

Supplementary 1. Effects of feeding *M. albus* on rumen papillae and papillary tissue morphology of Hu sheep

Item	Group		P value
	Alfalfa	<i>M. albus</i>	
Height of papillae (mm)	4.30±0.31	3.95±0.40	0.053
Width of papillae (mm)	1.53±0.25	1.53±0.22	0.991
Density of papillae (个/cm ²)	49.11±3.86	40.78±2.59	0.001
Area of papillae (mm ² /个)	6.46±1.33	4.95±0.77	0.009
Total area of papillae (mm ² /cm ²)	319.32±80.51	202.94±39.35	0.001
Total thickness (μm)	228.31±17.50	198.75±26.40	0.001
Stratum corneum thickness (μm)	49.50±7.07	39.94±7.53	0.001
Granular layer (μm)	49.06±6.08	45.31±8.55	0.163
Stratum spinosum and basale (μm)	129.75±14.12	113.50±15.58	0.004