```
NTDB id 1210 C694 RS01710 WP 001862983.1          MKSHFQYSTLENIPKAFDILKDPPKKLYCVGDTKLLDTPLKVAIIGTRRPTPYSKQHTITLARELAKNGAVIVSGGALGV   80
NTDB id 155031 CCON33237 RS06705 WP 054196935.1   MRL.......DFIPESLNRLKNPPKQLNFIGDTSLLSLP.KIAVVGSRKASVYTKECVTALCAVLKSANICVVSGGAIGV   72
NTDB id 1239 Cj0634 YP 002344063.1                MASE...ILPDEFLELFKDLKKPPKKLHYKGNLSLLKQD.KIAIIGSRRMSVYTKNCVFSLASMLKNAHLCVVSGGALGV   76
consensus                                         !**        * *** *  !! !!!*! **!***!!  * !*!**!*!* **!*!*** *!* *!* * ***!!!!!*!!
```

```
NTDB id 1210 C694 RS01710 WP 001862983.1          DIIAQENALPKTIMLSPCSLDFIYPTNNHKVIQEIAQNGLILSEYEKDFMPIKGSFLARNRLVIALSDVVIIPQADLKSG  160
NTDB id 155031 CCON33237 RS06705 WP 054196935.1   DIAAHKAAMPRTIGIFASGLDTIYPSQNKAAIKEIYTKALALSEYDEGEPPLAYRFLERNRIVVGLCEALVVAQADLKSG  152
NTDB id 1239 Cj0634 YP 002344063.1                DITASMAAMPNTIGIFANGLDQIYPRTNEKIIKQIYENALALSEYEDDYLPKNYDFLLRNRLVIALSKAVVVAQADIKSG  156
consensus                                         !! !  *!*!*!!**** *!! !!!**! **!**!* **!*!!!!*****!* * !! !!!*!**!*******!!!*!!!
```

```
NTDB id 1210 C694 RS01710 WP 001862983.1          SMSSARLAQKYQKPLFVLPQRLNESDGTNELLEKGQAQGIFNIQNFINTLLKDYHLKEMPEMEDEFLEYCAKNPSYEEAY  240
NTDB id 155031 CCON33237 RS06705 WP 054196935.1   SMQSARLANELKIPVYVLPQRMGESDGTIFLLANKKAELIDDYHKFAS....LFGEVEEQKIDDDVVKFCKDGISLDDAL  228
NTDB id 1239 Cj0634 YP 002344063.1                SMQSAKLALELNKPLYVLPQRLGESTATNLLLKENKAKLICDFKEFVS....EFASIDM..NQDEFLEFCKKGVSVDEAL  230
consensus                                         !!*!!*!!*****!**!!!!!**!!**!* !!    *! *! **  !**     *** ***  **!*****!****!***!*
```

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NTDB id 1210 C694 RS01710 WP 001862983.1          LKFGDKLLEYELLGKIKRINHIVVLA.   266
NTDB id 155031 CCON33237 RS06705 WP 054196935.1   AKFGDIIYEYELDGLIEISNLRVKSVL   255
NTDB id 1239 Cj0634 YP 002344063.1                KIYGQKVYEYELEGKISIEGLFIRVLA   257
consensus                                          **!****!!!!*!*! * ** ****
```

X non conserved
X similar
X ≥ 50% conserved