```
logo
NTDB id 1103 NMB RS07590 WP 002212976.1     MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDRNGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYLEGRIQSRKY   85
NTDB id 624 LCA RS00040 WP 011373726.1      .MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGDR..EADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTRNY   82
NTDB id 112 BSU 36310 NP 391512.2           .MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGEI..EADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTRSY   82
NTDB id 60083 HK88 RS00650 WP 023552271.1   .MMNRVVLVGRLTKDPDLRYTPAGAAVATFTLAVNRPFKNAQGEQ..EADFINCVVWRKPAENVANFLKKGSMAGVDGRVQTRNY   82
NTDB id 113 BSU 40900 NP 391970.1           .MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGER..EADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTRNY   82
consensus                                    **!*!*!*!!!**!***!!** !*!!*****!***** ***!**  *****!***!* !!* *****!!******!!*!*!*!
```

```
logo
NTDB id 1103 NMB RS07590 WP 002212976.1     QGKDGIERTAYDIVANEMKMLGGRNENSG................GAPYEEGYGQSQEAYQRPAQQSRQPASDAPSHPQEAPAAP   154
NTDB id 624 LCA RS00040 WP 011373726.1      ENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNG........SQQSGFTSPQQTGNAPAANNT...QADP...   153
NTDB id 112 BSU 36310 NP 391512.2           ENEEGVNVYVTEVLADTVRFMDPKPREKAAD.............................................   113
NTDB id 60083 HK88 RS00650 WP 023552271.1   EDNDGKRVFVTEVVAESVQFLEPKNNPGRAST.....NDYQN..............KANYSNNIQTSSYAADASQ...KGGA...   142
NTDB id 113 BSU 40900 NP 391970.1           ENQQGQRVFVTEVQAESVQFLEPKNGGGSGSG.....GYNEGNSGGGQYF.GGGQNDNPFGGNQNNQRRNQGNSF...NDDP...   155
consensus                                   ****! *********** ******    *               *             *    *     *       *  *
```

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logo
NTDB id 1103 NMB RS07590 WP 002212976.1     RRQPVPAAAPVEDIDDDIPF   174
NTDB id 624 LCA RS00040 WP 011373726.1      ...FANNGQAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2           ......................   113
NTDB id 60083 HK88 RS00650 WP 023552271.1   ...FVNDSKPIDIPDDDLPF   159
NTDB id 113 BSU 40900 NP 391970.1           ...FANDGKPIDISDDDLPF   172
consensus                                     * * * **** ******
```

X non conserved

X similar

X $\geq$ 50% conserved