```
logo
NTDB id 1249 GC085 RS04230 WP 010946546.1     ..MKARLIAI..LLSFIVIPFSSQAEN.EPQK...........TPAKQVLVKGKINLNTADVYSLTGSFKGIGKKRAEAI   64
NTDB id 1272 LPP RS04360 WP 010946546.1       ..MKARLIAI..LLSFIVIPFSSQAEN.EPQK...........TPAKQVLVKGKINLNTADVYSLTGSFKGIGKKRAEAI   64
NTDB id 1150 A1552VC RS08580 WP 001166105.1   MQIKTKIVTLFLSLCLPTLPLLANAEETAPAAQ.............VEEGIVITVNINTASAEELATLLKGIGLKKAQAI   67
NTDB id 1159 ABDM36 RS04765 WP 001166105.1    MQIKTKIVTLFLSLCLPTLPLLANAEETAPAAQ.............VEEGIVITVNINTASAEELATLLKGIGLKKAQAI   67
NTDB id 1294 VP RS04495 WP 021449594.1        .......MKWILTLCLVVFAPLSLAA..DTKAD.............KYEGIEITVNINTASAEEIATMLKGIGEKKAQSI   58
NTDB id 1395 DSB67 RS04445 WP 010649155.1     .......MKWMLTLCLLILAPMSWAE.TKTKAD.............KYEGIEITVNVNSATAQEIATLLIGIGEKKAQDI   59
NTDB id 1242 Cj0011c YP 002343483.1           ..MKKLLFL.................................FFALTAFLFGAVNINTATLKEL.KSLNGIGEAKAKAI   43
NTDB id 1362 HI 1008 AAC22669.1               ..MKTL..FTSVVLCGALVVSSSFAEEKATXQTAQSVVTTQAEAQVAPAVVSDKLNINTATASEIQKSLTGIGAKKAEAI   76
NTDB id 1382 A4U84 RS07375 WP 062924234.1     ..MKKLSRYTFSLLFG.LFSATTFAEEKVTTSTEHTPVVMQQ.VAATQKVNANVVNINTATASEIQDKLVGIGAKKAQAI   76
consensus                                       **  **   * **  **   * **                        *   *!*!*!** **   **!!! **!**!
```

```
logo
NTDB id 1249 GC085 RS04230 WP 010946546.1     IAYRENHQGFKSLEELAEVKGIGQRFVDKNREKLKEIFVIN   105
NTDB id 1272 LPP RS04360 WP 010946546.1       IAYRENHQGFKSLEELAEVKGIGQRFVDKNREKLKEIFVIN   105
NTDB id 1150 A1552VC RS08580 WP 001166105.1   VDYREANGPFTHIDDLTNVKGIGEATVRNNAARILL.....   103
NTDB id 1159 ABDM36 RS04765 WP 001166105.1    VDYREANGPFTHIDDLTNVKGIGEATVRNNAARILL.....   103
NTDB id 1294 VP RS04495 WP 021449594.1        VDYRTEHGPFKTAADLTNVKGIGEATIKKNEDRILL.....    94
NTDB id 1395 DSB67 RS04445 WP 010649155.1     VEYRNEHGPFKTAADLTKVKGIGEATVRKNEDRILL.....    95
NTDB id 1242 Cj0011c YP 002343483.1           LEYRK.EANFTSIDDLKKVKGIGDKLFEKIKNDITIE....    79
NTDB id 1362 HI 1008 AAC22669.1               VQYREKHGNFXNAEQLLEVQGIGKATLEKNRDRIIF.....   112
NTDB id 1382 A4U84 RS07375 WP 062924234.1     VEYREKNGKFLNVEQLTEVSGIGKATLEKNRDCIVIE....   113
consensus                                     **!!* ** ! ****!* !*!!!*************
```

X non conserved

X similar

X $\geq$ 50% conserved