```
logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1        MSKWTINKTLGCAAIVGAFILSGCQTVPT.TKDPEKGVKVRTQLAAEYIKSGDLDSAKRALDQALKVNPKDSSANMMMGV   79
NTDB id 1053023 ABUS40 RS02510 WP 005136899.1    MS.TPKLKIMLCMGVAVALLASGCQTSQTVKKDPEKAVKVRTQLAAEYIRSGDLDSAKRSLDQALSVDSRDATANMMMGI   79
NTDB id 1051 ABD1 RS02465 WP 004738086.1         MS.TPKLKIMLCMGVAVALLASGCQTSQTVKKDPEKAVKVRTQLAAEYIRSGDLDSAKRSLDQALSVDSRDATANMMMGI   79
consensus                                        !! ****!***!*****!***!!!!!**!**!!!!!*!!!!!!!!!!!!*!!!!!!!!*!!!!!*!***!**!!!!!!*

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1        LLQQEGSRPNLEKADAYFERAVQLDPENAQAHNNYGTYLYQMKRYHDAIQQLTLAGSSLGYDQRYRALENIGRIYLHLGG   159
NTDB id 1053023 ABUS40 RS02510 WP 005136899.1    LLQQEGSKSNLEKAEHYFKRAISSEPDNAQARNNYGTYLYQMERYNDAIEQFRIAGATLGYDQRYQALENLGRIYLKLGN   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 1053023 ABUS40 RS02510 WP 005136899.1    IASAEKTFKQALLANRDSYISMLELAEIFYLQQQIPAATQMYEQYVRTVGQKNQGARALWIGLRVARANADKMGMQVLVN   239
NTDB id 1051 ABD1 RS02465 WP 004738086.1         IASAEKTFKQALLANRDSYISMLELAEIFYLQQQIPAATQMYEQYVRTVGQKNQGARALWIGLRVARANADKMGMQVLVN   239
consensus                                        *!*!!!*!*!!!*!!!!!**!!!!!!!!!*!!!!*!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1        QLRIFYPDSSEYQRYLKLQYSTEAVWK   266
NTDB id 1053023 ABUS40 RS02510 WP 005136899.1    QLRALFPESPEYQRYLQLQYSTEAVWK   266
NTDB id 1051 ABD1 RS02465 WP 004738086.1         QLRALFPESPEYQRYLQLQYSTEAVWK   266
consensus                                        !!!***!*!*!!!!!!*!!!!!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved