```
logo                                    

NTDB id 113 BSU 40900 NP 391970.1       ....MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQ.SGE..READFINCVTWRRQAENVANFLKKGSLAGV   73
NTDB id 1103 NMB RS07590 WP 002212976.1 ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1131 NGFG RS05740 WP 003695064.1 ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1390 A4U84 RS00055 WP 021115958.1 ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
NTDB id 378299 FR830 RS22810 WP 045362433.1 MASRGVNKVILVGNLGQDPEVRYMPSGGAVANFTLATSESWRDKQTGEMKEQTEWHRVVLFGKLAEVAGEYLRKGSQVYI   80
NTDB id 1166 A1552VC RS00795 WP 000168289.1 MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                *!*!***! !* !!**!**!*! !!*****!*****  **  *!*  *  ****  *  *****!!*****!*!!*  ***

logo                                    

NTDB id 113 BSU 40900 NP 391970.1       DGRLQTRNYENQQGQRVFVTEVQ....AESVQFLEPKNGGGSG...SGGYNEGNSGGGQ.........YFGGGQNDNPFGG   138
NTDB id 1103 NMB RS07590 WP 002212976.1 EGRIQSRKYQGKDGIERTAYDIV....ANEMKMLGGRNENSGGAPYEEGY..GQSQEAYQRPAQ..............QS   136
NTDB id 1131 NGFG RS05740 WP 003695064.1 EGRIQSRKYQGKDGIERTAYDIV....ANEMKMLGGRNENSGGAPYDEGY..GQSQEAYQRPAQ..............QS   136
NTDB id 1390 A4U84 RS00055 WP 021115958.1 EGKLKTRKWQDQNGQDRYTTEIQ....GDVLQMLDSRSSGGD.FG.......GNQGSGWNQAPAQTNYNQGGYSDNYAQN   146
NTDB id 378299 FR830 RS22810 WP 045362433.1 EGQLRTRKWTDQSGQDKYTTEIVVN.VGGTMQMLGGRQGG.G.APAG.....GQQQGGWGQPQQ.............PQGG   140
NTDB id 1166 A1552VC RS00795 WP 000168289.1 EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGG.MPAQGGMNVPAQQGSWGQPQQ.............PAKQ   147
consensus                                *!****!***  *  !**** ****     *  ***!****    *  *    *    ** * **   * *

logo                                    

NTDB id 113 BSU 40900 NP 391970.1       NQNNQR...RNQ.GNSFNDDPFANDGKPIDISDDDLPF   172
NTDB id 1103 NMB RS07590 WP 002212976.1 RQPASDAPSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1 RQPAPDAPSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1 NNFNGGNATRPQ....PAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 378299 FR830 RS22810 WP 045362433.1 NQFSGGAQSRPQ....Q.QAPAAPSNEPPMDFDDDIPF   173
NTDB id 1166 A1552VC RS00795 WP 000168289.1 HQPMQ..QS.AP....Q.QYSQPQYNEPPMDFDDDIPF   177
consensus                                *       *  **                 !***  !!!*!!
```

X non conserved

X similar

X ≥ 50% conserved