

**Table S1** Alpha diversity of bacterial and fungal community for alfalfa silage.

Item ¹	Treatment	Sobs	Chao1	Shannon	Pielou_e	Simpson	Coverage
Bacterial							
Material		399.52	439.19	6.92	0.81	0.98	0.99
Mid DM	CTR	566.74	640.16	7.22	0.79	0.97	0.99
	INO	375.60	427.20	6.30	0.75	0.94	0.98
High DM	CTR	373.38	423.75	6.34	0.75	0.96	0.99
	INO	280.72	307.98	6.07	0.75	0.96	0.99
SEM		30.18	36.05	0.13	0.01	0.00	0.00
Fungal							
Material		89.80	95.02	4.26	0.66	0.90	1.00
Mid DM	CTR	63.65	64.48	3.27	0.55	0.79	1.00
	INO	70.70	71.53	3.95	0.64	0.88	1.00
High DM	CTR	37.65	37.70	2.45	0.52	0.65	1.00
	INO	54.80	55.88	2.81	0.49	0.72	1.00
SEM		4.32	4.70	0.16	0.02	0.03	0.00

¹Mid DM = alfalfa ensiled at mid DM; High DM = alfalfa ensiled at high DM; CTR = no additive; INO = inoculated with Land O'Lakes inoculant (*Pediococcus acidilactici*, *Enterococcus faecium* and *Lactobacillus plantarum*) to achieve a final application rate of 165,000 cfu of lactic acid bacteria (LAB)/g of fresh forage weight.