logo

```
NTDB id 1103 NMB RS07590 WP 002212976.1      ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDRN.GQRVERTEWHNITMYR.KLAEIAGQYLKKGGLVY    75
NTDB id 1131 NGFG RS05740 WP 003695064.1     ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDRN.GQRVERTEWHNITMYR.KLAEIAGQYLKKGGLVY    75
NTDB id 1390 A4U84 RS00055 WP 021115958.1    ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFR.RQAEVAGQYLRKGSKVY    77
NTDB id 176933 JL2886 RS18950 WP 065273417.1 .MAGSVNKVILIGNLGRDPEVRTFQNGGKVCNLRIATSETWKDRNTGERREKTEWHSVAVFNEGLVRVCEQYLRKGSKVY    79
NTDB id 1166 A1552VC RS00795 WP 000168289.1  MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYG.KLAEVAGEYLRKGSQVY    79
consensus                                        **!!!!**!*!!*!!**!****!**!*****!!!!*!*!***!***!*!!!!  *****  ********!!*!!*  !!
```

logo

```
NTDB id 1103 NMB RS07590 WP 002212976.1      LEGRIQSRKYQGKDGIERTAYDIV....ANEMKMLGGRNENSGGA..........PYEEGYGQSQEAYQRPAQQS...RQ   138
NTDB id 1131 NGFG RS05740 WP 003695064.1     LEGRIQSRKYQGKDGIERTAYDIV....ANEMKMLGGRNENSGGA..........PYDEGYGQSQEAYQRPAQQS...RQ   138
NTDB id 1390 A4U84 RS00055 WP 021115958.1    VEGKLKTRKWQDQNGQDRYTTEIQ....GDVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQG..GYSDNYAQNNNFNG   151
NTDB id 176933 JL2886 RS18950 WP 065273417.1 IEGQLQTRKWQDQNGQDRYSTEVVLQGFGSTLTMLDGRGEGGGGGQGGSY...GGGGYGGGGGGYD.SGPQGGGFGG   155
NTDB id 1166 A1552VC RS00795 WP 000168289.1  IEGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQGGMNV...PA...............QQGSWGQ   140
consensus                                    *!!****!!*!** !**!******    * *  !!**! ******** *     **  ****   **   * !  * *
```

logo

```
NTDB id 1103 NMB RS07590 WP 002212976.1      PASDAPSHPQEAPAAPRRQP.VPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1     PAPDAPSHPQEAPAAPRRQP.VPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1    GNATR.........PQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 176933 JL2886 RS18950 WP 065273417.1 GGQGGPSH......................NIDDDEIPF   172
NTDB id 1166 A1552VC RS00795 WP 000168289.1  PQQPAKQHQPMQQSAPQQYSQPQYNEPPMDFDDDIPF   177
consensus                                    **  ****      **   *   *  ****  !!*!!!
```

X non conserved

X similar

X $\geq$50% conserved