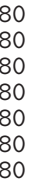
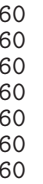


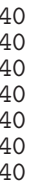
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NTDB id 284553 SM12261 RS07370 WP 000614511.1
NTDB id 146 SP RS08570 WP 000614538.1
NTDB id 216 SPD RS08205 WP 000614552.1
NTDB id 182 SPR RS07820 WP 000614552.1
NTDB id 257 KZH43 RS07655 WP 220041236.1
NTDB id 467 HSISS4 RS06915 WP 021143821.1
NTDB id 384 SMU RS02325 WP 002263039.1
consensus
```



```
NTDB id 284653 SM12261 RS07370 WP 000614511.1
NTDB id 146 SP RS08570 WP 000614538.1
NTDB id 216 SPD RS08205 WP 000614552.1
NTDB id 182 SPR RS07820 WP 000614552.1
NTDB id 257 KZH43 RS07655 WP 220041236.1
NTDB id 467 HSISS4 RS06915 WP 021143821.1
NTDB id 384 SMU RS02325 WP 002263039.1
consensus
```



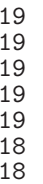
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NTDB id 284653 SM12261 RS07370 WP 000614511.1
NTDB id 146 SP RS08570 WP 000614538.1
NTDB id 216 SPD RS08205 WP 000614552.1
NTDB id 182 SPR RS07820 WP 000614552.1
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consensus
```



