```
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 348089 EUC41 RS19995 WP 062680943.1 ..MASVNKVILVGNLGRDPEVRYSPDGAAICNMSIATISTWKDKASGERREETEWHRVVMYNRLAEIAGEYLKKGRSVYI   78
NTDB id 1166 A1552VC RS00795 WP 000168289.1 MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                       **!!!!**!*!!*!!**!**!*!*!*****!!***!*!* *!***!*!!!!********!!*!!*!!*!!  !!*
```

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logo
NTDB id 1103 NMB RS07590 WP 002212976.1      EGRIQSRKYQGK.DGIERTAYDIVAN....EMKMLGGRNENSGGAPYEEGYGQSQ.........EAYQRPAQQSRQPASD   142
NTDB id 1131 NGFG RS05740 WP 003695064.1     EGRIQSRKYQGK.DGIERTAYDIVAN....EMKMLGGRNENSGGAPYDEGYGQSQ.........EAYQRPAQQSRQPAPD   142
NTDB id 1390 A4U84 RS00055 WP 021115958.1    EGKLKTRKWQDQ.NGQDRYTTEIQGD....VLQMLDSRSSGGDFG.GNQGSGWNQAPAQTNYNQGGYSDNYAQNNN..FN   150
NTDB id 348089 EUC41 RS19995 WP 062680943.1 EGRLKTRKWQDKDTGADRYSTEIVAD....QMQMLGGREDGGGGG.ASYG............GGGGYDDAPRQQRAPAQR   141
NTDB id 1166 A1552VC RS00795 WP 000168289.1 EGQLQTRKWQDQ.SGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMP.AQGGMNV...PAQ..QGSWGQPQQPAKQHQPMQQ   153
consensus                                   !!****!!*!**  ! *!********     **!!**! ****** *  ! *  *          **     ******
```

```
logo
NTDB id 1103 NMB RS07590 WP 002212976.1      APSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1     APSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1    ..GGNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 348089 EUC41 RS19995 WP 062680943.1 ..PAPQQRPAPAAAPASSGA.NLADMDDDIPF   170
NTDB id 1166 A1552VC RS00795 WP 000168289.1 ..SAPQQYSQPQ.....YNE.PPMDFDDDIPF   177
consensus                                     ****  ***  *    ** *****!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved