Late gestation diet supplementation of tall oil fatty acid and resin acid increases sow colostrum IgG content, piglet colostrum intake and modulates sow gut microbiota

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Supplementary Table S3 Abundant taxa (genus) in the faecal microbiota of sows fed the RAC and control diet.

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| --- | --- | --- | --- |
| **Taxa.genus** | **RAC** | **CON** | ***P*** |
| *Romboutsia* | 4.47 | 3.95 | 0.045 |
| *Clostridium\_sensu\_stricto* | 4.13 | 3.52 | 0.011 |
| *Oscillibacter* | 2.65 | 2.64 | 0.72 |
| *Acidaminobacter* | 2.41 | 2.59 | 0.4 |
| *Christensenella* | 2.35 | 2.38 | 0.8 |
| *Sporobacter* | 2.22 | 2.5 | 0.048 |
| *Intestinimonas* | 1.9 | 2.2 | 0.0094 |
| *Flavonifractor* | 1.56 | 1.67 | 0.31 |
| *Thermotalea* | 1.46 | 1.26 | 0.34 |
| *Barnesiella* | 1.34 | 1.75 | 0.016 |
| *Ruminococcus* | 1.32 | 1.18 | 0.74 |
| *Lachnospiracea\_incertae\_sedis* | 1.23 | 1.28 | 0.56 |
| *Terrisporobacter* | 1.18 | 1.01 | 0.036 |
| *Gracilibacter* | 1.03 | 0.99 | 0.5 |
| *Anaerovorax* | 1.01 | 0.92 | 0.53 |
| *Turicibacter* | 1.01 | 0.98 | 0.66 |
| *Alkalibacter* | 0.98 | 0.99 | 0.78 |
| *Desulfovibrio* | 0.97 | 1.03 | 0.85 |
| *EscherichiaShigella* | 0.89 | 1.31 | 0.2 |
| *Clostridium\_IV* | 0.89 | 1.01 | 0.4 |
| *Clostridium\_XlVa* | 0.86 | 0.94 | 0.34 |
| *Prevotella* | 0.75 | 0.96 | 0.11 |
| *Acetanaerobacterium* | 0.72 | 0.71 | 0.75 |
| *Bacteroides* | 0.7 | 0.88 | 0.52 |
| *Dethiosulfatibacter* | 0.7 | 0.74 | 0.95 |
| *Alkalibaculum* | 0.69 | 0.72 | 0.68 |
| *Cellulosibacter* | 0.63 | 0.61 | 0.63 |
| *Falsiporphyromonas* | 0.62 | 0.56 | 0.38 |
| *Anaerobacterium* | 0.62 | 0.72 | 0.51 |
| *Pseudoflavonifractor* | 0.62 | 0.64 | 0.71 |
| *Fastidiosipila* | 0.59 | 0.64 | 0.66 |
| *Anaerotruncus* | 0.58 | 0.65 | 0.17 |
| *Lactobacillus* | 0.54 | 0.56 | 0.95 |
| *Blautia* | 0.52 | 0.57 | 0.15 |
| *Phascolarctobacterium* | 0.5 | 0.69 | 0.0015 |
| *Faecalibacterium* | 0.48 | 0.6 | 0.093 |
| *Mogibacterium* | 0.47 | 0.44 | 0.22 |
| *Sporacetigenium* | 0.45 | 0.44 | 0.54 |
| *Ruminococcus2* | 0.43 | 0.48 | 0.034 |
| *Subdoligranulum* | 0.43 | 0.54 | 0.12 |
| *Saccharofermentans* | 0.41 | 0.42 | 0.68 |
| *Murimonas* | 0.4 | 0.41 | 0.91 |
| *Prolixibacter* | 0.38 | 0.48 | 0.18 |
| *Anaerocella* | 0.36 | 0.51 | 0.015 |
