

Table S1. Number of serovars found in the sub-units on the farms A, B, and C.

Serovar	Farm		
	A	B	C
	(Gilts Integration/Peripartal/Piglet Rearing)		
<i>S. Typhimurium</i>	12/0/1	0/0/6	-
<i>S. Typhimurium monophasic</i>	1/0/107	0/0/62	0/0/1
<i>S. Derby</i>	5/0/0	2/3/0	49/20/2
<i>S. Goldcoast</i>	0/0/11	-	-
<i>S. Stanley</i>	1/0/1	-	-
<i>S. subspecies I</i>	0/0/2	-	-
<i>S. rough mutant*</i>	0/0/1	-	-
<i>S. London</i>	-	1/0/0	-
<i>S. Infantis</i>	-	-	0/0/9
Total number per farm	19/0/123	3/3/68	49/20/12

“-“ not applicable; * Mutant of *S. Typhimurium* with altered lipopolysaccharide O-antigen.

Table S2. Distribution of frequencies using McNemar test (grey) and Kappa statistic values (black) showing agreement between the boot swabs, feces, and blood sampling methods for *Salmonella* detection for gilt integration excluding results of time points 4 and 6 of farm A due to vaccination.

		Kappa		
		Boot swab	Feces	OD15
<i>p</i> -value McNemar test	Boot swab		-0.19	0.51
	Feces	<0.0001		0.64
	OD15	0.0017	<0.0001	
	OD40	<0.0001	<0.0001	-

“-“ not applicable