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NTDB id 284653 SM12261 RS07370 WP 000614511.1
NTDB id 146 SP RS08570 WP 000614538.1
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NTDB id 384 SMU RS02325 WP 002263039.1
consensus

```



logo

|                                               |                                                                                    |     |
|-----------------------------------------------|------------------------------------------------------------------------------------|-----|
| NTDB id 284653 SM12261 RS07370 WP 000614511.1 | KNPSQAVTEETYQPQAPKKHRFKMRYLILLASLVVAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGEEK     | 398 |
| NTDB id 146 SP RS08570 WP 000614538.1         | KNPSQAVTEETYQPQAPKKHRFKMRYLILLASLVVAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGEEK     | 398 |
| NTDB id 216 SPD RS08205 WP 000614552.1        | KNPSQAVTEETYQPQAPKKHRFKMRYLILLASLVVAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGEEK     | 398 |
| NTDB id 182 SPR RS07820 WP 000614552.1        | KNPSQAVTEETYQPQAPKKHRFKMRYLILLASLVVAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGEEK     | 398 |
| NTDB id 257 KZH43 RS07655 WP 220041236.1      | KNPSQAVTEETYQPQAPKKHRFKMRYLILLASLVVAASLIWILSRTPATIAIPDVAGQTVAEAKATLKKANFEIGEEK     | 398 |
| NTDB id 467 HSISS4 RS06915 WP 021143821.1     | PAPSKQPRKKTPPAKKKKKKNFFSTLLKVFGLVFIGIIFAYLVFTNPDNVQVPNVVQQLSTAQTKIEGAGFKVGEVK      | 398 |
| NTDB id 384 SMU RS02325 WP 002263039.1        | KVDHKSKPKTKPQPKPKKKRHFLLARFFKIFFILVAIGIAVLTTLVLTLPSTVSVPDVSGDKLSTAKMIIRKSGLKVGDDVQ | 398 |
| consensus                                     | *****!*****                                                                        |     |

logo

|                                               |                                                                                   |     |
|-----------------------------------------------|-----------------------------------------------------------------------------------|-----|
| NTDB id 284653 SM12261 RS07370 WP 000614511.1 | TEASEKVEEGRIIRTDPGAGTGRKEGTKINLVSSGKQSFQISNYVGRKSSDVIAELKEK KVPDNLKIEEEESNESEA    | 477 |
| NTDB id 146 SP RS08570 WP 000614538.1         | TEASEKVEEGRIIRTDPGAGTGRKEGTKINLVSSGKQSFQISNYVGRKSSDVIAELKEK KVPDNLKIEEEESNESEA    | 477 |
| NTDB id 216 SPD RS08205 WP 000614552.1        | TEASEKVEEGRIIRTDPGAGTGRKEGTKINLVSSGKQSFQISNYVGRKSSDVIAELKEK KVPDNLKIEEEESNESEA    | 477 |
| NTDB id 182 SPR RS07820 WP 000614552.1        | TEASEKVEEGRIIRTDPGAGTGRKEGTKINLVSSGKQSFQISNYVGRKSSDVIAELKEK KVPDNLKIEEEESNESEA    | 477 |
| NTDB id 257 KZH43 RS07655 WP 220041236.1      | TEASEKVEEGRIIRTDPGAGTGRKEGTKINLVSSGKQSFQISNYVGRKSSDVIAELKEK KVPDNLKIEEEESNESEA    | 477 |
| NTDB id 467 HSISS4 RS06915 WP 021143821.1     | EVEDDSVDTGKVIKTDPTAGTTRKEGSSIDVYVSSGSKGFALKDYKGNKDAIEDLTSNFGVSEDQIDIQHVEDDSAE     | 478 |
| NTDB id 384 SMU RS02325 WP 002263039.1        | KIEDDNVVGAGKVVRTNPSAGSKKREGSSVDIFVAS.AKGFKMEDYTGQDYKDAIDNLTNNYGVSRDSIVLKEVSSDDYSG | 477 |
| consensus                                     | *****!*****                                                                       |     |

logo

|                                               |                                                                                  |     |
|-----------------------------------------------|----------------------------------------------------------------------------------|-----|
| NTDB id 284653 SM12261 RS07370 WP 000614511.1 | GTIVLKQSLPEGTTYDLSKATQIVLTVAKKATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEEESSESEPGTIMKQS | 501 |
| NTDB id 146 SP RS08570 WP 000614538.1         | GTIVLKQSLPEGTTYDLSKATQIVLTVAKKATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEEESSESEPGTIMKQS | 556 |
| NTDB id 216 SPD RS08205 WP 000614552.1        | GTIVLKQSLPEGTTYDLSKATQIVLTVAKKATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEEESSESEPGTIMKQS | 556 |
| NTDB id 182 SPR RS07820 WP 000614552.1        | GTIVLKQSLPEGTTYDLSKATQIVLTVAKKATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEEESSESEPGTIMKQS | 556 |
| NTDB id 257 KZH43 RS07655 WP 220041236.1      | GTIVLKQSLPEGTTYDLSKATQIVLTVAKKATTIQLGNYIGRNSTEVISELKQKKVPENLIKIEEEESSESEPGTIMKQS | 556 |
| NTDB id 467 HSISS4 RS06915 WP 021143821.1     | GEILSQSPGKNKSFNPKDSKAKIKFRVA.....                                                | 506 |
| NTDB id 384 SMU RS02325 WP 002263039.1        | GTVIGQSPKPKGKTYHPSSDKK.ITLKV.....                                                | 503 |
| consensus                                     | *****!*****                                                                      |     |

logo

|                                               |                                                                                 |     |
|-----------------------------------------------|---------------------------------------------------------------------------------|-----|
| NTDB id 284653 SM12261 RS07370 WP 000614511.1 | PGAGTTYDVSKPTQIVLTVAKKVSVAAMPsYIGSSLEFTKNNLIQIVGIKEANIEVVEV.....SKAPEGTAEGTVIEQ | 558 |
| NTDB id 146 SP RS08570 WP 000614538.1         | PGAGTTYDVSKPTQIVLTVAKKVTsvAMPsYIGSSLEFTKNNLIQIVGIKEANIEVVEV.....TTAPAGSAEGMVVEQ | 630 |
| NTDB id 216 SPD RS08205 WP 000614552.1        | PGAGTTYDVSKPTQIVLTVAKKVTsvAMPsYIGSSLEFTKNNLIQIVGIKEANIEVVEV.....TTAPAGSVEGMVVEQ | 630 |
| NTDB id 182 SPR RS07820 WP 000614552.1        | PGAGTTYDVSKPTQIVLTVAKKVTsvAMPsYIGSSLEFTKNNLIQIVGIKEANIEVVEV.....TTAPAGSVEGMVVEQ | 630 |
| NTDB id 257 KZH43 RS07655 WP 220041236.1      | PGAGTTYDVSKPTQIVLTVAKKVTsvAMPsYIGSSLEFTKNNLIQIVGIKEANIEVVEV.....TTAPAGSVEGMVVEQ | 630 |
| NTDB id 467 HSISS4 RS06915 WP 021143821.1     | .....TPKIVTMPDVTGLTVSTAVQTln.RKNISSSIEYHDYNTGAKLDKAKIPSSSTE.ILYQ                | 563 |
| NTDB id 384 SMU RS02325 WP 002263039.1        | .....VKVTMPNLKNSTYEAVSTLT.AMGISSRIKAY..DASDYSSEISSPSSSSLVVGQ                    | 557 |
| consensus                                     | *****!*****                                                                     |     |

logo



☐ non conserved  
☒ similar  
☒ ≥ 50% conserved