| *Coprococcus* | 0.36 | 0.48 | 0.02 |
| *Collinsella* | 0.36 | 0.35 | 0.69 |
| *Pyramidobacter* | 0.36 | 0.36 | 0.88 |
| *Anaerovibrio* | 0.34 | 0.4 | 0.12 |
| *Acetatifactor* | 0.33 | 0.34 | 0.94 |
| *Sporobacterium* | 0.32 | 0.36 | 0.27 |
| *Parabacteroides* | 0.32 | 0.35 | 0.42 |
| *Paraeggerthella* | 0.32 | 0.31 | 0.47 |
| *Peptococcus* | 0.32 | 0.32 | 0.5 |
| *Cruoricaptor* | 0.32 | 0.34 | 0.8 |
| *Hydrogenoanaerobacterium* | 0.31 | 0.27 | 0.23 |
| *Anaerofilum* | 0.28 | 0.33 | 0.011 |
| *Subdivision5\_genera\_incertae\_sedis* | 0.28 | 0.35 | 0.084 |
| *Solobacterium* | 0.27 | 0.29 | 0.66 |
| *Defluviitalea* | 0.27 | 0.34 | 0.86 |
| *Holdemanella* | 0.26 | 0.3 | 0.17 |
| *Oligosphaera* | 0.26 | 0.3 | 0.24 |
| *Caminicella* | 0.26 | 0.29 | 0.53 |
| *Streptococcus* | 0.25 | 0.26 | 0.8 |
| *Alkalitalea* | 0.24 | 0.22 | 0.59 |
| *Alloprevotella* | 0.23 | 0.26 | 0.22 |
| *Robinsoniella* | 0.23 | 0.22 | 0.52 |
| *Lactivibrio* | 0.23 | 0.22 | 0.96 |
| *Vampirovibrio* | 0.22 | 0.24 | 0.31 |
| *Aquisphaera* | 0.22 | 0.23 | 0.93 |
| *Treponema* | 0.2 | 0.25 | 0.055 |
| *Hydrogenibacillus* | 0.19 | 0.23 | 0.22 |
| *Mitsuokella* | 0.19 | 0.26 | 0.25 |
| *Papillibacter* | 0.19 | 0.21 | 0.35 |
| *Tannerella* | 0.18 | 0.25 | 0.14 |
| *Eubacterium* | 0.17 | 0.24 | 0.18 |
| *Faecalicoccus* | 0.17 | 0.19 | 0.65 |
| *Anaerosporobacter* | 0.16 | 0.21 | 0.045 |
| *Enterococcus* | 0.16 | 0.3 | 0.047 |
| *Ornithobacterium* | 0.16 | 0.13 | 0.56 |
| *Anaerosinus* | 0.16 | 0.16 | 0.88 |
| *Catabacter* | 0.15 | 0.18 | 0.055 |
| *Ethanoligenens* | 0.15 | 0.2 | 0.1 |
| *Peptostreptococcus* | 0.15 | 0.12 | 0.6 |
| *Paraprevotella* | 0.14 | 0.23 | 0.054 |
| *Anaerophaga* | 0.14 | 0.21 | 0.1 |
| *Cloacibacillus* | 0.13 | 0.095 | 0.19 |
| *Bilophila* | 0.13 | 0.14 | 0.61 |
| *Dorea* | 0.12 | 0.14 | 0.25 |
| *Dendrosporobacter* | 0.12 | 0.15 | 0.4 |
| *Roseburia* | 0.11 | 0.16 | 0.11 |
| *Helicobacter* | 0.1 | 0.13 | 0.16 |
| *Paludibacter* | 0.1 | 0.1 | 0.25 |
| *Psychrosinus* | 0.097 | 0.11 | 0.52 |
| *Campylobacter* | 0.094 | 0.21 | 0.0078 |
| *Eisenbergiella* | 0.09 | 0.11 | 0.23 |
| *Labilithrix* | 0.083 | 0.13 | 0.065 |
| *Megasphaera* | 0.074 | 0.071 | 0.2 |
| *Macellibacteroides* | 0.063 | 0.099 | 0.075 |
| *Pseudobacteroides* | 0.0052 | 0.051 | 0.3 |

RAC = resin acid-enriched composition.

CON = control.