```
logo
NTDB id 1103 NMB RS07590 WP 002212976.1       ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1131 NGFG RS05740 WP 003695064.1      ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1390 A4U84 RS00055 WP 021115958.1     ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
NTDB id 987093 AAFQ03 RS24690 WP 004151744.1 MASRGVNKVILVGNLGQDPEVRYMPSGGAVANFTLATSESWRDKQTGEMKEQTEWHRVVLFGKLAEVAGEYLRKGSQVYI   80
NTDB id 1166 A1552VC RS00795 WP 000168289.1  MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                        **!!!!**!*!!*!!**!*!!*!*!!*****!!!!*!*!* *!***!*!!!!********!!*!!*!!*!!* !!*
```

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logo
NTDB id 1103 NMB RS07590 WP 002212976.1       EGRIQSRKYQGKDGIERTAYDIV....ANEMKMLGGRNENSGGAPYE.........EGYGQSQE.......AYQRPAQQS   136
NTDB id 1131 NGFG RS05740 WP 003695064.1      EGRIQSRKYQGKDGIERTAYDIV....ANEMKMLGGRNENSGGAPYD.........EGYGQSQE.......AYQRPAQQS   136
NTDB id 1390 A4U84 RS00055 WP 021115958.1     EGKLKTRKWQDQNGQDRYTTEIQ....GDVLQMLDSRSSGGD.FGG.......NQGSGWNQAPAQTNYNQGGYSDNYAQN   146
NTDB id 987093 AAFQ03 RS24690 WP 004151744.1 EGQLRTRKWTDQSGQDKYTTEVVVN.VGGTMQMLGGRQG.GG.APAGGG....QQQGGWGQPQ............QPQGG   141
NTDB id 1166 A1552VC RS00795 WP 000168289.1  EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGG.MPAQGGMNVPAQQGSWGQPQ............QPAKQ   147
consensus                                    !!****!!**** !*********    *  **!!**!* *** ***        *  ***! *        **  * **
```

```
logo
NTDB id 1103 NMB RS07590 WP 002212976.1       RQPASDAPSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1      RQPAPDAPSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1     NNFNGGNATRPQ....PAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 987093 AAFQ03 RS24690 WP 004151744.1 NQFSGGAQSRPQ....Q.QAPAAPSNEPPMDFDDDIPF   174
NTDB id 1166 A1552VC RS00795 WP 000168289.1  HQPMQ..QS.AP....Q.QYSQPQYNEPPMDFDDDIPF   177
consensus                                     **   * * **      **   **  !****!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved