

Supplementary Table 3. Designated-pathogen-free list

No	Pathogens	Method	Results
	Bacteria (40)		
1	<i>Actinobacillus equuli</i>	Blood culture ^a	Negative
2	<i>Actinobacillus pleuropneumoniae</i> (APP)	Real-time PCR ^b	Negative
3	<i>Actinobacillus suis</i>	Real-time PCR	Negative
4	<i>Actinomyces (Eubacterium) suis</i>	Real-time PCR	Negative
5	<i>Arcobacter</i> spp.	Blood culture	Negative
6	<i>Bacillus anthracis</i>	Real-time PCR	Negative
7	<i>Bordetella bronchiseptica</i>	Blood culture	Negative
8	<i>Brucella suis</i> (Bru)	Real-time PCR	Negative
9	<i>Campylobacter</i> spp. (e.g., <i>coli</i> , <i>jejuni</i>)	Real-time PCR	Negative
10	<i>Chlamydia</i> spp.	Real-time PCR	Negative
11	<i>Clostridium difficile</i>	Real-time PCR	Negative
12	<i>Coxiella burnetii</i>	Real-time PCR	Negative
13	<i>Erysipelothrix rhusiopathiae</i>	Blood culture	Negative
14	<i>Escherichia coli</i> (<i>E. coli</i>) (verotoxigenic)	Real-time PCR	Negative
15	<i>Haemophilus parasuis</i> (HP)	Blood culture	Negative
16	<i>Klebsiella</i> spp. (e.g., <i>pneumoniae</i>)	Blood culture	Negative
17	<i>Lawsonia intracellularis</i>	Blood culture	Negative
18	<i>Legionella pneumophila</i>	Culture & Identification ^c	Negative
19	<i>Leptospira</i> spp. (<i>hardjo</i> , <i>pomona</i> , <i>tarrasovi</i> , <i>interrogans</i>)	Real-time PCR	Negative
20	<i>Listeria monocytogenes/Listeria</i> spp.	Blood culture	Negative
21	Methicillin-resistant <i>Staphylococcus aureus</i>	Blood culture	Negative
22	<i>Mycobacterium</i> sp. (<i>bovis</i> , tuberculosis, non-tuberculosis mycobacteria)	AFB culture ^d	Negative
23	<i>Mycoplasma hyopneumoniae</i> (MH)	Real-time PCR	Negative
24	<i>Mycoplasma hyorhinis</i>	Real-time PCR	Negative
25	<i>Ureaplasma parvum</i>	Real-time PCR	Negative
26	<i>Mycoplasma suis</i> (<i>Eperythrozoon suis</i>)	Real-time PCR	Negative
27	<i>Nocardia</i> sp.	Blood culture	Negative
28	<i>Pasteurella multocida</i> (PM)/ <i>Pasteurella</i> spp.	Blood culture	Negative
29	Vancomycin-resistant enterococci (VRE)	Blood culture	Negative
30	<i>Pseudomonas</i> sp./ <i>Pseudomonas pseudomallei</i>	Blood culture	Negative
31	<i>Rhodococcus equi</i>	Blood culture	Negative
32	<i>Salmonella</i> spp.	Blood culture	Negative
33	<i>Brachyspira hyodysenteriae</i>	Real-time PCR	Negative
34	<i>Brachyspira pilosicoli</i>	Blood culture	Negative
35	<i>Shigella</i>	Real-time PCR	Negative
36	<i>Staphylococcus hyicus</i>	Blood culture	Negative
37	<i>Streptococcus</i> spp.	Blood culture	Negative
38	<i>Streptococcus suis</i>	Blood culture	Negative

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No	Pathogens	Method	Results
39	Vancomycin intermediate-resistant <i>Staphylococcus aureus</i> (VISA)	Culture & Identification	Negative
40	<i>Yersinia</i> spp.	Real-time PCR	Negative
Fungi (6)			
41	<i>Aspergillus</i> spp.	Blood culture	Negative
42	<i>Blastomyces</i> spp.	Blood culture	Negative
43	<i>Candida</i> spp.	Blood culture	Negative
44	<i>Cryptococcus</i> spp.	Blood culture	Negative
45	<i>Histoplasma</i> spp.	Blood culture	Negative
46	<i>Systemic mycoses</i>	Blood culture	Negative
Parasites (27)			
47	Arthropods	Microscopical inspection ^c	Negative
48	<i>Babesia</i> spp.	Malaria smear (blood film) ^f	Negative
49	<i>Balantidium coli</i>	O&P ^g	Negative
50	Blood parasites	Malaria smear (blood film)	Negative
51	<i>Cryptosporidium parvum</i> / <i>Cryptosporidium</i> spp.	ELISA	Negative
52	<i>Eimeria</i> spp.	O&P	Negative
53	<i>Entamoeba suis</i>	O&P	Negative
54	<i>Oesophagostomum</i> spp.	O&P	Negative
55	<i>Giardia</i> spp.	O&P	Negative
56	<i>Ascaris suum</i>	O&P ^a	Negative
57	<i>Echinococcus</i> spp./ <i>Echinococcus granulosus</i>	O&P	Negative
58	<i>Strongyloides</i> spp.	O&P	Negative
59	<i>Trichinella spiralis</i>	O&P, microscopical inspection	Negative
60	<i>Hyostrogylus rubidus</i>	O&P	Negative
61	<i>Isospora</i> spp.	O&P	Negative
62	<i>Macrocanthorhynchus hirudinaceus</i>	O&P	Negative
63	<i>Metastrongylus</i> spp.	O&P	Negative
64	<i>Neospora caninum</i>	Real-time PCR	Negative
65	<i>Sarcocystis miescheriana</i>	O&P	Negative
66	<i>Sarcocystis suihominis</i>	O&P	Negative
67	<i>Stephanurus dentatus</i>	O&P, microscopical inspection	Negative
68	<i>Taenia solium</i>	O&P	Negative
69	<i>Toxocara</i> spp.	O&P	Negative
70	<i>Toxoplasma</i> spp./ <i>Toxoplasma gondii</i>	PCR	Negative
71	<i>Trichostrongylus</i> spp.	O&P	Negative
72	<i>Trichuris suis</i>	O&P	Negative
73	<i>Trypanosoma cruzi</i>	Malaria smear (blood film)	Negative
Virus (73)			
74	Desoxyvirus (African swine fever)	Real-time PCR	Negative

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No	Pathogens	Method	Results
75	Akabane virus	RT-PCR	Negative
76	Alphatorquevirus (Torque teno virus)	Real-time PCR	Negative
77	Apoi	RT-PCR	Negative
78	Batai	RT-PCR	Negative
79	Border disease	RT-PCR	Negative
80	Bornavirus	Real-time PCR	Negative
81	Bovine virus diarrhea virus (BVDV)	Real-time PCR	Negative
82	Cache valley	RT-PCR	Negative
83	Chikungunya	Real-time PCR	Negative
84	Classical swine fever virus (CSFV)	Real-time PCR	Negative
85	Orthopoxvirus (Cowpox)	PCR	Negative
86	Dengue fever	Real-time PCR	Negative
87	Eastern equine encephalitis virus (EEEV)	RT-PCR	Negative
88	Encephalomyocarditis virus (EMCV)	Real-time PCR	Negative
89	Enterovirus G	Real-time PCR	Negative
90	Foot and mouth disease virus (FMD)	ELISA	Negative
91	Getah virus	Real-time PCR	Negative
92	Hantavirus	Real-time PCR	Negative
93	Hepatitis A virus (HAV)	Real-time PCR	Negative
94	Hepatitis B virus (HBV)	Real-time PCR	Negative
95	Hepatitis E virus (HEV)	Real-time PCR	Negative
96	Human enterovirus	Real-time PCR	Negative
97	Parainfluenza 1 virus (Sendai)	Real-time PCR	Negative
98	Parainfluenza 2 virus	Real-time PCR	Negative
99	Parainfluenza 3 virus	Real-time PCR	Negative
100	Rhinovirus (human serotypes)	Real-time PCR	Negative
101	Ibaraki	RT-PCR	Negative
102	Japanese encephalitis virus (JEV)	Real-time PCR	Negative
103	Ljungan-like virus	RT-PCR	Negative
104	Louping III/TBE (tick-borne encephalitis) complex	RT-PCR	Negative
105	Lymphocytic choriomeningitis virus (LCMV)	ELISA	Negative
106	Measles virus	Real-time PCR	Negative
107	Menangle virus	Real-time PCR	Negative
108	Nipah (Hendra-like)	RT-PCR	Negative
109	Porcine adenovirus	Real-time PCR	Negative
110	Porcine astrovirus	Real-time PCR	Negative
111	parvovirus PPARV-4 (bocavirus)	Real-time PCR	Negative
112	Porcine circovirus type 1 (PCV1)	Real-time PCR	Negative
113	Porcine circovirus type 2 (PCV2)	Real-time PCR	Negative

