```
logo
NTDB id 414 AAK55818.1 838..2187( )
NTDB id 1137594 DQL21 RS03400 WP 018029529.1
NTDB id 375 SMU RS06880 WP 002262929.1
consensus
```

```
MLDLLKQTIFTRDFIFILILLGFILVVTLLLLENRRDNIQLKQINQKVKDLIAGDYSKVLDMQGGSEITNITNNLNDLSE   80
MTNFFSTTPFLLRLVFGGLLFLLFLYFIFLNYREYKNNKQIKAINKKVRSLIAGDYSDKLDIKSNPELTDLVNNINDLSE   80
MTNVFESSPLFLRILLAVLIILLFFYFIFLNYREYKNNNQVKQLNAKVRSLITGHYTDKLKVEDNSDLSELVNNVNDLSE   80
!**** **** ********************!*******! !*!**! !!**!!*!*!***!**  ********!!*!!!!!
```

```
logo
NTDB id 414 AAK55818.1 838..2187( )
NTDB id 1137594 DQL21 RS03400 WP 018029529.1
NTDB id 375 SMU RS06880 WP 002262929.1
consensus
```

```
VIRLTQENLEQESKRLNSILFYMTDGVLATNRRGQIIMINDTAKKQLGLVKEDVLNRSILELLKIEENYELRDLITQSPE  160
VFRLTHENLAQETNRLTNVLTYMTDGVLATDRQGKIVLINDTAQKQLNISREEALEMSILDFLE.EDSYSLNDLIAQKPE  159
VFRLTHENLAQEKNRLTSILSYMTDGVLATDRSGKITVINDMAQKQLNVTREQALECNILDILD.DDSYTYNDLITKTPE  159
!*!!!*!!!*!!**!!***!*!!!!!!!!!*! !*!**!!!*!*!!!****!**!* *!!**!* ***!***!!!***!!
```

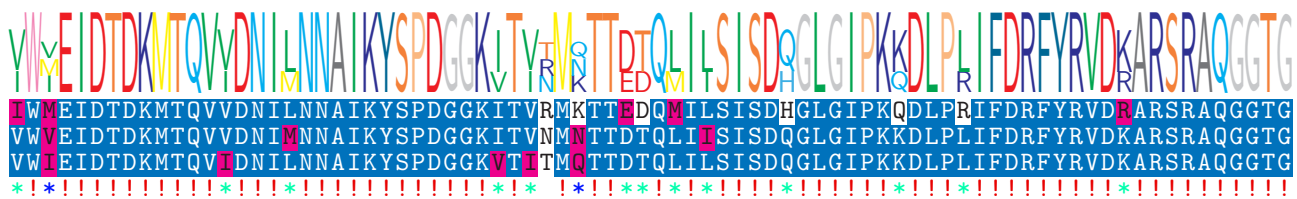
```
logo
NTDB id 414 AAK55818.1 838..2187( )
NTDB id 1137594 DQL21 RS03400 WP 018029529.1
NTDB id 375 SMU RS06880 WP 002262929.1
consensus
```

```
LLLDSQDINGEYLNLRVRFALIRRESGFISGLVAVLHDTTEQEKEERERRLFVSNVSHELRTPLTSVKSYLEALDEGALC  240
LIWYQRDENDEFITLRVRFALNRRESGFISGLIAVLHDVTEQEKEERERRLFVSNVSHELRTPLTSVKSYLEALDDGALT  239
IVLTRRDEYDEFITLRIRFALNRRESGFISGLIAVLHDATEQEKEERERRLFVSNVSHELRTPLTSVKSYLEALDDGALT  239
***  *!***!***!!*!!!!*!!!!!!!!!!*!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!*
```

```
logo
NTDB id 414 AAK55818.1 838..2187( )
NTDB id 1137594 DQL21 RS03400 WP 018029529.1
NTDB id 375 SMU RS06880 WP 002262929.1
consensus
```

```
ETVAPDFIKVSLDETNRMMRMVTDLLHLSCIDNATSHLDVELINFTAFITFILNRFDKMKGQE..KEKKYELVRDYPINS  318
EAVAPSFIKVSLDETNRMMRMISDLLNLSRIDNENSPLNVELINFTAFMTYILNRFDQIQTQNSLAGKVYEIIRDYPLRP  319
ESVAPSFIKVSLDETNRMMRMITDLLSLSRIDNQTSHLDVELTNFTAFMNYILDRFDQIQSQQS.TNKVYEIIRDYPDKS  318
!*!!!*!!!!!!!!!!!!!!!!**!!! !!*!!! *!*!*!!!*!!!!!***!!*!!!****!**   !*!!**!!!!***
```

```
logo
NTDB id 414 AAK55818.1 838..2187( )
NTDB id 1137594 DQL21 RS03400 WP 018029529.1
NTDB id 375 SMU RS06880 WP 002262929.1
consensus
```



```
IWMEIDTDKMTQVVDNILNNAIKYSPDGGKITVRMKTTEDQMILSISDHGLGIPKQDLPRIFDRFYRVDRARSRAQGGTG  398
VWVEIDTDKMTQVVDNIMNNAIKYSPDGGKITVNMNTTDTQLIISISDQGLGIPKKDLPLIFDRFYRVDKARSRAQGGTG  399
VWIEIDTDKMTQVIDNILNNAIKYSPDGGKVTITMQTTDTQLILSISDQGLGIPKKDLPLIFDRFYRVDKARSRAQGGTG  398
*!*!!!!!!!!!!*!!!*!!!!!!!!!!!!!*!* !*!!**!*!*!!!!*!!!!!!*!!!*!!!!!!!!!*!!!!!!!!!!
```

<0

```
logo
NTDB id 414 AAK55818.1 838..2187( )
NTDB id 1137594 DQL21 RS03400 WP 018029529.1
NTDB id 375 SMU RS06880 WP 002262929.1
consensus
```

```
LGLSIAKEIIKQHKGFIWAKSEYGKGSTFTIVLPYDKDAVKEEVWEDEVED*   449
LGLAITKEIIKQHGGFIWAKSDYGKGSTFTIVLPYDRDNILDDEWEEEEA..   449
LGLAIAKEIVKQHKGFIWANSEEGEGSTFTIVLPYENDNDAIDEWEEDEDES   450
!!!*!*!!!*!!!*!!!!!*!**!*!!!!!!!!!!**!** ***!!*****
```

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