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|---------------------------------------------|--------------------------------------------------------------------------------------|-----|
| NTDB id 316737 D6869 RS11955 WP 011836048.1 | GVVQRRLLELGLSDWELKNGLEAVVYQRLIAGKGVLDIAKSKFDTWSPKKWNEKIENLYANGHLTAIEAEREKISINQASK    | 316 |
| NTDB id 586 KW2 RS10855 WP 011836048.1      | GVVQRRLLELGLSDWELKNGLEAVVYQRLIAGKGVLDIAKSKFDTWSPKKWNEKIENLYANGHLTAIEAEREKISINQASK    | 316 |
| NTDB id 584 DLJ51 RS00890 WP 019777327.1    | GVYARILELGVSDDELNCLAGIAYQRLIGGGGLIDFAQDHFQNHQAECWNEKIDQLLAAGHLTEEEAAAEEKIKD.....     | 315 |
| NTDB id 385 SMU RS09035 WP 002263435.1      | GVYARMLELGTSSSEELQNALRGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEIEIED.....   | 313 |
| NTDB id 394 FSA28 RS09405 WP 002291652.1    | GVYARMLELGTSSSEELQNALCGIVYQRLIGGGGIIDFAKGDYQNHSAKKWNKQIYDLFTAGYITEGEAQAEIEIED.....   | 313 |
| NTDB id 429 SGO RS09420 WP 012130942.1      | GVYERLLELGVSEEEELKIVLQGGICYQRLIGGGGVIDFASDNYQEHEPTVWNQQIDQLLAAGHIHPEQAEAEKIRNQQAKT   | 317 |
| NTDB id 270 KZH43 RS09265 WP 000249564.1    | GVYERLLELGVSEEEELAVVLQGVQYQRLIGGGGIVDFASRDYQEHQAACKWNEQIDQLLLKDGHITSLSQAETEKISYS.... | 313 |
| NTDB id 229 SPD RS09895 WP 000249564.1      | GVYERLLELGVSEEEELAVVLQGVQYQRLIGGGGIVDFASRDYQEHQAACKWNEQIDQLLLKDGHITSLSQAETEKISYS.... | 313 |
| NTDB id 195 SPR RS09430 WP 000249564.1      | GVYERLLELGVSEEEELAVVLQGVQYQRLIGGGGIVDFASRDYQEHQAACKWNEQIDQLLLKDGHITSLSQAETEKISYS.... | 313 |
| NTDB id 160 SP RS10380 WP 000249564.1       | GVYERLLELGVSEEEELAVVLQGVQYQRLIGGGGIVDFASRDYQEHQAACKWNEQIDQLLLKDGHITSLSQAETEKISYS.... | 313 |
| NTDB id 500 SM12261 RS00945 WP 000249545.1  | GVYERLLELGVSEEEELAVVLQGVQYQRLIGGGGIVDFANKDYQEHQSTSWNAQIDQLLLKDGHITSLSQAETEKISYS....  | 313 |
| consensus                                   | !!**!*!!!!!!*!*!!!!**!******!!**!*!!!!*!*****!*!*!                                   |     |

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|---------------------------------------------|------------|-----|
| NTDB id 316737 D6869 RS11955 WP 011836048.1 | IDTTDGESFE | 326 |
| NTDB id 586 KW2 RS10855 WP 011836048.1      | IDTTDGESFE | 326 |
| NTDB id 584 DLJ51 RS00890 WP 019777327.1    | .....      | 315 |
| NTDB id 385 SMU RS09035 WP 002263435.1      | .....      | 313 |
| NTDB id 394 FSA28 RS09405 WP 002291652.1    | .....      | 313 |
| NTDB id 429 SGO RS09420 WP 012130942.1      | SY.....    | 319 |
| NTDB id 270 KZH43 RS09265 WP 000249564.1    | .....      | 313 |
| NTDB id 229 SPD RS09895 WP 000249564.1      | .....      | 313 |
| NTDB id 195 SPR RS09430 WP 000249564.1      | .....      | 313 |
| NTDB id 160 SP RS10380 WP 000249564.1       | .....      | 313 |
| NTDB id 500 SM12261 RS00945 WP 000249545.1  | .....      | 313 |
| consensus                                   |            |     |

- non conserved
- similar
- ≥ 50% conserved