```
logo

NTDB id 113 BSU 40900 NP 391970.1          ....MLNRVVLVGRLTKDPELRYTPNGAAVATFTLAVNRTFTNQS.GER..EADFINCVTWRRQAENVANFLKKGSLAGV   73
NTDB id 624 LCA RS00040 WP 011373726.1     ....MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNAN.GDR..EADFINCVIWRKSAENFANFTKKGSLVGV   73
NTDB id 1103 NMB RS07590 WP 002212976.1    ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDRN.GQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1131 NGFG RS05740 WP 003695064.1   ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDRN.GQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1166 A1552VC RS00795 WP 000168289.1 MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
NTDB id 70735 K6J65 RS04735 WP 042593471.1 ..MAGINKVIIVGHLGNDPEIRTMPNGDAVANISVATSESWNDRNTGERREVTEWHRIVFYRRQAEICGEYLRKGSQVYV   78
NTDB id 1390 A4U84 RS00055 WP 021115958.1  ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
consensus                                      *!*!***!*!**!***!****!*!!*****!********* !** * ********** !!*******!!*****

logo

NTDB id 113 BSU 40900 NP 391970.1          DGRLQTRNYENQQGQRVFVTEVQ....AESVQFLEPKNGGGSGS.....GGYNEGNSGGGQYFGGGQNDNPFGGNQNN.Q   143
NTDB id 624 LCA RS00040 WP 011373726.1     DGRLQTRNYENQQGQRVYVTEVV....VDNFSLLESRTTTEQRQGDGASQNFNSNQSNGSQ.......QSGFTSPQQT.G   141
NTDB id 1103 NMB RS07590 WP 002212976.1    EGRIQSRKYQGKDGIERTAYDIV....ANEMKMLGGRNENSGGAPYE..EGYGQSQEAY....QRPAQQ.....SRQPAS   141
NTDB id 1131 NGFG RS05740 WP 003695064.1   EGRIQSRKYQGKDGIERTAYDIV....ANEMKMLGGRNENSGGAPYD..EGYGQSQEAY....QRPAQQ.....SRQPAP   141
NTDB id 1166 A1552VC RS00795 WP 000168289.1 EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMP.AQ..GGM..NVPAQ....Q.....GSWGQPQQPAK   146
NTDB id 70735 K6J65 RS04735 WP 042593471.1 EGRLKTRKWQDQNGQDRYTTEIQ....GDVMQMLGGRNQNASGS.GN..DMGGTPQSSY....QA...........RQTN   136
NTDB id 1390 A4U84 RS00055 WP 021115958.1  EGKLKTRKWQDQNGQDRYTTEIQ....GDVLQMLDSRSSGGDFG.GN..QGSGWNQAPA....QTNYNQGGYSDNYAQNN   147
consensus                                  *!****!*** **!**** ****     ** ***!**** ** *        ***   * *      *    **   *     *

logo

NTDB id 113 BSU 40900 NP 391970.1          RRNQGN....SFNDDPFANDGKPIDISDDDLPF   172
NTDB id 624 LCA RS00040 WP 011373726.1     NAPAAN....NTQADPFANNGQAIDISDDDLPF   170
NTDB id 1103 NMB RS07590 WP 002212976.1    DAPSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1   DAPSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1166 A1552VC RS00795 WP 000168289.1 Q..HQPMQQSAPQQYSQPQYNEPPMDFDDDIPF   177
NTDB id 70735 K6J65 RS04735 WP 042593471.1 NGNSYQSSRPAP.QQSAPQAEPPMDGFDDDIPF   168
NTDB id 1390 A4U84 RS00055 WP 021115958.1  NFNGGNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
consensus                                  **    *    **        *** ***   !!!*!!
```

X non conserved

X similar

X $\geq$ 50% conserved