

# Supplementary Materials:

**Table S1.** Bacterial strains used in the present study.

Bacterium	Identification of bacterial
<i>S. Enteritidis</i> (SE PT13A)	Host strain
<i>S. Typhi</i> (ST-PH1)	ICTH
<i>S. Pullorum</i> (MDR-MC862-A)	ICTP
<i>S. Gallinarum</i> (MDR-MC862-B)	ICTP
<i>S. Cholerasuis</i> (SC-PH1)	ICTH
<i>C. freundii</i> (CF-PH1)	ICTH
<i>E. cloacae</i> (EC-PT1)	ICTH
<i>E. coli</i> (EC-PT1)	ICTH

ICTP: Isolated from clinical trials in poultry, ICTH: Isolated from clinical trials in humans

**Table S2.** Percentage of infectives bacteriophages post-exposure gastric conditions of poultry.

Anatomical portion simulated of <i>Gallus gallus domesticus</i>	pH 3 / 45 min	pH 5 / 15 min	pH 7 / 30 min	pH 8.5 / 20 min
	Proventriculus + gizzard	Duodenum	Jejunum e ileum	Cecum
Non encapsulated bacteriophages*	38.23*	79.78*	96.37*	89.65*
Encapsulated bacteriophages**	14.95**	26.52**	46.30**	37.19**

\* Percentage of infectivity of phage S1 non encapsulated; \*\* Percentage relative of phage S1 release from initial titer.