```
logo

NTDB id 624 LCA RS00040 WP 011373726.1        ....MINRVVLVGRLTRDVDLRYTSSGAAVGTFSMAVNRQFTNA.NGDR..EADFINCVIWRKSAENFANFTKKGSLVGV   73
NTDB id 1390 A4U84 RS00055 WP 021115958.1     ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV   78
NTDB id 1103 NMB RS07590 WP 002212976.1       ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 1131 NGFG RS05740 WP 003695064.1      ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDR.NGQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL   76
NTDB id 47338 KN400 RS16285 WP 010943738.1    ..MASLNKVMLIGNLGKDPEVRYTPAGTAVASFSLATTEKFKNR.NGEFEEKTEWHNVVLWGRQAEIAGEYLAKGRTVFI   77
NTDB id 1166 A1552VC RS00795 WP 000168289.1   MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI   80
consensus                                        *!*!***! !**!***!*** ! !!* ***!***** ** *!** ******** **** !!********!!  !**

logo

NTDB id 624 LCA RS00040 WP 011373726.1        DGRLQTRNYENQQGQRVYVTEVVVDN....FSLLESRTTTEQRQGDGASQNFNSNQSNGSQQSGFTSPQQTGNAPAANN.   148
NTDB id 1390 A4U84 RS00055 WP 021115958.1     EGKLKTRKWQDQNGQDRYTTEIQGD....VLQMLDSRSSGGDFGGNQGSGWNQAPAQTNYNQGGYSDNYAQNNNFN....   150
NTDB id 1103 NMB RS07590 WP 002212976.1       EGRIQSRKYQGKDGIERTAYDIVAN....EMKMLGGRNENSGGAP.YEEGYGQ..S.....QEAYQRPAQQSRQPASDAP   144
NTDB id 1131 NGFG RS05740 WP 003695064.1      EGRIQSRKYQGKDGIERTAYDIVAN....EMKMLGGRNENSGGAP.YDEGYGQ..S.....QEAYQRPAQQSRQPAPDAP   144
NTDB id 47338 KN400 RS16285 WP 010943738.1    EGRLQTRKWQDKDGRDRWTTEVVGE....RMQMLGGKGEGGGGRA.GGRG.............................   122
NTDB id 1166 A1552VC RS00795 WP 000168289.1   EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPA.QGGMNVP.AQ.....QGSWGQPQQPAKQHQPMQQ   153
consensus                                     *!****!***   ! *** *****      * *!***    *  *  * *  *        * **  * *   *

logo

NTDB id 624 LCA RS00040 WP 011373726.1        ........TQADPFANNGQAIDISDDDLPF   170
NTDB id 1390 A4U84 RS00055 WP 021115958.1     GGNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 1103 NMB RS07590 WP 002212976.1       SHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1      SHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 47338 KN400 RS16285 WP 010943738.1    GQES......GFGGPSYDEPAFNPDDDIPF   146
NTDB id 1166 A1552VC RS00795 WP 000168289.1   SAPQ......QYSQPQYNEPPMDFDDDIPF   177
consensus                                                        ***  !!!*!!
```

X non conserved

X similar

X ≥ 50% conserved