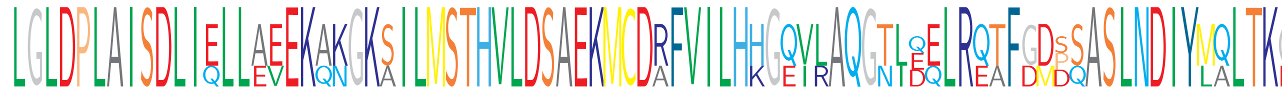
```
logo
```

```
NTDB id 291405 DG474 RS01965 WP 255778681.1  MLEIKNLTGGYIHVPVLKDVSFTVESGQLVGLIGLNGAGKSTTINEIIGLLTPYSGEIKINGLTLREDATNYRKQIGYIP   80
NTDB id 473 HSISS4 RS07770 WP 021143710.1    MLKLEKVTGGYANIPVLKDVTFEVADGELVGLIGLNGAGKSTTINEIIGLLTPYGGQIAIDGLTIQQDPASYRQKIGYIP   80
NTDB id 481 STER RS07730 WP 002951673.1      MLKLEKVTGGYANIPVLKDVTFEVADGELVGLIGLNGAGKSTTINEIIGLLTPYGGQIAIDGLTIQQDPASYRQKIGYIP   80
consensus                                    !!*****!!!!***!!!!!!*!*!**!*!!!!!!!!!!!!!!!!!!!!!!!!!!*!*!*!*!!!***!***!!**!!!!!
```

```
logo
```

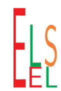
```
NTDB id 291405 DG474 RS01965 WP 255778681.1  ETPSLYEELTLREHIETVAMAYGIGQKVAFDRVEPLLKMFRLDQKLDWFPVHFSKGMKQKVMIICAFVVDPSLFIVDEPF   160
NTDB id 473 HSISS4 RS07770 WP 021143710.1    ETPSLYEELTLREHLETVLMAYGLDVTEGMVRADKYLKLFRLDEKLDWFPTQFSKGMKQKVMIICAFIVNPSLFIVDEPF   160
NTDB id 481 STER RS07730 WP 002951673.1      ETPSLYEELTLREHLETVLMAYGLDVTEGMARADKYLKLFRLDEKLDWFPTQFSKGMKQKVMIICAFIVNPSLFIVDEPF   160
consensus                                    !!!!!!!!!!!!!!*!!!*!!!!******* !****!!*!!!!*!!!!!!**!!!!!!!!!!!!!!!*!*!!!!!!!!!!
```

```
logo
```



```
NTDB id 291405 DG474 RS01965 WP 255778681.1  LGLDPLAISDLIQLLEVEKQKGKSILMSTHVLDSAEKMCDAFVILHKGEVRAQGNLQQLREAFDMPQASLNDIYLALTKE   240
NTDB id 473 HSISS4 RS07770 WP 021143710.1    LGLDPLAISDLIELLAEEKAKGKAILMSTHVLDSAEKMCDRFVILHHGQVLAQGTLEELRQTFGDDSASLNDIYMQLTKG   240
NTDB id 481 STER RS07730 WP 002951673.1      LGLDPLAISDLIELLAEEKANGKSILMSTHVLDSAEKMCDRFVILHHGQILAQGTIDELRQTFGDSSASLNDIYMQLTKG   240
consensus                                    !!!!!!!!!!!!*!!**!!**!!*!!!!!!!!!!!!!!!!*!!!!!*!***!!!***!!**!** *!!!!!!!**!!!*
```

```
logo
```



```
NTDB id 291405 DG474 RS01965 WP 255778681.1  EEL   243
NTDB id 473 HSISS4 RS07770 WP 021143710.1    ELS   243
NTDB id 481 STER RS07730 WP 002951673.1      ELS   243
consensus                                    !**
```

- X non conserved
- X similar
- X ≥ 50% conserved