

```
NTDB id 356870 Psal071 RS02825 WP 075274718.1  ..MRGVNKVIIVGRLGQDPEIRSTQSGESVATLSVATSEQWQDQ.HGVNHESTEWHRVVLFSGLANIARDYLKKGAQVYV   77
NTDB id 1390 A4U84 RS00055 WP 021115958.1      ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
NTDB id 1166 A1552VC RS00795 WP 000168289.1    MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                        **!!!!!!**!*!!*!!**!*****!**!!*****!!!!*!*!* *!***! !!!!!**** **!**!**!!*!!**!!*
```



```
NTDB id 356870 Psal071 RS02825 WP 075274718.1  EGKIKTRKWQDNQGKDRYTTEIVG....KNMQMLGGGERVQTA..........KPPQL..QPSSLGQ..........QA   130
NTDB id 1390 A4U84 RS00055 WP 021115958.1      EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGNA   154
NTDB id 1166 A1552VC RS00795 WP 000168289.1    EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQGGM...NVPAQ....QGSWGQPQQPAKQHQ..PM   151
consensus                                      !!***!!!!!!*!*!!!*!!***     **!!!***   *   ** *    * !*!   *******       * *  **
```



```
NTDB id 356870 Psal071 RS02825 WP 075274718.1  FKAKQAQLHAQNSSPEIEQVGEEIPF   156
NTDB id 1390 A4U84 RS00055 WP 021115958.1      TRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 1166 A1552VC RS00795 WP 000168289.1    QQSAPQQYSQPQYNEPPMDFDDDIPF   177
consensus                                       *  **!  * *  *********!!!
```

X non conserved

X similar

X ≥ 50% conserved