

```

NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 111620 HAS68 RS09740 WP 009910884.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
consensus

```



```
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 111620 HAS68 RS09740 WP 009910884.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
consensus
```



```
NTDB id 85 BSU 00860 NP 387967.1
NTDB id 610 V4T04 RS10165 WP 012897346.1
NTDB id 377 SMU RS09275 WP 002262344.1
NTDB id 297 STER RS00545 WP 011680614.1
NTDB id 329 STU RS10020 WP 011225298.1
NTDB id 111620 HAS68 RS09740 WP 009910884.1
NTDB id 287 SP RS11210 WP 001109712.1
NTDB id 290 KZH43 RS10025 WP 001109677.1
NTDB id 289 SPD RS10700 WP 001109677.1
consensus
```



NTDB id 85 BSU 00860 NP 387967.1  
NTDB id 610 V4T04 RS10165 WP 012897346.1  
NTDB id 377 SMU RS09275 WP 002262344.1  
NTDB id 297 STER RS00545 WP 011680614.1  
NTDB id 329 STU RS10020 WP 011225298.1  
NTDB id 111620 HAS68 RS09740 WP 009910884.1  
NTDB id 287 SP RS11210 WP 001109712.1  
NTDB id 290 KZH43 RS10025 WP 001109677.1  
NTDB id 289 SPD RS10700 WP 001109677.1  
consensus



logo

NTDB id 85 BSU 00860 NP 387967.1  
NTDB id 610 V4T04 RS10165 WP 012897346.1  
NTDB id 377 SMU RS09275 WP 002262344.1  
NTDB id 297 STER RS00545 WP 011680614.1  
NTDB id 329 STU RS10020 WP 011225298.1  
NTDB id 111620 HAS68 RS09740 WP 009910884.1  
NTDB id 287 SP RS11210 WP 001109712.1  
NTDB id 290 KZH43 RS10025 WP 001109677.1  
NTDB id 289 SPD RS10700 WP 001109677.1  
consensus



361  
375  
392  
395  
395  
390  
388  
388  
388

logo

NTDB id 85 BSU 00860 NP 387967.1  
NTDB id 610 V4T04 RS10165 WP 012897346.1  
NTDB id 377 SMU RS09275 WP 002262344.1  
NTDB id 297 STER RS00545 WP 011680614.1  
NTDB id 329 STU RS10020 WP 011225298.1  
NTDB id 111620 HAS68 RS09740 WP 009910884.1  
NTDB id 287 SP RS11210 WP 001109712.1  
NTDB id 290 KZH43 RS10025 WP 001109677.1  
NTDB id 289 SPD RS10700 WP 001109677.1  
consensus



441  
455  
462  
465  
465  
461  
460  
460  
460

logo

NTDB id 85 BSU 00860 NP 387967.1  
NTDB id 610 V4T04 RS10165 WP 012897346.1  
NTDB id 377 SMU RS09275 WP 002262344.1  
NTDB id 297 STER RS00545 WP 011680614.1  
NTDB id 329 STU RS10020 WP 011225298.1  
NTDB id 111620 HAS68 RS09740 WP 009910884.1  
NTDB id 287 SP RS11210 WP 001109712.1  
NTDB id 290 KZH43 RS10025 WP 001109677.1  
NTDB id 289 SPD RS10700 WP 001109677.1  
consensus



521  
530  
528  
531  
531  
530  
525  
525  
525

logo

NTDB id 85 BSU 00860 NP 387967.1  
NTDB id 610 V4T04 RS10165 WP 012897346.1  
NTDB id 377 SMU RS09275 WP 002262344.1  
NTDB id 297 STER RS00545 WP 011680614.1  
NTDB id 329 STU RS10020 WP 011225298.1  
NTDB id 111620 HAS68 RS09740 WP 009910884.1  
NTDB id 287 SP RS11210 WP 001109712.1  
NTDB id 290 KZH43 RS10025 WP 001109677.1  
NTDB id 289 SPD RS10700 WP 001109677.1  
consensus



