```
logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1        MSKWTINKTLGCAAIVGAFILSGCQTVPT.TKDPEKGVKVRTQLAAEYIKSGDLDSAKRALDQALKVNPKDSSANMMMGV    79
NTDB id 1048970 ACEQ85 RS05355 WP 373883483.1   .MSIPKLKTVLCMGIAVAFLASGCQTTHTQKKDPEKAVKVRTQLAAEHIRSGDLDSAKRTLDQALSVDSRDATANMMMGI    79
NTDB id 1051 ABD1 RS02465 WP 004738086.1        .MSTPKLKIMLCMGVAVALLASGCQTSQTVKKDPEKAVKVRTQLAAEYIRSGDLDSAKRSLDQALSVDSRDATANMMMGI    79
consensus                                        ** ***!**!*****!***!!!!!* ! *!!!!!*!!!!!!!!!!*!*!!!!!!!!!*!!!!!*!***!**!!!!!!*

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1        LLQQEGSRPNLEKADAYFERAVQLDPENAQAHNNYGTYLYQMKRYHDAIQQLTLAGSSLGYDQRYRALENIGRIYLHLGG   159
NTDB id 1048970 ACEQ85 RS05355 WP 373883483.1   LLQQEGSKPNLEKAEHYFKRAISSEPDNAQAHNNYGTYLYQMERYNDAVEQFRIAGATLGYDQRYQALENLGRIYLKLGD   159
NTDB id 1051 ABD1 RS02465 WP 004738086.1        LLQQEGSKPNLEKAEHYFKRAISSEPDNAQARNNYGTYLYQMERYNDAIEQFRIAGATLGYDQRYQALENLGRIYLKLGD   159
consensus                                        !!!!!!!*!!!!!!**!!*!!****!*!!!!*!!!!!!!!!!!*!!*!!**!***!!**!!!!!!!*!!!!*!!!!!*!!*

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1        VANAEKMFSQALQANRDSSVSMLELAEIYYLQQRIPAATGMYEQYVRTVGQKNQGARALWIGIRVARANADRTGVQVLVN   239
NTDB id 1048970 ACEQ85 RS05355 WP 373883483.1   VANAEKTFKQALLANRDSYISMLELAEIFYLQ.QIPAATQMYEQYVRTVGQKNQGARALWIGVRVARANADKMGMQVLVN   238
NTDB id 1051 ABD1 RS02465 WP 004738086.1        IASAEKTFKQALLANRDSYISMLELAEIFYLQQQIPAATQMYEQYVRTVGQKNQGARALWIGLRVARANADKMGMQVLVN   239
consensus                                        *!*!!!*!*!!!*!!!!!**!!!!!!!!!*!!!**!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1        QLRIFYPDSSEYQRYLKLQYSTEAVWK   266
NTDB id 1048970 ACEQ85 RS05355 WP 373883483.1   QLRALFPESPEYQRYLQLQYSTEAVWK   265
NTDB id 1051 ABD1 RS02465 WP 004738086.1        QLRALFPESPEYQRYLQLQYSTEAVWK   266
consensus                                        !!!***!*!*!!!!!!*!!!!!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved