```
logo

NTDB id 1035736 ABKQ09 RS05685 WP 371176432.1  MQIPKPADSTWTDDQWNAIVSSGQDILVAAAAGSGKTAVLVERMIRKITAEENPIDVDRLLVVTFTNASAAEMKHRIAEA   80
NTDB id 119 BSU 10630 NP 388944.2              MNIPKPADSTWTDDQWNAIVSTGQDILVAAAAGSGKTAVLVERMIRKITAEENPIDVDRLLVVTFTNASAAEMKHRIAEA   80
consensus                                      !*!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!
```

```
logo

NTDB id 1035736 ABKQ09 RS05685 WP 371176432.1  KLVSSPYKVYDGKSKTHSNIRYRDIVILLRSMPWAPQIMEELKAQGIPVYANLTSGYFEAVEVSVAISALKVIDNPYQDI   640
NTDB id 119 BSU 10630 NP 388944.2              KLISSPFKVYDGKKKTHRNIQYRDIVILLRSMPWAPQIMEELRAQGIPVYANLTSGYFEAVEVAVALSVLKVIDNPYQDI   640
consensus                                      !!*!!!*!!!!!! !!! !! !!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!! !!*! !!!!!!!!!!!

logo

NTDB id 1035736 ABKQ09 RS05685 WP 371176432.1  PLASVLRSPIVGADENELSLIRMHNKKAPFYEAMKDYLSGGDRNDELYQKLNTFFELLQKWRSFSKNHSVSELIWEVYRD   720
NTDB id 119 BSU 10630 NP 388944.2              PLASVLRSPIVGADENELSLIRLENKKAPYYEAMKDYLAAGDRSDELYQKLNTFYGHLQKWRAFSKNHSVSELIWEVYRD   720
consensus                                      !!!!!!!!!!!!!!!!!!!!!!**!!!!!*!!!!!!!! *!!! !!!!!!!!!!* *!!!!! !!!!!!!!!!!!!!!!!!

logo

NTDB id 1035736 ABKQ09 RS05685 WP 371176432.1  SKYMDYVGGMPGGKQRQANLRVLYDRARQYESTAFRGLFRFLRFIERMQERGDDLGTARALSEQEDVVRLMTIHSSKGLE   800
NTDB id 119 BSU 10630 NP 388944.2              TKYMDYVGGMPGGKQRQANLRVLYDRARQYESTAFRGLFRFLRFIERMQERGDDLGTARALSEQEDVVRLMTIHSSKGLE   800
consensus                                      *!!!!!!!!!!!!!!!!!!!
```

```
logo
NTDB id 1035736 ABKQ09 RS05685 WP 371176432.1  KLIGAKWIHREVPFSMALSAQDAFLDTESKDEPILVQGIIDCLYETDEGLFLLDYKTDRIEGKFQHGFEGAAPILKKRYE  1200
NTDB id 119 BSU 10630 NP 388944.2              QLIGAKWKDREIPFSLALPAKEIYPDAHEADEPLLVQGIIDCLYETEDGLYLLDYKSDRIEGKFQHGFEGAAPILKKRYE  1198
consensus                                       !!!!!! *!!*!!!*!!*! * **! *  !!!*!!!!!!!!!!!!**!!*!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!
```

```
logo
NTDB id 1035736 ABKQ09 RS05685 WP 371176432.1  TQIELYTKAVEQITKTNVKGRALYFFDGGHVLNV  1234
NTDB id 119 BSU 10630 NP 388944.2              TQIQLYTKAVEQIAKTKVKGCALYFFDGGHILTL  1232
consensus                                      !!! !!!!!!!!! !! !!!*!!!!!!!!!*! *
```

X non conserved

X similar

X $\geq$ 50% conserved