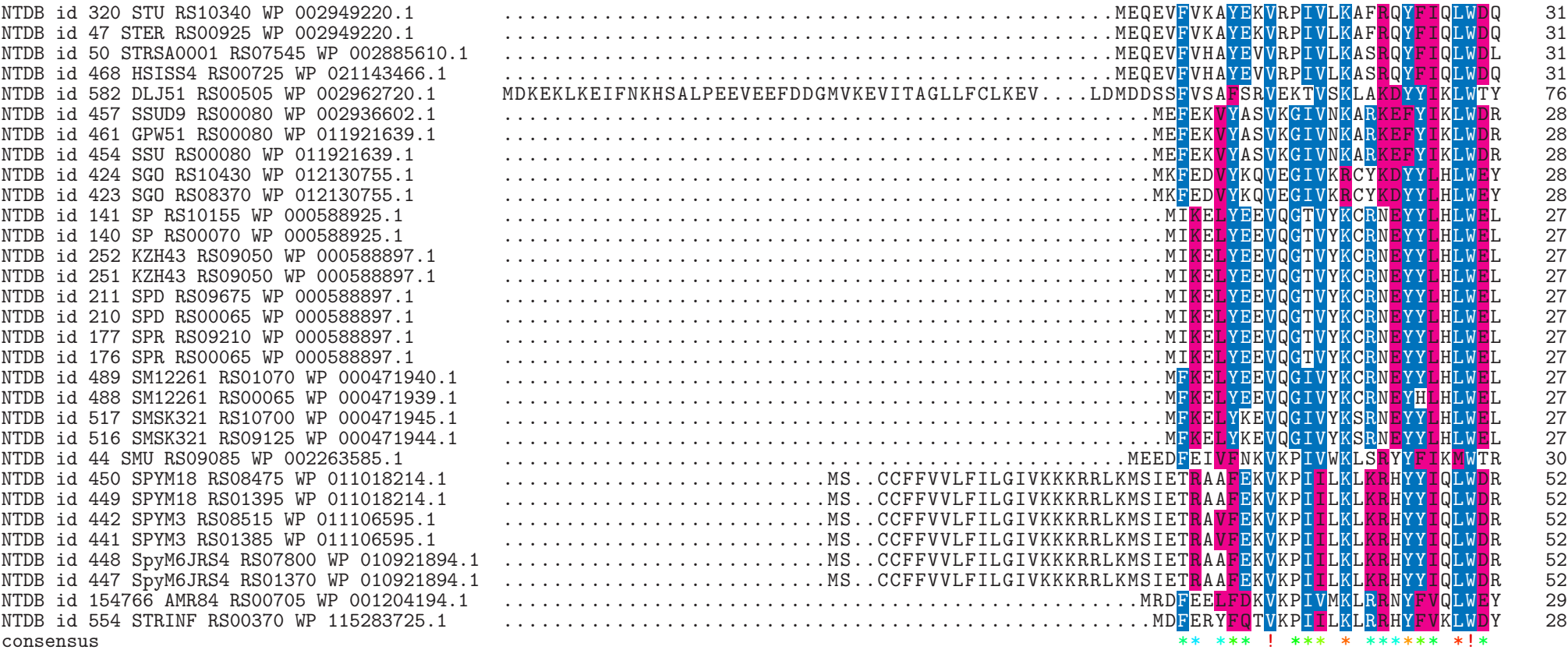


logo



NTDB id 320 STU RS10340 WP 002949220.1  
NTDB id 47 STER RS00925 WP 002949220.1  
NTDB id 50 STRSA0001 RS07545 WP 002885610.1  
NTDB id 468 HSISS4 RS00725 WP 021143466.1  
NTDB id 582 DLJ51 RS00505 WP 002962720.1  
NTDB id 457 SSUD9 RS00080 WP 002936602.1  
NTDB id 461 GPW51 RS00080 WP 011921639.1  
NTDB id 454 SSU RS00080 WP 011921639.1  
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NTDB id 423 SGO RS08370 WP 012130755.1  
NTDB id 141 SP RS10155 WP 000588925.1  
NTDB id 140 SP RS00070 WP 000588925.1  
NTDB id 252 KZH43 RS09050 WP 000588897.1  
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NTDB id 211 SPD RS09675 WP 000588897.1  
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NTDB id 489 SM12261 RS01070 WP 000471940.1  
NTDB id 488 SM12261 RS00065 WP 000471939.1  
NTDB id 517 SMSK321 RS10700 WP 000471945.1  
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NTDB id 44 SMU RS09085 WP 002263585.1  
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NTDB id 442 SPYM3 RS08515 WP 011106595.1  
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NTDB id 154766 AMR84 RS00705 WP 001204194.1  
NTDB id 554 STRINF RS00370 WP 115283725.1  
consensus

