logo

```
NTDB id 320357 D4G81 RS02610 WP 139524112.1  MKSNFQYSALENIPKAFDTLKDPPKKLYCVGDTKLLEAPLKVAIIGTRRPTPYSKQHTITLARELAKNGAVIVSGGALGV  80
NTDB id 1210 C694 RS01710 WP 001862983.1     MKSHFQYSTLENIPKAFDILKDPPKKLYCVGDTKLLDTPLKVAIIGTRRPTPYSKQHTITLARELAKNGAVIVSGGALGV  80
NTDB id 1239 Cj0634 YP 002344063.1           MASEI...LPDEFLELFKDLKKPPKKLHYKGNLSLLK.QDKIAIIGSRRMSVYTKNCVFSLASMLKNAHLCVVSGGALGV  76
consensus                                    !*! **** *******!* !!*!!!!!***!***!!* **!*!!!!*!!***!*!*****!!**!*******!!!!!!!!
```

logo

```
NTDB id 320357 D4G81 RS02610 WP 139524112.1  DIIAQENALPKTIMLSPCSLDLIYPTNNHKVIQEIAQNGLILSEYEKDFMPVKGSFLARNRLVIALSDAVIIPQADLKSG  160
NTDB id 1210 C694 RS01710 WP 001862983.1     DIIAQENALPKTIMLSPCSLDFIYPTNNHKVIQEIAQNGLILSEYEKDFMPIKGSFLARNRLVIALSDVVIIPQADLKSG  160
NTDB id 1239 Cj0634 YP 002344063.1           DITASMAAMPNTIGIFANGLDQIYPRTNEKIIKQIYENALALSEYEDDYLPKNYDFLLRNRLVIALSKAVVVAQADIKSG  156
consensus                                    !!*!***!*!*!!******!! !!!**!*!*!**!**!*!*!!!!!*!**!****!!*!!!!!!!!!**!***!!!*!!!
```

logo

```
NTDB id 320357 D4G81 RS02610 WP 139524112.1  SMSSARLAQKYQKPLFVLPQRLNESDGTNELLEKGQAQGIFNIQNFINTLLKDYHLKEMPEMKDEFLEYCTKNPSYEEAY  240
NTDB id 1210 C694 RS01710 WP 001862983.1     SMSSARLAQKYQKPLFVLPQRLNESDGTNELLEKGQAQGIFNIQNFINTLLKDYHLKEMPEMEDEFLEYCAKNPSYEEAY  240
NTDB id 1239 Cj0634 YP 002344063.1           SMQSAKLALELNKPLYVLPQRLGESTATNLLLKENKAKLICDFKEFVSEF......ASIDMNQDEFLEFCKKGVSVDEAL  230
consensus                                    !!*!!*!!****!!!*!!!!!!*!!**!!*!!****!**!*****!**************** !!!!!*! !**!**!!*
```

logo

```
NTDB id 320357 D4G81 RS02610 WP 139524112.1  LKFGDKLLEYELLGKIKRINHLVVLA.  266
NTDB id 1210 C694 RS01710 WP 001862983.1     LKFGDKLLEYELLGKIKRINHIVVLA.  266
NTDB id 1239 Cj0634 YP 002344063.1           KIYGQKVYEYELEGKISIEGLFIRVLA  257
consensus                                    ***!*!**!!!!*!!!*****!****
```

X non conserved

X similar

X ≥ 50% conserved