```
logo

NTDB id 73743 ACRAD RS04855 WP 005014956.1   MNSNFSQL....STDALSPGQLPESVKALLKRAKINRFPKRTTIIDAGTESKSLYLILKGSVSIVLREDDDREIVVAYLN   76
NTDB id 1077 ABD1 RS06150 WP 000203218.1     MTSNFSQL....STDALSPGQLPESVKALLKRAHINRYPKRTTIVDAGTESKSLYLILKGSVSIILREDDEREIVVAYLN   76
NTDB id 1145 A1552VC RS12025 WP 000242749.1  ..............MVLGKPQTDPTLEWFLSHCHIHKYPSKSTLIHAGEKAETLYYIVKGSVAVLIKDEEGKEMILSYLN   66
NTDB id 1409 HI 0957 AAC22618.1              MSNELTEIDEVVTSSQEEATQRDPVLDWFLTHCHLHKYPAKSTLIHAGEDATTLYYVIKGSVMVSSKDDEGKEMILTYLG   80
consensus                                    *******    ********!******  !********!***!***!! * **!! **!!!!**********!****!!*

logo

NTDB id 73743 ACRAD RS04855 WP 005014956.1   PGDFFGEMGLFEANPQRTAEVRTREMCEIAEISYENFHELSKQFPDLSYAVFAQLVRRLKNTTRKVTDLAFIDVSGRIAR   156
NTDB id 1077 ABD1 RS06150 WP 000203218.1     PGDFFGEMGLFEPNPQRTAEVRTRDVCEIAEISYDNFHELSKQYPDLSYAVFAQLVRRLKNTTRKMTDLAFIDVSGRIAR   156
NTDB id 1145 A1552VC RS12025 WP 000242749.1  QGDFIGELGLFEEGQERTAWVRAKTPCEVAEISFKKFRQLIQVNPDILMRLSGQMARRLQVTSQKVGDLAFLDVTGRIAQ   146
NTDB id 1409 HI 0957 AAC22618.1              AGQFFGEAGLFDEGSKRSAWVKTKTTCEIAEISYKKYRQLIQANPEILMFLTAQLARRLQNTSRQVTNLAFLDVAGRIAQ   160
consensus                                    *!*!*!!*!!!** **!*! !*****!!*!!!!** ** !  **!**  ****!* !!! *!******!!!*!!*!!!!

logo

NTDB id 73743 ACRAD RS04855 WP 005014956.1   CLIDLASQPEAMILPNGRQIRITRQEIGRIVGCSREMVGRVLKTLEEQGMIETEGKAILIFDSSLEQNNESSASDFDTED   236
NTDB id 1077 ABD1 RS06150 WP 000203218.1     CLIDLSSQPEAMILPNGRQIRITRQEIGRIVGCSREMVGRVLKTLEDQGMIQTDGKAILIFDTSLEETPVTD.EDYDEEE   235
NTDB id 1145 A1552VC RS12025 WP 000242749.1  TLLNLARQPDAMTHPDGMQIKITRQEIGQIVGCSRETVGRILKMLEEQNLISAHGKTIVVYGTR................   210
NTDB id 1409 HI 0957 AAC22618.1              TLMNLAKQPEAMTHPDGMQIKITRQEIGQMVGCSRETVGRIIKMLEDQNLIHAHGKTIVVYGAR................   224
consensus                                    *!* !**!!*!! *! ! !!*!!!!!!! *!!!!!! !!!**! !!*! *!  *!! !*** * **    *   *** **

logo

NTDB id 73743 ACRAD RS04855 WP 005014956.1   EE   238
NTDB id 1077 ABD1 RS06150 WP 000203218.1     ..   235
NTDB id 1145 A1552VC RS12025 WP 000242749.1  ..   210
NTDB id 1409 HI 0957 AAC22618.1              ..   224
consensus
```

X non conserved

X similar

X $\geq$ 50% conserved