```
logo

NTDB id 475 HSISS4 RS07005 WP 021143809.1     MKKSKWLALAGVALLSVGALAACSSKSSTSGTTYGYVYNSDPESLDYITSNTGPTKTAVTNGVDGLMEADKYGNLVPSVA   80
NTDB id 324 STU RS16140 WP 011226306.1        MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVA   80
NTDB id 1130567 H0503 RS06740 WP 111679665.1 MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVA   80
NTDB id 292 STER RS06940 WP 011681419.1      MKKSKWLALAGVALLGVGVLAACSSKSNTSGTTYGYVYSSDPETLDYITSNTGPTKSVVTNGVDGLMEADKYGNLVPSVA   80
consensus                                    !!!!!!!!!!!!!!!!*!!*!!!!!!!!*!!!!!!!!!!*!!!!*!!!!!!!!!!!!!**!!!!!!!!!!!!!!!
```

```
logo
NTDB id 475 HSISS4 RS07005 WP 021143809.1      ATLNAANAAAEDWDISNGVIWGPDYQDPSTYLDIFKTTSSENTKTFMGYDDPNNAAAAQVGLKDYDALLDSAASETTDLN   560
NTDB id 324 STU RS16140 WP 011226306.1         VTLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLN   560
NTDB id 1130567 H0503 RS06740 WP 111679665.1   ATLNAANAAAEDWDISNSVAWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLN   560
NTDB id 292 STER RS06940 WP 011681419.1        ATLNAANAAAEDWDISNSVGWAPDYQDPSTYLDIFKTTSSENTKAFMGYDDPNNAAAAQVGLKDYDALLNSAASETSDLN   560
consensus                                      *!!!!!!!!!!!!!!!!!*!*!*!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!*!!!
```

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logo
NTDB id 475 HSISS4 RS07005 WP 021143809.1      ARYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASMQVGDKNS.SDYFKYVKPQEKVVTKKEYEQSREKWLKE   639
NTDB id 324 STU RS16140 WP 011226306.1         VRYDRYAQAQAWLEDSSLVIPLTVGNGAAPAISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKE   640
NTDB id 1130567 H0503 RS06740 WP 111679665.1   VRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKE   640
NTDB id 292 STER RS06940 WP 011681419.1        VRYDRYAQAQAWLEDSSLVIPLTVGNGAAPVISRLTPFTGASLQVGDKNSSNDYIKYVKPQEKVVTKKEYEQSREKWLKE   640
consensus                                      *!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!*!!!!!!!**!!*!!!!!!!!!!!!!!!!!!!!!!!!!
```

```
logo
NTDB id 475 HSISS4 RS07005 WP 021143809.1      KKASNEKAQKDLEKHVK   656
NTDB id 324 STU RS16140 WP 011226306.1         KKESNEKAQKDLEKHVK   657
NTDB id 1130567 H0503 RS06740 WP 111679665.1   KKESNEKAQKDLEKHVK   657
NTDB id 292 STER RS06940 WP 011681419.1        KKESNEKAQKDLEKHVK   657
consensus                                      !!*!!!!!!!!!!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved