

Supplementary Table: Distribution of taxonomic assignments* for the cow rumen metagenomes

Metagenome	Percentage of sequences* assigned					
	Firmicutes	Proteobacteria	Bacteroidetes	Actinobacteria	Euryarchaeota	Cyanobacteria
Cow Rumen 1	27.21	50.26	6.59	11.24	3.27	1.43
Cow Rumen 2	27.70	47.14	9.82	10.65	3.46	1.22
Cow Rumen 3	26.20	47.36	6.48	12.80	5.69	1.47
Cow Rumen 4	16.16	76.17	2.05	2.85	1.23	1.54

* All assignments at or below phylum level were first cumulated to phylum level. Percentages shown in the above table are with respect to the sequences assigned at or below the level of phylum.