```
logo
```

```
NTDB id 1390 A4U84 RS00055 WP 021115958.1     ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRQAEVAGQYLRKGSKVYV   78
NTDB id 1103 NMB RS07590 WP 002212976.1       ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1131 NGFG RS05740 WP 003695064.1      ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 28138 GURA RS22365 WP 011941166.1     ..MASLNKVMLIGNLGKDPEVRYTASGTAVASFSLATSEKFKNK.SGEWEEKTEWHNVTLWARLAEIAGEYLSKGKTVYI   77
NTDB id 1166 A1552VC RS00795 WP 000168289.1   MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                         **!!!***!*!!*!!**!****!*!!*****!!!!*****  *!**  !*!!!!*********!!*!!*!!*!!   !!*
```

```
logo
```

```
NTDB id 1390 A4U84 RS00055 WP 021115958.1     EGKLKTRKWQDQNGQDRYTTEIQGD....VLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNG...  151
NTDB id 1103 NMB RS07590 WP 002212976.1       EGRIQSRKYQGKDGIERTAYDIVAN....EMKMLGGRNENSGGAP.YEEGYGQS.......QEAYQRPAQQSRQPASDAP  144
NTDB id 1131 NGFG RS05740 WP 003695064.1      EGRIQSRKYQGKDGIERTAYDIVAN....EMKMLGGRNENSGGAP.YDEGYGQS.......QEAYQRPAQQSRQPAPDAP  144
NTDB id 28138 GURA RS22365 WP 011941166.1     EGRLQTRKWQDRDGKDRYTTEIVGE....KMQMLSGKGEGGGGGR.QGGGRPSS..........................  126
NTDB id 1166 A1552VC RS00795 WP 000168289.1   EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPA.QGGMNVPA......QQGSWGQPQQPAKQHQPMQQ  153
consensus                                     !!****!!*!***!  *!*********       **!!***  ******   **  **  **        *  **   *  **  **
```

```
logo
```

```
NTDB id 1390 A4U84 RS00055 WP 021115958.1     .GNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 1103 NMB RS07590 WP 002212976.1       SHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1      SHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 28138 GURA RS22365 WP 011941166.1     .DE......HGGGGPSYEEPVFNPDDDIPF   149
NTDB id 1166 A1552VC RS00795 WP 000168289.1   SAP......QQYSQPQYNEPPMDFDDDIPF   177
consensus                                     * *   *    *     *  !***!!!!!!
```

X non conserved

X similar

X $\geq$ 50% conserved