Table 4 Percentages of target species in ruminal samples relative to total Eubacterial content

Target taxon	Cow 4884		Cow 4991		Mean±SEM	$P>F^f$	$P>F^f$
	Day 30	Day 31	Day 30	Day 31		Cow	Day
Butyrivibrio fibrisolvens group[a]	0.022	0.027	0.022	0.024	0.024±0.003	0.584	0.256
Eubacterium ruminantium	0.170	0.158	0.163	0.213	0.176±0.025	0.584	0.658
Fibrobacter succinogenes	0.838	0.889	0.615	0.995	0.835±0.160	0.783	0.416
Megasphaera elsdenii	0.0011	0.0001	0.0003	0.0004	0.0005±0.0004	0.728	0.564
Prevotella brevis	0.162	0.099	0.152	0.128	0.135±0.028	0.693	0.266
Prevotella bryantii	1.226	0.730	1.942	1.830	1.432±0.56	0.133	0.359
Prevotellaruminicola	1.600	1.582	1.756	2.032	1.743±0.208	0.288	0.541
Ruminobacter amylophilus	0.170	0.141	0.392	0.189	0.223±0.115	0.364	0.410
Ruminococcus albus	0.003	0.001	0.004	0.008	0.004±0.003	0.361	0.811
Ruminococcus flavefaciens group[b]	0.757	0.336	0.558	0.799	0.613±0.212	0.759	0.831
Selenomonas ruminantium group[c]	0.706	0.341	0.468	0.688	0.551±0.176	0.883	0.345
Streptococcus bovis group[d]	0.008	0.002	0.003	0.002	0.004±0.003	0.525	0.477
Succinivibrio dextrinosolvens group[e]	0.715	0.656	1.071	0.799	0.810±0.184	0.257	0.365
Sum of individual species	6.19	4.92	6.90	7.21	6.30±1.02	0.308	0.654
Genus *Prevotella*	49.60	42.44	58.12	59.93	52.52±8.09	0.211	0.658

[a] BLAST search results for primer sequences included one strain of *Pseudobutyrivibrio ruminis*.

[b] BLAST search results for primer sequences included four strains of *Ruminococcus callidus* and three strains of *Lachnospiraceae*.

[c] BLAST search results for primer sequences included two strains of *S. sputigena* and three strains of *Mitsuokella*.

[d] BLAST search results for primer sequences included a total of seven strains of three other *Streptococcus* species.

[e] BLAST search results for primer sequences included two strains of *Anaerobiospirillum* species and one strain of *Mycobacterium* species.

[f] Probability of a greater value in an *F*-test, from reduced statistical models in which cow or sampling day was analyzed as the sole independent variable. The reduced models were applied after an initial statistical model in which cow and sampling day were treated as independent variables, did not yield statistical significance for either variable at $P<0.10$.