```
logo
NTDB id 413 AAK55817.1 141..845( )      ..MKKILIVDDEKPISDIIKFNMTKEGYEVVTAFNGREALEQFEAEQPDIIILDLMLPEIDGLEVAKTIRKTSSVPILMLSAKDS   83
NTDB id 374 SMU RS06885 WP 002262930.1  ..MKKILIVDDEKPISDIIKFNLAKEGYDTITAFDGREALSKYEEENPDLIILDLMLPELDGLEVAKEVRKNSHVPIIMLSAKDS   83
NTDB id 606 V4T04 RS01910 WP 003130756.1 MTSKKILIIEDEKNLARFVSLELEHEGYATEIKDNGRSGLEEATSKDYDLILLDLMLPELDGFEVARRLRKEKDTPIIMMTARDS   85
NTDB id 33541 SEQ RS09220 WP 012516253.1 .MTKKILIIEDEKNLARFVSLELQHEGYEVTVEVNGREGLETALEKDFDLILLDLMLPEMDGFEVTRRLQTEKTTYIMMMTARDS   84
NTDB id 471 HSISS4 RS01430 WP 002883757.1 .MSKRILIVEDEKNLARFVSLELQHEGYDVVTADNGREGLEMALEKDFDLILLDLMLPEMDGFEVTRRLQQEKDTYIMMMTARDS   84
consensus                                *!*!!!**!!!********** *!!!****** *!!**!* * ****!*!*!!!!!!!*!!*!!******** **!*!**!*!!
```

```
logo
NTDB id 413 AAK55817.1 141..845( )      EFDKVIGLELGADDYVTKPFSNRELQARVKALLRRSQPMPVDGQ.EADSKPQPIQIGDLEIVPDAYVAKKYGEELDLTHREFELL   167
NTDB id 374 SMU RS06885 WP 002262930.1  EFDKVIGLEIGADDYVTKPFSNRELLARVKAHLRRTENIESAVAEENASGIPEIIIGDLQILPDAFVAKKRGTEVELTHREFELL   168
NTDB id 606 V4T04 RS01910 WP 003130756.1 TMDRVAGLDIGADDYITKPFAIEELLARVRAFFRREEHGHAVE......RAENTSFRDLVIDKTNRTVHRGKKVIDLTREYDLL   164
NTDB id 33541 SEQ RS09220 WP 012516253.1 IMDVVAGLDRGADDYIVKPFAIEELLARIRAIFRRQDIESEKKT.....PSQ.GVYRDLVLNPQNRSVNRGDDEISLTKREYDLL   163
NTDB id 471 HSISS4 RS01430 WP 002883757.1 IMDIVAGLDRGADDYIVKPFAIEELLARIRATFRRQDIEAAKNA.....PAKASTYRDLKLDVQNRTVVRGDEAIPLTKREFDLL   164
consensus                                *!*!*!!**!!!!!**!!!***!!*!!**! *!! *                **!! * * **** ** ****!!*!!**!!
```

```
<0
logo
NTDB id 413 AAK55817.1 141..845( )      YHLASHTGQVITREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYMRNNA*   234
NTDB id 374 SMU RS06885 WP 002262930.1  HHLATHTGQVMTREHLLETVWGYDYFGDVRTVDVTVRRLREKIEDTPSRPEYILTRRGVGYYMKSYD.   235
NTDB id 606 V4T04 RS01910 WP 003130756.1 LTLMQNVGDVVTREHLVSQVWGYEEGTETNVVDVYIRYLRNKI.DVEGQDSYIQTVRGLGYVMRERK.   230
NTDB id 33541 SEQ RS09220 WP 012516253.1 NILMTNMNRVMTREELLSNVWKYDEAVETNVVDVYIRYLRGKI.DIPGKESYIQTVRGMGYVIREK..   228
NTDB id 471 HSISS4 RS01430 WP 002883757.1 NTLLSNMNQVMTREELLLQVWKYDDAIETNVVDVYIRYLRGKI.DVPGKESYIQTVRGMGYVIREK..   229
consensus                                !******!*!!!!*!* *!!*!*** ****!!!**!*!! !! !******!!*!*!!*!!****
```

X non conserved

X similar

X ≥ 50% conserved