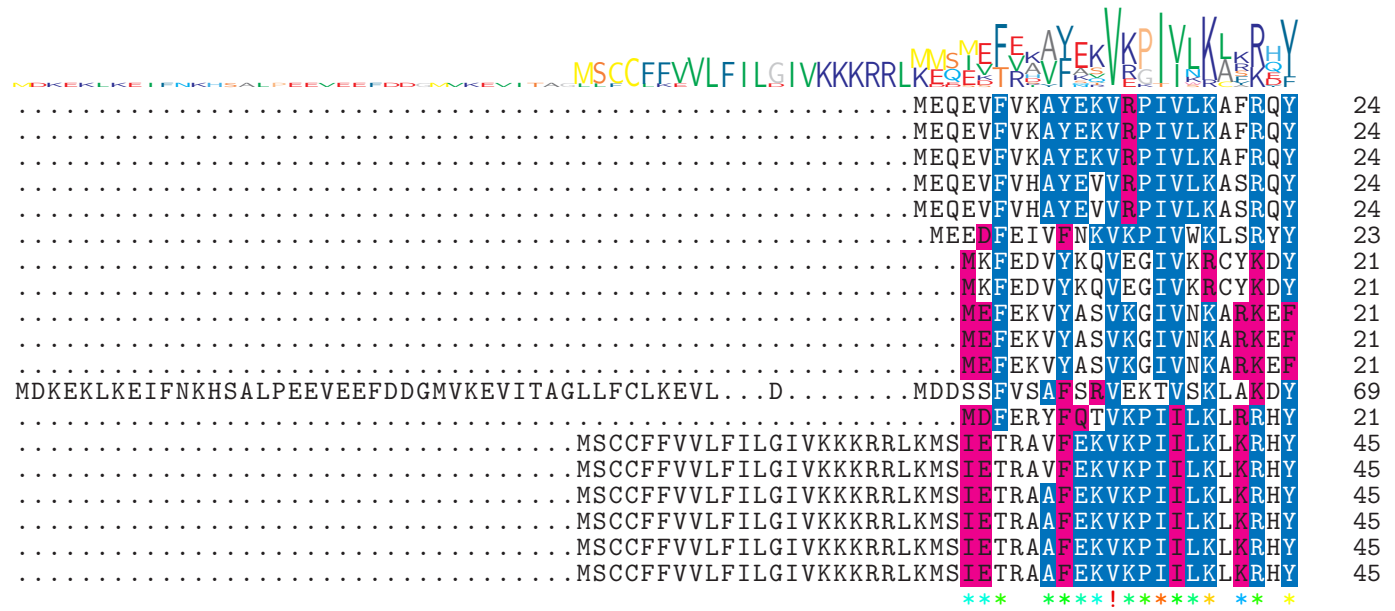


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NTDB id 48970 STH8232 RS01015 WP 002949220.1
NTDB id 320 STU RS10340 WP 002949220.1
NTDB id 47 STER RS00925 WP 002949220.1
NTDB id 468 HSISS4 RS00725 WP 021143466.1
NTDB id 50 STRSA0001 RS07545 WP 002885610.1
NTDB id 44 SMU RS09085 WP 002263585.1
NTDB id 424 SGO RS10430 WP 012130755.1
NTDB id 423 SGO RS08370 WP 012130755.1
NTDB id 457 SSUD9 RS00080 WP 002936602.1
NTDB id 461 GPW51 RS00080 WP 011921639.1
NTDB id 454 SSU RS00080 WP 011921639.1
NTDB id 582 DLJ51 RS00505 WP 002962720.1
NTDB id 554 STRINF RS00370 WP 115283725.1
NTDB id 442 SPYM3 RS08515 WP 011106595.1
NTDB id 441 SPYM3 RS01385 WP 011106595.1
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1
NTDB id 450 SPYM18 RS08475 WP 011018214.1
NTDB id 449 SPYM18 RS01395 WP 011018214.1
consensus

