|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Supplementary table: Species analysis | | | |  | |
|  |  | Presence  Number (%) | | | |
|  |  | **All (n=36)** | **Simple (n=16)** | | **Complex (n=20)** |
| *Akkermansia* | *Muciniphila* | 1 (3) | - | | 1 (5) |
| *Allistipes* | *Finegoldii* | 11 (31) | 1 (6) | | 10 (50) |
| *Bacillus* | *Cereus* | 1 (3) | - | | 1 (5) |
| *Bacteroides* | *Caccae* | 3 (8) | 1 (6) | | 2 (10) |
|  | *Cellulosilyticus* | 1 (3) | - | | 1 (5) |
|  | *Coprosuis* | 1 (3) | - | | 1 (5) |
|  | *Dorei* | 4 (11) | - | | 4 (20) |
|  | *Fragilis* | 20 (56) | 4 (25) | | 16 (80) |
|  | *Helcogenes* | 5 (14) | - | | 5 (25) |
|  | *Ovatus* | 2 (6) | - | | 2 (10) |
|  | *Salyersiae* | 1 (3) | - | | 1 (5) |
|  | *Sp* | 1 (3) | - | | 1 (5) |
|  | *Spp* | 9 (25) | 2 (13) | | 7 (35) |
|  | *Uniformis* | 3 (8) | - | | 3 (15) |
|  | *Vulgatus* | 9 (25) | 2 (13) | | 7 (35) |
| *Burkholderia* | *Cenocepacia* | 2 (6) | 2 (13) | | - |
|  | *Sp* | 1 (3) | - | | 1 (5) |
| *Butyricimonas* | *Spp* | 4 (11) | 2 (13) | | 2 (10) |
| *Capnocytophaga* | *Gingivalis* | 3 (8) | - | | 3 (15) |
|  | *Ochracea* | 1 (3) | - | | 1 (5) |
| *Clostridiales* | *Spp* | 2 (6) | - | | 2 (10) |
| *Clostridium* | *Perfringens* | 2 (6) |  | | 2 (10) |
| *Corynebacterium* | *Glutamicum* | 1 (3) | - | | 1 (5) |
| *Dialister* | *Invisus* | 1 (3) | - | | 1 (5) |
| *Escherichia* | *Coli* | 24 (67) | 7 (44) | | 17 (85) |
| *Faecalibacterium* | *Prausnitzii* | 13 (36) | 4 (25) | | 10 (50) |
| *Fusobacterium* | *Nucleatum* | 14 (39) | 4 (25) | | 10 (50) |
| *Klebsiella* | *Pneumonia* | 1 (3) | - | | 1 (5) |
| *Lactobacillus* | *Brevis* | 4 (11) | - | | 4 (20) |
|  | *Delbrueckii* | 5 (14) | 1 (6) | | 4 (20) |
|  | *Reuteri* | 1 (3) | - | | 1 (5) |
|  | *Salivarius* | 1 (3) | - | | 1 (5) |
| *Novosphingobium* | *Aromaticivorans* | 1 (3) | - | | 1 (5) |
| *Odoribacter* | *Splanchnicus* | 8 (22) | 2 (13) | | 6 (30) |
|  |  | Presence  Number (%) | | | |
|  |  | **All (n=36)** | **Simple (n=16)** | | **Complex (n=20)** |
| *Oscillibacter* | *Spp* | 1 (3) | - | | 1 (5) |
| *Parabacteroides* | *Distasonis* | 1 (3) | - | | 1 (5) |
|  | *Merdae* | 2 (6) | - | | 2 (10) |
| *Parvimonas* | *Micra* | 10 (28) | 1 (6) | | 9 (45) |
| *Prevotella* | *Fusca* | 6 (17) | 1 (6) | | 5 (25) |
|  | *Intermedia* | 14 (39) | 9 (56) | | 5 (25) |
|  | *Multisaccharivorax* | 4 (11) | 2 (13) | | 2 (10) |
|  | *Ruminicola* | 4 (11) | 2 (13) | | 2 (10) |
|  | *Sp* | 1 (3) | 1 (6) | | - |
| *Priopionibacterium* | *Acnes* | 6 (17) | 4 (25) | | 2 (10) |
| *Pseudomonas* | *Putida* | 1 (3) | - | | 1 (5) |
| *Rothia* | *Mucilaginosa* | 4 (11) | 1 (6) | | 3 (15) |
| *Ruminococcus* | *Albus* | 2 (6) | - | | 2 (10) |
|  | *Flavefaciens* | 1 (3) | - | | 1 (5) |
|  | *Sp* | 22 (61) | 11 (69) | | 11 (55) |
| *Staphylococcus* | *Aureus* | 10 (28) | 5 (31) | | 5 (25) |
| *Streptococcus* | *Equi* | 4 (11) | - | | 4 (20) |
|  | *Gallolyticus* | 2 (6) | - | | 2 (10) |
|  | *Mitis* | 2 (6) | 1 (6) | | 1 (5) |
|  | *Parasanguinis* | 2 (6) | 1 (6) | | 1 (6) |
| *Sutterella* | *Spp* | 9 (25) | 1 (6) | | 8 (40) |
|  | *Wadsworthensis* | 4 (11) | 1 (6) | | 3 (15) |
| *Tannerella* | *Forsythia* | 1 (3) | 1 (6) | | - |