !*!!!*! !!!*!!!***!!!!!!!*   !!! !* !! !!* !* * !!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 37190 MCR RS04210 WP 003659761.1  MIVLDAGTGQNAINQVQVFSEAVNLTGISVTKLDGTAKGGVVFNIAQNTDIPIRFIGVGEGIDDLQPFKPKDFVDALLEKEE  313
NTDB id 1118 NGFG RS11455 WP 003696286.1  IVVLDANIGQNAVNQVKAFDDALGLTGLIVTKLDGTAKGGILAALASDRPVPVRYIGVGEGIDDLRPFDARAFVDALLD...  417
consensus                                 **!!!!  !!!!*!!!  ! *!* !!!* !!!!!!!!!!!!**  *!   **!*!*!!!!!!!!!! !! ** !!!!!!****
```

X non conserved

X similar

X $\geq$ 50% conserved