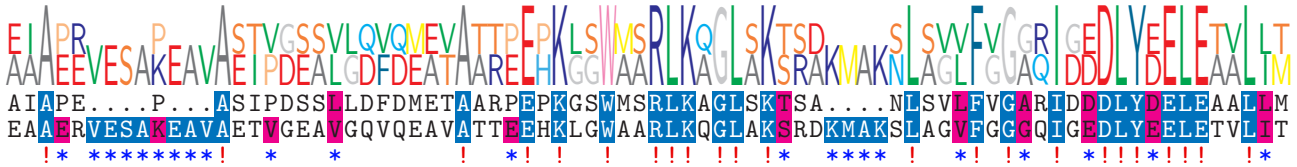
```
NTDB id 351540 E1742 RS20895 WP 134387058.1  MFSFFKKKPVTP..DVPAPSVPAP.....................................................AIPESAP   29
NTDB id 1118 NGFG RS11455 WP 003696286.1     MFSFFRRKKKQETPALEEAQVQETAAKVESEVAQIVGNIKEDVESLAESVKGRAESAVETVSGAVEQVKETVAEMPSEAG   80
consensus                                    !!!!!**!*  *** ** * !* ************************************************ *!  !*
```




```
NTDB id 351540 E1742 RS20895 WP 134387058.1  AIAPE....P...ASIPDSSLLDFDMETAARPEPKGSWMSRLKAGLSKTSA....NLSVLFVGARIDDDLYDELEAALLM   98
NTDB id 1118 NGFG RS11455 WP 003696286.1     EAAERVESAKEAVAETVGEAVGQVQEAVATTEEHKLGWAARLKQGLAKSRDKMAKSLAGVFGGGQIGEDLYEELETVLIT  160
consensus                                      !* ********!  *   *        !  *! !  !  !!! !! !*  **** !  *! !* ! *!!!*!!!  !*
```

```
NTDB id 351540 E1742 RS20895 WP 134387058.1  SDAGMDATTYLLDALKRKVKEDKLLDAAAVKGALKELMTDLLRPLEKSFELGR.HQPTVMMISGVNGAGKTTTIGKLAKH  177
NTDB id 1118 NGFG RS11455 WP 003696286.1     GDMGMEATEYLMKDVRGRVSLKGLKDGNELRGALKEALYDLIKPLEKPLVLPETKEPFVIMLAGINGAGKTTSIGKLAKY  240
consensus                                     ! !!*!! !!*  ** *!    ! !*  **!!!!! * !!**!!!!*  !* ** ! !*!* !*!!!!!!!*!!!!!!*
```

```
NTDB id 351540 E1742 RS20895 WP 134387058.1  MQAHGQSVLLAAGDTFRAAAREQLMVWGQRNNVTVVSQESGDPAAVSFDAVQSGKAKGTNVVMIDTAGRLPTQLHLMEEL  257
NTDB id 1118 NGFG RS11455 WP 003696286.1     FQAQGKSVLLAAGDTFRAAAREQLQAWGGRNNVTVISQTTGDSAAVCFDAVQAAKARGIDIVLADTAGRLPTQLHLMEEI  320
consensus                                     !!*! !!!!!!!!!!!!!!!!!!  !! !!!!!!*!! *!!*!!!*!!!!! *!!*!  *!* !!!!!!!!!!!!!!!*
```

```
NTDB id 351540 E1742 RS20895 WP 134387058.1  KKIKRVIGKGMDGAPHETLLVIDGNTGQNALAQVKAFDDALALTGLIITKLDGTAKGGVIAAIARVRPVPVYFIGIGEKI  337
NTDB id 1118 NGFG RS11455 WP 003696286.1     KKVKRVLQKAIPGAPHEIIVVLDANIGQNAVNQVKAFDDALGLTGLIVTKLDGTAKGGILAALASDRPVPVRYIGVGEGI  400
consensus                                    !!*!!!* !***!!!!! **!*!*! !!!!* !!!!!!!!!*!!!!*!!!!!!!!!!**!!*!  !!!!! *!!*!! !
```

```
NTDB id 351540 E1742 RS20895 WP 134387058.1  EDLQPFNAAEFVEALLG   354
NTDB id 1118 NGFG RS11455 WP 003696286.1     DDLRPFDARAFVDALLD   417
consensus                                    *!! !! !  !!*!!!
```

X non conserved
X similar
X ≥ 50% conserved