```
logo
NTDB id 624 LCA RS00040 WP 011373726.1          ....MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNAN.GDR..EADFINCVIWRKSAENFANFTKKGSLVGV   73
NTDB id 112 BSU 36310 NP 391512.2               ....MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNAS.GEI..EADYVNCTLWRKTAENTALYCQKGSLVGV   73
NTDB id 1093081 ACMGE5 RS03180 WP 414045400.1  ....MLNRVVLVGRLTKDPEYRVTPSGVSVATFTLAVNRTFTNAQ.GER..QADFINCVVFRKQAENVNNFLSKGSLAGV   73
NTDB id 113 BSU 40900 NP 391970.1               ....MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQS.GER..EADFINCVTWRRQAENVANFLKKGSLAGV   73
NTDB id 1390 A4U84 RS00055 WP 021115958.1       ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
NTDB id 1166 A1552VC RS00795 WP 000168289.1     MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                           **!*!***!*!**!***!*** !**!** **!***** *    !**    ********** !!* *****!!!****

logo
NTDB id 624 LCA RS00040 WP 011373726.1          DGRLQTRNYENQQGQRVYVTEVVV....DNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQQS..........GFTSPQQ   139
NTDB id 112 BSU 36310 NP 391512.2               SGRIQTRSYENEEGVNVYVTEVLA....DTVRFMDPKPREKAAD....................................   113
NTDB id 1093081 ACMGE5 RS03180 WP 414045400.1  DGRLQSRSYDNQEGRRVYVTEVVC....DSVQFLEPKNANQGRSNNDPGQDYSSYDQGNYGQ......QTQGQNY..QSN   141
NTDB id 113 BSU 40900 NP 391970.1               DGRLQTRNYENQQGQRVFVTEVQA....ESVQFLEPKNGGGSGSG........GYNEGNSGGGQYFGGGQNDNPFGGNQN   141
NTDB id 1390 A4U84 RS00055 WP 021115958.1       EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFN....   150
NTDB id 1166 A1552VC RS00795 WP 000168289.1     EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQGGM...NVPAQ....QGSWGQPQQPAKQHQ....   149
consensus                                       *!****! **** !* ***!!**     * ** ** *       *                 *           *

logo
NTDB id 624 LCA RS00040 WP 011373726.1          TGNAPAANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2               ................................   113
NTDB id 1093081 ACMGE5 RS03180 WP 414045400.1  NQQQSNTSAPSTNPFANATGPIDISDDDLPF   172
NTDB id 113 BSU 40900 NP 391970.1               NQRRNQGNSFNDDPFANDGKPIDISDDDLPF   172
NTDB id 1390 A4U84 RS00055 WP 021115958.1       .GGNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 1166 A1552VC RS00795 WP 000168289.1     ...PMQQSAPQQYSQPQYNEPPMDFDDDIPF   177
consensus                                                 * **   ***  ******
```

X non conserved

X similar

X $\geq$ 50% conserved