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| **Frequency (%) ± SE** |
| **Taxon-family** | ***E. viminalis* 2013** | ***E. obliqua*  2013** | ***E. viminalis* 2015** | ***E. obliqua* 2015** |
| p\_Firmicutes;c\_Clostridia;o\_Clostridiales;f\_Ruminococcaceae | 27 ± 0b | 48 ± 0a | 21 ± 0c | 34 ± 0ab |
| p\_Bacteroidetes;c\_Bacteroidia;o\_Bacteroidales;f\_Porphyromonadaceae | 53 ± 0a | 5 ± 0c | 24 ± 0b | 19 ±0b |
| p\_Bacteroidetes;c\_Bacteroidia;o\_Bacteroidales;f\_Bacteroidaceae | 7 ± 0b | 14 ± 0ab | 22 ± 0a | 7 ± 0b |
| p\_Firmicutes;c\_Clostridia;o\_Clostridiales;f\_Lachnospiraceae | 4± 0b | 12 ± 0a | 5 ± 0b | 12 ± 0a |
| p\_Firmicutes;c\_Clostridia;o\_Clostridiales;f\_ | 1 ± 0b | 7 ± 0ab | 2 ± 0b | 11 ± 0a |
| p\_Cyanobacteria;c\_4C0d-2;o\_YS2;f\_ | 1 ± 0b | 6 ± 0 ab | 15 ± 0a | 8 ± 0ab |
| p\_Verrucomicrobia;c\_Verrucomicrobiae;o\_Verrucomicrobiales;f\_Verrucomicrobiaceae | 2 ± 0a | 0.00004 ± 0.00002a | 1 ± 0a | 1 ± 0a |
| p\_Bacteroidetes;c\_Bacteroidia;o\_Bacteroidales;f\_Rikenellaceae | 1 ± 0ab | 3 ± 0a | 1 ± 0ab | 1 ± 0b |
| Unassigned;Other;Other;Other;Other | 1 ± 0b | 1 ± 0a | 0.003 ±0.001c | 0.003 ± 0.001c |
| p\_Firmicutes;c\_Clostridia;o\_Erysipelotrichales;f\_Erysipelotrichaceae | 1 ± 0ab | 2 ± 0a | 0.002 ± 0.001b | 0.002 ± 0.0003b |
| p\_Proteobacteria;c\_Deltaproteobacteria;o\_Desulfovibrionales;f\_Desulfovibrionaceae | 1 ± 01a | 0.003 ± 0.0002a | 0.005 ± 0.001a | 0.003 ± 0.0003a |
| p\_Firmicutes;c\_Clostridia;o\_Clostridiales;f\_Veillonellaceae | 0.004 ± 0.001a | 0.003 ± 0.001a | 3 ± 0a | 3 ± 0a |
| p\_Proteobacteria;c\_Gammaproteobacteria;o\_Enterobacteriales;f\_Enterobacteriaceae | 0.003 ± 0.002a | 0.003 ± 0.001a | 0.0004 ± 0.0001a | 0.001 ± 0.0004a |
| p\_Firmicutes;c\_Clostridiao\_Clostridiales;f\_Clostridiaceae | 0.005 ± 0.001b | 0.0004 ± 0.0003b | 1 ± 0a | 0.003 ± 0.001b |
| p\_Firmicutes;c\_Clostridia;o\_Clostridiales;Other | 0.001 ± 0.0001b | 0.004 ± 0.0004a | 0.002 ± 0.0002b | 0.004 ± 0.0001a |
| p\_Proteobacteria;c\_Betaproteobacteria;o\_Burkholderiales;f\_Alcaligenaceae | 0.002 ± 0.001a | 0.003 ± 0.001a | 0.002 ± 0.001a | 0.002 ± 0.0004a |
| p\_Synergistetes;c\_Synergistia;o\_Synergistales;f\_Synergistaceae | 0.003 ± 0.001b | 0.0004 ± 0.0001b | 2 ± 03a | 0 ± 0b |
| p\_Planctomycetes;c\_vadinHA49;o\_PeHg47;f\_ | 0.001 ± 0.0001ab | 0.003 ± 0.001 a | 0.001 ± 0.001ab | 1 ± 0b |
| p\_Fusobacteria;c\_Fusobacteriia;o\_Fusobacteriales;f\_Fusobacteriaceae | 0.001 ± 0.001a | 0.002 ± 0.001a | 0.004 ± 0.001a | 0.0001 ± 0.0003a |