```
logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1      MSKWTINKTLGCAAIVGAFILSGCQTVPT.TKDPEKGVKVRTQLAAEYIKSGDLDSAKRALDQALKVNPKDSSANMMMGV    79
NTDB id 362217 FDQ49 RS06995 WP 306302597.1    .........MLCMGVAVAFLASGCQSSPTLKKDPEKAVKVRTQLAAEYIRSGDLDSAKRSLDQALSVDSRDATANMMMGI    71
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 362217 FDQ49 RS06995 WP 306302597.1    LLQQEGSKPNLEKAEHYFKRAISSEPDNAQARNNYGTYLYQMERYNDAIEQFRIAGATLGYDQRYQALENLGRIYLKLGD   151
NTDB id 1051 ABD1 RS02465 WP 004738086.1       LLQQEGSKPNLEKAEHYFKRAISSEPDNAQARNNYGTYLYQMERYNDAIEQFRIAGATLGYDQRYQALENLGRIYLKLGD   159
consensus                                      !!!!!!!*!!!!!!**!!*!!****!*!!!!*!!!!!!!!!!*!!*!!!*!***!!**!!!!!!!*!!!!*!!!!!*!!*

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1      VANAEKMFSQALQANRDSSVSMLELAEIYYLQQRIPAATGMYEQYVRTVGQKNQGARALWIGIRVARANADRTGVQVLVN   239
NTDB id 362217 FDQ49 RS06995 WP 306302597.1    IASAEKTFKQALLANRDSYISMLELAEIFYLQQQIPAATQMYEQYVRTVGQKNQGARALWIGLRVARANADKMGMQVLVN   231
NTDB id 1051 ABD1 RS02465 WP 004738086.1       IASAEKTFKQALLANRDSYISMLELAEIFYLQQQIPAATQMYEQYVRTVGQKNQGARALWIGLRVARANADKMGMQVLVN   239
consensus                                      *!*!!!*!*!!!*!!!!!**!!!!!!!!!*!!!!*!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!**!*!!!!!

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1      QLRIFYPDSSEYQRYLKLQYSTEAVWK   266
NTDB id 362217 FDQ49 RS06995 WP 306302597.1    QLRALFPESPEYQRYLQLQYSTEAVWK   258
NTDB id 1051 ABD1 RS02465 WP 004738086.1       QLRALFPESPEYQRYLQLQYSTEAVWK   266
consensus                                      !!!***!*!*!!!!!!*!!!!!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved