

Table S1. Ingredients and nutrient levels of the experimental diets (air-dried basis) ^a

Item	Con	HR
Rice straw	45.0	10.0
Rice with shell	33.2	54.3
Soybean meal	9.60	15.7
Wheat bran	6.00	9.80
Fat powder	3.20	5.20
Calcium carbonate	0.50	0.80
Calcium bicarbonate	1.10	1.80
Sodium chloride	0.60	1.00
Premix ^b	1.00	1.40
Nutrient levels ⁴ , % of DM (dry matter)		
Crude protein	13.5	17.6
Crude ash	9.34	9.12
Crude fat	4.18	6.01
Neutral detergent	49.8	38.4
Acid detergent fiber	36.5	9.51

^aCon: control diet; HR: high rice diet; ^bPremix composition per kg diet: 68 mg FeSO₄·H₂O, 44 mg CuSO₄·5H₂O, 411 µg CoCl₂·6H₂O, 1.70 mg KIO₃, 211 mg MnSO₄·H₂O, 126 mg ZnSO₄·H₂O, 56 µg Na₂SeO₃, 462 mg MgSO₄·7H₂O, 737 IU vitamin A, 8.29 mg vitamin E, 5.1 g carrier zeolite powder; ⁴Nutrient levels were measured values.

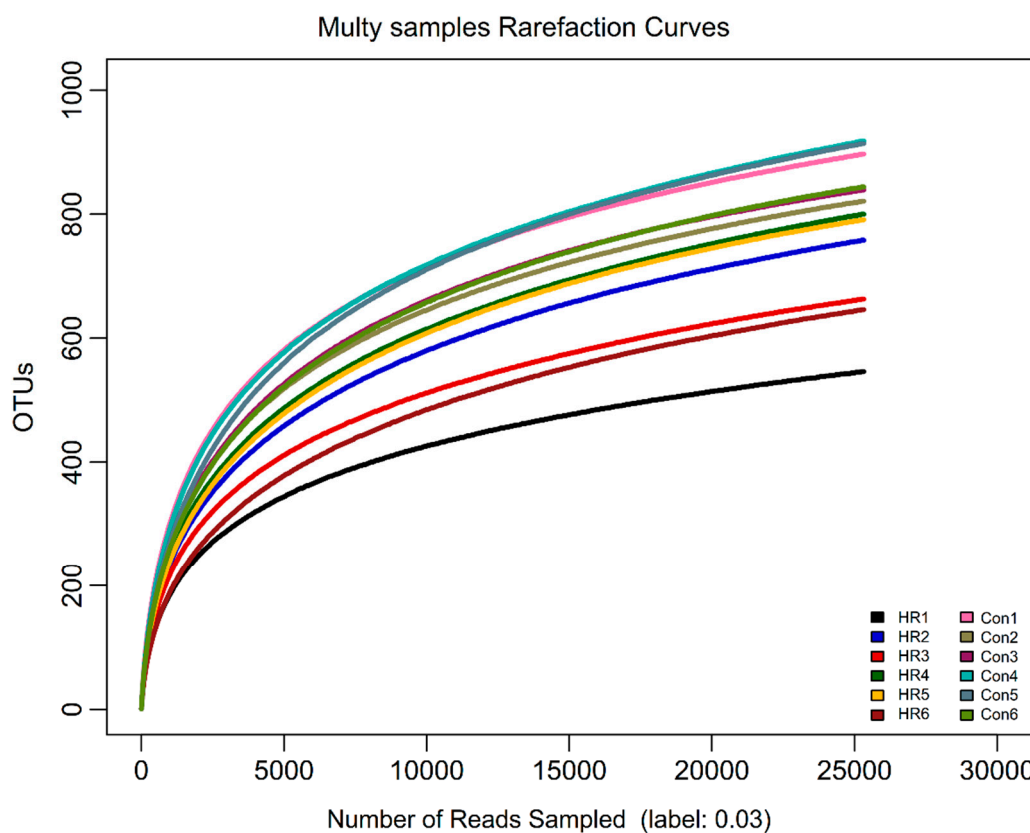


Figure S1: Rarefaction curve for each sample (Con1-Con6, HR1-HR6 are colonic samples of goats fed with 55% or 90% concentrate, separately).