```
logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1       MSKWTINKTLGCAAIVGAFILSGCQTVPT.TKDPEKGVKVRTQLAAEYIKSGDLDSAKRALDQALKVNPKDSSANMMMGV   79
NTDB id 1002612 ABEF80 RS12480 WP 404798956.1  ....MISKIALISTVCFSLALNACQTVDAGKKDPEKAIKVRTQLAVEYLKTGDLDSAKRALDEALKINSRDAQANMMMGV   76
NTDB id 1051 ABD1 RS02465 WP 004738086.1       .MSTPKLKIMLCMGVAVALLASGCQTSQTVKKDPEKAVKVRTQLAAEYIRSGDLDSAKRSLDQALSVDSRDATANMMMGI   79
consensus                                            * !**** **  ******!!!* * *!!!!!**!!!!!!*!!***!!!!!!!*!!*!!*****!**!!!!!!*

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1       LLQQEGSRPNLEKADAYFERAVQLDPENAQAHNNYGTYLYQMKRYHDAIQQLTLAGSSLGYDQRYRALENIGRIYLHLGG   159
NTDB id 1002612 ABEF80 RS12480 WP 404798956.1  LLQQEGSKANLEKAESYFKKAISAEPKNAQARNNYGTYLYQLERYNDAIEQFEIAGATLGYDQRYRALENLGRIYLKKGD   156
NTDB id 1051 ABD1 RS02465 WP 004738086.1       LLQQEGSKPNLEKAEHYFKRAISSEPDNAQARNNYGTYLYQMERYNDAIEQFRIAGATLGYDQRYQALENLGRIYLKLGD   159
consensus                                      !!!!!!!**!!!!!* !!**!** *!*!!!!*!!!!!!!!!**!!*!!!*!* *!!**!!!!!!!*!!!!*!!!!!**!*

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1       VANAEKMFSQALQANRDSSVSMLELAEIYYLQQRIPAATGMYEQYVRTVGQKNQGARALWIGIRVARANADRTGVQVLVN   239
NTDB id 1002612 ABEF80 RS12480 WP 404798956.1  LVNAEKSFKQALQANRDSYISMLELAEIFYLNQQFPAASKMYEQFVHAVGQKNQGARALWIGIRTARASGDQLGMQVLVN   236
NTDB id 1051 ABD1 RS02465 WP 004738086.1       IASAEKTFKQALLANRDSYISMLELAEIFYLQQQIPAATQMYEQYVRTVGQKNQGARALWIGLRVARANADKMGMQVLVN   239
consensus                                      ***!!!*!*!!!*!!!!!**!!!!!!!!!*!!*!**!!!* !!!!*!**!!!!!!!!!!!!!!!!*!*!!!**!**!*!!!!!

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1       QLRIFYPDSSEYQRYLKLQYSTEAVWK   266
NTDB id 1002612 ABEF80 RS12480 WP 404798956.1  QLRALFPESQEYQRYLQLQYSTEAVWK   263
NTDB id 1051 ABD1 RS02465 WP 004738086.1       QLRALFPESPEYQRYLQLQYSTEAVWK   266
consensus                                      !!!***!*! !!!!!!*!!!!!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved