```
logo
                                                  MVLLYQFLLRYKDFLTQWKLYIISAVVLIMVLIGFIFWRQDDYTSRNFENKDTALKQSTSENNSLSKLEDVQVKDGDNSK
NTDB id 20 SA RS08005 WP 001802022.1              MVLLYQFLLRYKDFLTQWKLYIISAVVLIMVLIGFIFWRQDDYTSRNFENKDTALKQSTSENNSLSKLEDVQVKDGDNSK    80
NTDB id 36 MW RS08230 WP 001793467.1              MVLLYQFLLRYKDFLTQWKLYIISAVVLIMVLIGFIFWRQDDYTSRNFENKDNALKQSTSENSSLSKVEDVQVKDGDNSK    80
NTDB id 229411 CA923 RS04065 WP 010946546.1      ..........................................................................................     0
NTDB id 1272 LPP RS04360 WP 010946546.1          ..........................................................................................     0
NTDB id 1249 GC085 RS04230 WP 010946546.1        ..........................................................................................     0
NTDB id 1362 HI 1008 AAC22669.1                  ..........................................................................................     0
consensus
```

```
logo
                                                  NKGPVYVDVKGAVKHPNVYKMTSKDRVVDLLDKAQLLDDADVSRINLSEKLTDQKMIFIPHKGQKNVEPQIE.......V
NTDB id 20 SA RS08005 WP 001802022.1              NKGPVYVDVKGAVKHPNVYKMTSKDRVVDLLDKAQLLDDADVSRINLSEKLTDQKMIFIPHKGQKNVEPQIE.......V   153
NTDB id 36 MW RS08230 WP 001793467.1              NKGPVYVDVKGAVKHPNVYKMTSKDRVVDLLDKAQLLEDADVSQINLSEKLTDQKMIFIPHKGQKNVEPQIG.......V   153
NTDB id 229411 CA923 RS04065 WP 010946546.1      .......................MKARLIAIL.....LS..................FIVIPFSSQAENE............    24
NTDB id 1272 LPP RS04360 WP 010946546.1          .......................MKARLIAIL.....LS..................FIVIPFSSQAENE............    24
NTDB id 1249 GC085 RS04230 WP 010946546.1        .......................MKARLIAIL.....LS..................FIVIPFSSQAENE............    24
NTDB id 1362 HI 1008 AAC22669.1                  .......................MKTLFTSVV.....LC..................GALVVSSSFAEEKATXQTAQSVVTT    36
consensus                                                               *! *** **     !                  **** ***** *
```

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logo
                                                  NSVHVKNGNTNNTKVNLNTASVSEL.MSVPGVGQAKANAIVEYRNQQGAFQEIDDLKKVKGFGSKTFDKLKSYFTI....
NTDB id 20 SA RS08005 WP 001802022.1              NSVHVKNGNTNNTKVNLNTASVSEL.MSVPGVGQAKANAIVEYRNQQGAFQEIDDLKKVKGFGSKTFDKLKSYFTI....   228
NTDB id 36 MW RS08230 WP 001793467.1              NSVHVKNGNTNNTKVNLNTASVSEL.MSVPGVGQAKANAIVEYRNQQGAFQEIDDLKKVKGFGSKTFDKLKSYFTI....   228
NTDB id 229411 CA923 RS04065 WP 010946546.1      PQKTPAKQVLVKGKINLNTADVYSLTGSFKGIGKKRAEAIIAYRENHQGFKSLEELAEVKGIGQRFVDKNREKLKEIFVI   104
NTDB id 1272 LPP RS04360 WP 010946546.1          PQKTPAKQVLVKGKINLNTADVYSLTGSFKGIGKKRAEAIIAYRENHQGFKSLEELAEVKGIGQRFVDKNREKLKEIFVI   104
NTDB id 1249 GC085 RS04230 WP 010946546.1        PQKTPAKQVLVKGKINLNTADVYSLTGSFKGIGKKRAEAIIAYRENHQGFKSLEELAEVKGIGQRFVDKNREKLKEIFVI   104
NTDB id 1362 HI 1008 AAC22669.1                  QAEAQVAPAVVSDKLNINTATASEIQKSLTGIGAKKAEAIVQYREKHGNFXNAEQLLEVQGIGKATLEKNRDRIIF....   112
consensus                                                **  !*!*!!! *  *  !  !*! **!*!!* !!*** *!  ***! *!*!*! * **!*****
```

```
logo
                                                  N
NTDB id 20 SA RS08005 WP 001802022.1              .    228
NTDB id 36 MW RS08230 WP 001793467.1              .    228
NTDB id 229411 CA923 RS04065 WP 010946546.1      N    105
NTDB id 1272 LPP RS04360 WP 010946546.1          N    105
NTDB id 1249 GC085 RS04230 WP 010946546.1        N    105
NTDB id 1362 HI 1008 AAC22669.1                  .    112
consensus
```

X non conserved
X similar
X $\geq$ 50% conserved