```
logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1  MSKWTINKTLGCAAIVGAFILSGCQTVP.TTKDPEKGVKVRTQLAAEYIKSGDLDSAKRALDQALKVNPKDSSANMMMGVLLQQE   84
NTDB id 37693 AOLE RS16950 WP 023274324.1  .MSTPKLKTVLCMGVAVAFLVSGCQTTHVQKKDPEKAVKVRTQLAAEHIRSGDLDSAKRALDQALSVDSRDATANMMMGILLQQE   84
NTDB id 1051 ABD1 RS02465 WP 004738086.1  .MSTPKLKIMLCMGVAVALLASGCQTSQTVKKDPEKAVKVRTQLAAEYIRSGDLDSAKRSLDQALSVDSRDATANMMMGILLQQE   84
consensus                                  ******!***!*****!***!!!!!*    *!!!!!*!!!!!!!!!!*!*!!!!!!!!*!!!!!*!***!**!!!!!*!!!!!

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1  GSRPNLEKADAYFERAVQLDPENAQAHNNYGTYLYQMKRYHDAIQQLTLAGSSLGYDQRYRALENIGRIYLHLGGVANAEKMFSQ  169
NTDB id 37693 AOLE RS16950 WP 023274324.1  GSKPNLEKAEHYFKRAISSELDNAQAHNNYGTYLYQMERYNDAIEQFRIAGTTLGYDQRYQALENLGRIYLKLGDVTNAEKTFKQ  169
NTDB id 1051 ABD1 RS02465 WP 004738086.1  GSKPNLEKAEHYFKRAISSEPDNAQARNNYGTYLYQMERYNDAIEQFRIAGATLGYDQRYQALENLGRIYLKLGDIASAEKTFKQ  169
consensus                                  !!*!!!!!!**!!*!!******!!!!*!!!!!!!!!!*!!*!!!*!***!!*!!!!!!!!*!!!!*!!!!!*!!****!!!*!*!

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1  ALQANRDSSVSMLELAEIYYLQQRIPAATGMYEQYVRTVGQKNQGARALWIGIRVARANADRTGVQVLVNQLRIFYPDSSEYQRY  254
NTDB id 37693 AOLE RS16950 WP 023274324.1  ALLANRDSYISMLELAEIFYLQQQIPAATQMYEQYVRTVGQKNQGARALWIGVRVARANADKMGMQVLVNQLRALFPESPEYQRY  254
NTDB id 1051 ABD1 RS02465 WP 004738086.1  ALLANRDSYISMLELAEIFYLQQQIPAATQMYEQYVRTVGQKNQGARALWIGLRVARANADKMGMQVLVNQLRALFPESPEYQRY  254
consensus                                  !!*!!!!!**!!!!!!!!*!!!!*!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!**!*!!!!!!!!***!*!*!!!!!

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1  LKLQYSTEAVWK   266
NTDB id 37693 AOLE RS16950 WP 023274324.1  LQLQYSTEAVWK   266
NTDB id 1051 ABD1 RS02465 WP 004738086.1  LQLQYSTEAVWK   266
consensus                                  !*!!!!!!!!!!
```

X non conserved

X similar

X ≥ 50% conserved