

## Supplementary Materials

**Table S1.** Inhibitory Isolates (62 isolates, 14 species, 2 genera).

ID	Sample Type	Pharyngeal Gonorrhoea Isolates	No of Isolates	Inhibitory to <i>N. Gonorrhoeae</i>	Inhibitory to <i>N. Meningitidis</i>	MALDI-TOF ID
7. M0	Baseline	Negative	3	Yes	Yes	<i>Streptococcus pyogenes</i>
8. M0	Baseline	Negative	2	Yes	Yes	<i>Streptococcus cristatus</i>
8. M0	Baseline	Negative	3	Yes	No	<i>Streptococcus oralis</i>
10. M0	Baseline	Negative	2	Yes	No	<i>Streptococcus parasanguinis</i>
12. M0	Baseline	Negative	1	Yes	No	<i>Streptococcus salivarius</i>
13. M0	Baseline	Negative	1	Yes	Yes	<i>Streptococcus mitis</i>
13. M0	Baseline	Negative	2	Yes	Yes	<i>Streptococcus parasanguinis</i>
13. M0	Baseline	Negative	3	Yes	Yes	<i>Streptococcus salivarius</i>
13. M0	Baseline	Negative	4	Yes	Yes	<i>Streptococcus mitis</i>
15. M0	Baseline	Negative	1	Yes	Yes	<i>Streptococcus dysgalactiae</i>
15. M0	Baseline	Negative	2	Yes	No	<i>Streptococcus dysgalactiae</i>
15. M0	Baseline	Negative	3	Yes	No	<i>Streptococcus parasanguinis</i>
44. M0	Baseline	Negative	2	Yes	No	<i>Streptococcus cristatus</i>
45. M0	Baseline	Negative	1	Yes	No	<i>Streptococcus cristatus</i>
51. M0	Baseline	Negative	1	Yes	Yes	<i>Streptococcus sanguinis</i>
51. M0	Baseline	Negative	3	No	Yes	<i>Streptococcus sanguinis</i>
51. M0	Baseline	Negative	4	Yes	Yes	<i>Streptococcus sanguinis</i>
51. M0	Baseline	Negative	5	No	Yes	<i>Streptococcus salivarius</i>
51. M0	Baseline	Negative	6	No	Yes	<i>Streptococcus sanguinis</i>
51. M0	Baseline	Negative	7	No	Yes	<i>Rothia mucilaginosa</i>
53. M0	Baseline	Negative	2	Yes	Yes	<i>Streptococcus oralis</i>
56. M0	Baseline	Negative	1	Yes	No	<i>Streptococcus mitis</i>
56. M0	Baseline	Negative	2	Yes	Yes	<i>Streptococcus mitis</i>
36. M3	Treatment	Negative	1	Yes	No	<i>Streptococcus parasanguinis</i>
36. M3	Treatment	Negative	2	Yes	No	<i>Streptococcus sanguinis</i>
36. M3	Treatment	Negative	3	No	Yes	<i>Streptococcus parasanguinis</i>
42. M3	Treatment	Negative	1	Yes	Yes	<i>Streptococcus sanguinis</i>
3. M3	Treatment	Negative	1	Yes	No	<i>Streptococcus vestibularis</i>
43. M3	Treatment	Negative	1	Yes	Yes	<i>Streptococcus peroris</i>
13. M3	Treatment	Negative	1	Yes	Yes	<i>Streptococcus parasanguinis</i>
13. M3	Treatment	Negative	2	Yes	Yes	<i>Streptococcus oralis</i>
16. M3	Treatment	Negative	1	Yes	Yes	<i>Streptococcus parasanguinis</i>
16. M3	Treatment	Negative	2	Yes	Yes	<i>Streptococcus mitis</i>
16. M3	Treatment	Negative	3	Yes	Yes	<i>Streptococcus vestibularis</i>

15. M3	Treatment	Negative	1	Yes	Yes	<i>Streptococcus parasanguinis</i>
15. M3	Treatment	Negative	2	Yes	Yes	<i>Streptococcus parasanguinis</i>
47. M3	Treatment	Negative	1	Yes	Yes	<i>Streptococcus gordonii</i>
47. M3	Treatment	Negative	4	Yes	Yes	<i>Streptococcus parasanguinis</i>
24. M3	Treatment	Negative	1	Yes	Yes	<i>Streptococcus oralis</i>
29. M3	Treatment	Positive	1	Yes	Yes	<i>Streptococcus parasanguinis</i>
29. M3	Treatment	Positive	2	Yes	Yes	<i>Streptococcus parasanguinis</i>
12. M6	Treatment	Negative	1	Yes	No	<i>Streptococcus cristatus</i>
23. M6	Treatment	Negative	1	Yes	No	<i>Streptococcus salivarius</i>
23. M6	Treatment	Negative	2	Yes	No	<i>Streptococcus oralis</i>
23. M6	Treatment	Negative	3	Yes	No	<i>Streptococcus sanguinis</i>
31. M6	Treatment	Negative	1	Yes	No	<i>Streptococcus sanguinis</i>
31. M6	Treatment	Negative	2	Yes	No	<i>Streptococcus sanguinis</i>
31. M6	Treatment	Negative	3	Yes	No	<i>Streptococcus sanguinis</i>
59. M3	Treatment	Negative	2	No	Yes	<i>Streptococcus mitis</i>
59. M3	Treatment	Negative	3	No	Yes	<i>Streptococcus dysgalactiae</i>
60. M3	Treatment	Negative	2	Yes	No	<i>Streptococcus infantis</i>
28. M6	Treatment	Negative	2	Yes	Yes	<i>Streptococcus parasanguinis</i>
28. M6	Treatment	Negative	3	No	Yes	<i>Streptococcus parasanguinis</i>
28. M6	Treatment	Negative	5	Yes	Yes	<i>Streptococcus pyogenes</i>
49. M6	Treatment	Positive	1	Yes	No	<i>Streptococcus pyogenes</i>
49. M6	Treatment	Positive	2	Yes	Yes	<i>Streptococcus pyogenes</i>
53. M6	Treatment	Negative	1	Yes	Yes	<i>Streptococcus pyogenes</i>
53. M6	Treatment	Negative	2	Yes	Yes	<i>Streptococcus pyogenes</i>
57. M6	Treatment	Negative	1	Yes	Yes	<i>Rothia dentocariosa</i>
57. M6	Treatment	Negative	4	Yes	No	<i>Streptococcus mitis</i>
57. M6	Treatment	Negative	9	Yes	Yes	<i>Rothia dentocariosa</i>
64. M6	Treatment	Postive	1	Yes	Yes	<i>Streptococcus mitis</i>