```
logo

NTDB id 1166 A1552VC RS00795 WP 000168289.1  MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
NTDB id 624 LCA RS00040 WP 011373726.1       ....MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANG...DREADFINCVIWRKSAENFANFTKKGSLVGV   73
NTDB id 228008 CA207 RS11985 WP 041636241.1 ....MLNRVVLVGRLTKDPEYRVTTSGVSVATFTLAVNRTFTNAQG...ERQADFINCVVFRKQAENVNNFLHKGSLAGV   73
NTDB id 113 BSU 40900 NP 391970.1            ....MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG...EREADFINCVTWRRQAENVANFLKKGSLAGV   73
NTDB id 112 BSU 36310 NP 391512.2            ....MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASG...EIEADYVNCTLWRKTAENTALYCQKGSLVGV   73
consensus                                        **!*!*!*!*!**!***!****!**!*****!******** *   ************ !!* *****!!!****

logo

NTDB id 1166 A1552VC RS00795 WP 000168289.1  EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQ.GGMNVPAQQGSWGQPQQPAKQHQPMQQ.....S   154
NTDB id 624 LCA RS00040 WP 011373726.1       DGRLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSN.....QSNGSQQSGFTSPQ.QTGNAPAAN   147
NTDB id 228008 CA207 RS11985 WP 041636241.1 DGRLQSRSYDNQEGRKVYVTEVVCDSVQFLEPKNTNQSRTNSPSDDYSS....YDQGSYGQTQGQNQNYQSSNNQQSNTS   149
NTDB id 113 BSU 40900 NP 391970.1            DGRLQTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGGGQYFGGGQNDNPFGGNQNN....QRRNQGN   149
NTDB id 112 BSU 36310 NP 391512.2            SGRIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................   113
consensus                                    *!**!*! **** !*****!!!* *********       *                ** ** *    * *   *

logo

NTDB id 1166 A1552VC RS00795 WP 000168289.1  APQQYSQPQYNEPPMDFDDDIPF   177
NTDB id 624 LCA RS00040 WP 011373726.1       NTQADPFANNGQAIDISDDDLPF   170
NTDB id 228008 CA207 RS11985 WP 041636241.1  APSNNPFANATGPIDISDDDLPF   172
NTDB id 113 BSU 40900 NP 391970.1            SFNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2            .......................   113
consensus                                      *  ****   ***********
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X non conserved

X similar

X $\geq$ 50% conserved