```
logo
NTDB id 1131 NGFG RS05740 WP 003695064.1      ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYR.KLAEIAGQYLKKGGLVY   75
NTDB id 1103 NMB RS07590 WP 002212976.1       ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYR.KLAEIAGQYLKKGGLVY   75
NTDB id 993501 AAIB41 RS03395 WP 343314199.1 .MAGSVNKVILVGNLGADPEIRRLNSGDSVANLRIATSESWRDRQSGERKERTEWHSVVIFNENLAKVAEQYLKKGAKVY   79
NTDB id 1166 A1552VC RS00795 WP 000168289.1  MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYG.KLAEVAGEYLRKGSQVY   79
NTDB id 1390 A4U84 RS00055 WP 021115958.1    ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFR.RQAEVAGQYLRKGSKVY   77
consensus                                        **!!!!**!*!! !!**!****!**!*****!!!!*!*!* *!***!*!!!! ***** **!**!**!!*!!* !!
```

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logo
NTDB id 1131 NGFG RS05740 WP 003695064.1      LEGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGAPYDEGYGQSQEAYQRPAQQ.....SRQPAPDAPSH   146
NTDB id 1103 NMB RS07590 WP 002212976.1       LEGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGAPYEEGYGQSQEAYQRPAQQ.....SRQPASDAPSH   146
NTDB id 993501 AAIB41 RS03395 WP 343314199.1 IEGALQTRKWQDQNGNDRYTTEIVLQKFRGELQMLDSRGDSG.DQGRSFGGGNNRN.QMSDYSGGGSGDFGS......SG   151
NTDB id 1166 A1552VC RS00795 WP 000168289.1  IEGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQG.GMPAQGGM...NVPAQ....QGSWGQPQQPAKQHQ..   149
NTDB id 1390 A4U84 RS00055 WP 021115958.1    VEGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGG.DFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGG   152
consensus                                    *!!****!!*!** !**!*******     ***!!**! *** * *   ! ** *   *   ***      ***    *
```

```
logo
NTDB id 1131 NGFG RS05740 WP 003695064.1      PQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1103 NMB RS07590 WP 002212976.1       PQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 993501 AAIB41 RS03395 WP 343314199.1  PSS..SP..SSSSGGGNFSRDLDDEIPF   175
NTDB id 1166 A1552VC RS00795 WP 000168289.1   PMQQSAPQQYSQPQYNEPPMDFDDDIPF   177
NTDB id 1390 A4U84 RS00055 WP 021115958.1     NATRPQPAQKPAAQAEPPMDNFDDDIPF   180
consensus                                     *   ***  *    ** *****!!*!!!
```

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