logo

```
NTDB id 627 AAM18091.1 1453..2205( )  .MKVLILEDVIQHQVRLERTLDEISKELNIPIS.YKTTGKEREFKEYIENDEVNQLYFLDIDIHGVEKKGFEVAQFIRRH   78
NTDB id 487 SM12261 RS09370 WP 000866073.1  .MKVLILEDVIEHQVRLERILDEISKESNIPIS.YKTTGKVREFKEYIENDEVNQLYFLDIDIHGIEKKGFEVAQFIRHH   78
NTDB id 250 KZH43 RS10245 WP 000866065.1  .MKVLILEDVIEHQVRLERILDEISKESNIPIS.YKTTGKVREFEEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY   78
NTDB id 209 SPD RS10920 WP 000866065.1  .MKVLILEDVIEHQVRLERILDEISKESNIPIS.YKTTGKVREFEEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY   78
NTDB id 175 SPR RS10400 WP 000866065.1  .MKVLILEDVIEHQVRLERILDEISKESNIPIS.YKTTGKVREFEEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY   78
NTDB id 139 SP RS11425 WP 000866065.1  .MKVLILEDVIEHQVRLERILDEISKESNIPIS.YKTTGKVREFEEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY   78
NTDB id 515 SMSK321 RS0102895 WP 000866074.1  .MKVLILEDVIEHQVRLERILDEISKESNIPIS.YKTTGKVREFKEYIENDEVNQLYFLDIDIHGIEKKGFEVAQLIRHY   78
NTDB id 542 H702 RS02345 WP 039696227.1  MLDIFILEDNITQQFRIERQIETIMERNHWEYQRLEAFAASKDIIKKADGQGNHQVFFLDLEIKGDEKQGLDVARSIREK   80
NTDB id 1159211 QOR48 RS09535 WP 283573058.1  .MNIFILEDDFVQQAHFEKIIKEIRVQYNLRFKTVETFAKPVQLLESIYEIGLHNLFFLDIEIKNDEQMGLEVAKQIRQV   79
NTDB id 55 SMU RS08710 WP 002262114.1  MISIFVLEDDFLQQGRLETTIAAIMKEKNWSYKELTIFGKPQQLIDAIPEKGNHQIFFLDIEIKKEEKKGLEVANQIRQH   80
consensus                              *****!!!*****!***!*****!********** ********** ***********!!!**!***!**!**!!**!!**
```

logo

```
NTDB id 627 AAM18091.1 1453..2205( )  NPYAIIVFITSRSEFATLTYKYQVSALDFVDKDINDELFKKRIEQSILYTKSMLLENKDVVDYFDYNYKGNDLKIPYHDI   158
NTDB id 487 SM12261 RS09370 WP 000866073.1  NPYAIIVFITSRSEFATLTYKYQVSALDFVDKDINDELFKKRIEQNIFYTKSMLLENEDVVDYFDYNYKGNDLKIPYHDI   158
NTDB id 250 KZH43 RS10245 WP 000866065.1  NPYAIIVFITSRSEFATLTYKYQVSALDFVDKDINDEMFKKRIEQNIFYTKSMLLENEDVVDYFDYNYKGNDLKIPYHDI   158
NTDB id 209 SPD RS10920 WP 000866065.1  NPYAIIVFITSRSEFATLTYKYQVSALDFVDKDINDEMFKKRIEQNIFYTKSMLLENEDVVDYFDYNYKGNDLKIPYHDI   158
NTDB id 175 SPR RS10400 WP 000866065.1  NPYAIIVFITSRSEFATLTYKYQVSALDFVDKDINDEMFKKRIEQNIFYTKSMLLENEDVVDYFDYNYKGNDLKIPYHDI   158
NTDB id 139 SP RS11425 WP 000866065.1  NPYAIIVFITSRSEFATLTYKYQVSALDFVDKDINDEMFKKRIEQNIFYTKSMLLENEDVVDYFDYNYKGNDLKIPYHDI   158
NTDB id 515 SMSK321 RS0102895 WP 000866074.1  NPYAIIVFITSRSEFATLTYKYQVSALDFVDKDINDELFKKRIEQNIFYTKSMLLENEDVVDYFDYNYKGNDLKIPYHDI   158
NTDB id 542 H702 RS02345 WP 039696227.1  DPTAIIVFVTTHSEFMLLTYQSLVGAIDFIDKNMNDEAFGGRIELCLKEALKY.QTGSFGENSYLFETAKARIRVAYDDI   159
NTDB id 1159211 QOR48 RS09535 WP 283573058.1  DPYAQIVFVTTHSELMPLTFRYQVSALDYIDKGLSQEEFSQRIEEVLLYVDGICN.KPLVENSFYFKSRYSQVQLPFNDL   158
NTDB id 55 SMU RS08710 WP 002262114.1  NPSAVIVFVTTHSEFMPLTFQYQVSALDFIDKSLNPEEFSHRIESALYYAMENSQKNGQSEELFIFHSSETQFQVPFAEI   160
consensus                              *!*!*!!!*!**!!***!!*****!*!*!**!!****!*!**!!!**********************************
```

logo

```
NTDB id 627 AAM18091.1 1453..2205( )  LYIETTGVSHKLRIIGKNFAKEFYGTMADIQEKDKDTQRFYSAHKSFLVNVGNIREIDRKNLEVVFYEDHRCPITRLKVR   238
NTDB id 487 SM12261 RS09370 WP 000866073.1  LYIETTGVSHKLRIIGKNFAKEFYGTMTDIQEKDKHTQRFYSPHKSFLVNIGNIREIDRKNLEIVFYEDHRCPISRLKIR   238
NTDB id 250 KZH43 RS10245 WP 000866065.1  LYIETTGVSHKLRIIGKNFAKEFYGTMTDIQEKDKHTQRFYSPHKSFLVNIGNIREIDRKNLEIVFYEDHRCPISRLKIR   238
NTDB id 209 SPD RS10920 WP 000866065.1  LYIETTGVSHKLRIIGKNFAKEFYGTMTDIQEKDKHTQRFYSPHKSFLVNIGNIREIDRKNLEIVFYEDHRCPISRLKIR   238
NTDB id 175 SPR RS10400 WP 000866065.1  LYIETTGVSHKLRIIGKNFAKEFYGTMTDIQEKDKHTQRFYSPHKSFLVNIGNIREIDRKNLEIVFYEDHRCPISRLKIR   238
NTDB id 139 SP RS11425 WP 000866065.1  LYIETTGVSHKLRIIGKNFAKEFYGTMTDIQEKDKHTQRFYSPHKSFLVNIGNIREIDRKNLEIVFYEDHRCPISRLKIR   238
NTDB id 515 SMSK321 RS0102895 WP 000866074.1  LYIETTGVSHKLRIIGKNFAKEFYGTMTDIQEKDKHTQRFYSPHKSFLVNIGNIREIDRKNLEIVFYEDHRCPISRLKIR   238
NTDB id 542 H702 RS02345 WP 039696227.1  LYFETSPTVHRVILHTKTGQTEFYGTIAEVAKSD...KRLLKCHRSFVINVNNVTEFDKSTRTAYFENGSYCQVSRDKVK   236
NTDB id 1159211 QOR48 RS09535 WP 283573058.1  LYIETSSRSHRVVLYTEKDRMEFTATLGDILKQE...PRLFQCHRSFLVNPLNIFKVDRIDRLVYFQNGTTCLVSRNKVR   235
NTDB id 55 SMU RS08710 WP 002262114.1  LYFETSSTAHKLCLYTYDERIEFYGSMTDIVKMD...KRLFQCHRSFIVNPANITRIDRKKRLAYFRNNKSCLISRTKLT   237
consensus                              !!*!!****!***********!!**************!****!*!!**!**!****!*******!*****!***!*!**
```

<0

logo

```
NTDB id 627 AAM18091.1 1453..2205( )          KLRDILEKKSKK*..   250
NTDB id 487 SM12261 RS09370 WP 000866073.1    KLKDILEKKSQK...   250
NTDB id 250 KZH43 RS10245 WP 000866065.1      KLKDILEKKSQK...   250
NTDB id 209 SPD RS10920 WP 000866065.1        KLKDILEKKSQK...   250
NTDB id 175 SPR RS10400 WP 000866065.1        KLKDILEKKSQK...   250
NTDB id 139 SP RS11425 WP 000866065.1         KLKDILEKKSQK...   250
NTDB id 515 SMSK321 RS0102895 WP 000866074.1  KLKDILEKKSQK...   250
NTDB id 542 H702 RS02345 WP 039696227.1       KLMAEMR........   243
NTDB id 1159211 QOR48 RS09535 WP 283573058.1  DTVSIVDKYQKDRKR   250
NTDB id 55 SMU RS08710 WP 002262114.1         KLRAVIADQRRAK..   250
consensus                                     ************
```

X non conserved
X similar
X ≥ 50% conserved