```
logo
                                                  MNWLNQHKKAIILAASAAVFTAIMIFLATGKNKEPVKQAVPTETENTVVKQEANNDESNETIVIDIKGAVQHPGVYEMRT
NTDB id 105 BSU 25590 NP 390437.1                 MNWLNQHKKAIILAASAAVFTAIMIFLATGKNKEPVKQAVPTETENTVVKQEANNDESNETIVIDIKGAVQHPGVYEMRT    80
NTDB id 1362 HI 1008 AAC22669.1                   ..................................................................................     0
NTDB id 210790 BSQ33 RS14765 WP 021020077.1       ..................................................................................     0
NTDB id 1159 ABDM36 RS04765 WP 001166105.1        ..................................................................................     0
NTDB id 1150 A1552VC RS08580 WP 001166105.1       ..................................................................................     0
NTDB id 1294 VP RS04495 WP 021449594.1            ..................................................................................     0
NTDB id 1395 DSB67 RS04445 WP 010649155.1         ..................................................................................     0
consensus
```

```
logo
                                                  GDRVSQAIEKAGGTSEQADEAQVNLAEILQDGTVVYIPKKGEETAVQQ.......GGGGSVQSDGGKGALVNINTATLEE   153
NTDB id 105 BSU 25590 NP 390437.1
NTDB id 1362 HI 1008 AAC22669.1                   ..................MKTLFTS..VVLC.GALVVSSSFAEEKATXQTAQSVVTTQAEAQVAPAVVSDKLNINTATASE    60
NTDB id 210790 BSQ33 RS14765 WP 021020077.1       ................MLKLLLLSVLSVVC.LPLQTVYAATGE.PASV.............TPLESQANIVNINSATAEE    49
NTDB id 1159 ABDM36 RS04765 WP 001166105.1        ...............MQIKTKIVTLFLSLC.LPTLPLLANAEETAPAA.............QVEEGIVITVNINTASAEE    51
NTDB id 1150 A1552VC RS08580 WP 001166105.1       ...............MQIKTKIVTLFLSLC.LPTLPLLANAEETAPAA.............QVEEGIVITVNINTASAEE    51
NTDB id 1294 VP RS04495 WP 021449594.1            ......................MKWILTLC.LVVFAPLSLAA..DTKA.............DKYEGIEITVNINTASAEE    42
NTDB id 1395 DSB67 RS04445 WP 010649155.1         ......................MKWMLTLC.LLILAPMSWAE.TKTKA.............DKYEGIEITVNVNSATAQE    43
consensus                                                   **   *** **** * ** **  *****  *                 *** ***!*!*!***!
```

```
logo
                                                  LQG.ISGVGPSKAEAILAYREENGRFQTIEDITKVSGIGEKSFEKIKSSITVK   205
NTDB id 105 BSU 25590 NP 390437.1
NTDB id 1362 HI 1008 AAC22669.1                   IQKSLTGIGAKKAEAIVQYREKHGNFXNAEQLLEVQGIGKATLEKNRDRIIF.   112
NTDB id 210790 BSQ33 RS14765 WP 021020077.1       LATVLSGIGLKKAQALVNYREEHGPFAQVEDVTAVKGIGMSLVERNRSRISL.   101
NTDB id 1159 ABDM36 RS04765 WP 001166105.1        LATLLKGIGLKKAQAIVDYREANGPFTHIDDLTNVKGIGEATVRNNAARILL.   103
NTDB id 1150 A1552VC RS08580 WP 001166105.1       LATLLKGIGLKKAQAIVDYREANGPFTHIDDLTNVKGIGEATVRNNAARILL.   103
NTDB id 1294 VP RS04495 WP 021449594.1            IATMLKGIGEKKAQSIVDYRTEHGPFKTAADLTNVKGIGEATIKKNEDRILL.    94
NTDB id 1395 DSB67 RS04445 WP 010649155.1         IATLLIGIGEKKAQDIVEYRNEHGPFKTAADLTKVKGIGEATVRKNEDRILL.    95
consensus                                         ***** !*! *!!*****!!***!*!  ***** !*!!!*******  *!**
```

X non conserved

X similar

X $\geq$ 50% conserved