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| **Supplementary Table 1. Summary of the complete Circos graphical output grouped according to clinical and investigation variables** |
| **Parameter** | **Microbiota\* specific to the event on Circos analysis** |
| Presence of infection | Enterobacteriaceae, Bifidobacteriaceae, Lactobacillaceae, Coriobacteriaceae, Oxalobacteraceae, Anaeroplasmataceae, Barnesiellaceae, Flavobacteriaceae, Sphaerochaetaceae, Weeksellaceae, Dermabacteraceae, Rhodocyclaceae, Chromatiaceae, Brevibacteriaceae, Shewanellaceae, Sphingobacteriaceae, Nocardiaceae |
| Absence of infection | Bacteroidaceae, Veillonellaceae, Enterococcaceae, Lachnospiraceae, Streptococcaceae, Ruminococcaceae, Acetobacteraceae, Planococcaceae, Dehalobacteriaceae |
| One episode of infection in the past | Enterobacteriaceae, Succinivibrionaceae, Lachnospiraceae, Mycoplasmataceae, Sphaerochaetaceae, Weeksellaceae, Rhodocyclaceae, Chromatiaceae, Brevibacteriaceae, Shewanellaceae, Nocardiaceae |
| Two or more episodes of infection in the past | Bifidobacteriaceae, Sphingobacteriaceae, Peptostreptococcaceae, Barnesiellaceae, Flavobacteriaceae, Bacteroidaceae, Oxalobacteraceae, Anaeroplasmataceae, Lachnospiraceae, Dermabacteraceae |
| Site of infection | Lachnospiraceae, Caldisericaceae, Brevibacteriaceae |
| Lung |
| Peritonitis | Sphingobacteriaceae, Clostridiaceae, Synergistaceae, Methanomicrobiaceae,  |
| Skin and soft tissues | Rhodocyclaceae, Synergistaceae, Dermabacteraceae |
| Genitourinary tract | Barnesiellaceae, Succinivibrionaceae, Sphingomonadaceae |
| Hepatobiliary | Weeksellaceae, Shewanellaceae, Bradyrhizobiaceae |
| Blood (isolated bacteremia) | Mycoplasmataceae, Sphaerochaetaceae, Chromatiaceae, Nocardiaceae, Brevibacteriaceae, Intrasporangiaceae |
| Overall survival | Bifidobacteriaceae, Bacteroidaceae, Enterococcaceae, Coriobacteriaceae, Erysipelotrichaceae, Sphaerochaetaceae, Rhodocyclaceae, Chromatiaceae, Sphingobacteriaceae, Caldisericaceae |
| Overall deaths | Enterobacteriaceae, Veillonellaceae, Lactobacillaceae, Ruminococcaceae, Streptococcaceae, Lachnospiraceae, Barnesiellaceae, Microbacteriaceae, Rhodobacteraceae, Weeksellaceae, Dermabacteraceae, Acetobacteraceae, Intrasporangiaceae, Shewanellaceae, Dehalobacteriaceae, Nocardiaceae, Gaiellaceae |

\*Microbiota represented in Circos analysis up to level 5, which is at the family level of bacterial taxonomy.