```
logo

NTDB id 1035275 PCA50 RS16880 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                                     !! ****!***!*****!** !!!!!**!**!!!!!*!!!!!!!!!!!!*!!!!!!!!!!*!!!!!*!***!**!!!!!!*

logo

NTDB id 1035275 PCA50 RS16880 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                                     !!!!!!!*!!!!!!**!!*!!****!*!!!!*!!!!!!!!!!*!!*!!!*!***!!**!!!!!!!*!!!!*!!!!!*!!*

logo

NTDB id 1035275 PCA50 RS16880 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 1035275 PCA50 RS16880 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 $\geq$ 50% conserved