

1

Table S1. Diet composition of all rations fed to cattle on a dry matter basis.

Ingredient	Starting Ration, %	Finishing Ration, %
Corn grain, Flaked	28.54	54.10
Corn Stalks	19.00	7.76
Sweetbran ¹	42.00	29.43
Molasses	7.00	3.49
Corn Oil	0.00	1.92
Mineral Supplement	3.46	3.30

¹Cargill Corn Milling

2

3

4

Table S2. Classification efficiency by taxonomic rank.

Rank	Percentage ¹
Phylum	99.35
Class	99.34
Order	99.31
Family	99.07
Genus	93.18

¹Percent of samples after the initial trim which were classified at each taxonomic rank.

5