```
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 1166 A1552VC RS00795 WP 000168289.1     MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
NTDB id 1064712 ACHMXA RS05840 WP 395319252.1  ..MASVNKVIVVGNLGRDPEMRTFPSGDQVANVTVATTDRWKDKQSGEMREATEWHRIVFNGRLAEIAGQYLRKGSQVYV   78
NTDB id 1390 A4U84 RS00055 WP 021115958.1      ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
consensus                                          **!!!!**!*!!*!!**!**!*!**!*****!!***!*!* *!***!*!!!!*********!!*!!*!!*!!* !!*
```

```
logo
NTDB id 1131 NGFG RS05740 WP 003695064.1        EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGA..PYDEGYGQ......SQEAYQRPAQQSRQPAPDAP   144
NTDB id 1103 NMB RS07590 WP 002212976.1         EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGA..PYEEGYGQ......SQEAYQRPAQQSRQPASDAP   144
NTDB id 1166 A1552VC RS00795 WP 000168289.1     EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQG................GMNVPAQQGSWGQPQQP   144
NTDB id 1064712 ACHMXA RS05840 WP 395319252.1  EGSLRTRKWTDKDGIEKYTTEIRA....DQMQMLGSRQGQGGPSGPSDDDGYGGGGGGGYSQGG.......GGGGGGYAP   147
NTDB id 1390 A4U84 RS00055 WP 021115958.1      EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGGDFG.........GNQGSGWNQAPAQTNYNQGGYSDNYAQ   145
consensus                                      !!*****!!*****!**********       **!!**!* *** *    *****        ** * * *****   *  **
```

```
logo
NTDB id 1131 NGFG RS05740 WP 003695064.1        SHPQEAPAAPRR....QP.VPAAAPVEDIDDDIPF   174
NTDB id 1103 NMB RS07590 WP 002212976.1         SHPQEAPAAPRR....QP.VPAAAPVEDIDDDIPF   174
NTDB id 1166 A1552VC RS00795 WP 000168289.1     AKQHQP..MQQSAPQQYSQPQYNEPPMDFDDDIPF   177
NTDB id 1064712 ACHMXA RS05840 WP 395319252.1  RAPAAAPRAPAPAPRQAP.AKSSSGFDDMDDDIPF   181
NTDB id 1390 A4U84 RS00055 WP 021115958.1      NNNFNGGNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
consensus                                        *  ** ***  * * *   *  *****!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved