```
NTDB id 325581 EGX83 RS17945 WP 004738086.1  MS.TPKLKIMLCMGVAVALLASGCQTSQTVKKDPEKAVKVRTQLAAEYIRSGDLDSAKRSLDQALSVDSRDATANMMMGI  79
NTDB id 1051 ABD1 RS02465 WP 004738086.1     MS.TPKLKIMLCMGVAVALLASGCQTSQTVKKDPEKAVKVRTQLAAEYIRSGDLDSAKRSLDQALSVDSRDATANMMMGI  79
NTDB id 1017 ACIAD RS02540 WP 011182074.1    MSKWTINKTLGCAAIVGAFILSGCQTVPT.TKDPEKGVKVRTQLAAEYIKSGDLDSAKRALDQALKVNPKDSSANMMMGV  79
consensus                                    !! ****!***!*****!***!!!!!**!**!!!!!*!!!!!!!!!!!!*!!!!!!!!!*!!!!!*!***!**!!!!!!*
```

```
NTDB id 325581 EGX83 RS17945 WP 004738086.1  LLQQEGSKPNLEKAEHYFKRAISSEPDNAQARNNYGTYLYQMERYNDAIEQFRIAGATLGYDQRYQALENLGRIYLKLGD  159
NTDB id 1051 ABD1 RS02465 WP 004738086.1     LLQQEGSKPNLEKAEHYFKRAISSEPDNAQARNNYGTYLYQMERYNDAIEQFRIAGATLGYDQRYQALENLGRIYLKLGD  159
NTDB id 1017 ACIAD RS02540 WP 011182074.1    LLQQEGSRPNLEKADAYFERAVQLDPENAQAHNNYGTYLYQMKRYHDAIQQLTLAGSSLGYDQRYRALENIGRIYLHLGG  159
consensus                                    !!!!!!!*!!!!!!**!!*!!****!*!!!!*!!!!!!!!!!*!!*!!!*!***!!**!!!!!!!*!!!!*!!!!!*!!*
```

```
NTDB id 325581 EGX83 RS17945 WP 004738086.1  IASAEKTFKQALLANRDSYISMLELAEIFYLQQQIPAATQMYEQYVRTVGQKNQGARALWIGLRVARANADKMGMQVLVN  239
NTDB id 1051 ABD1 RS02465 WP 004738086.1     IASAEKTFKQALLANRDSYISMLELAEIFYLQQQIPAATQMYEQYVRTVGQKNQGARALWIGLRVARANADKMGMQVLVN  239
NTDB id 1017 ACIAD RS02540 WP 011182074.1    VANAEKMFSQALQANRDSSVSMLELAEIYYLQQRIPAATGMYEQYVRTVGQKNQGARALWIGIRVARANADRTGVQVLVN  239
consensus                                    *!*!!!*!*!!!*!!!!!**!!!!!!!!!*!!!!*!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!**!*!!!!!
```

```
NTDB id 325581 EGX83 RS17945 WP 004738086.1  QLRALFPESPEYQRYLQLQYSTEAVWK  266
NTDB id 1051 ABD1 RS02465 WP 004738086.1     QLRALFPESPEYQRYLQLQYSTEAVWK  266
NTDB id 1017 ACIAD RS02540 WP 011182074.1    QLRIFYPDSSEYQRYLKLQYSTEAVWK  266
consensus                                    !!!***!*!*!!!!!!*!!!!!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved