```
logo

NTDB id 1103 NMB RS07590 WP 002212976.1          ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDRN.GQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL    76
NTDB id 1131 NGFG RS05740 WP 003695064.1         ...MSLNKVILIGRLGRDPEVRYMPNGEAVCNFSVATSETWNDRN.GQRVERTEWHNITMYRKLAEIAGQYLKKGGLVYL    76
NTDB id 1390 A4U84 RS00055 WP 021115958.1        ..MAGVNKVIIVGNLGNDPDMRTMPNGDAVATLSVATSESWNDKMTGERREVTEWHRIVFFRRQAEVAGQYLRKGSKVYV    78
NTDB id 1143897 NCTC9997 RS14620 WP 039046679.1 MARGGINKVILIGNLGQDPEVRYMPNGNAVANISIATSESWRDKNTGEQKEMTEWHRVVLYRRLAEVAGEYLKKGAKVYI    80
NTDB id 1166 A1552VC RS00795 WP 000168289.1     MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI    80
consensus                                           **!!!!**!*!!*!!**!*!!*!*!!*****!!!!*!*!***!***!*!!!!********!!*!!*!!*!!* !!*

logo

NTDB id 1103 NMB RS07590 WP 002212976.1          EGRIQSRKYQGKDGIERTAYDIVANE....MKMLGGRNENSGGAPYEEGYG....QSQEAYQRPAQQ.........SRQP   139
NTDB id 1131 NGFG RS05740 WP 003695064.1         EGRIQSRKYQGKDGIERTAYDIVANE....MKMLGGRNENSGGAPYDEGYG....QSQEAYQRPAQQ.........SRQP   139
NTDB id 1390 A4U84 RS00055 WP 021115958.1        EGKLKTRKWQDQNGQDRYTTEIQGDV....LQMLDSRSSGGD.FGG.........NQGSGWNQAPAQTN..Y....NQGG   138
NTDB id 1143897 NCTC9997 RS14620 WP 039046679.1 EGKLRTRKWQDQNGQERYSTEIQADE....MQMLDSR..........GGMGAPAGQSQGGWGQPQQPQNQGFAPQQSQGN   146
NTDB id 1166 A1552VC RS00795 WP 000168289.1     EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGG.MPAQGGMNVP..AQQGSWGQPQQPAKQHQPMQQS...   154
consensus                                       !!*****!!*!** !**!*********     **!!**!  * *  *   * *    *** ***** **         *

logo

NTDB id 1103 NMB RS07590 WP 002212976.1          ASDAPSHPQE.......APAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1         APDAPSHPQE.......APAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1        YSDNYAQNNNFNGGNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 1143897 NCTC9997 RS14620 WP 039046679.1 YGNAPAQGGYAN..NTPNAAPANNAGFGSAEPPMDFDDDIPF   186
NTDB id 1166 A1552VC RS00795 WP 000168289.1     ...................APQQYSQPQYNEPPMDFDDDIPF   177
consensus                                         ***   *         *** **    ** !****!!!!!!
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X non conserved

X similar

X $\geq$ 50% conserved