```
logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1        MSKWTINKTLGCAAIVGAFILSGCQTVP...TTKDPEKGVKVRTQLAAEYIKSGDLDSAKRALDQALKVNPKDSSANMMM   77
NTDB id 1106884 ACLKM6 RS02490 WP 104470591.1   MYKFTT.ISTLCV...AAWMSTGCQTTTPTLSPKDPEKAIQVRTQLAAEYLKSGDLDSAKRALDQALETDSRDSMANMMM   76
NTDB id 1051 ABD1 RS02465 WP 004738086.1        MSTPKL.KIMLCMGVAVALLASGCQTSQ..TVKKDPEKAVKVRTQLAAEYIRSGDLDSAKRSLDQALSVDSRDATANMMM   77
consensus                                        !***** ****!*** *!** *!!!!*     * !!!!!***!!!!!!!!!**!!!!!!!!!*!!!!! ****!**!!!!!

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1        GVLLQQEGSRPNLEKADAYFERAVQLDPENAQAHNNYGTYLYQMKRYHDAIQQLTLAGSSLGYDQRYRALENIGRIYLHL   157
NTDB id 1106884 ACLKM6 RS02490 WP 104470591.1   GVLLQQEGSKLNLEKADTYFKRAISADPNNAQARNNYGTYLYQVERYNDAIEQLSIAGATLGYDQRFRALENVGRIYLKL   156
NTDB id 1051 ABD1 RS02465 WP 004738086.1        GILLQQEGSKPNLEKAEHYFKRAISSEPDNAQARNNYGTYLYQMERYNDAIEQFRIAGATLGYDQRYQALENLGRIYLKL   157
consensus                                        !*!!!!!!!**!!!!!* !!*!!** *!*!!!!*!!!!!!!!!!**!!*!!!!*!***!!**!!!!!!**!!!!*!!!!!*!

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1        GGVANAEKMFSQALQANRDSSVSMLELAEIYYLQQRIPAATGMYEQYVRTVGQKNQGARALWIGIRVARANADRTGVQVL   237
NTDB id 1106884 ACLKM6 RS02490 WP 104470591.1   GDMANAEKSFKQALQANRDSYVSMLELAEIFYFNQQTPAASRMYEQFVRAVGQKNQGARALWIGIRVARANGDQLGQQVL   236
NTDB id 1051 ABD1 RS02465 WP 004738086.1        GDIASAEKTFKQALLANRDSYISMLELAEIFYLQQQIPAATQMYEQYVRTVGQKNQGARALWIGLRVARANADKMGMQVL   237
consensus                                        !**!*!!!*!*!!!*!!!!!**!!!!!!!!*!**!**!!!* !!!!*!!*!!!!!!!!!!!!!!!*!!!!!!*!**!*!!!

logo

NTDB id 1017 ACIAD RS02540 WP 011182074.1        VNQLRIFYPDSSEYQRYLKLQYSTEAVWK   266
NTDB id 1106884 ACLKM6 RS02490 WP 104470591.1   VNQLRALFPESQEYQRYLQLQHSTEAVWK   265
NTDB id 1051 ABD1 RS02465 WP 004738086.1        VNQLRALFPESPEYQRYLQLQYSTEAVWK   266
consensus                                        !!!!!***!*! !!!!!!*!!*!!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved