```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 357079 Psal134 RS14845 WP 069971666.1  ..........................................................................................  0
NTDB id 1118 NGFG RS11455 WP 003696286.1       MFSFFRRKKKQETPALEEAQVQETAAKVESEVAQIVGNIKEDVESLAESVKGRAESAVETVSGAVEQVKETVAEMPSEAG  80
consensus                                      ********************************************************************************

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 357079 Psal134 RS14845 WP 069971666.1  ......................MEKSNTNSNSEKKQGLFARLKSGLSKTRENLASGITTLLIGEKKIDDELLEDLETQLL  58
NTDB id 1118 NGFG RS11455 WP 003696286.1       EAAERVESAKEAVAETVGEAVGQVQEAVATTEEHKLGWAARLKQGLAKSRDKMAKSLAGV.FGGGQIGEDLYEELETVLI  159
consensus                                      **********************       *  !*! !  !!!! !! !*!* *!  *  ** !   ! **! !*!!! !*

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 357079 Psal134 RS14845 WP 069971666.1  MADVGIDATTHIITDLTKRLDRNELTDTQKAMEALKENLSSMLTPCSVPLEIPKSPDPFVILVVGVNGAGKTTTIGKLAK  138
NTDB id 1118 NGFG RS11455 WP 003696286.1       TGDMGMEATEYLMKDVRGRVSLKGLKDGNELRGALKEALYDLIKPLEKPLVLPETKEPFVIMLAGINGAGKTTSIGKLAK  239
consensus                                       *!*!**!! *** !*  !*    ! ! *    !!!! !  ** !*  !! *! ***!!!!** !*!!!!!!!*!!!!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 357079 Psal134 RS14845 WP 069971666.1  HYQNQGKSVMLAAGDTFRAAAVEQLQVWGERNDIPVVAQHTGADSASVIFDAYNSAKAHGCDILIADTAGRLHTQSNLME  218
NTDB id 1118 NGFG RS11455 WP 003696286.1       YFQAQGKSVLLAAGDTFRAAAREQLQAWGGRNNVTVISQTTG.DSAAVCFDAVQAAKARGIDIVLADTAGRLPTQLHLME  318
consensus                                      **! !!!!!*!!!!!!!!!!! !!!! !! !! **!* !*!!*!!! !*!!! * !!!*!*!!**!!!!!!! !! *!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 357079 Psal134 RS14845 WP 069971666.1  ELKKVKRVLGKVDNTAPHEVLLVLDSGTGQNAINQAEQFHHAVNVSGIVMTKLDGTAKGGVIFAIAKKMQLPIRYIGVGE  298
NTDB id 1118 NGFG RS11455 WP 003696286.1       EIKKVKRVLQKAIPGAPHEIIVVLDANIGQNAVNQVKAFDDALGLTGLIVTKLDGTAKGGILAALASDRPVPVRYIGVGE  398
consensus                                      !*!!!!!!! !  * !!!!***!!!   !!!!*!!   !**!* **!***!!!!!!!!!** !*!   **!*!!!!!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 357079 Psal134 RS14845 WP 069971666.1  KIDDLRPFKSDEFIEALFG  317
NTDB id 1118 NGFG RS11455 WP 003696286.1       GIDDLRPFDARAFVDALLD  417
consensus                                       !!!!!!!     !**!!
```

X non conserved

X similar

X $\geq$ 50% conserved