Additional file 2: T**able S1: Species: Stage – KRUSCAL-WALLIS**

|  |  |  |  |
| --- | --- | --- | --- |
| Taxa | Group | P.adj | Significance |
| Unclassified\_Veillonella | Mature | 8.0291E-11 | \*\*\* |
| Unclassified\_Lactobacillus | Mature | 3.2086E-07 | \*\*\* |
| Staphylococcus\_aureus | Mature | 0.00740609 | \*\* |
| Burkholderia\_gladioli | Mature | 0.00389476 | \*\* |
| Rothia\_mucilaginosa | Mature | 0.00413336 | \*\* |
| Unclassified\_Enhydrobacter | Mature | 0.01310089 | \* |
| Unclassified\_Acinetobacter | Mature | 0.00413336 | \*\* |
| Unclassified\_Lactobacillus\_iners | Mature | 0.02984183 | \* |
| Unclassified\_Clostridiales | Mature | 9.6006E-05 | \*\*\* |
| Prevotella\_copri | Mature | 0.02059468 | \* |
| Unclassified\_Lachnospiraceae | Mature | 0.00022046 | \*\*\* |
| Prevotella\_melaninogenica | Mature | 1.4021E-07 | \*\*\* |
| Note: \*- p<0.05, \*\*- p<0.01, \*\*\*- p<0.001 | | | |

Additional file 2: Table **S2. Genus: Group – KRUSCAL-WALLIS**

|  |  |  |  |
| --- | --- | --- | --- |
| Taxa | Group | P.adj | Significance |
| Unclassified\_Bacilli | Preterm | 0.02710823 | \* |
| Unclassified\_OD1 | Term | 0.005592105 | \*\* |
| Faecalibacterium | Preterm | 0.010914223 | \* |
| Unclassified\_Proteobacteria | Term | 0.005592105 | \*\* |
| Prevotella | Preterm | 0.001235729 | \*\* |
| Paracoccus | Preterm | 5.08432E-05 | \*\*\* |
| Kocuria | Preterm | 0.017959017 | \* |
| Pseudomonas | Preterm | 0.009269516 | \*\* |
| Unclassified\_Enterobacteriaceae | Preterm | 0.006113635 | \*\* |
| Clostridium | Preterm | 3.92846E-06 | \*\*\* |
| Bacteroides | Preterm | 9.04017E-07 | \*\*\* |
| Unclassified\_Clostridiales | Preterm | 0.009269516 | \*\* |
| Unclassified\_Lachnospiraceae | Preterm | 4.07807E-05 | \*\*\* |
| Note: \*- p<0.05, \*\*- p<0.01, \*\*\*- p<0.001 |  |  |  |