

**TABLE S1** Pig and *spa* type distribution across farms.

Distribution across farms of Danish crossbred pigs included in genome-wide association study. The pigs were classified as non-carriers or persistent carriers of *Staphylococcus aureus*. Also shown is the *spa* type distribution among 37 persistent carriers.

<b>Farm No.</b>	<b>Non-carriers</b>	<b>Persistent carriers (numbers <i>spa</i>-typed)</b>	<b>Number of persistent carriers colonized by one <i>spa</i> type</b>	<b>Number of persistent carriers colonized by two <i>spa</i> types</b>	<b>Number of persistent carriers colonized by three <i>spa</i> types</b>
2	5	4 (3)	3 (t011)	0	0
3	0	6 (5)	0	5 (t034, t1334, t2462)	0
4	4	0	NA	NA	NA
5	0	5 (5)	2 (t034, t1333)	3 (t034, t1333)	0
6	5	2 (2)	0	2 (t034, t1333)	0
7	10	0	NA	NA	NA
8	12	1 (0)	NA	NA	NA
10	0	12 (12)	7 (t034)	5 (t034, t3131)	0
11	0	2 (1)	0	0	1 (t011, t1580, t5817)
12	1	7 (6)	1 (t2315)	4 (t034, t2315, t5817)	1 (t2315, t2370, t5817)
13	16	1 (1)	0	1 (t034, t1334)	0
16	5	2 (2)	0	2 (t034, t337)	0
17	2	5 (0)	NA	NA	NA
18	7	6 (0)	NA	NA	NA
20	5	3 (0)	NA	NA	NA
Total	65	56 (37)	13	22	2

NA, not applicable.