

Table S1. Primer sequence used for qRT-PCR.

Category	Gene	Primers	Accession No.
Internal reference	β -actin	F: TCATCACCATCGGCAATGA R: TTGTAAGTGGTCTCGTGGATG	XM_050843218.1
	Crustin	F: GCTCTATGGCGGAGGATGTCA R: CGGGCTTCAGACCCACTTTAC	OK104808.1
Immunity	ALF1	F: GCTGGCTGGACCGGATTATT R: ATCACACGGGTGTTGCAGAT	XM_050871541.1
	ALF2	F: TGTCACCCCGCCTCATTAAG R: GTCAGAGACTCCCCCTGGAT	XM_050871543.1
	ALF3	F: TCTATGGCACAACGACACCG R: TGCCCTCGTGGTACAATTCC	XM_050836286.1
	TNF- α	F: GTGGACATCTGGTCAGTGGG R: GGCTCATCTGAGGGATCTGC	AB183467.1
Inflammation	TLR	F: AGCTTGCCGATTCACTCA R: CACAGCTCTTCCCTCCGTCAG	XM_050878072.1
	Myd88	F: GCCATCGCAGTCGCCAAGTT R: GGCATCCTGTTCATCCAGTTCTGAC	XM_050877740.1
	Relish	F: TCTCCCTACTCTGACCATTCC R: TTCCCACCATCTCACTCTTGT	XM_050843538.1
	Litaf	F: TAAAGGCAAGGGAGGCTTCG R: GAATGGAGCTTGAGGTGGCA	KF892539.1
	P38-MAPK	F: CACTCATGGGTGCTGACCTC R: TACTTGAGGCCTCGCAACAC	JX489772.1
Detoxication	CYP-3	F: CTCCACGACTACAAGATGTTACGC R: CACCTCGTTCATGGTAAAGAGC	XM_050869950.1
	CYP-4	F: AAGACTTCGTGGAGGTGTTC R: GCACAGCGTTATGTTGGTGAAG	XM_050840850.1

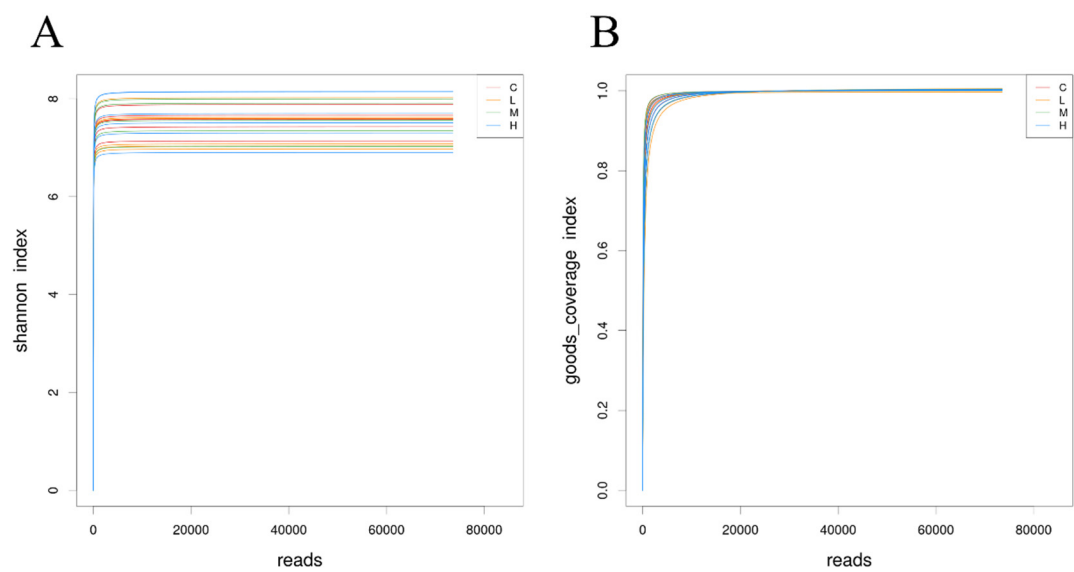


Figure S1. Shannon curves and good coverage index for each group of intestinal flora.