

Table S1. Conditions in strain enrichment culture

Time/h	1-10	10-20	20-30	30-64
Temperature /°C	28	28	28	28
pH	6	6	6	6
Ventilation L/min	25	40-50	50	40
Rotating speed /rpm	200-400	600-800	600-800	500-700
Tank pressure /Mpa	0.06	0.08-0.09	0.09-0.1	0.09

Table S2. Sequences of PCR primers.

	Upstream primer (5'-3')	Downstream primer (5'-3')
β -actin	CCACAGCTGAGAGGGAAA	AAGGAAGGCTGGAAAAGAGC
TLR4	CTGGGTGAGAAAGCTGGTAA	AGCCTTCCTGGATGATGTTGG
MyD88	GTTGTGTGTGTCCGACCGT	GTCAGAAACAACCACCACCATGC
TNF- α	AGCCCCAGTCTGTATCCTT	CATTCGAGGCTCCAGTGAAT
IL-1 β	GGGCCTCAAAGGAAAGAATC	TACCAGTTGGGGAACTCTGC
COX-2	CCTGAGCATCTACGGTTTGC	ACTGCTCATCACCCCATTCA
iNOS	ACCCAAGGTCTACGTTTCAGG	CGCACATCTCCGCAAATGTA