

[10.1071/AN24077](https://doi.org/10.1071/AN24077)

Animal Production Science

Supplementary Material

Dietary fiber consumption by sows during pregnancy has effects on gut microbial composition and immunity of offspring

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Part 1. Experimental details

1.1 The primer sequences

Gene	Primer Sequence (5'-3')	Genebank Accession
TLR1	F: AGATTTTCGTGCCACCCTATG	NM 001031775.1
	R: CCTGGGGGATAAACAATGTG	
TLR2	F: TGCTATGACGCTTTCGTGTC	NM 213761.1
	R: CGATGGAGTCGATGATGTTG	
TLR3	F: GAGCAGGAGTTTGCCTTGTC	NM 001097444.1
	R: GGAGGTCATCGGGTATTTGA	
TLR4	F: TCATCCAGGAAGGTTTCCAC	NM 001113039.2
	R: TGTCCCTCCACTCCAGGTAG	
TLR5	F: GGTCCCTGCCTCAGTATCAA	NM 001123202.1
	R: TGTTGAGAAACCAGCTGACG	
TLR6	F: TCAAGCATTTGGACCTCTCA	NM 213760.1
	R: TTCCAAATCCAGAAGGATGC	
TLR7	F: TCTGCCCTGTGATGTCAGTC	NM 001097434.1
	R: GCTGGTTTCCATCCAGGTAA	
TLR8	F: CTGGGATGCTTGGTTCATCT	NM 214187.1
	R: CATGAGGTTGTCGATGATGG	
TLR9	F: AGGGAGACCTCTATCTCCGC	NM 213958.1
	R: AAGTCCAGGGTTTCCAGCTT	

TLR10	F: GTCTCCCAATTTTCGTCCAGA	NM 00103534.1
	R: TGAGAGCTTTCAGTGCAGGA	
MyD88	F: GTGCCGTCGGATGGTAGTG	NM001099923
	R: TCTGGAAGTCACATTCCTTGCTT	
NF- κ B	F: GCTGCATCTATGGCATTGGAAG	AJ606305.1
	R: CCACAGATAACATTTGCCAAAGG	
TRAF6	F: AGGATGGGATCTGCACTGTC	DQ834921.1
	R: TCTGTCATTCGTGCTTCCAG	
β -actin	F: CAGGTCATCACCATCGGCAACG	U07786
	R: GACAGCACCGTGTTGGCGTAGAGGT	

Part 2. Supplementary data

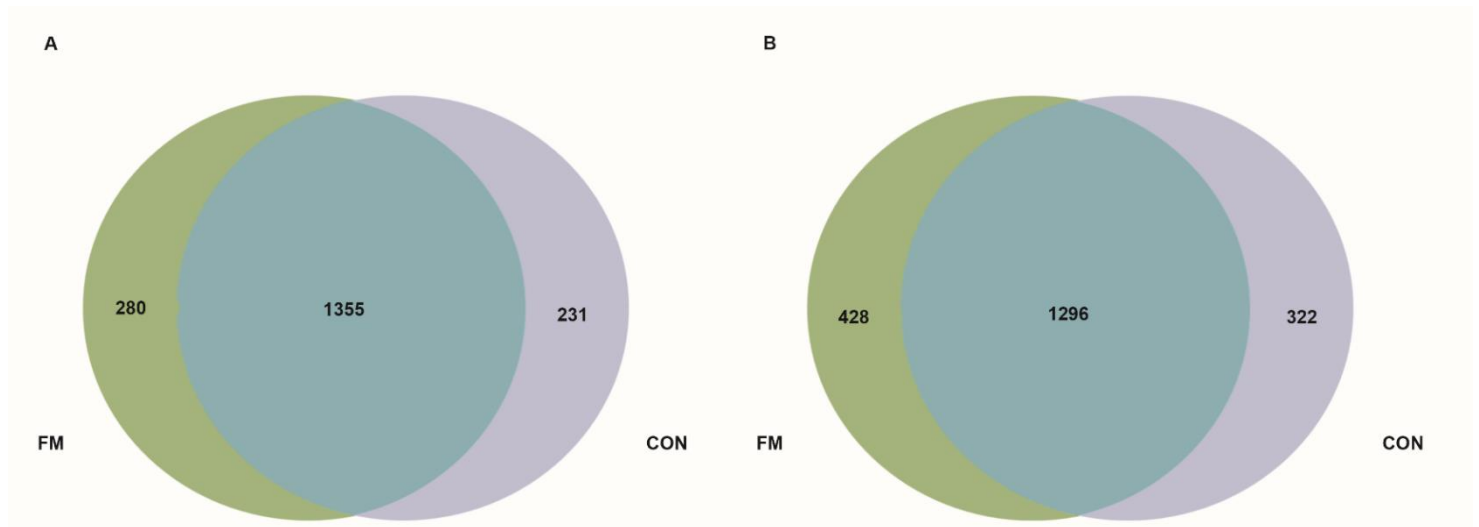


Fig. S1. Comparison of OTUs among treatments at the lactation stage. Venn diagrams were generated to describe the common and unique OTUs among treatments of lactating sows (A) and 21 d piglets (B). CON, control group; FM, fibre-mixture diet group.