Supplementary Table S1. Presence of PRRSv-specific maternally-derived antibodies (MDAs) in sixteen PRRSv-vaccinated sows originating from two Belgian farrow-to-finish herds. For each sow the ELISA 1 (IDEXX ELISA), ELISA 2 (CIVTEST ELISA) and VN (virus neutrlization assay) MDA ratio was calculated by dividing the number of PRRSv-seropositive piglets by the total number of piglets originating from each respective sow, at either 3 weeks of age (herd 1) or 4 weeks of age (herd 2).

Sow number (parity)	MDA ratio ELISA 1	MDA ratio ELISA 2	MDA ratio VN
Herd 1			
Sow 1 (7)	0/8 (0.0)	0/8 (0.0)	0/8 (0.0)
Sow 2 (4)	0/11 (0.0)	1/11 (0.09)	0/11 (0.0)
Sow 3 (7)	0/13 (0.0)	4/13 (0.31)	0/13 (0.0)
Sow 4 (5)	0/11 (0.0)	1/11 (0.09)	1/11 (0.09)
Sow 5 (1)	0/11 (0.0)	0/11 (0.0)	0/11 (0.0)
Sow 6 (6)	10/10 (1.0)	10/10 (1.0)	8/10 (0.8)
Sow 7 (5)	9/9 (1.0)	8/9 (0.89)	6/9 (0.67)
Sow 8 (1)	10/10 (1.0)	10/10 (1.0)	0/10 (0.0)
Herd 2			
Sow 1 (5)	0/10 (0.0)	0/10 (0.0)	0/10 (0.0)
Sow 2 (3)	0/8 (0.0)	0/8 (0.0)	1/8 (0.13)
Sow 3 (3)	0/13 (0.0)	0/13 (0.0)	0/13 (0.0)
Sow 4 (4)	12/12 (1.0)	12/12 (1.0)	0/12 (0.0)
Sow 5 (3)	10/10 (1.0)	10/10 (1.0)	0/10 (0.0)
Sow 6 (3)	9/12 (0.75)	0/12 (0.0)	0/12 (0.0)
Sow 7 (1)	11/11 (1.0)	11/11 (1.0)	7/11 (0.64)
Sow 8 (1)	14/14 (1.0)	12/14 (0.86)	0/14 (0.0)

Supplementary Table S2. PRRSv vaccine responses in piglets born from sixteen PRRSv-vaccinated sows originating from two Belgian farrow-to-finish herds. For each sow the ELISA 1 (IDEXX ELISA), ELISA 2 (CIVTEST ELISA), VN (virus neutrlization assay) and PCR response ratio was calculated by dividing the number of PRRSv vaccinated, responding piglets by the total number of PRRSv-vaccinated piglets originating from each respective sow, at 3 weeks post-vaccination. Piglets of herd 1 were intramuscular PRRSv-vaccinated with the Porcilis® vaccine at 3 weeks of age. Piglets of herd 2 were intramuscular PRRSv-vaccinated with the Unistrain® vaccine at 4 weeks of age.

Sow number (parity)	Response ratio ELISA 1	Response ratio ELISA 2	Response ratio VN	Response ratio PCR
Herd 1				
Sow 1 (7)	5/5 (1.0)	5/5 (1.0)	0/5 (0.0)	5/5 (1.0)
Sow 2 (4)	4/6 (0.67)	4/6 (0.67)	0/6 (0.0)	4/6 (0.67)
Sow 3 (7)	10/10 (1.0)	6/10 (0.6)	0/10 (0.0)	10/10 (1.0)
Sow 4 (5)	3/7 (0.43)	3/7 (0.43)	0/7 (0.0)	3/7 (0.43)
Sow 5 (1)	4/8 (0.5)	2/8 (0.25)	0/8 (0.0)	5/8 (0.63)
Sow 6 (6)	0/6 (0.0)	0/6 (0.0)	0/6 (0.0)	0/6 (0.0)
Sow 7 (5)	1/5 (0.2)	0/5 (0.0)	0/5 (0.0)	1/5 (0.2)
Sow 8 (1)	4/9 (0.44)	0/9 (0.0)	0/9 (0.0)	5/9 (0.56)
Herd 2				
Sow 1 (5)	6/6 (1.0)	3/6 (0.5)	0/6 (0.0)	3/6 (0.5)
Sow 2 (3)	3/5 (0.6)	1/5 (0.2)	0/5 (0.0)	3/5 (0.6)
Sow 3 (3)	7/9 (0.78)	2/9 (0.22)	0/9 (0.0)	7/9 (0.78)
Sow 4 (4)	8/8 (1.0)	6/8 (0.75)	1/8 (0.13)	5/8 (0.63)
Sow 5 (3)	4/6 (0.67)	0/6 (0.0)	0/6 (0.0)	2/6 (0.33)
Sow 6 (3)	6/8 (0.75)	2/8 (0.25)	0/8 (0.0)	2/8 (0.25)
Sow 7 (1)	0/7 (0.0)	0/7 (0.0)	0/7 (0.0)	1/7 (0.14)
Sow 8 (1)	6/10 (0.6)	1/10 (0.1)	0/10 (0.0)	2/10 (0.2)

Supplementary Table S3. PRRSv vaccine responses in piglets born from sixteen PRRSv-vaccinated sows originating from two Belgian farrow-to-finish herds. For each sow the ELISA 1 (IDEXX ELISA), ELISA 2 (CIVTEST ELISA), VN (virus neutrlization assay) and PCR response ratio was calculated by dividing the number of PRRSv vaccinated, responding piglets by the total number of PRRSv-vaccinated piglets originating from each respective sow, at 8 weeks post-vaccination. Piglets of herd 1 were intramuscular PRRSv-vaccinated with the Porcilis® vaccine at 3 weeks of age. Piglets of herd 2 were intramuscular PRRSv-vaccinated with the Unistrain® vaccine at 4 weeks of age.

Sow number (parity)	Response ratio ELISA 1	Response ratio ELISA 2	Response ratio VN	Response ratio PCR
Herd 1				
Sow 1 (7)	5/5 (1.0)	4/5 (0.8)	3/5 (0.6)	4/5 (0.8)
Sow 2 (4)	5/6 (0.83)	5/6 (0.83)	5/6 (0.83)	2/6 (0.33)
Sow 3 (7)	9/10 (0.9)	9/10 (0.9)	3/10 (0.3)	6/10 (0.6)
Sow 4 (5)	4/7 (0.57)	4/7 (0.57)	3/7 (0.43)	2/7 (0.29)
Sow 5 (1)	5/8 (0.63)	5/8 (0.63)	2/8 (0.25)	3/8 (0.38)
Sow 6 (6)	0/6 (0.0)	0/6 (0.0)	1/6 (0.17)	0/6 (0.0)
Sow 7 (5)	4/5 (0.8)	4/5 (0.8)	0/5 (0.0)	3/5 (0.6)
Sow 8 (1)	7/9 (0.78)	5/9 (0.56)	2/9 (0.22)	2/9 (0.22)
Herd 2				
Sow 1 (5)	6/6 (1.0)	6/6 (1.0)	4/6 (0.67)	5/6 (0.83)
Sow 2 (3)	5/5 (1.0)	4/5 (0.8)	1/5 (0.2)	4/5 (0.8)
Sow 3 (3)	9/9 (1.0)	9/9 (1.0)	3/9 (0.33)	8/9 (0.89)
Sow 4 (4)	8/8 (1.0)	8/8 (1.0)	2/8 (0.25)	7/8 (0.88)
Sow 5 (3)	6/6 (1.0)	5/6 (0.83)	1/6 (0.17)	4/6 (0.67)
Sow 6 (3)	8/8 (1.0)	8/8 (1.0)	4/8 (0.5)	8/8 (1.0)
Sow 7 (1)	5/7 (0.71)	6/7 (0.86)	1/7 (0.14)	7/7 (1.0)
Sow 8 (1)	8/10 (0.8)	8/10 (0.8)	1/10 (0.1)	10/10 (1.0)