

Supplementary Table S1. Heatmap showing the distribution of predicted serotypes according to ST.

| ST | Predicted serotype | | | | | | | | | | | | Total |
|------|--------------------|----|----|-------|----|----|----|----|----|-----|-----|-----|-------|
| | O1 | O2 | O3 | O3 O6 | O4 | O5 | O6 | O7 | O9 | O10 | O11 | O12 | |
| 10 | 1 | | | | | | | | | | | | 1 |
| 111 | | | | | | | | | | | | 1 | 1 |
| 179 | | | | | | | 3 | | | | | | 3 |
| 183 | | | | | | 1 | | | | | | | 1 |
| 207 | 1 | | | | | | | | | | | | 1 |
| 234 | | | | | 1 | | | | | | | | 1 |
| 235 | | | | | | | | | | | 16 | | 16 |
| 238 | 1 | | | | | | | | | | | | 1 |
| 244 | | | | | | 1 | | | | | | | 1 |
| 252 | 3 | | | | | | | | | | | | 3 |
| 253 | | | | | | | | | | 1 | | | 1 |
| 261 | | | | | | | 1 | | | | | | 1 |
| 274 | | | 7 | | | | | | | | | | 7 |
| 277 | | 3 | | | | 1 | | | | | | | 4 |
| 282 | | | | | | | 1 | | | | | | 1 |
| 309 | | | | | | | | | | | 3 | | 3 |
| 313 | 3 | | | | | | | | | | | | 3 |
| 316 | | | | | | | | | | | 1 | | 1 |
| 381 | | 3 | | | | 1 | | | | | | | 4 |
| 385 | | | | | | | 1 | | | | | | 1 |
| 389 | | | | | 2 | | | | | | | | 2 |
| 446 | | | | | | | | | | | 5 | | 5 |
| 498 | 1 | | | | | | | | | | | | 1 |
| 554 | | | | | | 1 | | | | | | | 1 |
| 557 | | | | | | | | 3 | | | | | 3 |
| 591 | | | | | | 1 | | | | | | | 1 |
| 598 | | | | | | | | | 2 | | | | 2 |
| 633 | | | | | | | 1 | | | | | | 1 |
| 640 | | | | | | | | | | | 1 | | 1 |
| 644 | | | | | | | | | | | 1 | | 1 |
| 697 | | | | | | | | | | | 1 | | 1 |
| 709 | | | | | | 1 | | | | | | | 1 |
| 803 | | | 1 | | | | | | | | | | 1 |
| 875 | | | | | | | 2 | | | | | | 2 |
| 973 | | | | | | | | | | | 1 | | 1 |
| 1086 | | | | | | | | 1 | | | | | 1 |
| 1122 | | | | | | | | | | | 1 | | 1 |
| 1129 | | | | | | | 1 | | | | | | 1 |
| 1212 | | | | | | | | | | | 1 | | 1 |
| 1284 | | | | | | | | | | | 1 | | 1 |
| 1290 | | | | | | | | | 1 | | | | 1 |
| 1560 | | | | | 1 | | | | | | | | 1 |

| | | | | | | | | | | | | | | | |
|--------------------|------|-----|-----|-------|-----|-----|------|-----|-----|-----|------|-----|--|-------|---|
| 1600 | | | 1 | | | | | | | | | | | | 1 |
| 1717 | | | | | | | | 1 | | | | | | | 1 |
| 1748 | | | | | | | | 1 | | | | | | | 1 |
| 1966 | | | | | | | | 1 | | | | | | | 1 |
| 2234 | | | | | | | | 1 | | | | | | | 1 |
| 2238 | | | | | | | | 1 | | | | | | | 1 |
| 2317 | | | | | | | 2 | | | | | | | | 2 |
| 2375 | 1 | | | | | | | | | | | | | | 1 |
| 2475 | | 1 | | | | | | | | | | | | | 1 |
| 2524 | | | | | | | | | | | | 1 | | | 1 |
| 2629 | | | | | | | | | | | | 1 | | | 1 |
| 3142 | | | | | | 1 | | | | | | | | | 1 |
| 3214 | | | | | | | 1 | | | | | | | | 1 |
| 3267 | | | | | | | | 1 | | | | | | | 1 |
| 3494 | | | | | | | | | | | 1 | | | | 1 |
| 4022 | | | | | | | | | | | | 1 | | | 1 |
| 4072 | | | 1 | | | | | | | | | | | | 1 |
| Δ mutL | | | | 1 | | | | | | | | | | | 1 |
| 4083* | | | | | | | | | | | 1 | | | | 1 |
| 4084* | | | | | | | | 1 | | | | | | | 1 |
| 4085* | | | | | | | | | | | | 1 | | | 1 |
| 4086* | | | | | | | | | | | | 1 | | | 1 |
| 4087* | | | | | | | | | | | | 1 | | | 1 |
| 4088* | | | | | | | | | | 4 | | | | | 4 |
| 4089* | 1 | | | | | | | | | | | | | | 1 |
| 4090* | | 1 | | | | | | | | | | | | | 1 |
| 4113* | | | | | | | 1 | | | | | | | | 1 |
| 4114* | | | | | | | | | | | | 1 | | | 1 |
| 4115* | | | | | | | | | | | | 1 | | | 1 |
| Total | 12 | 8 | 10 | 1 | 5 | 11 | 17 | 4 | 7 | 3 | 40 | 1 | | 119 | |
| % | 10.1 | 6.7 | 8.4 | 0.8 | 4.2 | 9.2 | 14.3 | 3.4 | 5.9 | 2.5 | 33.6 | 0.8 | | 100 | |
| Predicted serotype | O1 | O2 | O3 | O3 O6 | O4 | O5 | O6 | O7 | O9 | O10 | O11 | O12 | | Total | |