```
logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1   MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYVEGKLKTR   85
NTDB id 1471 ASU2 RS04565 WP 014991634.1   MAGINKVIIVGNLGNDPEMRTMPNGEAVANISVATSESWTDKNTGERREVTEWHRIVFYRRQAEVAGQYLRKGSQVYVEGRLKTR   85
NTDB id 624 LCA RS00040 WP 011373726.1     ..MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNANGD.R..EADFINCVIWRKSAENFANFTKKGSLVGVDGRLQTR   80
NTDB id 53823 K6J91 RS21855 WP 003219228.1 ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGE.R..EADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
NTDB id 113 BSU 40900 NP 391970.1          ..MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQSGE.R..EADFINCVTWRRQAENVANFLKKGSLAGVDGRLQTR   80
NTDB id 112 BSU 36310 NP 391512.2          ..MFNQVMLVGRLTKDPDLRYTSAGAAVAHVTLAVNRSFKNASGE.I..EADYVNCTLWRKTAENTALYCQKGSLVGVSGRIQTR   80
consensus                                   **!*!**!!*!**!***!****!*!!** **!*******  **  *  ******** *!**!!* *****!!!***!*!***!!
```

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logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1   KWQDQNGQDRYTTEIQGDVLQMLDSRSSGGDFGGNQGSGWNQAPA.QTNYNQGGYSDN...........Y...AQNNNFNGGNAT   155
NTDB id 1471 ASU2 RS04565 WP 014991634.1   KWQDQNGQDRYTTEIQGDVLQMLGGRNQGGDFGGNQGGWGNSAPAPQQSYNQGNSGYG...........Y...DQTASRPA...Q   153
NTDB id 624 LCA RS00040 WP 011373726.1     NYENQQGQRVYVTEVVVDNFSLLESRTTTEQRQGDGA.........SQNFNSNQSNGSQ.......QSGFTSPQQTGNAPAAN..   147
NTDB id 53823 K6J91 RS21855 WP 003219228.1 NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSG..............GYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGN..   149
NTDB id 113 BSU 40900 NP 391970.1          NYENQQGQRVFVTEVQAESVQFLEPKNGGGSGSG..............GYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGN..   149
NTDB id 112 BSU 36310 NP 391512.2          SYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.............................................   113
consensus                                   *****!* ***!!**** ** ** *  **   *                ** ***              *    *      **
```

```
logo
NTDB id 1390 A4U84 RS00055 WP 021115958.1   RPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 1471 ASU2 RS04565 WP 014991634.1   QAAKQAAKPAQAEPPMDNFDDDIPF   178
NTDB id 624 LCA RS00040 WP 011373726.1     ..NTQADPFANNGQAIDISDDDLPF   170
NTDB id 53823 K6J91 RS21855 WP 003219228.1 ..SFNDDPFANDGKPIDISDDDLPF   172
NTDB id 113 BSU 40900 NP 391970.1          ..SFNDDPFANDGKPIDISDDDLPF   172
NTDB id 112 BSU 36310 NP 391512.2          ........................   113
consensus                                      *  * **   ***  ******
```

X non conserved
X similar
X ≥ 50% conserved