

```
NTDB id 1291 VP RS12200 WP 005479697.1      .MDSIAKRPRTRLSPLKRKQQLMEIALEVFARRGIGRGGHADIAEIAQVSVATVFNYFPTRFDLVDEVLNHVVRQFSNFL   79
NTDB id 1161 ABDM36 RS11380 WP 000340098.1  MDASIEKRPRTRLSPQKRKLQLMEIALEVFAKRGIGRGGHADIAEIAQVSVATVFNYFPTREDLVDDVLNFVVRQYSNFL   80
NTDB id 1147 A1552VC RS01790 WP 000340098.1 MDASIEKRPRTRLSPQKRKLQLMEIALEVFAKRGIGRGGHADIAEIAQVSVATVFNYFPTREDLVDDVLNFVVRQYSNFL   80
consensus                                   ***!!*!!!!!!!!!!*!!!*!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!*!!!!*!!!!
```



```
NTDB id 1291 VP RS12200 WP 005479697.1      SDNIDLDIHARENIANITNAMIELVSQDCHWLKVWFEWSASTRDEVWPLFVSTNRTNQLLVQNMFIKAIERGEVCDQHDS   159
NTDB id 1161 ABDM36 RS11380 WP 000340098.1  TDHIDLDLDVKTNLQTLCKEMVKLAMTDCHWLKVWFEWSASTRDEVWPLFVSTNRTNQLLIRNMFMKAMERGELCEKHDV   160
NTDB id 1147 A1552VC RS01790 WP 000340098.1 TDHIDLDLDVKTNLQTLCKEMVKLAMTDCHWLKVWFEWSASTRDEVWPLFVSTNRTNQLLIRNMFMKAMERGELCEKHDV   160
consensus                                   *!*!!!!*****!*******!**!***!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!**!!!*!!*!!!!*!**!!*
```



```
NTDB id 1291 VP RS12200 WP 005479697.1      EHLANLFHGICYSLFVQANRFKGEAELKELVSAYLDMLCIYNREH   204
NTDB id 1161 ABDM36 RS11380 WP 000340098.1  DNMASLFHGIFYSIFLQVNRLGEQEAVYKLADSYLNMLCIYKN..   203
NTDB id 1147 A1552VC RS01790 WP 000340098.1 DNMASLFHGIFYSIFLQVNRLGEQEAVYKLADSYLNMLCIYKN..   203
consensus                                   ***!*!!!!!*!!*!*!*!!**********!***!!*!!!!!**
```

X non conserved

X similar

X ≥ 50% conserved