```
logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV    78
NTDB id 1131 NGFG RS05740 WP 003695064.1      ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL    76
NTDB id 1103 NMB RS07590 WP 002212976.1       ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL    76
NTDB id 86541 K5624 RS18655 WP 044735256.1    MASRGVNKVILVGNLGQDPEVRYMPNGNAVANITVATSESWKDQ.QGQQQERTEWHRVVMFGKLAEIAGEYLRKGSQVYL    79
NTDB id 1166 A1552VC RS00795 WP 000168289.1   MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI    80
consensus                                         **!!!!**!*!!*!!**!*!!*!*!!*****!!!!*!*!* *!** !*!!!!********!!*!!*!!*!!* !!*

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     EGKLKTRKWQDQNGQDRYTTEIQG....DVLQMLDSRSSGG...DFGGNQGS....G.......WN..QAPAQTNYNQ..   136
NTDB id 1131 NGFG RS05740 WP 003695064.1      EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGAPYDE....................GYGQSQEAYQRPA   133
NTDB id 1103 NMB RS07590 WP 002212976.1       EGRIQSRKYQGKDGIERTAYDIVA....NEMKMLGGRNENSGGAPYEE....................GYGQSQEAYQRPA   133
NTDB id 86541 K5624 RS18655 WP 044735256.1    EGKLQTRKWKDQSGQDKYTTEVVVD.MGGTMQMLGGRNQNQGGMSQGGNQGGMNQGGMNQSQGSYGGGQAQSQSQYNAPQ   158
NTDB id 1166 A1552VC RS00795 WP 000168289.1   EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQGGMNVP.......AQQGSWGQPQ...........   142
consensus                                     !!****!!**** !**********      **!!**!* * **  *** *              *  ******  ** *

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     ..GGYSDNYAQN................NNFNGGNATRPQ...........PAQKPA........AQAEPPMDNFDDDI   178
NTDB id 1131 NGFG RS05740 WP 003695064.1      Q..........QSRQPA.......................PDAPSHPQEAPAAPRRQPVP.........AAAPVEDIDDDI   172
NTDB id 1103 NMB RS07590 WP 002212976.1       Q..........QSRQPA.......................SDAPSHPQEAPAAPRRQPVP.........AAAPVEDIDDDI   172
NTDB id 86541 K5624 RS18655 WP 044735256.1    QSGGYQPKPAQQPQQPQQQYNAPQQQSYGQQQNSGYAPKPQQPA..PQQQAAPQQRPAPQPQPQQQNYTPDLDDGWDDDI   236
NTDB id 1166 A1552VC RS00795 WP 000168289.1   ..............QPAKQ.......................HQ..PMQQSAPQQYSQPQ......Y..NEPPMDFDDDI   175
consensus                                     *          *  ***                        *  *       **! * * *         *  *****!!!!

logo

NTDB id 1390 A4U84 RS00055 WP 021115958.1     PF   180
NTDB id 1131 NGFG RS05740 WP 003695064.1      PF   174
NTDB id 1103 NMB RS07590 WP 002212976.1       PF   174
NTDB id 86541 K5624 RS18655 WP 044735256.1    PF   238
NTDB id 1166 A1552VC RS00795 WP 000168289.1   PF   177
consensus                                     !!
```

X non conserved

X similar

X $\geq$ 50% conserved