logo

```
NTDB id 37076 BC1002 RS01615 WP 013088327.1  MKASLQLRLSQHLALTPQLQQSIRLLQLSTLELQQEVAMAISQNPLLENEDEWIASPLRVAADGSVIAQTPGSSAPADP.   79
NTDB id 1425 RS RS02020 WP 011000369.1       MKQSLQLRLSQHLALTPQLQQSIRLLQLSTIELQQEVEQALTENPLLERENEWLDTSARIGADGSVNALQSSSATPLPTE   80
consensus                                    !! !!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!!!!  !**  !!!!! ! !!* ** !**!!!!! !  * !  ! ***
```

logo

```
NTDB id 37076 BC1002 RS01615 WP 013088327.1  ...MAGNGSTSSEGNGERAESGEPQGVDEYNGLSGDGGDTSQWNLDDYGRSGNASDDDDLPPLQIHESSTSLRDHLMAQ   156
NTDB id 1425 RS RS02020 WP 011000369.1       SPPPAANGADHAD........TAEASYENGSDFDSDYGTERSDWSLDDFARKPQ.SDEDDRAPMQLREAEPTQREFLMEQ   151
consensus                                    ****!*!!  *  *********   *    *          !  !  *  !  !  !!!**!  ***!!*!!  *!*!**!    **  !**!! !
```

logo

```
NTDB id 37076 BC1002 RS01615 WP 013088327.1  LRVTQASQRDRALITFLIESLDDDGYLAATLEEVLADLPEELEVDVDELNAALALLHSFDPPGVGARSASECLKLQLLRL   236
NTDB id 1425 RS RS02020 WP 011000369.1       LAPLKLSPRDKGLVIFLIESLDDEGYLTGSLDEILADLPAELEVELDELQAALRMLQSFDPAGIGARSAAECLTLQLQRL   231
consensus                                    !  *    !*!!**!*  !!!!!!!!*!!!  **!*!*!!!!!  !!!!**!!!*!!!  *!*!!!!*!*!!!!!  !!!  !!!  !!
```

logo

```
NTDB id 37076 BC1002 RS01615 WP 013088327.1  EPSPTRTLALDIVGRYLELLAARDFTRLRKHLKASDDDLRDAHALIRSLEPFPGAAYGKAEADYVVPDIMVRKTAQGWQA   316
NTDB id 1425 RS RS02020 WP 011000369.1       D.SPAKPLALTIVNQHLELLAARDYTRLKKALSVDDGELKAAHELIRSLAPFPGHAFGRAEADFVVPDVVVRKTAAGWMA   310
consensus                                    **!!  **!!!  !!   *!!!!!!!!!*!!!*!*!    !  *!*  !!  !!!!!  !!!!*!*!*!!!!!*!!!!**!!!!!  !!  !
```

logo

```
NTDB id 37076 BC1002 RS01615 WP 013088327.1  ELNPEVVPKLRINHLYANILRNNRGDPGSGSLRQQLQEARWLIKNIQQRFETILRVAQAIVERQKSFFVHGEIAMRPLVL   396
NTDB id 1425 RS RS02020 WP 011000369.1       QLNPDVMPRLRINDMYAQILRSSRGESGAANLQQKLQEARWLIKNIQQRFDTILRVSQAIVERQKSFFTHGEIAMRPLVL   390
consensus                                     !!!*!*!*!!!!**!!*!!!   !!**!  *  !  !  !!!!!!!!!!!!!!!*!!!!!  !!!!!!!!!!!  !!!!!!!!!!
```

logo

```
NTDB id 37076 BC1002 RS01615 WP 013088327.1  REIADTLGLHESTVSRVTTGKYMLTPFGTLEFKYFFGSHVSTDTGGAASSTAIRALIKQLIGAENPKSPLSDSRIAELLA   476
NTDB id 1425 RS RS02020 WP 011000369.1       REIADTLGLHESTISRVTTNKYMATPMGTFELKYFFGSHVSTETGGAASSTAIRALIKQLVGAEDPKNPLSDSRIAELLG   470
consensus                                    !!!!!!!!!!!!!*!!!!!  !!!  !!  !!  !  !!!!!!!!!!*!!!!!!!!!!!!!!!!!!*!!!  !!  !!!!!!!!!!!*
```

logo

```
NTDB id 37076 BC1002 RS01615 WP 013088327.1  EQGFVVARRTVAKYREALKIPAVNLRKSL   505
NTDB id 1425 RS RS02020 WP 011000369.1       EQGFVVARRTVAKYREALKIPAVNLRKSL   499
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

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