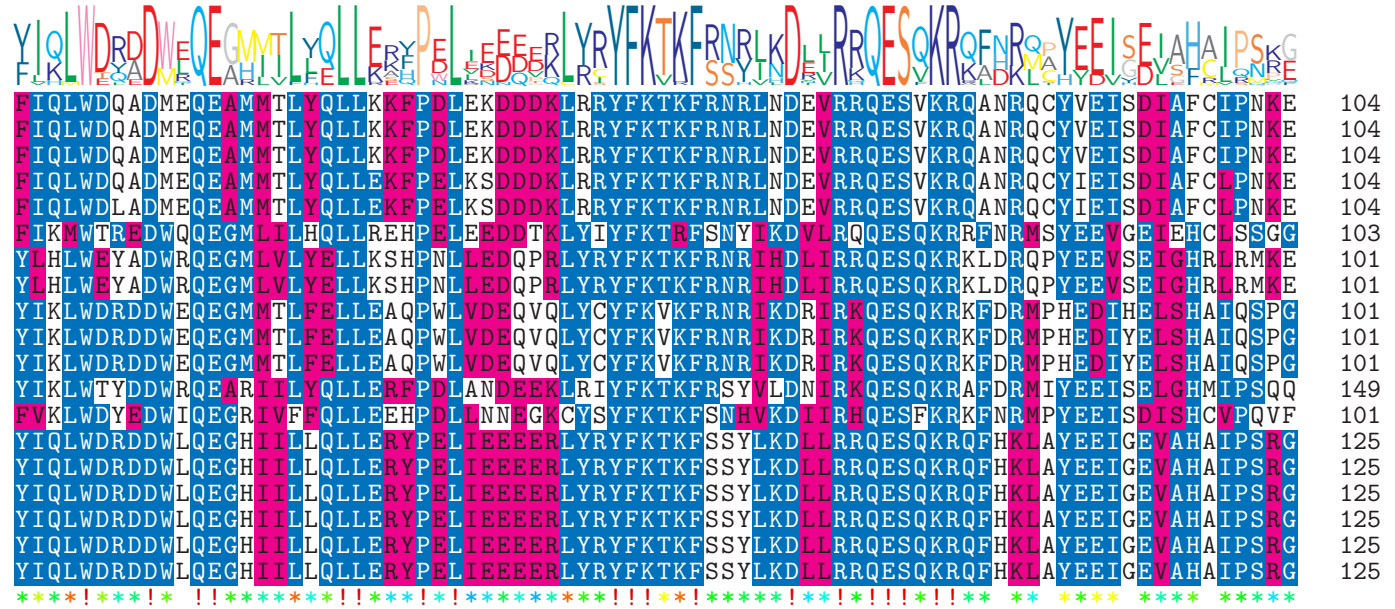
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NTDB id 48970 STH8232 RS01015 WP 002949220.1
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NTDB id 468 HSIS54 RS00725 WP 021143466.1
NTDB id 50 STRSA0001 RS07545 WP 002885610.1
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NTDB id 457 SSUD9 RS00080 WP 002936602.1
NTDB id 461 GPW51 RS00080 WP 011921639.1
NTDB id 454 SSU RS00080 WP 011921639.1
NTDB id 582 DLJ51 RS00505 WP 002962720.1
NTDB id 554 STRINF RS00370 WP 115283725.1
NTDB id 442 SPYM3 RS08515 WP 011106595.1
NTDB id 441 SPYM3 RS01385 WP 011106595.1
NTDB id 448 SpyM6JRS4 RS07800 WP 010921894.1
NTDB id 447 SpyM6JRS4 RS01370 WP 010921894.1
NTDB id 450 SPYM18 RS08475 WP 011018214.1
NTDB id 449 SPYM18 RS01395 WP 011018214.1
consensus

