```
NTDB id 1210 C694 RS01710 WP 001862983.1          MKSHFQYSTLENIPKAFDILKDPPKKLYCVGDTKLLDTPLKVAIIGTRRPTPYSKQHTITLARELAKNGAVIVSGGALGV   80
NTDB id 155099 CPIN17261 RS07630 WP 078388033.1   ....MDFIDKQELPESLNRLKNPPKKLFYIGNKSLLKLP.KIAIVGSRKASVYTKNCVLQLSSVLKNHGICVVSGGALGV   75
NTDB id 1239 Cj0634 YP 002344063.1                ...MASEILPDEFLELFKDLKKPPKKLHYKGNLSLLKQD.KIAIIGSRRMSVYTKNCVFSLASMLKNAHLCVVSGGALGV   76
consensus                                               **  ***** *  !! !!!!!***!* *!!* * !*!!*!*!* **!*!******!***!** ****!!!!!!!!
```

```
NTDB id 1210 C694 RS01710 WP 001862983.1          DIIAQENALPKTIMLSPCSLDFIYPTNNHKVIQEIAQNGLILSEYEKDFMPIKGSFLARNRLVIALSDVVIIPQADLKSG  160
NTDB id 155099 CPIN17261 RS07630 WP 078388033.1   DILAHVGAMPNTIGVFANGLDTIYPKTNEKTIREIYKHGLALSEYEPESLPVAYKFIQRNRIVVSLCNAVVIAQADIKSG  155
NTDB id 1239 Cj0634 YP 002344063.1                DITASMAAMPNTIGIFANGLDQIYPRTNEKIIKQIYENALALSEYEDDYLPKNYDFLLRNRLVIALSKAVVVAQADIKSG  156
consensus                                         !!*! **!*!*!!******!! !!!**!*!*!**!* **!*!!!!! ***!* * !* !!!*!**!* *!***!!!*!!!
```

```
NTDB id 1210 C694 RS01710 WP 001862983.1          SMSSARLAQKYQKPLFVLPQRLNESDGTNELLEKGQAQGIFNIQNFINTLLKDYHLKEMPEMEDEFLEYCAKNPSYEEAY  240
NTDB id 155099 CPIN17261 RS07630 WP 078388033.1   SMQSAKMACELGVPVYVLAQRYSESDGTNYLLANSKAKLIGDFNEFAASFGTTNYMQ..ESTTDEFLGFCKNGVSLQYAL  233
NTDB id 1239 Cj0634 YP 002344063.1                SMQSAKLALELNKPLYVLPQRLGESTATNLLLKENKAKLICDFKEFVSEFASIDM......NQDEFLEFCKKGVSVDEAL  230
consensus                                         !!*!!**! ****!**!!*!!* !!**!! !!    *!**! ****!* ****    *        !!!!**!****!***!*
```

```
NTDB id 1210 C694 RS01710 WP 001862983.1          LKFGDKLLEYELLGKIKRINHIVVLA.   266
NTDB id 155099 CPIN17261 RS07630 WP 078388033.1   DKFGDIVYEYELNGLIKIENLRVIVV.   259
NTDB id 1239 Cj0634 YP 002344063.1                KIYGQKVYEYELEGKISIEGLFIRVLA  257
consensus                                          **!****!!!! !*!***** ****
```

X non conserved
X similar
X ≥ 50% conserved