



Figure S1 Construction strategy for recombinant expression vector pET-32a::IFN_OaBac5mini. IFN_OaBac5mini fragment was amplified by three steps PCR using pET 28a-SUMO:IFN_PG as original template. IFN_OaBac5mini fragment (612 bp) and pET-32a (+) plasmid were digested with *Bam*HI and *Xho*I, purified and recombined to construct the recombinant expression vector.

Table S1 MICs of different antibiotic agents against *S. Pullorum* CVCC 530 (unit: µg/mL)

Antibacterial agents	MICs
florfenicol	4
kanamycin	2.67
tetracycline	53.33
OaBac5mini	1.56