```
logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFR.RQAEVAGQYLRKGSKVY   77
NTDB id 1170948 ACOMDK RS17250 WP 133949830.1 .MAGSVNKVILVGNLGADPEIRRTQDGRPIANLRIATSESWRDRNSGERREKTEWHRVVIFNEGLCKVAENYLRKGSKVY   79
NTDB id 1166 A1552VC RS00795 WP 000168289.1  MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYG.KLAEVAGEYLRKGSQVY   79
consensus                                       **!!!!!**!!!!*!!**! ** ! **!****!!!!*!*!* *!!**!*!!!!!***  ****!!**!!!!!!*!!
```

```
logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     VECKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGGDFGG.......NQGSG.WNQAPAQTNYNQGGYSDNYAQ  145
NTDB id 1170948 ACOMDK RS17250 WP 133949830.1 LEGQLQTRKWQDQSGQDRYSTEVVLQGFNSNLTMLDGRGEGGGQPGGLPDYGNDQGGGGFGGGSS......GGGGGSFGG  153
NTDB id 1166 A1552VC RS00795 WP 000168289.1  IEGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQ....GGM......N...V......PAQQGSWGQ  140
consensus                                     *!!*!*!!!!!!!*!!!!!*!!******* ***!!**!* *!* **     *  ** * ** *        **  *****
```

```
logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     NNNFNGGNA..TRPQPAQKPAAQAEPPMDNFDDDIPF  180
NTDB id 1170948 ACOMDK RS17250 WP 133949830.1 GGGYGG......GSSGGGFGGPS.GGGSGPMDDEIPF  183
NTDB id 1166 A1552VC RS00795 WP 000168289.1  PQQPAKQHQPMQQSAPQQYSQPQYNEPPMDFDDDIPF  177
consensus                                     *****        * **** ***   *   *!!*!!!
```

X non conserved

X similar

X $\geq$ 50% conserved