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logo

|               |           |         |                |     |                                                                        |     |
|---------------|-----------|---------|----------------|-----|------------------------------------------------------------------------|-----|
| NTDB id 48970 | STH8232   | RS01015 | WP 002949220.1 | LD. | MVDRLAYDEQLNAFREQLSSEDSIKLDRLLGGECFRGRKKMIRELRFWMVDFDPCNEED            | 165 |
| NTDB id 320   | STU       | RS10340 | WP 002949220.1 | LD. | MVDRLAYDEQLNAFREQLSSEDSIKLDRLLGGECFRGRKKMIRELRFWMVDFDPCNEED            | 165 |
| NTDB id 47    | STER      | RS00925 | WP 002949220.1 | LD. | MVDRLAYDEQLNAFREQLSSEDSIKLDRLLGGECFRGRKKMIRELRFWMVDFDPCNEED            | 165 |
| NTDB id 468   | HSISS4    | RS00725 | WP 021143466.1 | LD. | AVDRLVYDEQLNAFRNQLSSEDATKLDRLLAGECFRGRKKMIRELKFWMVDFDPYNEDD            | 165 |
| NTDB id 50    | STRSA0001 | RS07545 | WP 002885610.1 | LD. | AVDRLVYDEQLNAFRNQLSSEDATKLDRLLAGECFRGRKKMIRELKFWMVDFDPYNEDD            | 165 |
| NTDB id 44    | SMU       | RS09085 | WP 002263585.1 | MQ. | LDEYILFRDLSLAYKQGLSTEKQELFERLVAGEHFLGRQSMKDLRKKLSDFKEK....             | 160 |
| NTDB id 424   | SGO       | RS10430 | WP 012130755.1 | LY. | LDELVAFRSAMSEYRSRLSPEEAKQYERLMADERFKGRKAMKDL SYHLRDFNPRLD..            | 160 |
| NTDB id 423   | SGO       | RS08370 | WP 012130755.1 | LY. | LDELVAFRSAMSEYRSRLSPEEAKQYERLMADERFKGRKAMKDL SYHLRDFNPRLD..            | 160 |
| NTDB id 457   | SSUD9     | RS00080 | WP 002936602.1 | LI. | NDELLMLRGALRDYRKNSNDQLDKYEKLISGCFNGRREMIRD LQIHLKDFR.....              | 156 |
| NTDB id 461   | GPW51     | RS00080 | WP 011921639.1 | LI. | NDELLMLRGALRDYRKNSNDQLDKYEKLISGCFNGRREMIRD LQIHLKDFR.....              | 156 |
| NTDB id 454   | SSU       | RS00080 | WP 011921639.1 | LI. | NDELLMLRGALRDYRKNSNDQLDKYEKLISGCFNGRREMIRD LQIHLKDFR.....              | 156 |
| NTDB id 582   | DLJ51     | RS00505 | WP 002962720.1 | MD. | TADYCALKEKLEKELKQKLAPEDYAKILLLMRCGAFKGRSAFIKDIKVEFEDFDEDN...           | 207 |
| NTDB id 554   | STRINF    | RS00370 | WP 115283725.1 | FFE | VEDYVAYQDSLACLRTLGREDRLKLEKVI RGERFECKKAFLKSTEL YFSDFRP.....           | 158 |
| NTDB id 442   | SPYM3     | RS08515 | WP 011106595.1 | LW. | LDDYVAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...            | 183 |
| NTDB id 441   | SPYM3     | RS01385 | WP 011106595.1 | LW. | LDDYVAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...            | 183 |
| NTDB id 448   | SpyM6JRS4 | RS07800 | WP 010921894.1 | LW. | LDDYVAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...            | 183 |
| NTDB id 447   | SpyM6JRS4 | RS01370 | WP 010921894.1 | LW. | LDDYVAYQEVIASLENQLNSQERMQFQALIRGERFKGRRALLRKISPYFKEFAQQL...            | 183 |
| NTDB id 450   | SPYM18    | RS08475 | WP 011018214.1 | LW. | LDDYVAYQEVIASLENQLNSQERMQFKALIRGERFKGRRALLRKISPYFKEFAQQL...            | 183 |
| NTDB id 449   | SPYM18    | RS01395 | WP 011018214.1 | LW. | LDDYVAYQEVIASLENQLNSQERMQFKALIRGERFKGRRALLRKISPYFKEFAQQL...            | 183 |
| consensus     |           |         |                |     | * ** * * * * ! * * * * * * * * * * * * ! * ! * * * * * * * * * * * * ! |     |

- non conserved
- similar
- ≥ 50% conserved