logo



```
NTDB id 1103 NMB RS07590 WP 002212976.1       ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWN.DRNGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1131 NGFG RS05740 WP 003695064.1      ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWN.DRNGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 999865 ABFU36 RS07185 WP 011037865.1  .MARGINKVILVGNLGNDPDTKYTQAGMAITRVSLATTSMR.KDREGNNQERTEWHRVVFFGKLGEIAGEYLRKGSQVYV   78
NTDB id 1166 A1552VC RS00795 WP 000168289.1   MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
NTDB id 1390 A4U84 RS00055 WP 021115958.1     ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
consensus                                        **!!!!**!*!!*!!********!*!* *****!!***** ** !** !*!!!!**********!*!!*!!*!!* !!*
```

logo



```
NTDB id 1103 NMB RS07590 WP 002212976.1       EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGAPYEEGYGQSQEAYQRPAQQS.........RQPASDA   143
NTDB id 1131 NGFG RS05740 WP 003695064.1      EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGAPYDEGYGQSQEAYQRPAQQS.........RQPAPDA   143
NTDB id 999865 ABFU36 RS07185 WP 011037865.1  EGELRYDKYTGQDGVEKYSTDIVA....NEMQMLGGRGEGGGGGGM.GGDRPQR..TQAPRQQ...QGGG........GG   140
NTDB id 1166 A1552VC RS00795 WP 000168289.1   EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQ.GGM...N....VPAQ....QGSWGQPQQPAKQH   148
NTDB id 1390 A4U84 RS00055 WP 021115958.1     EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGGDFGGN.QGSGWNQ....APAQTNYNQGGYSDNYAQNNNF   149
consensus                                     !!*****!*****!**********     ****!!**! *******   ! *  *   * !*!*   **       ***  *
```

logo



```
NTDB id 1103 NMB RS07590 WP 002212976.1       PSHPQEAPAAPRRQPVPAAAPVEDI.DDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1      PSHPQEAPAAPRRQPVPAAAPVEDI.DDDIPF   174
NTDB id 999865 ABFU36 RS07185 WP 011037865.1  GGGQDYAPRRQQPAQQQSAPPMDDFADDDIPF   172
NTDB id 1166 A1552VC RS00795 WP 000168289.1   Q..PMQQSAPQQYSQPQYNEPPMDF.DDDIPF   177
NTDB id 1390 A4U84 RS00055 WP 021115958.1     NGGNATRPQPAQKPAAQAEPPMDNF.DDDIPF   180
consensus                                        *  ***  **   *** !**** !!!!!!
```

X non conserved

X similar

X ≥ 50% conserved