```
NTDB id 1146 A1552VC RS00790 WP 001188316.1   MQRANYARTIYLLTTQPKALHPSIQAAIEQLNLPVPVIEPERLLREYQSDKHKILLLDHAENGLIRQQLGPLKLTSPYFE   80
NTDB id 265966 RK51 RS04745 WP 005480993.1    MRKSAYARKLFLISMEDDAAQ.KVASLEKYIDMSIPVISTDALMEAKPEHRNKILLIDFSEHKSLVQSIKNLPLVWKNFE   79
NTDB id 1296 VP RS13295 WP 005480993.1        MRKSAYARKLFLISMEDDAAQ.KVASLEKYIDMSIPVISTDALMEAKPEHRNKILLIDFSEHKSLVQSIKNLPLVWKNFE   79
NTDB id 1394 DSB67 RS13765 WP 005432827.1     MKKSAYARKLFLISMEEDAGK.KVEALEKYTDIDIPVISTQALMEANPKHRNKILLIDFSEHKELVLSIKNLPLIWKNFE   79
consensus                                     !****!!!***!******!** *** *********!!!****!**********!!!!*!**!**********!*!****!!
```

```
NTDB id 1146 A1552VC RS00790 WP 001188316.1   TILFNVEKRLRTEDLLTFGNLKGLFYANEDTGFIAHGLGEIINGQNWLPRHVSSQLLHYYRYAFQSHQVQATVDLTAREI   160
NTDB id 265966 RK51 RS04745 WP 005480993.1    TVVFNVPKRLTTDELLAFGQLKGLFYSEDSLEQVGEGLKGIVNGQNWLPRNVTSQLLHYYRNVINTHTAPATVDLTIREL   159
NTDB id 1296 VP RS13295 WP 005480993.1        TVVFNVPKRLTTDELLAFGQLKGLFYSEDSLEQVGEGLKGIVNGQNWLPRNVTSQLLHYYRNVINTHTAPATVDLTIREL   159
NTDB id 1394 DSB67 RS13765 WP 005432827.1     TVVFNVPKRLTTDELLAFGQLKGIFYEESSLEQIGEGLKEIINGQNWLPRNVTSQLLHYYRNVISTHTAPATVDLTIREL   159
consensus                                     !**!!!*!!!*!**!!*!!*!!!*!!**********!!* !*!!!!!!!!!*!*!!!!!!!!!*****!***!!!!!!*!!*
```

```
NTDB id 1146 A1552VC RS00790 WP 001188316.1   QILRCLQTGASNMQIAENLFISEFTVKSHLYQIFKKLNVKNRVKAIAWVNQNLL.   214
NTDB id 265966 RK51 RS04745 WP 005480993.1    QVLRCLQAGASNSQMAEELFVSEFTIKSHLYQIFKKLSVKNRVQAIAWADQNLMS   214
NTDB id 1296 VP RS13295 WP 005480993.1        QVLRCLQAGASNSQMAEELFVSEFTIKSHLYQIFKKLSVKNRVQAIAWADQNLMS   214
NTDB id 1394 DSB67 RS13765 WP 005432827.1     QVLRCLQAGASNNQMAEELFVSEFTIKSHLYQIFKKLSVKNRVQAIAWADQNLMS   214
consensus                                     !*!!!!!*!!!!*!*!!*!!*!!!!*!!!!!!!!!!!!!*!!!!!*!!!!**!!!**
```

X non conserved
X similar
X ≥ 50% conserved