

```
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 1471 ASU2 RS04565 WP 014991634.1  ..MAGINKVIIVGNLGNDPEMRTMPNGEAVANISVATSESWTDKNTGERREVTEWHRIVFYRRQAEVAGQYLRKGSQVYV   78
NTDB id 1166 A1552VC RS00795 WP 000168289.1 MASRGVNKVILIGNLGQDPEVRYMPSGGAVANITIATSETWRDKATGEQKEKTEWHRVTLYGKLAEVAGEYLRKGSQVYI  80
NTDB id 111106 APL92 RS01165 WP 000168322.1 MASRGVNKVILVGNLGQDPEVRYMPSGGAVANLTLATSESWRDKQTGEMKEQTEWHRVVMFGKLAEVAGEYLRKGSQVYI  80
NTDB id 1447 BW25113 RS21080 WP 000168305.1 MASRGVNKVILVGNLGQDPEVRYMPNGGAVANITLATSESWRDKATGEMKEQTEWHRVVLFGKLAEVASEYLRKGSQVYI  80
consensus                                  **!!!!**!*!!*!!**!*!!*!*!!*****!!!!*! !***!***! !!!!********!!*!**!!*!!**!!*
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NTDB id 1103 NMB RS07590 WP 002212976.1   EGRIQSRKYQGKDGIERTAYDIV....ANEMKMLGGRNENSGGAPY...........EEGYGQSQEAYQRPAQQSRQPAS  141
NTDB id 1131 NGFG RS05740 WP 003695064.1  EGRIQSRKYQGKDGIERTAYDIV....ANEMKMLGGRNENSGGAPY...........DEGYGQSQEAYQRPAQQSRQPAP  141
NTDB id 1390 A4U84 RS00055 WP 021115958.1 EGKLKTRKWQDQNGQDRYTTEIQ....GDVLQMLDSRSSGGDFGGNQGSGWNQAPA.QTNYNQGGYSDNYAQ..NN....  147
NTDB id 1471 ASU2 RS04565 WP 014991634.1  EGRLKTRKWQDQNGQDRYTTEIQ....GDVLQMLGGRNQGGDFGGNQGGWGNSAPAPQQSYNQGNSGYGYDQ..TA....  148
NTDB id 1166 A1552VC RS00795 WP 000168289.1 EGQLQTRKWQDQSGQDRYSTEVVVQGYNGIMQMLGGRAQQGGMPAQ...GGMNVPAQQGSWGQPQQPAKQHQ..PM....  151
NTDB id 111106 APL92 RS01165 WP 000168322.1 EGQLRTRKWTDQSGQERYTTEINVPQIGGVMQMLGGRQ.GGGAPAG...G.....QQQGGWGQPQQPQQPQG..GN....  145
NTDB id 1447 BW25113 RS21080 WP 000168305.1 EGQLRTRKWTDQSGQDRYTTEVVV.NVGGTMQMLGGRQ.GGGAPAG...GNIGGGQPQGGWGQPQ...QPQG..GN....  146
consensus                                  !!****!!**** !**!****** * ***!!**!* ******* * * ***! * * *
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NTDB id 1103 NMB RS07590 WP 002212976.1   DAPSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1131 NGFG RS05740 WP 003695064.1  DAPSHPQEAPAAPRRQPVPAAAPVEDIDDDIPF   174
NTDB id 1390 A4U84 RS00055 WP 021115958.1 NFNGGNATRPQPAQKPAAQAEPPMDNFDDDIPF   180
NTDB id 1471 ASU2 RS04565 WP 014991634.1  SRPA...QQAAKQAAKPAQAEPPMDNFDDDIPF   178
NTDB id 1166 A1552VC RS00795 WP 000168289.1 QQ.....SAPQ.QYSQPQYNEPPM.DFDDDIPF   177
NTDB id 111106 APL92 RS01165 WP 000168322.1 QFSGGAQSRPQQSAP.APSNEPPM.DFDDDIPF   176
NTDB id 1447 BW25113 RS21080 WP 000168305.1 QFSGGAQSRPQQSAPAAPSNEPPM.DFDDDIPF   178
consensus                                  *  *  ** **     *  ***!*****!!!!!!
```

X non conserved
X similar
X ≥ 50% conserved