logo



```
NTDB id 93144 AKN41 RS04850 WP 000705706.1   MKITTVGVCIICGIFPLLILPQLPGTLTLAFLTLFACVLAFIPVKTVRYIALTLLFFVWGILSAKQILWAGETLTGATQD   80
NTDB id 1439 BW25113 RS04735 WP 000705764.1  MKITTVGVCIISGIFPLLILPQLPGTLTLAFLTLFACVLAFIPVKTVRYIALTLLFFVWGILSAKQILWAGETLTGATQD   80
consensus                                    !!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 93144 AKN41 RS04850 WP 000705706.1   AIVEITATDGMTTHYGQITHLQGRRIFPAPGLVLYGEYLPQAVCAGQQWSMKLKVRAVHGQLNDGGFDSQRYAIAQHQPL   160
NTDB id 1439 BW25113 RS04735 WP 000705764.1  AIVEITATDGMTTHYGQITHLQGRRIFPASGLVMYGEYLPQAVCAGQQWSMKLKVRAVHGQLNDGGFDSQRYAIAQHQPL   160
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!*!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 93144 AKN41 RS04850 WP 000705706.1   TGRFLQASVIEPNCSLRAQYLASLQTTLQPYPWNAVILGLGMGERLSVPKEIKNIMRDTGTAHLMAISGLHIAFAALLAA   240
NTDB id 1439 BW25113 RS04735 WP 000705764.1  TGRFLQASVIEPNCSLRAQYLASLQTTLQPYPWNAVILGLGMGERLSVPKEIKNIMRDTGTAHLMAISGLHIAFAALLAA   240
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 93144 AKN41 RS04850 WP 000705706.1   GLIRSGQIFLPGRWIHWQIPLIGGICCAAFYAWLTGMQPPALRTVVALATWGMLKLSGRQWSGWDVWICCLAAILLMDPV   320
NTDB id 1439 BW25113 RS04735 WP 000705764.1  GLIRSGQIFLPGRWIHWQIPLIGGICCAAFYAWLTGMQPPALRTMVALATWGMLKLSGRQWSGWDVWICCLAAILLMDPV   320
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 93144 AKN41 RS04850 WP 000705706.1   AILSQSLWLSAAAVAALIFWYQWFPCPEWQLPPVLRAVVSLIHLQLGITLLLMPVQIVIFHGISLTSFIANLLAIPLVTF   400
NTDB id 1439 BW25113 RS04735 WP 000705764.1  AILSQSLWLSAAAVAALIFWYQWFPCPEWQLPPVLRAVVSLIHLQLGITLLLMPVQIVIFHGISLTSFIANLLAIPLVTF   400
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 93144 AKN41 RS04850 WP 000705706.1   ITVPLILAAMVVHLSGPLILEQGLWFLADRSLALLFWGLKSLPEGWINIAERWQWLSFSPWFLLVVWRLNAWRTLPAMCV   480
NTDB id 1439 BW25113 RS04735 WP 000705764.1  ITVPLILAAMVVHLSGPLILEQGLWFLADRSLALLFWGLKSLPEGWINIAECWQWLSFSPWFLLVVWRLNAWRTLPAMCV   480
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 93144 AKN41 RS04850 WP 000705706.1   AVGLLMCWPLWQKPRPDEWQVYMLDVGQGLAMVIARNGKAILYDTGLAWPEGDSGQQLIIPWLHWHNLEPEGVILSHEHL   560
NTDB id 1439 BW25113 RS04735 WP 000705764.1  AGGLLMCWPLWQKPRPDEWQLYMLDVGQGLAMVIARNGKAILYDTGLAWPEGDSGQQLIIPWLHWHNLEPEGVILSHEHL   560
consensus                                    !  !!!!!!!!!!!!!!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 93144 AKN41 RS04850 WP 000705706.1   DHRGGLDSILHTWPMLWIRSPLNWEHHQPCVRGEAWQWQGLRFSVHWPLQASNDKGNNHSCVVKVDDGTNSILLTGDIEV   640
NTDB id 1439 BW25113 RS04735 WP 000705764.1  DHRGGLDSILHIWPMLWIRSPLNWEHHQPCVRGEAWQWQGLRFSAHWPLQGSNDKGNNHSCVVKVDDGTNSILLTGDIEA   640
consensus                                    !!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! !!!!!*!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 93144 AKN41 RS04850 WP 000705706.1   PAEQKMLSRYWQQVQTTLLQVPHHGSNTSSSLPLIQRVNGKVALASASRYNAWRLPSNKVKHRYQQQGYQWLDTPHQGQV   720
NTDB id 1439 BW25113 RS04735 WP 000705764.1  PAEQKMLSRYWQQVQATLLQVPHHGSNTSSSLPLIQRVNGKVALASASRYNAWRLPSNKVKHRYQLQGYQWIDTPHQGQT   720
consensus                                    !!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

logo



```
NTDB id 93144 AKN41 RS04850 WP 000705706.1   TVNFSAQGWRISSLREQILPRWYHQWFGVPVDNG   754
NTDB id 1439 BW25113 RS04735 WP 000705764.1  TVNFSAQGWRISSLREQILPRWYHQWFGVPVDNG   754
consensus                                    !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
```

X non conserved

X similar

X ≥ 50% conserved