

logo

NTDB id 146 SP RS08570 WP 000614538.1
NTDB id 216 SPD RS08205 WP 000614552.1
NTDB id 182 SPR RS07820 WP 000614552.1
NTDB id 257 KZH43 RS07655 WP 220041236.1
NTDB id 467 HSISS4 RS06915 WP 021143821.1
NTDB id 994642 AAFU62 RS02580 WP 012560855.1
NTDB id 384 SMU RS02325 WP 002263039.1
consensus



80
80
80
80
80
80
80

logo

NTDB id 146 SP RS08570 WP 000614538.1
NTDB id 216 SPD RS08205 WP 000614552.1
NTDB id 182 SPR RS07820 WP 000614552.1
NTDB id 257 KZH43 RS07655 WP 220041236.1
NTDB id 467 HSISS4 RS06915 WP 021143821.1
NTDB id 994642 AAFU62 RS02580 WP 012560855.1
NTDB id 384 SMU RS02325 WP 002263039.1
consensus



160
160
160
160
160
160
160

logo

NTDB id 146 SP RS08570 WP 000614538.1
NTDB id 216 SPD RS08205 WP 000614552.1
NTDB id 182 SPR RS07820 WP 000614552.1
NTDB id 257 KZH43 RS07655 WP 220041236.1
NTDB id 467 HSISS4 RS06915 WP 021143821.1
NTDB id 994642 AAFU62 RS02580 WP 012560855.1
NTDB id 384 SMU RS02325 WP 002263039.1
consensus



240
240
240
240
240
240
240

logo

NTDB id 146 SP RS08570 WP 000614538.1
NTDB id 216 SPD RS08205 WP 000614552.1
NTDB id 182 SPR RS07820 WP 000614552.1
NTDB id 257 KZH43 RS07655 WP 220041236.1
NTDB id 467 HSISS4 RS06915 WP 021143821.1
NTDB id 994642 AAFU62 RS02580 WP 012560855.1
NTDB id 384 SMU RS02325 WP 002263039.1
consensus



317
317
317
317
317
318
317

```
NTDB id 146 SP RS08570 WP 000614538.1
NTDB id 216 SPD RS08205 WP 000614552.1
NTDB id 182 SPR RS07820 WP 000614552.1
NTDB id 257 KZH43 RS07655 WP 220041236.1
NTDB id 467 HSIS4 RS06915 WP 021143821.1
NTDB id 994642 AAFU62 RS02580 WP 012560855.1
NTDB id 384 SMU RS02325 WP 002263039.1
consensus
```

```
NTDB id 146 SP RS08570 WP 000614538.1
NTDB id 216 SPD RS08205 WP 000614552.1
NTDB id 182 SPR RS07820 WP 000614552.1
NTDB id 257 KZH43 RS07655 WP 220041236.1
NTDB id 467 HSIS4 RS06915 WP 021143821.1
NTDB id 994642 AAFU62 RS02580 WP 012560855.1
NTDB id 384 SMU RS02325 WP 002263039.1
consensus
```

NTDB id 146 SP RS08570 WP 000614538.1
NTDB id 216 SPD RS08205 WP 000614552.1
NTDB id 182 SPR RS07820 WP 000614552.1
NTDB id 257 KZH43 RS07655 WP 220041236.1
NTDB id 467 HSISS4 RS06915 WP 021143821.1
NTDB id 994642 AAFU62 RS02580 WP 012560855.1
NTDB id 384 SMU RS02325 WP 002263039.1
consensus

```

NTDB id 146 SP RS08570 WP 000614538.1
NTDB id 216 SPD RS08205 WP 000614552.1
NTDB id 182 SPR RS07820 WP 000614552.1
NTDB id 257 KZH43 RS07655 WP 220041236.1
NTDB id 467 HSIS54 RS06915 WP 021143821.1
NTDB id 994642 AAFU62 RS02580 WP 012560855.1
NTDB id 384 SMU RS02325 WP 002263039.1
consensus

```

logo

NTDB id 146 SP RS08570 WP 000614538.1
NTDB id 216 SPD RS08205 WP 000614552.1
NTDB id 182 SPR RS07820 WP 000614552.1
NTDB id 257 KZH43 RS07655 WP 220041236.1
NTDB id 467 HSISS4 RS06915 WP 021143821.1
NTDB id 994642 AAFU62 RS02580 WP 012560855.1
NTDB id 384 SMU RS02325 WP 002263039.1
consensus



659
659
659
659
624
632
616

- X non conserved
- X similar
- X $\geq 50\%$ conserved