**Table S9. Treponemal strains used in this study**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Species,**  **subspecies** | **Strain name** | **Source** | **Location** | **Year of isolation** |
| *Tp. pallidum* | Nicholsa | Cerebrospinal fluid | Washington DC | 1912 |
| Sea81-4b | Primary chancre | Seattle | 1980 |
| Bal3c | Blood, congenital | Baltimore | Unknown |
| MexicoAc | Primary chancre | Mexico | 1953 |
| Street14d | Skin | Atlanta | 1977 |
| Bal73-1c | Aqueous humor, congenital | Baltimore | 1973 |
| UW249Ce | Cerebrospinal fluid | Seattle | 2004 |
| *Tp. endemicum* | IraqBc | Oral mucous patches | Iraq | 1951 |
| *Tp. pertenue* | SamoaDc | Skin lesion | Western Samoa | 1953 |

a Originally provided by James N. Miller, University of California, Los Angeles, CA.

b Strain isolated in Seattle by Sheila A. Lukehart, University of Washington, Seattle, WA.

c Strains provided by Paul Hardy and Ellen Nell, Johns Hopkins University, Baltimore, MD.

d Provided by Sandra A. Larsen, Center for Disease Control and Prevention, Atlanta, GA.

e Provided by Christina Marra, University of Washington, Seattle, WA.