```
logo

NTDB id 1131 NGFG RS05740 WP 003695064.1      MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDRNGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYLEGRI    80
NTDB id 624 LCA RS00040 WP 011373726.1        .MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDR..EADFINCVIWRKSAENFANFTKKGSLVGVDGRL    77
NTDB id 364505 FED51 RS20890 WP 053432362.1   .MLNRVVLVGRLTRDPELRYTPNGVAVANFTLAVNRPFSNQQGER..EADFINCVVWRKQAENVANYLKKGSLAGVDGRI    77
NTDB id 113 BSU 40900 NP 391970.1             .MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGER..EADFINCVTWRRQAENVANFLKKGSLAGVDGRL    77
NTDB id 112 BSU 36310 NP 391512.2             .MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEI..EADYVNCTLWRKTAENTALYCQKGSLVGVSGRI    77
consensus                                      **!*!*!*!!!**!***!!***!*!!* ***!******** *!**  *****!****!* !!* *****!!*!****!!*

logo

NTDB id 1131 NGFG RS05740 WP 003695064.1      QSRKYQGKDGIERTAYDIVANEMKMLGGRNENS.GGAPYDEGYGQSQEAYQRPAQQSRQPAPDAPSHPQE...APAAPR.   155
NTDB id 624 LCA RS00040 WP 011373726.1        QTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGD......GASQNFNSN..QSNGSQQSGFTSPQQTGNAPAANNT   149
NTDB id 364505 FED51 RS20890 WP 053432362.1   QTRSYDNNEGRRVFVTEVMAESVQFLEPRGSQSQGGS........NVDNFGGG..SPNNPMGGNDFGQQSGGSGRQSGGF   147
NTDB id 113 BSU 40900 NP 391970.1             QTRNYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSGGYNEGNSGGGQYFGGG..QNDNPFGGNQNNQR....RNQGNSF   151
NTDB id 112 BSU 36310 NP 391512.2             QTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.........................................   113
consensus                                     !*! !****! ************ *****     * *            *     *  **        *    *  *

logo

NTDB id 1131 NGFG RS05740 WP 003695064.1      .RQP.VPAAAPVEDIDDDIPF   174
NTDB id 624 LCA RS00040 WP 011373726.1        QADPFANNGQAIDISDDDLPF   170
NTDB id 364505 FED51 RS20890 WP 053432362.1   AEDPFANDGKPIDISDDDLPF   168
NTDB id 113 BSU 40900 NP 391970.1             NDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2             ......................   113
consensus                                       ***** * ***********
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X non conserved

X similar

X $\geq$ 50% conserved