```
logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1     MSKWTINKTLGCAAIVGAFILSGCQTVP..TTKDPEKGVKVRTQLAAEYIKSGDLDSAKRALDQALKVNPKDSSANMMMG   78
NTDB id 155747 AMQ28 RS05765 WP 228137553.1  ..................MAACQTQSTLGKKDPEKAIQVRTQLAAEYIKTGDLDSAKRALDQALEIESRDSAANMMMG   60
NTDB id 1051 ABD1 RS02465 WP 004738086.1     MS.TPKLKIMLCMGVAVALLASGCQTS.QTVKKDPEKAVKVRTQLAAEYIRSGDLDSAKRSLDQALSVDSRDATANMMMG   78
consensus                                    **      * * * **   * ****!!!     *!!!!!***!!!!!!!!!!**!!!!!!!!*!!!!! ****!**!!!!!!

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1     VLLQQEGSRPNLEKADAYFERAVQLDPENAQAHNNYGTYLYQMKRYHDAIQQLTLAGSSLGYDQRYRALENIGRIYLHLG   158
NTDB id 155747 AMQ28 RS05765 WP 228137553.1  ILLQQEGSKVSMDKADAYFKRAISADPKNAQARNNYGTYLYQTERYNEAIEQLNVAGTTLGYDQRFRALENVGRIYLKIG   140
NTDB id 1051 ABD1 RS02465 WP 004738086.1     ILLQQEGSKPNLEKAEHYFKRAISSEPDNAQARNNYGTYLYQMERYNDAIEQFRIAGATLGYDQRYQALENLGRIYLKLG   158
consensus                                    *!!!!!!!*****!!**!!*!!** *!*!!!!*!!!!!!!!!**!!**!!*!* *!!**!!!!!!**!!!!*!!!!!**!

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1     GVANAEKMFSQALQANRDSSVSMLELAEIYYLQQRIPAATGMYEQYVRTVGQKNQGARALWIGIRVARANADRTGVQVLV   238
NTDB id 155747 AMQ28 RS05765 WP 228137553.1  DVANAEKSFKQALQANRDSYISMLELSEIFYLKQQTAAATQLYEQFARGVGQKNQGARALWIGIRIARANSDKMGMQVLV   220
NTDB id 1051 ABD1 RS02465 WP 004738086.1     DIASAEKTFKQALLANRDSYISMLELAEIFYLQQQIPAATQMYEQYVRTVGQKNQGARALWIGLRVARANADKMGMQVLV   238
consensus                                    **!*!!!*!*!!!*!!!!!**!!!!!*!!*!!*!***!!!**!!!**!*!!!!!!!!!!!!!!!*!*!!!!!*!**!*!!!!

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1     NQLRIFYPDSSEYQRYLKLQYSTEAVWK   266
NTDB id 155747 AMQ28 RS05765 WP 228137553.1  NQLRALFPESPEYQRYLQLQYSTEAVWK   248
NTDB id 1051 ABD1 RS02465 WP 004738086.1     NQLRALFPESPEYQRYLQLQYSTEAVWK   266
consensus                                    !!!!***!*!*!!!!!!*!!!!!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved