```
logo

NTDB id 1060365 ACFN7Z RS02595 WP 004697674.1  .MKKPVSKLYLALTLGVSVWYLVGCQTVNT.KGDPSKAVQVRTQLAAEYIKSNDYDAAKRTLDQALDIDSRDASANMMMG   78
NTDB id 1051 ABD1 RS02465 WP 004738086.1       MS.TPKLKIMLCM.GVAVALLASGCQTSQTVKKDPEKAVKVRTQLAAEYIRSGDLDSAKRSLDQALSVDSRDATANMMMG   78
NTDB id 1017 ACIAD RS02540 WP 011182074.1      MSKWTINKTLGCA.AIVGAFILSGCQTVPT.TKDPEKGVKVRTQLAAEYIKSGDLDSAKRALDQALKVNPKDSSANMMMG   78
consensus                                      *** ** !***** *** *****!!!!*! **!!*!*!*!!!!!!!!!!*!*!*!!!*!!!!! ****!**!!!!!!

logo

NTDB id 1060365 ACFN7Z RS02595 WP 004697674.1  VLLQREGSPQNVEKAERYFKHAIAAEPKNAQARNNYGTYLYQIGRYNDAIDQLQVAGSTLGYDQRYRALENLGRAYLQVG  158
NTDB id 1051 ABD1 RS02465 WP 004738086.1       ILLQQEGSKPNLEKAEHYFKRAISSEPDNAQARNNYGTYLYQMERYNDAIEQFRIAGATLGYDQRYQALENLGRIYLKLG  158
NTDB id 1017 ACIAD RS02540 WP 011182074.1      VLLQQEGSRPNLEKADAYFERAVQLDPENAQAHNNYGTYLYQMKRYHDAIQQLTLAGSSLGYDQRYRALENIGRIYLHLG  158
consensus                                      *!!!*!!!**!*!!!* !!**!*  *!*!!!!*!!!!!!!!!* !!*!!!*!* *!!**!!!!!!!*!!!!*!!*!! *!

logo

NTDB id 1060365 ACFN7Z RS02595 WP 004697674.1  RVAEAEAAFKQALQVNSGAYLAMIEMAEISYLRQQNAEATQYYEQFVRAVGEKNLDARALWIGIRIARANHDTMGSQVLV  238
NTDB id 1051 ABD1 RS02465 WP 004738086.1       DIASAEKTFKQALLANRDSYISMLELAEIFYLQQQIPAATQMYEQYVRTVGQKNQGARALWIGLRVARANADKMGMQVLV  238
NTDB id 1017 ACIAD RS02540 WP 011182074.1      GVANAEKMFSQALQANRDSSVSMLELAEIYYLQQRIPAATGMYEQYVRTVGQKNQGARALWIGIRVARANADRTGVQVLV  238
consensus                                       *! !!* !*!!!**!*****!*!*!!!*!!*!****!!**!!!*!!*!!*!!**!!!!!!!*!*!!!!*!**!*!!!!

logo

NTDB id 1060365 ACFN7Z RS02595 WP 004697674.1  NQLRALYPDSQEYKRYLQLQYTTEAVWK   266
NTDB id 1051 ABD1 RS02465 WP 004738086.1       NQLRALFPESPEYQRYLQLQYSTEAVWK   266
NTDB id 1017 ACIAD RS02540 WP 011182074.1      NQLRIFYPDSSEYQRYLKLQYSTEAVWK   266
consensus                                      !!!!***!*! !!*!!!*!!!*!!!!!!
```

X non conserved

X similar

X $\geq$50% conserved