

Supplementary Material

Supplementary Table S1. Validation results for the DD treponeme PCR assays using the samples obtained in the pilot study.

| Pilot study samples | <i>Treponema</i> genus | Group 1 | Group 2 | Group 3 |
|---------------------|------------------------|---------|---------|---------|
| 1 | + | + | + | + |
| 2 | + | - | + | + |
| 3 | + | - | + | + |
| 4 | + | - | + | - |
| 5 | + | + | + | + |
| 6 | + | + | + | - |
| 7 | + | - | + | + |
| 8 | + | + | + | - |
| 9 | + | + | + | + |
| 10 | + | - | + | _* |
| 11 | + | + | + | - |
| 12 | - | - | - | - |

+ indicates a positive case or animal, - indicates a negative case or animal, Group 1- DD *Treponema medium* phylogroup, Group 2 – DD *Treponema phagedenis* phylogroup, Group 3 – DD *Treponema pedis* phylogroup. * - variation from the pilot study.