logo

```
NTDB id 1103 NMB RS07590 WP 002212976.1        ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGLVYL   76
NTDB id 1131 NGFG RS05740 WP 003695064.1       ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGLVYL   76
NTDB id 1390 A4U84 RS00055 WP 021115958.1      ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
NTDB id 55363 B479 RS02940 WP 013970644.1      .MARGVNKVILVGTCGQDPEVRYLPNGNAVTNLSLATSEQWTDKQSGQKVERTEWHRVSLFGKVAEIAGEYLRKGSQCYI   79
NTDB id 1166 A1552VC RS00795 WP 000168289.1    MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                          **!!!!**! *!*!!**!**!*!*!! ****!!!!*!*!* *!***!*!!!!!*******!!*!!*!!*!!* *!*
```

logo

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NTDB id 1103 NMB RS07590 WP 002212976.1        EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNEN..SGGAPYEEGYGQSQEA..YQR.PAQQSRQPASDAPSHP   147
NTDB id 1131 NGFG RS05740 WP 003695064.1       EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNEN..SGGAPYDEGYGQSQEA..YQR.PAQQSRQPAPDAPSHP   147
NTDB id 1390 A4U84 RS00055 WP 021115958.1      EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNN....NFN   150
NTDB id 55363 B479 RS02940 WP 013970644.1      EGKLQTREWEKD.GIKRYTTEIIV.DINGTMQLLGGRPQNQQQGGDPYN......QGGGNYGGGQPQQYNQAPRQQAPRP   151
NTDB id 1166 A1552VC RS00795 WP 000168289.1    EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQ...GGMPAQGGMNVPAQQGSWGQ..PQQ...PAKQHQPMQ   152
consensus                                      !!****!***   !**!*******      ***!**!  *   !! **  *    * *  **    **  ***     *
```

logo

```
NTDB id 1103 NMB RS07590 WP 002212976.1        QEAPA...APRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1       QEAPA...APRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1      GGNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 55363 B479 RS02940 WP 013970644.1      QQAPQRP.APQQPAPQPAADFDSFDDDIPF   180
NTDB id 1166 A1552VC RS00795 WP 000168289.1    QSAPQ.....QYSQPQYNEPPMDFDDDIPF   177
consensus                                      * **    ****   *********!!!!!!
```

X non conserved

X similar

X $\geq 50\%$ conserved