```
logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1      MSKWTINKTLGCAAIVGAFILSGCQTVPT.TKDPEKGVKVRTQLAAEYIKSGDLDSAKRALDQALKVNPKDSSANMMMGV   79
NTDB id 110488 ACAK33 RS01835 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 110488 ACAK33 RS01835 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 110488 ACAK33 RS01835 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 110488 ACAK33 RS01835 WP 005136899.1  QLRALFPESPEYQRYLQLQYSTEAVWK   266
NTDB id 1051 ABD1 RS02465 WP 004738086.1      QLRALFPESPEYQRYLQLQYSTEAVWK   266
consensus                                     !!!***!*!*!!!!!!*!!!!!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved