logo

```
NTDB id 378883 BAA1790NC RS16465 WP 002027454.1  MS.TPKLKIMLCMGVAVALLTSGCQTSQTVKKDPEKAVKVRTQLAAEYIRSGDLDSAKRSLDQALSVDSRDATANMMMGI  79
NTDB id 1051 ABD1 RS02465 WP 004738086.1         MS.TPKLKIMLCMGVAVALLASGCQTSQTVKKDPEKAVKVRTQLAAEYIRSGDLDSAKRSLDQALSVDSRDATANMMMGI  79
NTDB id 1017 ACIAD RS02540 WP 011182074.1        MSKWTINKTLGCAAIVGAFILSGCQTVPT.TKDPEKGVKVRTQLAAEYIKSGDLDSAKRALDQALKVNPKDSSANMMMGV  79
consensus                                        !! ****!***!*****!** !!!!!**!**!!!!!*!!!!!!!!!!!!!*!!!!!!!!!*!!!!!*!***!**!!!!!!*
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logo

```
NTDB id 378883 BAA1790NC RS16465 WP 002027454.1  LLQQEGSKPNLEKAEHYFKRAISSEPDNAQARNNYGTYLYQMERYNDAIEQFRIAGATLGYDQRYQALENLGRIYLKLGD  159
NTDB id 1051 ABD1 RS02465 WP 004738086.1         LLQQEGSKPNLEKAEHYFKRAISSEPDNAQARNNYGTYLYQMERYNDAIEQFRIAGATLGYDQRYQALENLGRIYLKLGD  159
NTDB id 1017 ACIAD RS02540 WP 011182074.1        LLQQEGSRPNLEKADAYFERAVQLDPENAQAHNNYGTYLYQMKRYHDAIQQLTLAGSSLGYDQRYRALENIGRIYLHLGG  159
consensus                                        !!!!!!!*!!!!!!**!!*!!****!*!!!!*!!!!!!!!!!*!!*!!!*!***!!**!!!!!!!*!!!!*!!!!!*!!*
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logo

```
NTDB id 378883 BAA1790NC RS16465 WP 002027454.1  IASAEKTFKQALLANRDSYISMLELAEIFYLQQQIPAATQMYEQYVRTVGQKNQGARALWIGLRVARANADKMGMQVLVN  239
NTDB id 1051 ABD1 RS02465 WP 004738086.1         IASAEKTFKQALLANRDSYISMLELAEIFYLQQQIPAATQMYEQYVRTVGQKNQGARALWIGLRVARANADKMGMQVLVN  239
NTDB id 1017 ACIAD RS02540 WP 011182074.1        VANAEKMFSQALQANRDSSVSMLELAEIYYLQQRIPAATGMYEQYVRTVGQKNQGARALWIGIRVARANADRTGVQVLVN  239
consensus                                        *!*!!!*!*!!!*!!!!!**!!!!!!!!!*!!!!*!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!**!*!!!!!
```

logo

```
NTDB id 378883 BAA1790NC RS16465 WP 002027454.1  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