```
logo
NTDB id 1291 VP RS12200 WP 005479697.1        .MDSIAKRPRTRLSPLKRKQQLMEIALEVFARRGIGRGGHADIAEIAQVSVATVFNYFPTREDLVDEVLNHVVRQFSNFL   79
NTDB id 288225 Sa5Y RS11480 WP 000340100.1   MDASIEKRPRTRLSPQKRKLQLMEIALEVFAKRGIGRGGHADIAEIAQVSVATVFNYFPTREDLVDDVLNFVVRQYSNFL   80
NTDB id 1161 ABDM36 RS11380 WP 000340098.1   MDASIEKRPRTRLSPQKRKLQLMEIALEVFAKRGIGRGGHADIAEIAQVSVATVFNYFPTREDLVDDVLNFVVRQYSNFL   80
NTDB id 1147 A1552VC RS01790 WP 000340098.1  MDASIEKRPRTRLSPQKRKLQLMEIALEVFAKRGIGRGGHADIAEIAQVSVATVFNYFPTREDLVDDVLNFVVRQYSNFL   80
consensus                                    ***!!*!!!!!!!!!!*!!!*!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!*!!!!*!!!!
```

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logo
NTDB id 1291 VP RS12200 WP 005479697.1        SDNIDLDIHARENIANITNAMIELVSQDCHWLKVWFEWSASTRDEVWPLFVSTNRTNQLLVQNMFIKAIERGEVCDQHDS   159
NTDB id 288225 Sa5Y RS11480 WP 000340100.1   TDHIDLDLDVKTNLQTLCKEMVKLAMTDCHWLKVWFEWSASTRDEVWPLFVSTNRTNQLLIRNMFMKAMERGELCEKHDV   160
NTDB id 1161 ABDM36 RS11380 WP 000340098.1   TDHIDLDLDVKTNLQTLCKEMVKLAMTDCHWLKVWFEWSASTRDEVWPLFVSTNRTNQLLIRNMFMKAMERGELCEKHDV   160
NTDB id 1147 A1552VC RS01790 WP 000340098.1  TDHIDLDLDVKTNLQTLCKEMVKLAMTDCHWLKVWFEWSASTRDEVWPLFVSTNRTNQLLIRNMFMKAMERGELCEKHDV   160
consensus                                    *!*!!!!*****!*******!**!***!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!**!!!*!!*!!!!*!**!!*
```

```
logo
NTDB id 1291 VP RS12200 WP 005479697.1        EHLANLFHGICYSLFVQANRFKGEAELKELVSAYLDMLCIYNREH   204
NTDB id 288225 Sa5Y RS11480 WP 000340100.1   DNMASLFHGIFYSIFLQVNRLGEQEAVYKLVDSYLNMLCIYKN..   203
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 $\geq$ 50% conserved