```
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 281479 C7U63 RS13120 WP 005340181.1  MASRGINKVILIGNLGQDPEVRYMPSGGAVTNITLATSETWRDKQTGEQKERTEWHRVVFMGKLAEVAGEYLKKGSQVYV   80
NTDB id 1166 A1552VC RS00795 WP 000168289.1  MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                        **!!!!**!*!!*!!**!*!!*!*!! ****!!!!*!*!* *!***!*!!!!********!!*!!*!!*!!* !!*
```

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logo
NTDB id 1131 NGFG RS05740 WP 003695064.1      EGRIQSRKYQGKDGIERTAYDIVAN....EMKMLGGRNENSGGAPYDEG.YGQSQEAYQRPAQQS..........RQPAP   141
NTDB id 1103 NMB RS07590 WP 002212976.1       EGRIQSRKYQGKDGIERTAYDIVAN....EMKMLGGRNENSGGAPYEEG.YGQSQEAYQRPAQQS..........RQPAS   141
NTDB id 1390 A4U84 RS00055 WP 021115958.1     EGKLKTRKWQDQNGQDRYTTEIQGD....VLQMLDSRSSGGDF.......GGNQGSGWNQAPAQ....TNYNQGGYSDNY   143
NTDB id 281479 C7U63 RS13120 WP 005340181.1  EGKLQTRKWQDQSGQERYTTEVLVDSFTGVMQMLGGRPQGGQGMG..QNMGGQSQGNWGQPQQSMPAQQPMNQQRPAPAP   158
NTDB id 1166 A1552VC RS00795 WP 000168289.1  EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQGGMNVPAQQGSWGQPQQPAKQHQPMQQSAPQ...   157
consensus                                    !!****!!*!** !**!*******    ***!!**!  ****         **** ***** **       **   ***
```

```
logo
NTDB id 1131 NGFG RS05740 WP 003695064.1      DAPSHPQEAPAA.....PRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1103 NMB RS07590 WP 002212976.1       DAPSHPQEAPAA.....PRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1     AQNNNFNGGNAT.RPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 281479 C7U63 RS13120 WP 005340181.1  QQNMQPQGGYGRPAQQPQSAPPVYNEPPM.DFDDDIPF   195
NTDB id 1166 A1552VC RS00795 WP 000168289.1  ................QYSQPQYNEPPM.DFDDDIPF   177
consensus                                         ** * *         **** ***!****!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved