Table S1. Evaluation of quality and quantity parameters of RNA samples

Sample	260/2680	RNA (ng/μL)	600 ng (μL)	DW (μL)
CON1	2.075	110.132	5.4	14.6
CON2	2.111	120.855	5.0	15.0
CON3	2.1	117.165	5.1	14.9
CON4	2.084	92.753	6.5	13.5
CSE+LPS1	2.114	126.913	4.7	15.3
CSE+LPS2	2.072	93.456	6.4	13.6
CSE+LPS3	2.092	103.845	5.8	14.2
CSE+LPS4	2.081	96.319	6.2	13.8
CLE 12.5-1	2.085	84.154	7.1	12.9
CLE 12.5-2	2.073	113.517	5.3	14.7
CLE 12.5-3	2.096	98.36	6.1	13.9
CLE 12.5-4	2.067	79.728	7.5	12.5
CLE 25-1	2.07	89.1	6.7	13.3
CLE 25-2	2.093	91.406	6.6	13.4
CLE 25-3	2.087	82.098	7.3	12.7
CLE 25-4	2.119	86.301	7.0	13.0

Table S2. A set of primers of Mucin

	Primer sequence	Annealing Temperature (℃)	Cycle	Amplicon size
MUC5AC (Accession : KC800812)	Forward, 5′-CCACTGGTTCTATGGCAACACC-3′ Reverse, 5′-GCCGAAGTCCAGGCTGTGCG-3′	60 ℃	40	313
MUC5B (Accession : NM_002458.3)	Forward, 5′-CTGCTACGACAAGGACGGAAAC-3′ Reverse, 5′-AAGGCTGTGAGCGCACTGGATG-3′	60 ℃	40	112
SDHA (Accession : KR710499.1)	Forward, 5′-TGGGAACAAGAGGGCATCTG-3′ Reverse, 5′-CCACCACTCATCAAATTCATG-3′	60 ℃	40	85