```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 187962 clem RS02660 WP 408606886.1  ..........................................................................................  0
NTDB id 1118 NGFG RS11455 WP 003696286.1    MFSFFRRKKKQETPALEEAQVQETAAKVESEVAQIVGNIKEDVESLAESVKGRAESAVETVSGAVEQVKETVAEMPSEAGEAAER  85
consensus                                   ******************************************************************************************

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 187962 clem RS02660 WP 408606886.1  ........................MPSSKEGFFARFKKGLSKTRQQFGDNIGRLLLGKKEIDAATLEDLETVLLSADLGIETSQ  60
NTDB id 1118 NGFG RS11455 WP 003696286.1    VESAKEAVAETVGEAVGQVQEAVATTEEHKLGWAARLKQGLAKSRDKMAKSLAGV.FGGGQIGEDLYEELETVLITGDMGMEATE  169
consensus                                   ************************ * *! !* !! ! !! !*!   *  ** ** !   !   * !*!!!!***!*!*! *

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 187962 clem RS02660 WP 408606886.1  IVLKQLIEELARKQLTDGNAVFQALKKRLEEILVICEKPLNPETPDKSPFVILTVGVNGAGKTTSIGKMAKQFQQQGKKVMLAAG  145
NTDB id 1118 NGFG RS11455 WP 003696286.1    YLMKDVRGRVSLKGLKDGNELRGALKEALYDLIKPLEKPLVL.PETKEPFVIMLAGINGAGKTTSIGKLAKYFQAQGKSVLLAAG  253
consensus                                    **! *   *  ! ! !!! *  !!!  ! *** **!!!! **** ! !!!!*  !*!!!!!!!!!!!*!! !! !!! !*!!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 187962 clem RS02660 WP 408606886.1  DTFRAAAVEQLQIWGERNQIPVIAQHTGADSASVIYDALQAAKARGIDVLIADTAGRLHTQGNLIEELKKVKRVMQKLDPGAPHE  230
NTDB id 1118 NGFG RS11455 WP 003696286.1    DTFRAAAREQLQAWGGRNNVTVISQTTG.DSAAVCFDAVQAAKARGIDIVLADTAGRLPTQLHLMEEIKKVKRVLQKAIPGAPHE  337
consensus                                   !!!!!!! !!!! !! !!***!! !*!!*!!! !**!!*!!!!!!!!***!!!!!!! !! *!*!!*!!!!!!*!!  !!!!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 187962 clem RS02660 WP 408606886.1  VMLVLDASIGQNALNQARQFHEAVGLTGIMMTKLDGTAKGGVLFAIANELGIPFRYLGMGEGIDDLRPFNASQFVRAIFNDDQI  314
NTDB id 1118 NGFG RS11455 WP 003696286.1    IIVVLDANIGQNAVNQVKAFDDALGLTGLIVTKLDGTAKGGILAALASDRPVPVRYIGVGEGIDDLRPFDARAFVDALLD....  417
consensus                                   ***!!!! !!!!!*!! * !**!*!!!!***!!!!!!!!!!*! !*! * **! !!*!*!!!!!!!!!! !  !! !*  ****
```

X non conserved

X similar

X $\geq$ 50% conserved