```
logo
NTDB id 350554 DDF84 RS01545 WP 017511025.1  MKPSLQLRLSQHLALTPQLQQSIRLLQLSTLELQQEVEQALTENPLLERENDWIESPLRVAADGSVNLQSA....PAPAS   76
NTDB id 1425 RS RS02020 WP 011000369.1       MKQSLQLRLSQHLALTPQLQQSIRLLQLSTIELQQEVEQALTENPLLERENEWLDTSARIGADGSVNALQSSSATPLPTE   80
consensus                                    !!*!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!*!**** !**!!!!!!     ****! !
```

```
logo
NTDB id 350554 DDF84 RS01545 WP 017511025.1  S.EPQGNGDDRTNGANG..EDDSYGDSASDDYGSDWSLDDFARRPQGDDDEKSPMQLREAEPTLREYLMEQLTPLKISTR   153
NTDB id 1425 RS RS02020 WP 011000369.1       SPPPAANGADHADTAEASYENGSDFDSDYGTERSDWSLDDFARKPQSDEDDRAPMQLREAEPTQREFLMEQLAPLKLSPR   160
consensus                                    !**! *!! !*   ! ***!  !  !!      !!!!!!!!!!*!! !*!** !!!!!!!!!! !!*!!!!! !!!*!*!
```

```
logo
NTDB id 350554 DDF84 RS01545 WP 017511025.1  DKGLAIFLIESLDDDGYLGATLDEICSELPKELEFEVDEVQAILTLLQSFDPPGVGARNAAECLTLQLRRLQHPQRDLAL   233
NTDB id 1425 RS RS02020 WP 011000369.1       DKGLVIFLIESLDDEGYLTGSLDEILADLPAELEVELDELQAALRMLQSFDPAGIGARSAAECLTLQLQRLDSPAKPLAL   240
consensus                                    !!!! !!!!!!!!!*!!!! **!!!!* *!! !!! !*!!*!! ! *!!!!!!*!*!!!! !!!!!!!!! !! *! **!!!
```

```
logo
NTDB id 350554 DDF84 RS01545 WP 017511025.1  SIVNHHLELLAVRDYTRLKKALQVDEIALKAAHDLIRSLAPYPGHAYSRPEADFVVPDVFVRKSGSSWIAQLNPDVMPRL   313
NTDB id 1425 RS RS02020 WP 011000369.1       TIVNQHLELLAARDYTRLKKALSVDDGELKAAHELIRSLAPFPGHAFGRAEADFVVPDVVVRKTAAGWMAQLNPDVMPRL   320
consensus                                    *!!!*!!!!!! !!!!!!!!!!! !!*  !!!!!*!!!!!!!!*!!!!* !*!!!!!!!!!! !!!**  !*!!!!!!!!!!!
```

```
logo
NTDB id 350554 DDF84 RS01545 WP 017511025.1  RINDMYAQILRGAKGEAGAAGLQQKLQEARWLIKNIQQRFDTILRVAQAIVERQRNFFSHGEIAMRPLVLREIADTLGLH   393
NTDB id 1425 RS RS02020 WP 011000369.1       RINDMYAQILRSSRGESGAANLQQKLQEARWLIKNIQQRFDTILRVSQAIVERQKSFFTHGEIAMRPLVLREIADTLGLH   400
consensus                                    !!!!!!!!!!!  *!! !!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

```
logo
NTDB id 350554 DDF84 RS01545 WP 017511025.1  ESTISRVTTNKYMATPMGTFELKYFFGSHVSTETGGAASSTAIRALIKQLIGAEEPRNPLSDSRIAELLGEQGFVVARRT   473
NTDB id 1425 RS RS02020 WP 011000369.1       ESTISRVTTNKYMATPMGTFELKYFFGSHVSTETGGAASSTAIRALIKQLVGAEDPKNPLSDSRIAELLGEQGFVVARRT   480
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

```
logo
NTDB id 350554 DDF84 RS01545 WP 017511025.1  VAKYREALKIPAVNLRKTL   492
NTDB id 1425 RS RS02020 WP 011000369.1       VAKYREALKIPAVNLRKSL   499
consensus                                    !!!!!!!!!!!!!!!!!!*!
```

X non conserved
X similar
X $\geq$ 50% conserved