```
logo
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 149336 ACP90 RS15055 WP 055654172.1  .MAGSVNKVILVGNLGADPEIRRTQDGRPIANLRIATSESWRDRNTGERREKTEWHRVVIFNDGLCKVAEQYLRKGSKVY   79
NTDB id 1166 A1552VC RS00795 WP 000168289.1  MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYG.KLAEVAGEYLRKGSQVY   79
consensus                                       * *!!!!**!*!!*!!**!****!*******!!!!*! !***!***!*!!!!** *** *****!**!!*!!**!!
```

```
logo
NTDB id 1131 NGFG RS05740 WP 003695064.1      LEGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGA..........PYDEGYGQ..SQEAYQRPAQQSRQP   139
NTDB id 1390 A4U84 RS00055 WP 021115958.1     VECKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQ.....NNN   148
NTDB id 149336 ACP90 RS15055 WP 055654172.1  LEGQLQTRKWQDQSGQDRYSTEIVLQGFNSNLTMLDGRGEGGGASGG.......LPDYGNDSQGGGGGFGGGGSGSGGN   152
NTDB id 1166 A1552VC RS00795 WP 000168289.1  IEGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGM...........PAQGGMNVPAQQGSWGQPQQPAKQH   148
consensus                                    *!!****!!*!***!**!****** **** ***!! *!********          !*** ***** ******** ****
```

```
logo
NTDB id 1131 NGFG RS05740 WP 003695064.1      APDAPSHPQEAPAAPRRQPV.PAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1     FNG..GNATR..PQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 149336 ACP90 RS15055 WP 055654172.1  FGG..GYGGGS.SSGGGYGGPS.GGGGGPMDDEIPF   184
NTDB id 1166 A1552VC RS00795 WP 000168289.1  ......QPMQQ.SAPQQYSQPQYNEPPMDFDDDIPF   177
consensus                                    * *  ***    ****************!!*!!!
```

X non conserved
X similar
X $\geq$ 50% conserved