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |     |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----|
| <b>D</b> | <b>M</b> | <b>E</b> | <b>Q</b> | <b>E</b> | <b>M</b> | <b>L</b> | <b>C</b> | <b>H</b> | <b>E</b> | <b>L</b> | <b>R</b> | <b>E</b> | <b>P</b> | <b>E</b> | <b>Y</b> | <b>D</b> | <b>I</b> | <b>P</b> | <b>R</b> | <b>R</b> | <b>V</b> | <b>F</b> | <b>K</b> | <b>T</b> | <b>K</b> | <b>F</b> | <b>N</b> | <b>R</b> | <b>L</b> | <b>D</b> | <b>R</b> | <b>K</b> | <b>S</b> | <b>O</b> | <b>K</b> | <b>P</b> | <b>R</b> | <b>E</b> | <b>D</b> | <b>K</b> | <b>E</b> | <b>P</b> | <b>E</b> | <b>E</b> | <b>E</b> | <b>G</b> | <b>J</b> | <b>S</b> | <b>H</b> | <b>R</b> | <b>P</b> | <b>S</b> | <b>G</b> | <b>L</b> | <b>W</b> | <b>L</b> | <b>D</b> | <b>D</b> | <b>Y</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |     |
| A        | D        | M        | E        | Q        | E        | A        | M        | M        | T        | L        | Y        | Q        | L        | L        | K        | K        | F        | P        | D        | L        | E        | K        | D        | D        | D        | K        | L        | R        | R        | Y        | F        | K        | T        | K        | F        | N        | R        | L        | N        | D        | E        | V        | R        | R        | Q        | E        | S        | V        | K        | R        | Q        | A        | N        | R        | Q        | C        | Y        | V        | E        | I | S | D | I | A | F | C | I | P | N | K | E | . | L | D | M | V | D | R |  | 110 |
| A        | D        | M        | E        | Q        | E        | A        | M        | M        | T        | L        | Y        | Q        | L        | L        | K        | K        | F        | P        | D        | L        | E        | K        | D        | D        | D        | K        | L        | R        | R        | Y        | F        | K        | T        | K        | F        | N        | R        | L        | N        | D        | E        | V        | R        | R        | Q        | E        | S        | V        | K        | R        | Q        | A        | N        | R        | Q        | C        | Y        | V        | E        | I | S | D | I | A | F | C | I | P | N | K | E | . | L | D | M | V | D | R |  | 110 |
| A        | D        | M        | E        | Q        | E        | A        | M        | M        | T        | L        | Y        | Q        | L        | L        | K        | K        | F        | P        | D        | L        | E        | K        | D        | D        | D        | K        | L        | R        | R        | Y        | F        | K        | T        | K        | F        | N        | R        | L        | N        | D        | E        | V        | R        | R        | Q        | E        | S        | V        | K        | R        | Q        | A        | N        | R        | Q        | C        | Y        | V        | E        | I | S | D | I | A | F | C | I | P | N | K | E | . | L | D | A | V | D | R |  | 110 |
| A        | D        | M        | E        | Q        | E        | A        | M        | M        | T        | L        | Y        | Q        | L        | L        | K        | K        | F        | P        | D        | L        | E        | K        | D        | D        | D        | K        | L        | R        | R        | Y        | F        | K        | T        | K        | F        | N        | R        | L        | N        | D        | E        | V        | R        | R        | Q        | E        | S        | V        | K        | R        | Q        | A        | N        | R        | Q        | C        | Y        | V        | E        | I | S | D | I | A | F | C | I | P | N | K | E | . | L | D | A | V | D | R |  | 110 |
| D        | D        | W        | R        | Q        | E        | A        | R        | I        | I        | L        | Y        | Q        | L        | L        | R        | F        | P        | D        | L        | A        | N        | D        | E        | E        | K        | L        | R        | I        | Y        | F        | K        | T        | K        | F        | R        | S        | Y        | V        | L        | D        | N        | I        | R        | K        | Q        | E        | S        | Q        | K        | R        | A        | F        | D        | R        | M        | I        | Y        | E        | E        | T | S | E | L | G | H | M | I | P | S | Q | Q | . | M | D | T | A | D | Y |  | 155 |
| D        | D        | W        | E        | Q        | E        | G        | M        | M        | T        | L        | F        | E        | L        | L        | E        | A        | Q        | P        | W        | L        | V        | D        | E        | Q        | V        | Q        | L        | Y        | C        | Y        | F        | K        | V        | K        | F        | N        | R        | I        | K        | D        | R        | I        | R        | K        | Q        | E        | S        | Q        | K        | R        | K        | F        | D        | R        | M        | P        | H        | E        | D        | I | H | E | L | S | H | A | I | Q | S | P | G | . | L | I | N | D | E | L |  | 107 |
| D        | D        | W        | E        | Q        | E        | G        | M        | M        | T        | L        | F        | E        | L        | L        | E        | A        | Q        | P        | W        | L        | V        | D        | E        | Q        | V        | Q        | L        | Y        | C        | Y        | F        | K        | V        | K        | F        | N        | R        | I        | K        | D        | R        | I        | R        | K        | Q        | E        | S        | Q        | K        | R        | K        | F        | D        | R        | M        | P        | H        | E        | D        | I | H | E | L | S | H | A | I | Q | S | P | G | . | L | I | N | D | E | L |  | 107 |
| D        | D        | W        | E        | Q        | E        | G        | M        | M        | T        | L        | F        | E        | L        | L        | E        | A        | Q        | P        | W        | L        | V        | D        | E        | Q        | V        | Q        | L        | Y        | C        | Y        | F        | K        | V        | K        | F        | N        | R        | I        | K        | D        | R        | I        | R        | K        | Q        | E        | S        | Q        | K        | R        | K        | F        | D        | R        | M        | P        | H        | E        | D        | I | H | E | L | S | H | A | I | Q | S | P | G | . | L | I | N | D | E | L |  | 107 |
| A        | D        | W        | R        | Q        | E        | G        | M        | L        | V        | L        | Y        | E        | L        | L        | K        | S        | H        | P        | N        | L        | E        | D        | Q        | P        | R        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |     |

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NTDB id 554 STRINF RS00370 WP 115283725.1  
consensus



|   |                |
|---|----------------|
| X | non conserved  |
| X | similar        |
| X | >50% conserved |