```
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 299030 DPM16 RS07310 WP 112205419.1 ..MASVNKVIIVGNVGRDPETRYMPSGDAVTNISVATSDRYKDKQTGEMKETTEWHRVAFFGKLAEIAGQYLKKGSQVYV   78
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....EMKMLGGRNENSGGAPYDEGYGQS.........QEAYQRPAQQSRQPAPDA   143
NTDB id 1103 NMB RS07590 WP 002212976.1      EGRIQSRKYQGKDGIERTAYDIVAN....EMKMLGGRNENSGGAPYEEGYGQS.........QEAYQRPAQQSRQPASDA   143
NTDB id 1390 A4U84 RS00055 WP 021115958.1    EGKLKTRKWQDQNGQDRYTTEIQGD....VLQMLDSRSSGGD.FGGNQGSGWNQAPAQTNYNQGGYSDNYAQNN....NF   149
NTDB id 299030 DPM16 RS07310 WP 112205419.1 EGRLRTRKWTDASGQEKYSTEIVSE....TMQMLGGKPVGGS.EG...GESY..............SRSK.........   126
NTDB id 1166 A1552VC RS00795 WP 000168289.1 EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGG.MPAQGGMNVPA.......QQGSWGQPQQPAK....QH   148
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    NGGNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 299030 DPM16 RS07310 WP 112205419.1 ...SAESSAPAAS...SNAASLGAMDDDIPF   151
NTDB id 1166 A1552VC RS00795 WP 000168289.1 ..QPMQQSAPQQYSQPQYNEPPMDFDDDIPF   177
consensus                                     * * ***  *    ********!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved