```
logo
NTDB id 1131 NGFG RS05740 WP 003695064.1   ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1103 NMB RS07590 WP 002212976.1    ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1390 A4U84 RS00055 WP 021115958.1  ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
NTDB id 409211 GQA94 RS00025 WP 158186157.1 .MARGVNKVILIGNVGGDPETRYMPNGNAVTNITLATTDSWKDKQTGQQQERTEWHRVVLFGKVAEIAGEYLRKGSQCYI   79
NTDB id 1166 A1552VC RS00795 WP 000168289.1 MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                    **!!!!**!**! !!**!*!!*!*!! ****!!***!*!* *!** !*!!!!*********!!*!!*!!*!!* *!*
```

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logo
NTDB id 1131 NGFG RS05740 WP 003695064.1   EGRIQSRKYQGKDGIERTAYDIV....ANEMKMLGGRNENSGGAPYDEGYGQ.........SQEAYQRPAQQSRQPAPDA   143
NTDB id 1103 NMB RS07590 WP 002212976.1    EGRIQSRKYQGKDGIERTAYDIV....ANEMKMLGGRNENSGGAPYEEGYGQ.........SQEAYQRPAQQSRQPASDA   143
NTDB id 1390 A4U84 RS00055 WP 021115958.1  EGKLKTRKWQDQNGQDRYTTEIQ....GDVLQMLDSRSSGGDFGGN.QGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGN   153
NTDB id 409211 GQA94 RS00025 WP 158186157.1 EGRLQTREWEKD.GVKRYTTEVVV.DMGGTMQLLGGRGGSSDDAPR.QSQ.....................PRPQRDSQPQQ   137
NTDB id 1166 A1552VC RS00795 WP 000168289.1 EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQ.GGMN...VPA....QQGSWGQPQQPAKQHQPMQ   152
consensus                                  !!****!***   !**!******    *  ***!**!  *** **   * *          * **  * ** ** ** *
```

```
logo
NTDB id 1131 NGFG RS05740 WP 003695064.1   PSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1103 NMB RS07590 WP 002212976.1    PSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1  ATRPQPAQ....KPAAQAEPPMDNFDDDIPF   180
NTDB id 409211 GQA94 RS00025 WP 158186157.1 QSRPQSQP....QPAQQPAPDYDSFDDDIPF   164
NTDB id 1166 A1552VC RS00795 WP 000168289.1 QSAPQQYS....QPQYNE..PPMDFDDDIPF   177
consensus                                   * !! **     **  *** *****!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved