```
logo

NTDB id 496 SM12261 RS02330 WP 000608383.1      MINIYFFLVGSILASFLGLVIDRFPEQSIIQPASHCDSCHTPLRPLDLIPILSQVFNRFRCRYCKVRYPVWYAFFELGLG   80
NTDB id 524 SMSK321 RS08155 WP 000565601.1      MIDIYFFLVGSILASFLGLVIDRFPEQSIISPASHCDSCQTRLRPLDLIPILSQVFNHFRCRYCKAPYPVWYALLELGLG   80
NTDB id 156 SP RS08975 WP 000565004.1           MIDFYFFLVGSILASFLGLVIDRFPEQSIISSASHCDSCQTPLRPLDLIPILSQVFNRFRCRYCKVRYPVWYALFELSLG   80
NTDB id 1141991 DQL12 RS09235 WP 000565021.1   MIDFYFFLVGSILASFLGLVIDRFPEQSIISSASHCDSCQTRLRPLDLIPILSQVFNRFRCRYCKVRYPVWYALFELVLG   80
NTDB id 266 KZH43 RS07930 WP 000565010.1        MIDFYFFLVGSILASFLGLVIDRFPEQSIISSASHCDSCQTRLRPLDLIPILSQVFNRFCCRYCKVRYPVWYALFELGLG   80
NTDB id 225 SPD RS08500 WP 000565010.1          MIDFYFFLVGSILASFLGLVIDRFPEQSIISSASHCDSCQTRLRPLDLIPILSQVFNRFCCRYCKVRYPVWYALFELGLG   80
NTDB id 191 SPR RS08095 WP 000565010.1          MIDFYFFLVGSILASFLGLVIDRFPEQSIISSASHCDSCQTRLRPLDLIPILSQVFNRFCCRYCKVRYPVWYALFELGLG   80
consensus                                       !!**!!!!!!!!!!!!!!!!!!!!!!!!!!!!**!!!!!!!*!*!!!!!!!!!!!!!!!!*!*!!!!!**!!!!!!**!!*!!
```

```
logo

NTDB id 496 SM12261 RS02330 WP 000608383.1      LLFLAWSLGWLSLGQVILITAGLTLGIYDFRHQEYPLLVWMTFHIILMAFCGWSLIMLFFLVLGIIAHFIDIRMGAGDFL   160
NTDB id 524 SMSK321 RS08155 WP 000565601.1      LLFLSYSWGFLSLGQVILITAGLTLGIYDFRHQEYPLLVWMTFHLILMASSGWNLVMVFFLALGILAHFIDIRMGAGDFL   160
NTDB id 156 SP RS08975 WP 000565004.1           LLFLLYSWGWLSLGQVVLITAGLTLGIYDFHHQEYPLLVWMTFQLILIASSGWNLVMVSFLILGILAHFIDIRMGAGDFL   160
NTDB id 1141991 DQL12 RS09235 WP 000565021.1   LLFLLYSWELLSLGQVVLITAGLTLGIYDFRHQEYPLLVWMTFHLILIASSGWNLVMVSFLALGILAHFIDIRMGAGDFL   160
NTDB id 266 KZH43 RS07930 WP 000565010.1        LLFLLYSWELLSLSQVILITAGLTLGIYDFRHQEYPLLVWMTFHLILIASSGWNLVMVSFLILGILAHFIDIRMGAGDFL   160
NTDB id 225 SPD RS08500 WP 000565010.1          LLFLLYSWELLSLSQVILITAGLTLGIYDFRHQEYPLLVWMTFHLILIASSGWNLVMVSFLILGILAHFIDIRMGAGDFL   160
NTDB id 191 SPR RS08095 WP 000565010.1          LLFLLYSWELLSLSQVILITAGLTLGIYDFRHQEYPLLVWMTFHLILIASSGWNLVMVSFLILGILAHFIDIRMGAGDFL   160
consensus                                       !!!!**!***!!!*!!*!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!**!!*!**!!*!*!**!!*!!!*!!!!!!!!!!!!!!!
```

```
logo

NTDB id 496 SM12261 RS02330 WP 000608383.1      FLASCSIVFSVTELLILIQFASAMGILAFLLQKKKERLPFVPFLLLAACVIIFGKLLLV   219
NTDB id 524 SMSK321 RS08155 WP 000565601.1      FLASCALVFSATELLILIQFASATGILAFLLQKKKERLPFVPFLLLATCVIIFGKLLLV   219
NTDB id 156 SP RS08975 WP 000565004.1           FLASCALVFSVTELLILIQFASATGILAFLLQKKKERLPFVPFLLLATCLIIFGKLLLV   219
NTDB id 1141991 DQL12 RS09235 WP 000565021.1   FLASCALVFSVTELLILIQFASATGILAFLLQKKKERLPFVPFLLLAACVIIFGKLLLV   219
NTDB id 266 KZH43 RS07930 WP 000565010.1        FLASCALVFSVTELLILIQFASATGILAFLLQKKKERLPFVPFLLLAACVIIFGKLLLV   219
NTDB id 225 SPD RS08500 WP 000565010.1          FLASCALVFSVTELLILIQFASATGILAFLLQKKKERLPFVPFLLLAACVIIFGKLLLV   219
NTDB id 191 SPR RS08095 WP 000565010.1          FLASCALVFSVTELLILIQFASATGILAFLLQKKKERLPFVPFLLLAACVIIFGKLLLV   219
consensus                                       !!!!!**!!!*!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!*!!!!!!!!!!
```

X non conserved

X similar

X ≥ 50% conserved