logo

```
NTDB id 27053 PECWA RS11035 WP 025919051.1   MAISTDNQVKKTLRLSDGPDWTFELLRVYLDEIDRVAKLYRLATYPHQIEVITSEQMMDAYSSIGMPINYAHWSFGKKFI  80
NTDB id 1450 BW25113 RS06185 WP 000190854.1  .MATIDSMNKDTTRLSDGPDWTFDLLDVYLAEIDRVAKLYRLDTYPHQIEVITSEQMMDAYSSVGMPINYPHWSFGKKFI  79
consensus                                    *  * !   ! ! !!!!!!!!!!*!! !!! !!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!*!!!!!!*!!!!!!!!!
```

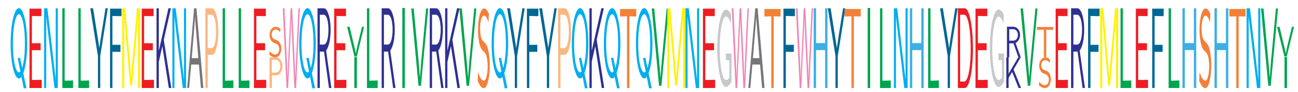
logo

```
NTDB id 27053 PECWA RS11035 WP 025919051.1   ETEQRYKHGQQGLAYEIVINSDPCIAYLMEENTLPMQALVMAHACYGHNSFFKGNYLFRSWTDASSIVDYLLFARQYIAQ  160
NTDB id 1450 BW25113 RS06185 WP 000190854.1  ETERLYKHGQQGLAYEIVINSNPCIAYLMEENTITMQALVMAHACYGHNSFFKNNYLFRSWTDASSIVDYLIFARKYITE  159
consensus                                    !!!  !!!!!!!!!!!!!!!! !!!!!!!!!!!**!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!*!!! !!
```

logo

```
NTDB id 27053 PECWA RS11035 WP 025919051.1   CEERYGVDEVEHLLDSCHALMNYGVDRYKRPQKISLEEEKSRQKSREAYLQSQVNDLWKTLPRREQGAAPEQARRFPQEP  240
NTDB id 1450 BW25113 RS06185 WP 000190854.1  CEERYGVDEVERLLDSCHALMNYGVDRYKRPQKISLQEEKARQKSREEYLQSQVNMLWRTLPKREEEKTVAEARRYPSEP  239
consensus                                    !!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!! !!! !!!!!! !!!!!!! !!*!!!*!!    *  !!!*! !!
```

logo



```
NTDB id 27053 PECWA RS11035 WP 025919051.1   QENLLYFMEKNAPLLEPWQREVLRIVRKVSQYFYPQKQTQVMNEGWATFWHYTILNHLYDEGRVSERFMLEFLHSHTNVI  320
NTDB id 1450 BW25113 RS06185 WP 000190854.1  QENLLYFMEKNAPLLESWQREILRIVRKVSQYFYPQKQTQVMNEGWATFWHYTILNHLYDEGKVTERFMLEFLHSHTNVV  319
consensus                                    !!!!!!!!!!!!!!!!*!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!*!!!!!!!!!!!!!!*
```

logo

```
NTDB id 27053 PECWA RS11035 WP 025919051.1   YQPPYNSPYYSGINPYALGFAMFQDIKRICQSPTEEDRYWFPDIAGKDWLDTLHFAMQNFKDESFISQFLSPKLMRDFRL  400
NTDB id 1450 BW25113 RS06185 WP 000190854.1  FQPPYNSPWYSGINPYALGFAMFQDIKRICQSPTEEDKYWFPDIAGSDWLETLHFAMRDFKDESFISQFLSPKVMRDFRF  399
consensus                                    *!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!! !!!*!!!!!!  !!!!!!!!!!!!!!*!!!!!
```

logo

```
NTDB id 27053 PECWA RS11035 WP 025919051.1   FTVLDDDRNNYLEIAAIHDEEGYRLIRQELSAQYNLSHLEPNIQVWNVDLRGNRALTLRYVPHNRAPLDKSSQEVLKHVH  480
NTDB id 1450 BW25113 RS06185 WP 000190854.1  FTVLDDDRHNYLEISAIHNEEGYREIRNRLSSQYNLSNLEPNIQIWNVDLRGDRSLTLRYIPHNRAPLDRGRKEVLKHVH  479
consensus                                    !!!!!!!!*!!!!! !!! !!!!! !!* !! !!!!!*!!!!!!*!!!!!!! ! !!!!!*!!!!!!!!*   !!!!!!!
```

logo

```
NTDB id 27053 PECWA RS11035 WP 025919051.1   RLWGFDVYLEQANSDGSIELIERCPPRNGAASA  513
NTDB id 1450 BW25113 RS06185 WP 000190854.1  RLWGFDVMLEQQNEDGSIELLERCPPRMGNL..  510
consensus                                    !!!!!!! !!! ! !!!!!!*!!!!!! !  **
```

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