```
NTDB id 1017 ACIAD RS02540 WP 011182074.1      MSKWTINKTLGCAAIVGAFILSGCQTVPT.TKDPEKGVKVRTQLAAEYIKSGDLDSAKRALDQALKVNPKDSSANMMMGV   79
NTDB id 1039354 ACDI99 RS02165 WP 005016505.1  MRKPVYKTFVLLTVTLSALLVTACQTPDTLSKDPEKAVKVRTQLAAEYIKSGDLDAAKRALDQALEVDSRDATANMMMGV   80
NTDB id 1051 ABD1 RS02465 WP 004738086.1       MSTPKLKIMLCMG.VAVALLASGCQTSQTVKKDPEKAVKVRTQLAAEYIRSGDLDSAKRSLDQALSVDSRDATANMMMGI   79
consensus                                      !*** **  * ** ** !******!!!  !**!!!!!*!!!!!!!!!!!!*!!!!!*!!!*!!!!! !***!**!!!!!!*
```

```
NTDB id 1017 ACIAD RS02540 WP 011182074.1      LLQQEGSRPNLEKADAYFERAVQLDPENAQAHNNYGTYLYQMKRYHDAIQQLTLAGSSLGYDQRYRALENIGRIYLHLGG  159
NTDB id 1039354 ACDI99 RS02165 WP 005016505.1  LLQQEGSQLNLDKAESYFRRSISIEPKNAQARNNYGAYLYQIGRYKDAIEQLEIAGATLGYEQRYQALENLGRIYLKLGN  160
NTDB id 1051 ABD1 RS02465 WP 004738086.1       LLQQEGSKPNLEKAEHYFKRAISSEPDNAQARNNYGTYLYQMERYNDAIEQFRIAGATLGYDQRYQALENLGRIYLKLGD  159
consensus                                      !!!!!!!**!!*!!* !!*!****!*!!!!*!!!!*!!!!* !! !!!*!* *!!**!!!*!!!*!!!!*!!!!!*!!
```

```
NTDB id 1017 ACIAD RS02540 WP 011182074.1      VANAEKMFSQALQANRDSSVSMLELAEIYYLQQRIPAATGMYEQYVRTVGQKNQGARALWIGIRVARANADRTGVQVLVN  239
NTDB id 1039354 ACDI99 RS02165 WP 005016505.1  VANAEKTFKQALQANRDSSISMLELAEIFYLRQQIPAATQLYEQYVRRVGQKNQGARALWIGIRIARANDDKMGTQVLVN  240
NTDB id 1051 ABD1 RS02465 WP 004738086.1       IASAEKTFKQALLANRDSYISMLELAEIFYLQQQIPAATQMYEQYVRTVGQKNQGARALWIGLRVARANADKMGMQVLVN  239
consensus                                      *!*!!!*!*!!!*!!!!!**!!!!!!!!!*!!*!*!!!!!**!!!!!!*!!!!!!!!!!!!!!!!*!*!!!!*!**!*!!!!!
```

```
NTDB id 1017 ACIAD RS02540 WP 011182074.1      QLRIFYPDSSEYQRYLKLQYSTEAVWK   266
NTDB id 1039354 ACDI99 RS02165 WP 005016505.1  QLRALFPDSQEYQRYLQLQHSTEAVWK   267
NTDB id 1051 ABD1 RS02465 WP 004738086.1       QLRALFPESPEYQRYLQLQYSTEAVWK   266
consensus                                      !!!***!*!  !!!!!!*!!*!!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved