

Supplementary Table S1: ASFV detection in oral fluid and rectal swabs from vaccinated pigs by real-time PCR, 0-28 DPI.

Samples	ASFV Real-time PCR														
	10 ³ TCID ₅₀ vaccinated 0-28 DPI (pig number)					10 ⁴ TCID ₅₀ vaccinated 0-28 DPI (pig number)					10 ⁵ TCID ₅₀ vaccinated 0-28 DPI (pig number)				
	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
Oral fluid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rectal swabs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: “-” under the detection threshold of ASFV Real-time PCR.

Supplementary Table S2: Detection of ASFV-specific antibodies using the commercial ASF blocking ELISA kit (INGEZIM PPA COMPAC 11.PPA.k3, Ingenasa, Madrid, Spain).

Group	No. of pigs	Vaccination	ASFV-specific antibodies Blocking percentage (%)	Clinical signs
1-month vaccination, 0 DPC	5	10 ⁴ VNUA-ASFV-LAVL3	>83%	Healthy
	3	No vaccination, contact	<40%	Healthy
	3	No vaccination	<40%	Healthy
2-months vaccination, 0 DPC	5	10 ⁴ VNUA-ASFV-LAVL3	>90%	Healthy
	3	No vaccination, contact	<40%	Healthy
	3	No vaccination	<40%	Healthy

Note: Each sample’s competition percentage (S/N%) was calculated according to the manufacturer’s instructions, with interpretations as follows: ≥ 50% positive, 40-50% doubtful, and ≤40% negative.