

Table S4. The expression profile of the members of the HDAC family observed in present study.

Item	Gene	MC (RPKM)	LC (RPKM)	<i>P</i>	Chromosome
1	HDAC1 ¹	215.33±37.70	173.88±5.53	0.033915	2
2	HDAC5 ²	6.01±2.56	12.32±1.47	0.0071	19
3	HDAC6 ²	1.80±0.31	3.52±0.54	0.0298	X
4	HDAC4 ²	2.25±1.14	4.39±2.30	0.0444	3
5	HDAC10 ²	1.38±0.71	3.06±0.22	0.04435	5
6	HDAC3 ³	26.89±5.04	25.67±1.16	0.844	7
7	HDAC8 ³	10.59±2.41	8.35±1.43	0.38155	X
8	HDAC2 ³	37.70±2.44	37.93±4.44	0.9767	9

Values are mean ± standard error of mean (SEM).

P is the *p* value obtained from the two-side t-test.

¹ indicated the genes significantly upregulated in the MC group, compared with the LC group.

² indicated the genes significantly downregulated in the MC group, compared with the LC group.

³ indicated the genes expressed in the rumen epithelium, but no significant difference.