

Table S1. Median \pm interquartile range of alpha diversity as richness index (ACE and Chao 1) and diversity estimators (Fisher, Simpson, and Shannon) of ruminal microbial population in Nellore cattle grazing *Urochloa brizantha* cv. Marandu and supplemented or not with phytogetic compounds during the rainy season.

	Supplements ¹				P-value ²		
	EW	EPHA	MW	MPHA	ST	PHA	ST \times PHA
ACE	103.78 \pm 45.96	120.11 \pm 38.86	89.32 \pm 67.53	98.35 \pm 39.41	0.363	0.813	0.729
Chao1	100.50 \pm 45.75	116.50 \pm 39.50	86.50 \pm 66.50	95.00 \pm 38.00	0.363	0.782	0.723
Fisher	13.35 \pm 4.13	15.27 \pm 2.92	11.61 \pm 6.38	13.27 \pm 4.98	0.236	0.937	0.639
Shannon	3.61 \pm 0.27	3.59 \pm 0.25	3.52 \pm 0.40	3.46 \pm 0.24	0.144	0.693	0.429
Simpson	0.95 \pm 0.012	0.95 \pm 0.012	0.95 \pm 0.016	0.94 \pm 0.011	0.198	0.621	0.498

¹EW= energy supplement without phytogetic compounds addition. EPHA= energy supplement with phytogetic compounds addition. MW= mineral supplement without phytogetic compounds addition. MPHA = mineral supplement with phytogetic compounds addition. ²ST = effect of the type of supplement as mineral or energy supplement by a Friedman test. PHA = effect of the addition of phytogetic compounds blend containing 10% of carvacrol and cinnamaldehyde oil and 90% hydrolyzable tannins extracted from berries and grapes at a dose of 1.5 g/kg of ingested dry matter by a Friedman test.