logo



```
NTDB id 80339 AK40 RS28560 WP 001136280.1  MPQQKNFVTMPAQHQNKQPGIESLMNPLPQFEDPNYKGSEKLKGKNVLITGGDSGIGRAVSIAFAKEGANIAIAYLDEEGDANET   85
NTDB id 122 BSU 10400 NP 388921.1          .MANQKKKTLPPQHQNQQPGFEYLMDPRPVFDKPK..KAKKLEGKTAIITGGDSGIGRAVSVLFAKEGANVVIVYLNEHQDAEET   82
consensus                                  ** *     !*!*!!!! !!! ! !! ! ! !* ! **   !! !!  *!!!!!!!!!!!!!!* !!!!!!!* ! !! !* !! !!
```

logo



```
NTDB id 80339 AK40 RS28560 WP 001136280.1  KQYVEKEGVKCVLLPGDLSDEQHCKDIVQETVRQLGSLNILVNNVAQQYPQQGLEYITAEQLEKTFRINIFSYFHVTKAALSHLK   170
NTDB id 122 BSU 10400 NP 388921.1          KQYVEKEGVKCLLIAGDVGDEAFCNDVVGQASQVFPSIDILVNNAAEQHVQPSIEKITSHQLIRTFQTNIFSMFYLTKAVLPHLK   167
consensus                                  !!!!!!!!!!!*!**!!* !! *! !*!       *!* !!!!! ! !**!* *! !! *!! *!!  !!!! !**!!! !*!!!
```

logo



```
NTDB id 80339 AK40 RS28560 WP 001136280.1  QGDVIINTASIVAYEGNETLIDYSATKGAIVAFTRSLSQSLVQKGIRVNGVAPGPIWTPLIPSSFDEKKVSQFGSNVPMQRPGQP   255
NTDB id 122 BSU 10400 NP 388921.1          KGSSIINTASITAYKGNKTLIDYSATKGAIVTFTRSLSQSLVQQGIRVNAVAPGPIWTPLIPASFAAKDVEVFGSDVPMERPGQP   252
consensus                                   !  !!!!!!! !! !! !!!!!!!!!!!!!! !!!!!!!!!!! !!!!!*!!!!!!!!!!!!! !!  ! !  !!! !!! !!!!!
```

logo



```
NTDB id 80339 AK40 RS28560 WP 001136280.1  YELAPAYVYLASSDSSYVTGQMIHVNGGVIVNG   288
NTDB id 122 BSU 10400 NP 388921.1          VEVAPSYLYLASDDSTYVTGQTIHVNGGTIVNG   285
consensus                                   !*!! !*!!!! !!*!!!!! !!!!!! !!!!
```

X non conserved

X similar

X ≥ 50% conserved