601  
610  
608  
611  
611  
610  
605  
605  
605

logo

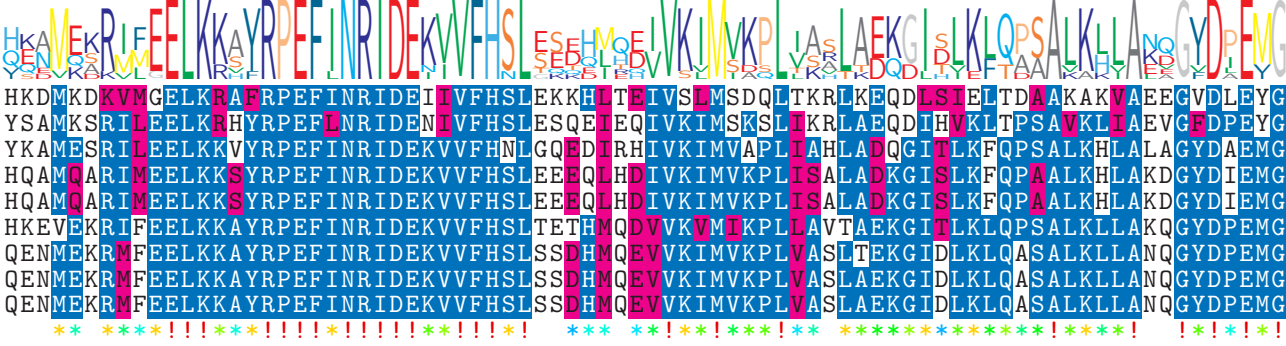
NTDB id 85 BSU 00860 NP 387967.1  
NTDB id 610 V4T04 RS10165 WP 012897346.1  
NTDB id 377 SMU RS09275 WP 002262344.1  
NTDB id 297 STER RS00545 WP 011680614.1  
NTDB id 329 STU RS10020 WP 011225298.1  
NTDB id 111620 HAS68 RS09740 WP 009910884.1  
NTDB id 287 SP RS11210 WP 001109712.1  
NTDB id 290 KZH43 RS10025 WP 001109677.1  
NTDB id 289 SPD RS10700 WP 001109677.1  
consensus



681  
690  
688  
691  
691  
690  
685  
685  
685

logo

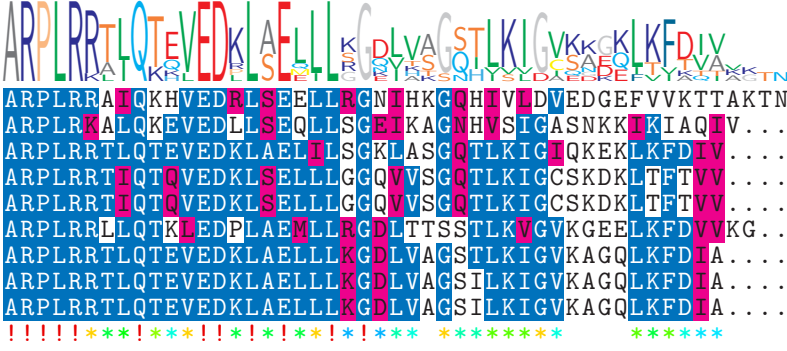
NTDB id 85 BSU 00860 NP 387967.1  
NTDB id 610 V4T04 RS10165 WP 012897346.1  
NTDB id 377 SMU RS09275 WP 002262344.1  
NTDB id 297 STER RS00545 WP 011680614.1  
NTDB id 329 STU RS10020 WP 011225298.1  
NTDB id 111620 HAS68 RS09740 WP 009910884.1  
NTDB id 287 SP RS11210 WP 001109712.1  
NTDB id 290 KZH43 RS10025 WP 001109677.1  
NTDB id 289 SPD RS10700 WP 001109677.1  
consensus



761  
770  
768  
771  
771  
770  
765  
765  
765

logo

NTDB id 85 BSU 00860 NP 387967.1  
NTDB id 610 V4T04 RS10165 WP 012897346.1  
NTDB id 377 SMU RS09275 WP 002262344.1  
NTDB id 297 STER RS00545 WP 011680614.1  
NTDB id 329 STU RS10020 WP 011225298.1  
NTDB id 111620 HAS68 RS09740 WP 009910884.1  
NTDB id 287 SP RS11210 WP 001109712.1  
NTDB id 290 KZH43 RS10025 WP 001109677.1  
NTDB id 289 SPD RS10700 WP 001109677.1  
consensus



810  
816  
813  
816  
816  
817  
810  
810  
810

X non conserved  
X similar  
X ≥ 50% conserved