

```

NTDB id 602 KW2 RS03060 WP 011834647.1
NTDB id 611 V4T04 RS07970 WP 003129593.1
NTDB id 282 KZH43 RS03215 WP 000613477.1
NTDB id 246 SPD RS03495 WP 000613477.1
NTDB id 244 SPR RS03300 WP 000613477.1
NTDB id 242 SP RS03655 WP 000613477.1
NTDB id 330 STU RS11365 WP 002949732.1
NTDB id 298 STER RS01925 WP 002949732.1
NTDB id 400541 GJS33 RS08100 WP 012677455.1
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1
NTDB id 445 SPYM3 RS01720 WP 002985850.1
NTDB id 376 SMU RS07595 WP 255262720.1
NTDB id 1223 Cj0192c YP 002343650.1
NTDB id 86 BSU 34540 NP 391334.1
consensus

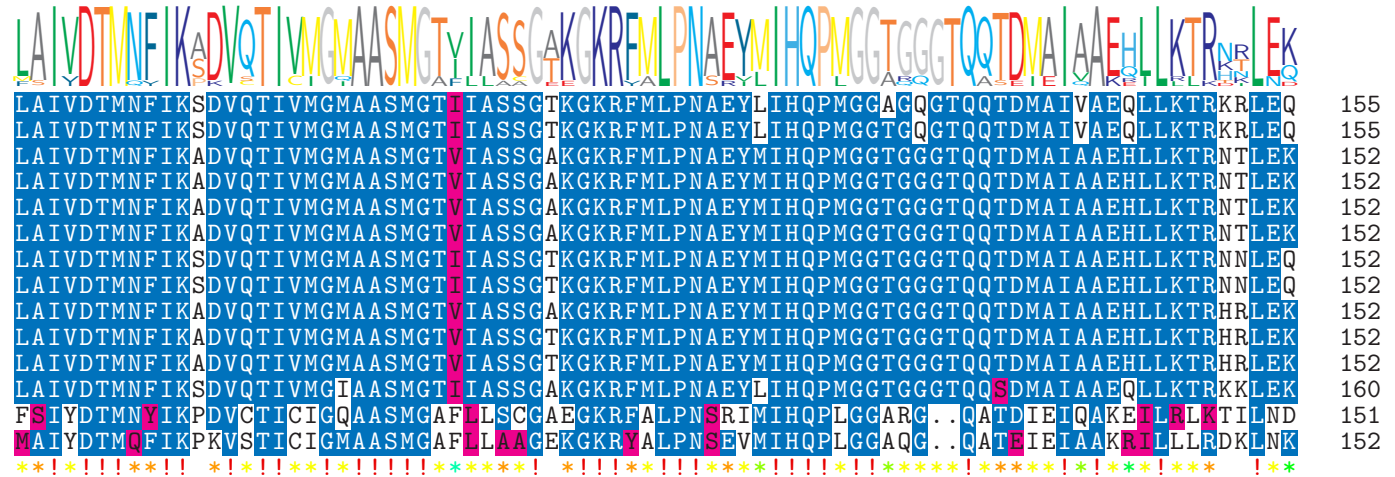
```



```

NTDB id 602 KW2 RS03060 WP 011834647.1
NTDB id 611 V4T04 RS07970 WP 003129593.1
NTDB id 282 KZH43 RS03215 WP 000613477.1
NTDB id 246 SPD RS03495 WP 000613477.1
NTDB id 244 SPR RS03300 WP 000613477.1
NTDB id 242 SP RS03655 WP 000613477.1
NTDB id 330 STU RS11365 WP 002949732.1
NTDB id 298 STER RS01925 WP 002949732.1
NTDB id 400541 GJS33 RS08100 WP 012677455.1
NTDB id 446 SpyM6JRS4 RS01695 WP 002985850.1
NTDB id 445 SPYM3 RS01720 WP 002985850.1
NTDB id 376 SMU RS07595 WP 255262720.1
NTDB id 1223 Cj0192c YP 002343650.1
NTDB id 86 BSU 34540 NP 391334.1
consensus

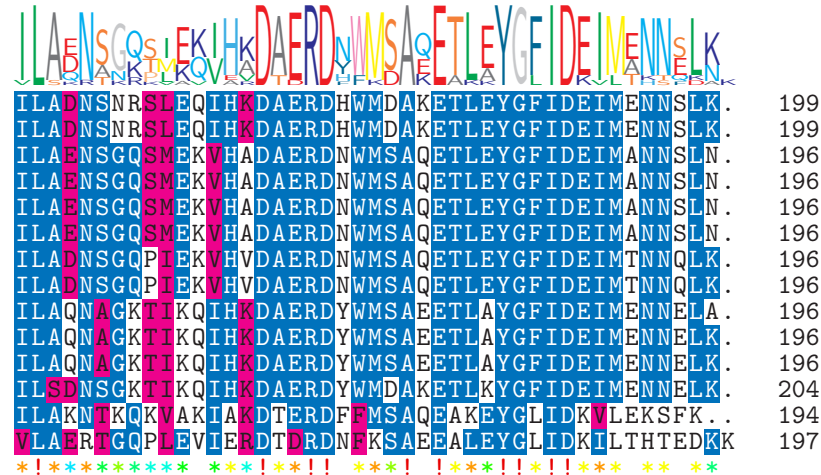
```



```

NTDB id 602 KW2 RS03060 WP 011834647.1
NTDB id 611 V4T04 RS07970 WP 003129593.1
NTDB id 282 KZH43 RS03215 WP 000613477.1
NTDB id 246 SPD RS03495 WP 000613477.1
NTDB id 244 SPR RS03300 WP 000613477.1
NTDB id 242 SP RS03655 WP 000613477.1
NTDB id 330 STU RS11365 WP 002949732.1
NTDB id 298 STER RS01925 WP 002949732.1
NTDB id 400541 GJS33 RS08100 WP 012677455.1
NTDB id 446 SpYm6JRS4 RS01695 WP 002985850.1
NTDB id 445 SPYm3 RS01720 WP 002985850.1
NTDB id 376 SMU RS07595 WP 255262720.1
NTDB id 1223 Cj0192c YP 002343650.1
NTDB id 86 BSU 34540 NP 391334.1
consensus

```



 non conserved
 similar
 $\geq 50\%$ conserved