```
NTDB id 1210 C694 RS01710 WP 001862983.1          MKSHFQYSTLENIPKAFDILKDPPKKLYCVGDTKLLDTPLKVAIIGTRRPTPYSKQHTITLARELAKNGAVIVSGGALGV   80
NTDB id 1081477 CLC19222 RS04570 WP 257404042.1   ...MK...FIENIEDFKNLLNPPSKIYYKGNLELLNA.RKVAVIGSRKMSVYTKNCLVELVTLLKKTNVCVVSGGALGV   72
NTDB id 1239 Cj0634 YP 002344063.1                MASEIL...PDEFLELFKDLKKPPKKLHYKGNLSLLKQ.DKIAIIGSRRMSVYTKNCVFSLASMLKNAHLCVVSGGALGV   76
consensus                                         * * *      ** ** !* !* !!*!****!** !!     !*!*!!*!****!*!******!***!**   ***!!!!!!!!
```

```
NTDB id 1210 C694 RS01710 WP 001862983.1          DIIAQENALPKTIMLSPCSLDFIYPTNNHKVIQEIAQNGLILSEYEKDFMPIKGSFLARNRLVIALSDVVIIPQADLKSG  160
NTDB id 1081477 CLC19222 RS04570 WP 257404042.1   DIQAAKIAYPQTIAIFANGLDEIYPKANTNEILNIYENALALSENEGNYKAKPYDFLLRNRLIIALSEVVIIAQADLKSG  152
NTDB id 1239 Cj0634 YP 002344063.1                DITASMAAMPNTIGIFANGLDQIYPRTNEKIIKQIYENALALSEYEDDYLPKNYDFLLRNRLVIALSKAVVVAQADIKSG  156
consensus                                         !! !   !*!*!!******!! !!!* ! **! *!**!*!*!!!*! ***** **!!*!!!!*!!!!**!***!!!*!!!
```

```
NTDB id 1210 C694 RS01710 WP 001862983.1          SMSSARLAQKYQKPLFVLPQRLNESDGTNELLEKGQAQGIFNIQNFINTLLKDYHLKEMPEMEDEFLEYCAKNPSYEEAY  240
NTDB id 1081477 CLC19222 RS04570 WP 257404042.1   SMQSARLALGMNKPIYVLPHRKNESDGTNLLLAAKKANLIHDFDEFAK....MFGELHYEQSEDLLLSFLKHEDDLEKVL  228
NTDB id 1239 Cj0634 YP 002344063.1                SMQSAKLALELNKPLYVLPQRLGESTATNLLLKENKAKLICDFKEFVS....EFASIDMN..QDEFLEFCKKGVSVDEAL  230
consensus                                         !!*!!*!!* **!!**!!!*!**!!**!!*!!    *!**! ** *!*      *** ***   *!**!*****  ******
```

```
NTDB id 1210 C694 RS01710 WP 001862983.1          LKFGDKLLEYELLGKIKRINHIVVLA.   266
NTDB id 1081477 CLC19222 RS04570 WP 257404042.1   KKFGDRVYEYELEGFVKISGVKIRACL   255
NTDB id 1239 Cj0634 YP 002344063.1                KIYGQKVYEYELEGKISIEGLFIRVLA   257
consensus                                         ***!****!!!!*!**** ** ***
```

X non conserved
X similar
X ≥ 50% conserved