

Figure S1. Bioinformatics pipeline for investigation of the microbial population in broiler chicken feces.

Table S1. List of minor (<1%) genus groups in each sample

|  |  |  |
| --- | --- | --- |
| **Name** | **1 day** | **35 days** |
| AB239481\_f\_uc | 0 | 0.0452 |
| AB606262\_g | 0 | 0.0226 |
| AB626898\_g | 0 | 0.0678 |
| AB626922\_g | 0 | 0.0226 |
| Acinetobacter | 0 | 0.0226 |
| Aerococcus | 0 | 0.0452 |
| AF018558\_g | 0 | 0.0452 |
| AF544207\_f\_uc | 0 | 0.0226 |
| AJ279038\_g | 0 | 0.0226 |
| Alkaliphilus | 0 | 0.0226 |
| AM275436\_o\_uc\_g | 0 | 0.0678 |
| AM277340\_g | 0 | 0.0678 |
| AM406061\_g | 0 | 0.0226 |
| Anaerofilum | 0 | 0.0226 |
| Arcobacter | 0 | 0.0226 |
| Bacillus | 0 | 0.0226 |
| Bacteroides | 0 | 0.0452 |
| Blautia | 0.01424 | 0.70056 |
| Brevundimonas | 0 | 0.0226 |
| Butyricicoccus | 0 | 0.13559 |
| Carnobacteriaceae\_uc | 0.00712 | 0 |
| Cellulosilyticum | 0 | 0.0904 |
| Clostridia\_uc\_g | 0.00712 | 0.0226 |
| Clostridiaceae\_uc | 0.03559 | 0 |
| Clostridiales\_uc\_g | 0.00712 | 0.29379 |
| Clostridium | 0 | 0.54237 |
| Clostridium\_g16 | 0 | 0.0226 |
| Clostridium\_g23 | 0 | 0.0678 |
| Clostridium\_g6 | 0.37728 | 0.0904 |
| Clostridium\_g7 | 0 | 0.0226 |
| Clostridium\_g9 | 0 | 0.31638 |
| Comamonas | 0 | 0.0226 |
| Coprobacillus | 0.02136 | 0.0226 |
| Corynebacterium | 0 | 0.31638 |
| Cronobacter | 0.00712 | 0 |
| Dorea | 0 | 0.27119 |
| DQ071456\_g | 0 | 0.13559 |
| DQ071484\_g | 0 | 0.22599 |
| DQ456434\_g | 0 | 0.0226 |
| EF400272\_g | 0 | 0.11299 |
| EF406589\_g | 0 | 0.0226 |
| EF445272\_f\_uc | 0 | 0.0226 |
| EF604822\_g | 0 | 0.0226 |
| Enterobacter | 0.01424 | 0 |
| Enterobacteriaceae\_uc | 0.02136 | 0 |
| Enterococcaceae\_uc | 0.02136 | 0 |
| Enterococcus | 0 | 0.22599 |
| Epulopiscium | 0.01424 | 0 |
| Escherichia | 0 | 0.29379 |
| EU381725\_g | 0 | 0.29379 |
| Eubacterium\_g5 | 0 | 0.0678 |
| Facklamia | 0 | 0.0678 |
| Faecalibacterium | 0 | 0.90395 |
| Festuca | 0.00712 | 0 |
| FJ966226\_g | 0 | 0.24859 |
| Gallicola | 0 | 0.18079 |
| Gammaproteobacteria\_uc\_g | 0.00712 | 0 |
| GQ175418\_g | 0 | 0.0904 |
| GQ451199\_g | 0 | 0.0226 |
| GQ897562\_g | 0 | 0.0226 |
| GQ897654\_g | 0 | 0.0226 |
| GQ898349\_g | 0 | 0.0226 |
| GU324404\_g | 0 | 0.0226 |
| Hedyosmum | 0.03559 | 0 |
| HM124144\_g | 0 | 0.0226 |
| HM124151\_f\_uc | 0 | 0.0452 |
| HM124260\_g | 0 | 0.0226 |
| HQ452860\_g | 0 | 0.18079 |
| Jeotgalicoccus | 0 | 0.0226 |
| Klebsiella | 0.00712 | 0 |
| Kurthia | 0 | 0.13559 |
| Lachnospiraceae\_uc | 0 | 0.47458 |
| Lactobacillaceae\_uc | 0.00712 | 0.15819 |
| Lactobacillales\_uc\_g | 0 | 0.0226 |
| Lactonifactor | 0 | 0.29379 |
| Lysinibacillus | 0 | 0.0904 |
| Mogibacterium\_f\_uc | 0 | 0.0226 |
| Nicotiana | 0.01424 | 0 |
| Oscillibacter | 0 | 0.0904 |
| Pelomonas | 0.00712 | 0 |
| Peptostreptococcaceae\_uc | 0 | 0.0678 |
| Phaseolus | 0.0783 | 0 |
| Planococcaceae\_uc | 0 | 0.0226 |
| Poaceae\_uc | 0.00712 | 0 |
| Proteobacteria\_uc\_g | 0.00712 | 0 |
| Pseudoflavonifractor | 0 | 0.18079 |
| Ruminococcaceae\_uc | 0 | 0.47458 |
| Ruminococcus\_g2 | 0 | 0.0226 |
| Ruminococcus\_g3 | 0 | 0.11299 |
| Ruminococcus\_g4 | 0 | 0.31638 |
| Secale | 0.00712 | 0 |
| Soonwooa | 0 | 0.0226 |
| Sphingobacterium | 0 | 0.0226 |
| Staphylococcus | 0 | 0.22599 |
| Subdoligranulum | 0 | 0.20339 |
| Syntrophococcus | 0 | 0.11299 |
| Thermohalobacter\_f\_uc | 0 | 0.0452 |
| Trichococcus | 0 | 0.0904 |
| Triticum | 0.00712 | 0 |
| Wautersiella | 0 | 0.0226 |
| Weissella | 0.00712 | 0.0226 |