

Supplemental Figure S2: Characteristics of the *S. pyogenes* collection

| region | source | total no. isolates | resistant (MIC > 4 mg/l) | | intermediate (MIC = 4 mg/l) | | susceptible (MIC < 4 mg/l) | |
|----------------|-----------------------|--------------------|--------------------------|-------|-----------------------------|-------|----------------------------|-------|
| | | | no. isolates | % | no. isolates | % | no. isolates | % |
| Northern India | invasive | 10 | 10 | 100.0 | 0 | 0.0 | 0 | 0.0 |
| | pharyngitis | 14 | 4 | 28.6 | 0 | 0.0 | 10 | 71.4 |
| | skin | 19 | 11 | 57.9 | 1 | 5.3 | 7 | 36.8 |
| | throat | 38 | 18 | 47.4 | 0 | 0.0 | 20 | 52.6 |
| | ND | 8 | 6 | 75.0 | 0 | 0.0 | 2 | 25.0 |
| | | 89 | 49 | 55.1 | 1 | 1.1 | 39 | 43.8 |
| Southern India | invasive | 29 | 5 | 17.2 | 0 | 0.0 | 24 | 82.8 |
| | pharyngitis | 10 | 1 | 10.0 | 0 | 0.0 | 9 | 90.0 |
| | skin | 22 | 2 | 9.1 | 0 | 0.0 | 20 | 90.9 |
| | throat | 21 | 1 | 4.8 | 0 | 0.0 | 20 | 95.2 |
| | ND | 97 | 11 | 11.3 | 3 | 3.1 | 83 | 85.6 |
| | | 179 | 20 | 11.2 | 3 | 1.7 | 156 | 87.2 |
| India | | 268 | 69 | 25.7 | 4 | 1.5 | 195 | 72.8 |
| Germany | erysipelas | 4 | 0 | 0.0 | 3 | 75.0 | 1 | 25.0 |
| | meningitis | 2 | 0 | 0.0 | 1 | 50.0 | 1 | 50.0 |
| | otitis media | 3 | 0 | 0.0 | 2 | 66.7 | 1 | 33.3 |
| | pharyngitis | 16 | 0 | 0.0 | 4 | 25.0 | 12 | 75.0 |
| | phlegmon | 2 | 1 | 50.0 | 0 | 0.0 | 1 | 50.0 |
| | pneumonie | 1 | 0 | 0.0 | 0 | 0.0 | 1 | 100.0 |
| | sepsis | 6 | 3 | 50.0 | 0 | 0.0 | 3 | 50.0 |
| | septic Arthritis | 1 | 0 | 0.0 | 1 | 100.0 | 0 | 0.0 |
| | soft tissue infection | 1 | 1 | 100.0 | 0 | 0.0 | 0 | 0.0 |
| | ND | 1 | 0 | 0.0 | 1 | 100.0 | 0 | 0.0 |
| | | 37 | 5 | 13.5 | 12 | 32.4 | 20 | 54.1 |

