

Table S1. Source of *Salmonella enterica* strains and scheduled tests.

<i>Salmonella</i> subspecies and serovar	Source	MIC	MBC	BIC
<i>S. Enteritidis</i> CECT 4300	CECT	✓	✓	✓
<i>S. Typhimurium</i> CECT 4594	CECT	✓	✓	✓
<i>S. Agama</i>	Spanish NRL for Salmonellosis in animals	✓	✓	
<i>S. Dublin</i>	Spanish NRL for Salmonellosis in animals	✓	✓	✓
<i>S. Eboko</i>	Spanish NRL for Salmonellosis in animals	✓	✓	
<i>S. Hadar</i>	Spanish NRL for Salmonellosis in animals	✓	✓	✓
<i>S. Infantis</i>	Spanish NRL for Salmonellosis in animals	✓	✓	✓
<i>S. Jerusalem</i>	Spanish NRL for Salmonellosis in animals	✓	✓	
<i>S. Meleagridis</i>	Spanish NRL for Salmonellosis in animals	✓	✓	✓
<i>S. Poona</i>	Spanish NRL for Salmonellosis in animals	✓	✓	
<i>S. Richmond</i>	Spanish NRL for Salmonellosis in animals	✓	✓	
<i>S. Virchow</i>	Spanish NRL for Salmonellosis in animals	✓	✓	✓
<i>S. Anatum</i>	Bovine faeces	✓	✓	
<i>S. Bardo</i>	Chicken faeces	✓	✓	
<i>S. Bredeney</i>	Chicken faeces	✓	✓	
<i>S. Dabou</i>	Chicken faeces	✓	✓	
<i>S. Drac</i>	Chicken faeces	✓	✓	
<i>S. Enteritidis</i>	Chicken faeces	✓	✓	✓
<i>S. Isangi</i>	Chicken faeces	✓	✓	
<i>S. Mbandaka</i>	Chicken faeces	✓	✓	
<i>S. Mikawasima</i>	Chicken faeces	✓	✓	
<i>S. Montevideo</i>	Chicken faeces	✓	✓	
<i>S. Ndolo</i>	Chicken faeces	✓	✓	
<i>S. Newport</i>	Chicken faeces	✓	✓	
<i>S. Seftenberg</i>	Chicken faeces	✓	✓	
<i>S. Stanleyville</i>	Chicken faeces	✓	✓	
<i>S. Thompson</i>	Chicken faeces	✓	✓	
<i>S. Typhimurium</i>	Chicken faeces	✓	✓	✓
<i>S. Typhimurium</i> 1	Chicken faeces	✓	✓	
<i>S. Typhimurium</i> 2	Chicken faeces	✓	✓	
<i>S. Typhimurium</i> 3	Chicken faeces	✓	✓	
<i>S. Typhimurium</i> 4	Chicken faeces	✓	✓	
<i>S. Typhimurium</i> 5	Chicken faeces	✓	✓	
<i>S. Typhimurium</i> 6	Chicken faeces	✓	✓	
<i>S. Typhimurium</i> 7	Chicken faeces	✓	✓	
<i>S. Typhimurium</i> 8	Chicken faeces	✓	✓	
<i>S. arizonae</i> , serotype 48: z4, z23	Chicken faeces	✓	✓	
<i>S. arizonae</i> , serotype 48: z4, z23, z32	Chicken faeces	✓	✓	
<i>S. salamae</i> , serotype 4, 12:b-	Chicken faeces	✓	✓	
<i>S. salamae</i> , serotype 6, 8:g, m, t	Chicken faeces	✓	✓	✓
<i>S. Cerro</i>	Fish	✓	✓	
<i>S. Typhimurium</i> monofasica	Straw (cattle feed)	✓	✓	✓

Table S2. ΔOD_{630nm} values (averaged of four independent replicates) of microbial biofilms produced by *Salmonella enterica* strains. Values are means \pm standard error (ES).

Salmonella serotypes					Biofilm formation		
					Inoculum 10 ⁸ CFU/mL	Inoculum 10 ⁴ CFU/mL	
Genus	Species	Subsp.	Serovar	Source	Average OD ₆₃₀ \pm ES	Average OD ₆₃₀ \pm ES	<i>p</i>
Salmonella	enterica	enterica	Enteritidis 4300	CECT	0.092 \pm 0.007	0.107 \pm 0.007	0.008
Salmonella	enterica	enterica	Enteritidis	wild	0.083 \pm 0.004	0.073 \pm 0.004	0.002
Salmonella	enterica	enterica	Typhimurium 4594	CECT	0.071 \pm 0.004	0.058 \pm 0.004	7.47E-08
Salmonella	enterica	enterica	Typhimurium	wild	0.112 \pm 0.009	0.111 \pm 0.007	0.829
Salmonella	enterica	enterica	T. monofasica	wild	0.075 \pm 0.006	0.074 \pm 0.006	0.722
Salmonella	enterica	enterica	Infantis	NRL	0.083 \pm 0.017	0.136 \pm 0.02	0.001
Salmonella	enterica	enterica	Meleagridis	NRL	0.135 \pm 0.019	0.11 \pm 0.017	0.028
Salmonella	enterica	enterica	Virchow	NRL	0.094 \pm 0.009	0.097 \pm 0.008	0.574
Salmonella	enterica	enterica	Dublin	NRL	0.045 \pm 0.002	0.048 \pm 0.002	0.115
Salmonella	enterica	enterica	Hadar	NRL	0.047 \pm 0.003	0.048 \pm 0.003	0.584
Salmonella	enterica	salamae	6, 8: g, m, t	wild	0.081 \pm 0.006	0.075 \pm 0.005	0.169

Statistical analysis was performed only within each strain, comparing controls of different inoculum concentration.