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No	Pathogens	Method	Results
114	Porcine circovirus type 3 (PCV3)	Real-time PCR	Negative
115	Porcine cytomegalovirus (PCMV)	Real-time PCR	Negative
116	Porcine endogenous retrovirus (PERV)	Real-time PCR	Negative
117	Porcine epidemic diarrhea virus (PEDV)	Real-time PCR	Negative
118	Porcine genital papillomavirus	PCR	Negative
119	Hemagglutinating encephalomyelitis virus (PHEV)	Real-time PCR	Negative
120	Kobuvirus	Real-time PCR	Negative
121	Porcine lymphotropic herpesvirus type 1 (PLHV1)	Real-time PCR	Negative
122	Porcine lymphotropic herpesvirus type 2 (PLHV2)	Real-time PCR	Negative
123	Porcine parvovirus (PPV)	Real-time PCR	Negative
124	Porcine picobirnavirus	RT-PCR	Negative
125	Porcine polyomavirus	PCR	Negative
126	Porcine reproductive and respiratory syndrome virus (PRRSV)	Real-time PCR	Negative
127	Porcine respiratory coronavirus (PRCV)	Real-time PCR	Negative
128	Porcine rubulavirus (la Piedad Michoacan)	RT-PCR	Negative
129	Enteric calicivirus	Real-time PCR	Negative
130	Porcine teschovirus (PTV)	Real-time PCR	Negative
131	Porcine torovirus	Real-time PCR	Negative
132	Pseudorabies (Aujeszky's disease)	Real-time PCR	Negative
133	Rabies virus	Real-time PCR	Negative
134	Reovirus	Real-time PCR	Negative
135	Respiratory syncytial virus (RSV)	Real-time PCR	Negative
136	Porcine rotavirus (Rota)	Real-time PCR	Negative
137	Influenza A/B/C	Real-time PCR	Negative
138	Swine vesicular disease	Real-time PCR	Negative
139	Suipoxvirus (Swinepox)	Real-time PCR	Negative
140	Tioman virus	Real-time PCR	Negative
141	Transmissible gastroenteritis virus (TGEV)	Real-time PCR	Negative
142	Venezuelan encephalitis	RT-PCR	Negative
143	Vesicular stomatitis virus	RT-PCR	Negative
144	Wesselsbron disease	RT-PCR	Negative
145	West Nile fever virus	Real-time PCR	Negative
146	Western equine encephalitis virus (WEEV)	RT-PCR	Negative

PCR, polymerase chain reaction; AFB, acid-fast bacilli; O&P, ova and parasites; ELISA, enzyme-linked immunosorbent assay; RT-PCR, reverse transcription-polymerase chain reaction.

^aBlood culture: Whole blood was cultured in appropriate culture media for 5 or 6 days to test for bacterial growth. Identification using suitable methods was performed when bacterial growth was observed, ^bPCR or real-time PCR: Samples obtained from whole blood, stool, nasal swab, or vaginal swab were subjected to PCR or real-time PCR, ^cCulture and identification: Samples from nasal swabs or skin were cultured, and if bacterial growth was observed, identification was performed, ^dAFB culture is the inoculation of a whole blood specimen onto culture media and then incubation at 37°C for up to 6 weeks and detection of growth or no growth during this incubation period, ^eMicroscopical inspection: After skin scraping, the presence or absence of arthropods were examined under the microscope, ^fBlood film (Malaria smear): Whole blood smear was examined under the microscope, ^gO&P: Ova and parasite in the stool were examined by a diagnostician.