logo



```
NTDB id 1103 NMB RS07590 WP 002212976.1     ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1131 NGFG RS05740 WP 003695064.1    ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1166 A1552VC RS00795 WP 000168289.1 MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
NTDB id 147802 ABC03 RS18885 WP 003806953.1 ..MASVNKVILVGNLGRDPEVRYSPDGAAICNVSIATTSQWKDKASGERREETEWHRVVMYNRLAEIAGEYLKKGRSVYI   78
NTDB id 1390 A4U84 RS00055 WP 021115958.1   ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
consensus                                       **!!!!**!*!!*!!**!**!*!*!*****!!***!*!*  *!***!*!!!!********!!*!!*!!*!!   !!*
```

logo



```
NTDB id 1103 NMB RS07590 WP 002212976.1     EGRIQSRKYQGK.DGIERTAYDIVA....NEMKMLGGRNENSGG.APYEEGYGQSQEAYQRPAQQSRQPASDAPSHPQE.   149
NTDB id 1131 NGFG RS05740 WP 003695064.1    EGRIQSRKYQGK.DGIERTAYDIVA....NEMKMLGGRNENSGG.APYDEGYGQSQEAYQRPAQQSRQPAPDAPSHPQE.   149
NTDB id 1166 A1552VC RS00795 WP 000168289.1 EGQLQTRKWQDQ.SGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQGG..M.NVPAQQG....SWGQPQQ..PAKQHQP   150
NTDB id 147802 ABC03 RS18885 WP 003806953.1 EGRLKTRKWQDKDTGADRYSTEIVA....DQMQMLGGRDSGGDSGGGYGGGYDDAPRQQRAPAQR...........PAAA   143
NTDB id 1390 A4U84 RS00055 WP 021115958.1   EGKLKTRKWQDQ.NGQDRYTTEIQG....DVLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFNGGN   153
consensus                                   !!****!!*!**   ! *!*******       **!!**!   ***   * **  ** * * * * ***    **     *  *
```

logo



```
NTDB id 1103 NMB RS07590 WP 002212976.1     ..APAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1    ..APAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1166 A1552VC RS00795 WP 000168289.1 MQQSAPQQYSQPQYNEPPMDFDDDIPF   177
NTDB id 147802 ABC03 RS18885 WP 003806953.1 PQRPAPQ....AAPAANLADMDDDIPF   166
NTDB id 1390 A4U84 RS00055 WP 021115958.1   ATRPQPAQKPAAQAEPPMDNFDDDIPF   180
consensus                                      ***   *     ********!!!!!!
```

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