```
logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 20 SA RS08005 WP 001802022.1          MVLLYQFLLRYKDFLTQWKLYIISAVVLIMVLIGFIFWRQDDYTSRNFENKDTALKQSTSENNSLSKLEDVQVKDGDNSK    80
NTDB id 36 MW RS08230 WP 001793467.1          MVLLYQFLLRYKDFLTQWKLYIISAVVLIMVLIGFIFWRQDDYTSRNFENKDNALKQSTSENSSLSKVEDVQVKDGDNSK    80
NTDB id 184374 A9E88 RS03995 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
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 20 SA RS08005 WP 001802022.1          NKGPVYVDVKGAVKHPNVYKMTSKDRVVDLLDKAQLLDDADVSRINLSEKLTDQKMIFIPHKGQKNVEPQIE.......V   153
NTDB id 36 MW RS08230 WP 001793467.1          NKGPVYVDVKGAVKHPNVYKMTSKDRVVDLLDKAQLLEDADVSQINLSEKLTDQKMIFIPHKGQKNVEPQIG.......V   153
NTDB id 184374 A9E88 RS03995 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..................GALVVSSFAEEKATXQTAQSVVTT    36
consensus                                                            *! *** **      !                   **** ***** *

logo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 20 SA RS08005 WP 001802022.1          NSVHVKNGNTNNTKVNLNTASVSEL.MSVPGVGQAKANAIVEYRNQQGAFQEIDDLKKVKGFGSKTFDKLKSYFTI....   228
NTDB id 36 MW RS08230 WP 001793467.1          NSVHVKNGNTNNTKVNLNTASVSEL.MSVPGVGQAKANAIVEYRNQQGAFQEIDDLKKVKGFGSKTFDKLKSYFTI....   228
NTDB id 184374 A9E88 RS03995 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
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
NTDB id 20 SA RS08005 WP 001802022.1          .   228
NTDB id 36 MW RS08230 WP 001793467.1          .   228
NTDB id 184374 A9E88 RS03995 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