```
NTDB id 373703 FNZ07 RS15435 WP 091009605.1  MFSFFKRFKGSKAPDAAVEE...SAEARESAVPEAPAAARPS.DPAPRPA...AAPAQPAASAPVAAAEARKPEPEFESE   73
NTDB id 1118 NGFG RS11455 WP 003696286.1     MFSFFRRKKKQETPALEEAQVQETAAKVESEVAQIVGNIKEDVESLAESVKGRAESAVETVSGAVE..QVKETVAEMPSE   78
consensus                                    !!!!!*! !   !      ****!   !! !*  **  ** *** * * ***! *! *  !**! **  * * *! *!!
```

```
NTDB id 373703 FNZ07 RS15435 WP 091009605.1  PE.....FEP...EPDETALEAVEIVP.PPVPEPAAKKSWLTRLKTGLSKT....SSSLTGIFVGARIDEDLYEELEAAL  140
NTDB id 1118 NGFG RS11455 WP 003696286.1     AGEAAERVESAKEAVAETVGEAVGQVQEAVAITEEHKLGWAARLKQGLAKSRDKMAKSLAGVFGGGQIGEDLYEELETVL  158
consensus                                    * ***** !**** * !!   !!!   !**** * * *!   !   !!! !! !*****  !! !*! !* ! !!!!!!!!   !
```

```
NTDB id 373703 FNZ07 RS15435 WP 091009605.1  LMSDAGVEATEFLLESLREKVRAERLTDPQQVKSALRTLLVDLLKPLEKSLMLGR.AQPLVMMIAGVNGAGKTTSIGKLA  219
NTDB id 1118 NGFG RS11455 WP 003696286.1     ITGDMGMEATEYLMKDVRGRVSLKGLKDGNELRGALKEALYDLIKPLEKPLVLPETKEPFVIMLAGINGAGKTTSIGKLA  238
consensus                                    *  ! !*!!!!*!*  *! *!    ! !** ** !!*  ! !!*!!!!!*!*!* *  ! !*!*!!*!!!!!!!!!!!!!!
```

```
NTDB id 373703 FNZ07 RS15435 WP 091009605.1  KHLQRFDQSVLLAAGDTFRAAAREQLAIWGERNNVTVVSQESGDPAAVIFDAVGAARARKIDVLMADTAGRLPTQLHLME  299
NTDB id 1118 NGFG RS11455 WP 003696286.1     KYFQAQGKSVLLAAGDTFRAAAREQLQAWGGRNNVTVISQTTGDSAAVCFDAVQAAKARGIDIVLADTAGRLPTQLHLME  318
consensus                                    !* !    !!!!!!!!!!!!!!!!!!  !! !!!!!!*!! *!!*!!!*!!!! !!*!! !!***!!!!!!!!!!!!!!!!
```

```
NTDB id 373703 FNZ07 RS15435 WP 091009605.1  ELRKVKRVIGKALDGAPHEVLLVIDANTGQNALAQVKAFDDALGLTGLIVTKLDGTAKGGILAAIARQRPVPVYFIGVGE  379
NTDB id 1118 NGFG RS11455 WP 003696286.1     EIKKVKRVLQKAIPGAPHEIIVVLDANIGQNAVNQVKAFDDALGLTGLIVTKLDGTAKGGILAALASDRPVPVRYIGVGE  398
consensus                                    !**!!!!!* !!**!!!!!***!*!!! !!!!* !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!  !!!!! *!!!!!
```

```
NTDB id 373703 FNZ07 RS15435 WP 091009605.1  KVEDLQPFSAEEFADALLDN   399
NTDB id 1118 NGFG RS11455 WP 003696286.1     GIDDLRPFDARAFVDALLD.   417
consensus                                     **!! !! !  ! !!!!!*
```

X non conserved

X similar

X ≥ 50% conserved