```
logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEG    80
NTDB id 624 LCA RS00040 WP 011373726.1        ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANG.D..READFINCVIWRKSAENFANFTKKGSLVGVDG    75
NTDB id 112 BSU 36310 NP 391512.2             ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASG.E..IEADYVNCTLWRKTAENTALYCQKGSLVGVSG    75
NTDB id 404438 GL301 RS00270 WP 003721668.1   ..MMNRVVLVGRLTKDPELRYTPAGVAVATFTLAVNRTFTNQQG.E..READFINCVVWRKPAENVANFLKKGSMAGVDG    75
NTDB id 113 BSU 40900 NP 391970.1             ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSG.E..READFINCVTWRRQAENVANFLKKGSLAGVDG    75
consensus                                       **!*!**!!*!**!***!***  !*!!*****!*******  * *  *********!*!* !!* *****!!!***!*!
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logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     KLKTRKWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYS..DNYAQNNNFNGG.....N   153
NTDB id 624 LCA RS00040 WP 011373726.1        RLQTRNYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGASQNF....NSNQS........NGSQQSGFTSPQQTGNA   143
NTDB id 112 BSU 36310 NP 391512.2             RIQTRSYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.......................................   113
NTDB id 404438 GL301 RS00270 WP 003721668.1   RVQTRNYEGNDGKRVYVTEIVAESVQFLEPRNSNGGGGNNYQSGNN....NNNYNSGGNNFGQAPTNNGGFGQDQQQSQN   151
NTDB id 113 BSU 40900 NP 391970.1             RLQTRNYENQQGQRVRVTEVQAESVQFLEPKNGGGSGSGGYNEGNS....GG.....GQYFGG.GQNDNPFGGNQNNQRR   145
consensus                                     ***!!******!*****!!************* * * * *   ***     * *    *        **  *   **
```

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logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     ATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 624 LCA RS00040 WP 011373726.1        PAANNTQADPFANNGQAIDISDDDLPF   170
NTDB id 112 BSU 36310 NP 391512.2             ............................   113
NTDB id 404438 GL301 RS00270 WP 003721668.1   QNYQSTNNDPFASDGKPIDISDDDLPF   178
NTDB id 113 BSU 40900 NP 391970.1             NQGNSFNDDPFANDGKPIDISDDDLPF   172
consensus                                       *  * ***** * ***********
```

X non conserved

X similar

X $\geq$ 50% conserved