

Table S1. Ingredients and chemical composition of the basal diets of dairy goats

Composition		Content	%
Ingredient			
	Corn silage	17.00	
	Alfalfa hay	23.00	
	Peanut straw	25.00	
	Corn	8.30	
	Wheat bran	10.16	
	Soybean meal	14.74	
	NaHCO ₃	0.50	
	CaHCO ₃	0.21	
	Limestone	0.09	
	Premix ^a	1.00	
Chemical composition			
	Lactation net energy, (MJ/kg)	5.97	
	Crude protein	16.50	
	Neutral detergent fiber	44.52	
	Acid detergent fiber	27.58	
	Ca	0.61	
	P	0.45	

^a Composition per kg diet: 50,000 IU of vitamin A; 25 mg of vitamin B₁; 95 mg of vitamin B₂; 40 mg of vitamin B₅; 25 mg of vitamin B₆; 0.38 mg of vitamin B₁₂; 17,500 IU of vitamin D₃; 100 IU of vitamin E₁; 12.5 mg of vitamin K₃; 375 mg of Cu; 1,750 mg of Fe; 625 mg of Mn; 2,000 mg of Zn; 3.5 mg of I; 3.75 mg of Se.

Nutrient levels are based on dry matter, crude protein, crude fat, neutral detergent fiber, acidic detergent fiber, etc. are all measured values, and lactation net energy is calculated value.

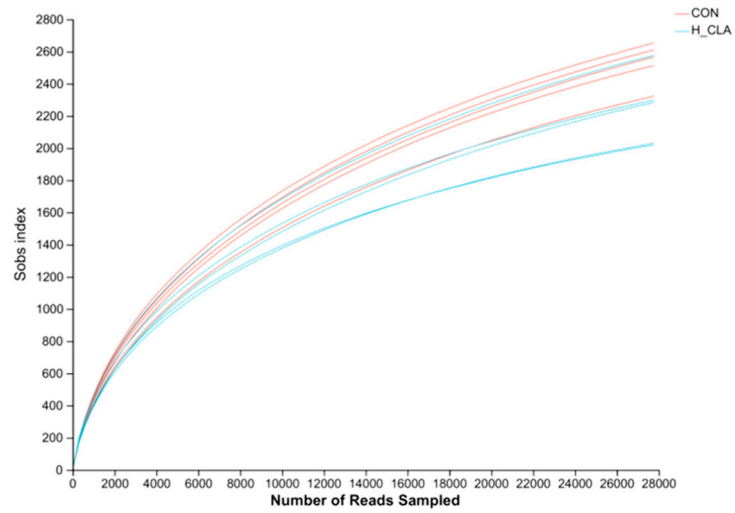


Figure S1 Number of tags sampled

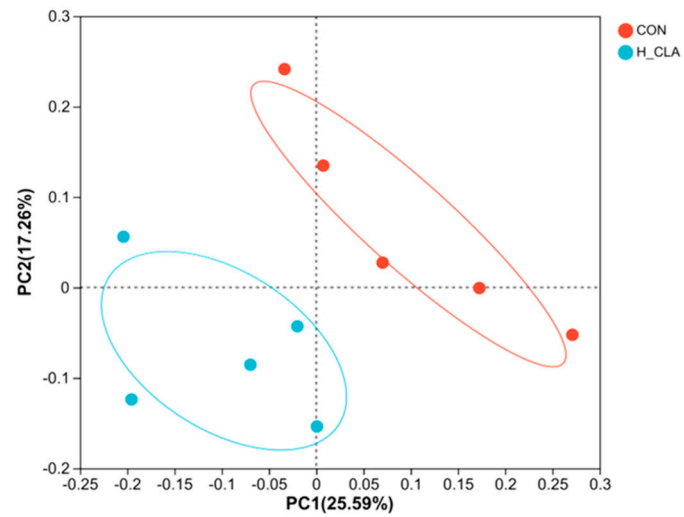


Figure S2 Principal coordinate analysis (PCoA). The unweighted UniFrac distance metrics analysis between the rumen bacteria in CON and H-CLA group