

Supplementary Table S2. Mean relative abundances of bacterial families in ruminal samples of cows when fed a concentrate formulated with cold-pressed rapeseed cake or a control concentrate

Family	Treatment		SEM	P-value
	CTR	CPRC		
Ruminococcaceae ²	0.90	0.79	0.038	0.0839
Prevotellaceae ¹	37.1	47.6	4.46	0.1194
Paraprevotellaceae ¹	1.01	1.30	0.195	0.3268
Clostridiaceae ¹	0.37	0.27	0.043	0.1299
Lachnospiraceae ²	1.09	0.93	0.058	0.0808
Veillonaceae ¹	6.07	4.7	0.84	0.2677
RF16 ¹	4.6	3.5	0.68	0.2553
Christensenellaceae ²	-0.45	-0.64	0.057	0.0331
Mogibacteriaceae ²	-0.25	-0.33	0.058	0.3879
Spirochaetaceae ³	0.51	0.59	0.103	0.5971
Desulfovibrionaceae ¹	0.14	0.11	0.013	0.1240
Succinivibrionaceae ²	-0.94	-0.72	0.122	0.2382
Dethiosulfovibrionaceae ¹	0.13	0.10	0.016	0.2183
Erysipelotrichaceae ²	-0.82	-0.85	0.075	0.7939
Pirellulaceae ¹	1.27	0.84	1.144	0.0555
Acetobacteriaceae ²	-0.94	-1.04	0.097	0.4664
Anaerolinaceae ²	-1.04	-1.09	0.104	0.7324
RFP12 ²	-0.72	-0.86	0.077	0.2434
S24-7 ¹	1.45	1.33	0.293	0.7592
Coriobacteriaceae ²	-0.61	-0.70	0.101	0.5384
Methanobacteriaceae ²	0.05	0.12	0.083	0.1570
Methanomassiliicoccaceae ²	-1.01	-0.84	0.139	0.3850
BS11 ¹	1.53	1.50	0.247	0.9092
WCHB125 ²	-0.90	-1.08	0.084	0.1565
WPS2 ²	-0.587	-0.934	0.1487	0.1214
UF_bacteroidales ¹	4.4	4.0	0.54	0.5688
UF_YS2 ¹	0.11	0.12	0.031	0.9226
UF_Clostridiales ²	0.93	0.71	0.057	0.0160
UF_RF39 ²	-0.47	-0.69	0.061	0.0243

CTR: Control; CPRC: cold-pressed rapeseed cake; ¹Untransformed data; ²Log transformation; ³ square root transformation; SEM: standard error of the mean