```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 27108 PING RS03290 WP 408635113.1   ..............................................................................................  0
NTDB id 1118 NGFG RS11455 WP 003696286.1    MFSFFRRKKKQETPALEEAQVQETAAKVESEVAQIVGNIKEDVESLAESVKGRAESAVETVSGAVEQVKETVAEMPSEAGEAAER  85
consensus                                   ******************************************************************************************

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 27108 PING RS03290 WP 408635113.1   ...........................................MTKTRLSIGSGLYSLFSGKKIDADLFEELEEQLILADIGVDTTLK  45
NTDB id 1118 NGFG RS11455 WP 003696286.1    VESAKEAVAETVGEAVGQVQEAVATTEEHKLGWAARLKQGLAKSRDKMAKSLAGVFGGGQIGEDLYEELETVLITGDMGMEATEY  170
consensus                                   ****************************************** !*!  **  !  *! !  !  !!*!!!!  !! *!*!** !

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 27108 PING RS03290 WP 408635113.1   IIDKLTAQANRKQLKDAEALYTLLKEDLSGILQEVEQPLVIDETKSPYVILMVGVNGVGKTTTIGKLAKKYQQQGKSVMLAAGDT  130
NTDB id 1118 NGFG RS11455 WP 003696286.1    LMKDVRGRVSLKGLKDGNELRGALKEALYDLIKPLEKPLVLPETKEPFVIMLAGINGAGKTTSIGKLAKYFQAQGKSVLLAAGDT  255
consensus                                   **  * *    ! !!!*  !   !!! !  ** **! !!!**!!! !*!!** !*!! !!!!*!!!!!! *! !!!!!*!!!!!!

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 27108 PING RS03290 WP 408635113.1   FRAAAVEQLQVWGERNNIPVIAQQTGSDSASVLFDAMDAAKARGIDVLIADTAGRLQNKEHLMDELSKVVRIMRKKDPSAPHEIM  215
NTDB id 1118 NGFG RS11455 WP 003696286.1    FRAAAREQLQAWGGRNNVTVISQTTG.DSAAVCFDAVQAAKARGIDIVLADTAGRLPTQLHLMEEIKKVKRVLQKAIPGAPHEII  339
consensus                                   !!!!! !!!! !! !!!**!! ! !!*!!! !*!!!* !!!!!!!!***!!!!!!!*   !!!*!* !! !** !  ! !!!!!*

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 27108 PING RS03290 WP 408635113.1   LTIDASTGQNAISQADLFNKAVGITGITLTKLDGTAKGGVIFSIADKYKLPIRYIGTGEGIDDLREFNAREFIDALFSKEEEIE  299
NTDB id 1118 NGFG RS11455 WP 003696286.1    VVLDANIGQNAVNQVKAFDDALGLTGLIVTKLDGTAKGGILAALASDRPVPVRYIGVGEGIDDLRPFDARAFVDALLD......  417
consensus                                   * *!!  !!!!* !   !  !*!*!!* *!!!!!!!!!!**  *!   **!*!!!! !!!!!!!!*! !! !*!!!  ******
```

X non conserved

X similar

X $\geq$ 50% conserved