

**S4 Table: Comparison of cultural results from CU and corresponding MU samples**

Sample visit ID	Cultured species CU sample (CFU/ml)	Cultured species MU sample (CFU/ml)	Concordance of detected species
A5	<i>Lactobacillus crispatus</i> (10 <sup>3</sup> )	<i>Lactobacillus crispatus</i> (10 <sup>4</sup> )	CU species in MU sample, but additional species in MU
		<i>Streptococcus mutans</i> (10 <sup>3</sup> )	
		<i>Bifidobacterium breve</i> (10 <sup>3</sup> )	
		<i>Staphylococcus lugdunensis</i> (e)	
		<i>Staphylococcus epidermidis</i> (e)	
B5	<i>Streptococcus agalactiae</i> (e)	<i>Streptococcus agalactiae</i> (e)	CU species in MU sample, but additional species in MU
		<i>Lactobacillus crispatus</i> (10 <sup>3</sup> )	
		<i>Enterococcus faecalis</i> (e)	
		<i>Staphylococcus epidermidis</i> (e)	
C5	<i>Gardnerella vaginalis</i> (10 <sup>3</sup> )	<i>Gardnerella vaginalis</i> (10 <sup>6</sup> )	CU species in MU sample, but additional species in MU
	<i>Lactobacillus rhamnosus</i> (e)	<i>Lactobacillus rhamnosus</i> (10 <sup>3</sup> )	
		<i>Lactobacillus fermentum</i> (10 <sup>3</sup> )	
		<i>Streptococcus anginosus</i> (10 <sup>3</sup> )	
		<i>Prevotella bivia</i> (10 <sup>3</sup> )	
D5	<i>Streptococcus anginosus</i> (e)	<i>Streptococcus anginosus</i> (10 <sup>3</sup> )	Not all CU species in MU samples and additional species in MU
	<i>Streptococcus agalactiae</i> (e)	<i>Lactobacillus crispatus</i> (10 <sup>4</sup> )	
		<i>Propionibacterium avidum</i> (10 <sup>3</sup> )	
		<i>Lactobacillus jensenii</i> (10 <sup>3</sup> )	
		<i>Prevotella disiens</i> (10 <sup>3</sup> )	
H5	<i>Lactobacillus crispatus</i> (10 <sup>4</sup> )	<i>Lactobacillus crispatus</i> (10 <sup>4</sup> )	Not all CU species in MU samples and additional species in MU
	<i>Streptococcus anginosus</i> (e)	<i>Streptococcus anginosus</i> (10 <sup>3</sup> )	
	<i>Peptoniphilus harei</i> (e)	<i>Staphylococcus epidermidis</i> (10 <sup>3</sup> )	
I5	No bacterial growth	<i>Lactobacillus crispatus</i> (10 <sup>4</sup> )	No concordance
		<i>Streptococcus anginosus</i> (10 <sup>3</sup> )	
J5	<i>Lactobacillus crispatus</i> (e)	<i>Lactobacillus crispatus</i> (10 <sup>4</sup> )	Same species in CU and MU
L5	<i>Streptococcus agalactiae</i> (e)	<i>Streptococcus agalactiae</i> (10 <sup>3</sup> )	CU species in MU sample, but additional species in MU
		<i>Lactobacillus crispatus</i> (10 <sup>5</sup> )	
M5	<i>Lactobacillus gasseri</i> (e)	<i>Lactobacillus gasseri</i> (10 <sup>4</sup> )	Not all CU species in MU samples and additional species in MU
	<i>Lactobacillus crispatus</i> (e)	<i>Lactobacillus jensenii</i> (10 <sup>3</sup> )	
	<i>Propionibacterium avidum</i> (e)	<i>Staphylococcus epidermidis</i> (10 <sup>3</sup> )	
		<i>Bifidobacterium bifidum</i> (e)	
		<i>Actinomyces neuii</i> (e)	
		<i>Campylobacter ureolyticus</i> (e)	
N5	<i>Gardnerella vaginalis</i> (10 <sup>3</sup> )	<i>Gardnerella vaginalis</i> (10 <sup>3</sup> )	CU species in MU sample, but additional species in MU
		<i>Propionibacterium acnes</i> (10 <sup>3</sup> )	
		<i>Lactobacillus jensenii</i> (10 <sup>3</sup> )	
		<i>Staphylococcus condimentii</i> (e)	
		<i>Prevotella bivia</i> (e)	

CU: catheter urine; (e): detection only after enrichment, no quantification performed