logo



```
NTDB id 65726 QUF32 RS03505 WP 222724828.1  MLTPSKLTLIAGCLFTACGQASMTIEPDPNNPNGYLVSRVELNAAEQAKTANPMYAIWAKALQTQPNSVVEAIEPGLASNPGNVQ   85
NTDB id 1299 VP RS02975 WP 005483021.1      MFALKHLPIALSCVLAAQANASMNIQPDPQNPNGYVIARGDVQAMEQSKTSDPMYAIWSQALETRPNSVVEAIVPGAATNPENVK   85
consensus                                   !  * *!**   !*  !***!!! ! !!!*!!!!!** ! ***! !! !!  !!!!!! !! ! !!!!!!!! !! !*!! !!
```

logo



```
NTDB id 65726 QUF32 RS03505 WP 222724828.1  RVERVFPQSEWDYLTHMAAPEYTYTRFLRAIGKFPAFCGDYTDGRDADAICKKSIVTAFAHFSQETGGHIAKDNVSDNPLALEEW   170
NTDB id 1299 VP RS02975 WP 005483021.1      RVERVFPESEWDFLTQMAAPEYTYTRFLRAIGKFPAFCGEYTDGRDSDAICKKSIVTAFAHFAQETGGHISIDNVSDNPLGLEEW   170
consensus                                   !!!!!!! !!!!*!!*!!!!!!!!!!!!!!!!!!!!*!!!!!! !!!!!!!!!!!!!! !!!!!!!   !!!!!!!!*!!!!
```

logo



```
NTDB id 65726 QUF32 RS03505 WP 222724828.1  QQALVHVREMGWSEGQEGYTTGCGQNDWQNARWPCAAGQGYFGRGAKQLSYHFNYGAFSEAMFDGDATVLLNNPGLVADSWLNLA   255
NTDB id 1299 VP RS02975 WP 005483021.1      QQALVHVREMGWSEGQEGYTTGCGQNDWQNKRWPCEPGQGYFGRGAKQLSYHFNYGAFSEVMFDGDASVLLKNPGLVADSWLNLA   255
consensus                                   !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!! *!!!!!!!!!!!!!!!!!!!!!! !!!!!!*!!! !!!!!!!!!!!!!
```

logo



```
NTDB id 65726 QUF32 RS03505 WP 222724828.1  SAIWFFLTPQAPKPAMLHVIDRTWVPSQREIDAGIGYGFGTTINVINGGIECGEQNKDKGQPVNRIRYWEGLAEHYQIPQQPDEK   340
NTDB id 1299 VP RS02975 WP 005483021.1      SAIWFFLTPQAPKPAMLHVIDRTWVPSQRELDAGIGYGFGTTINVINGGIECGEQNKDKGQPVNRIRYWEGLAAHYQIPIEADEK   340
consensus                                   !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 65726 QUF32 RS03505 WP 222724828.1  NTCWQQTPYGSLNLNGATDVLYTNWDGNWKYYPDRPGGYSFECELVGFQTAYSALVEGDYEKCVTNFYGSHANWPQVRMVEKLEP   425
NTDB id 1299 VP RS02975 WP 005483021.1      NTCWQQTPYGSLNLNGATDVLYTNWDGNWKYYSDRPGGHSFECELVGFQTAYSALVAGDYEKCVTNFYQSHAGWPEVRVVDKLDP   425
consensus                                   !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo

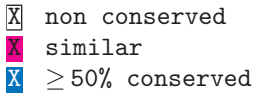


```
NTDB id 65726 QUF32 RS03505 WP 222724828.1  SDPGTDP..GSNVWDKNAVYNAGDQVVWNGATYEAKWWTQGDDPANGGPWLLVSGTQPTPEPTPEPAP.................T   492
NTDB id 1299 VP RS02975 WP 005483021.1      VDPVDPPVGGVAAWDSGKVYNTGDQVSYQGAVYEAKWWSQGNEPTKGDPWKLVSGTPTEPPTTEPEPPVTEPEPPVTEPEPPVTE   510
consensus                                    !!  *!**!   !!   !!! !!!! **!! !!!!!!*!! *!  ! !! !!!!!** !**!****!****************
```

logo



```
NTDB id 65726 QUF32 RS03505 WP 222724828.1  PEPQPTPDPVPDTGSFLEWQPGVSQVANGDKVTYNGRCFIAKNGPGVWETPVQSNWFWDEISCQ   556
NTDB id 1299 VP RS02975 WP 005483021.1      PEPPVTEPVPPVTGSFIQWEPGVTQVANGDKVTYQNKCFVAKNGPGVWESPTQSNWFWDEISCQ   574
consensus                                   !!!**!****! !!!!* ! !!!*!!!!!!!!!* *!!*!!!!!!!!!*! !!!!!!!!!!!!
```


X non conserved
X similar
X ≥ 50% conserved