

Table S1. Host range of the bacteriophages UAB_Phi20, UAB_Phi78 and UAB_Phi87.

Bacteria	Strain	Bacteriophage		
		UAB_Phi20	UAB_Phi78	UAB_Phi87
<i>S. Enteritidis</i>	65	+	+	+
	951	+	+	+
	F20.5CP/94	+	+	+
	O/20.9	+	+	+
	6824	+	+	+
	7129	+	+	+
	7358	+	+	+
	7385	+	+	+
	7593	+	+	+
	7616	+	+	+
	8044	+	+	+
	8419	+	+	+
	9310	+	+	+
	9451	+	+	+
	9449	+	+	+
	9609	+	+	+
	2123/F06	+	+	+
	1861/F06	+	+	+
	<i>S. Typhimurium</i>	1	+	+
16		-	-	-
124		+	+	+
421		+	+	+
976		-	+	-
887		+	+	+
3360		+	+	+
4516		+	+	+
S4426		+	+	+
S4354		+	-	+
S5832		+	+	+
S5833		+	+	+
56254		+	+	+
MG86		+	+	-
MG98		-	-	-
J/10.2 CP/96		+	+	+
5419		+	+	+
S5827		+	+	+
S5857		+	+	+
5833		+	+	+
S5801		+	+	+
S5812		+	+	+
S5974		+	+	+
6231		+	-	+
6269		+	+	+
7627		+	+	+

Table S1 (continued)

Bacteria	Strain	Phage		
		UAB_Phi20	UAB_Phi78	UAB_Phi87
<i>S. Typhimurium</i>	D/20.5	+	+	+
	7320	+	+	+
	7653	+	+	+
	7987	+	+	+
	8429	+	+	+
	J/11.16	+	+	+
	8647	+	+	+
	8880	+	+	+
	9208	+	+	+
	8695	+	+	+
	8862	+	+	+
	9222	+	+	+
	9434	+	+	+
	9849	+	+	+
	9813	+	+	+
	10182	+	+	+
	10082	+	+	-
	10175	+	+	+
	10127	+	+	+
	1992/F06	+	+	+
1557/F06	+	+	+	
1711/F06	+	+	+	
1624/F06	+	+	+	

+ Lysis.

- No lysis.

Table S2. Detection of *S. Typhimurium* UA1872 in liver and spleen of chickens by enrichment procedure

Trial number	Day post-infection	Control grup ¹		Treated grup ¹	
		Liver	Spleen	Liver	Spleen
2	1	1/3	3/3	0/3	0/3
	2	3/3	3/3	0/3	0/3
	6	3/3	3/3	2/3	1/3
	8	3/3	3/3	3/3	1/3
	10	3/3	3/3	2/3	3/3
	13	3/3	3/3	2/3	3/3
	15	3/3	3/3	2/3	1/3
	17	2/2	2/2	2/2	2/2
3	1	1/3	3/3	0/3	0/3
	2	3/3	3/3	0/3	0/3
	6	3/3	3/3	3/3	2/3
	8	3/3	3/3	3/3	1/3
	10	3/3	3/3	3/3	2/3
	13	3/3	3/3	3/3	2/3
	15	3/3	3/3	1/3	1/3
	17	2/2	2/2	2/2	2/2

¹ Number of positive samples/Number of samples analyzed