

1 **Supporting Document**

2

3

FIGURE CAPTIONS

4 **Fig. S1. Haplotype network cladogram with 95% parsimonious connections based on**
5 **full control-region sequences were constructed to show the haplotype phylogeny of (a)**
6 **Formosan wild boar lineage (FWBL) and (b) Formosan wild boar with Lanyu sign**
7 **lineage (FWBLYL).** Open circles represent haplotypes corresponding to those in Table S3,
8 and solid circles show hypothetical haplotypes. Node size is proportional to sample size in the
9 dataset. White and grey sections of each pie chart indicate the frequencies of wild boar and
10 domestic pigs.

11

12 **Fig. S2. A Bayesian phylogenetic tree was constructed on the basis of partial mtDNA**
13 **control region polymorphism among 552 Asian wild boar, Lanyu pigs, and Philippine**
14 **native pigs.** Pig haplotype, status, geographic location, and NCBI accession numbers are
15 detailed in Table S2. Numerals in parentheses following pig haplotype show the number of
16 sequences in the haplotype. Warty pigs (*S. verrucosus*, NC_023536; *S. cebifrons*, NC_023541)
17 are used as the outgroup. Numbers on the major nodes are Bayesian posterior probabilities.
18 Each clade name is listed in the right column. Abbreviations of clades are as follows:
19 GEAWB: general East Asian wild boar; AWB: Asian wild boar; FWBLYL: Formosan wild
20 boar with Lanyu sign lineage.

21 **Table S1. Information relating to PCR primer sets and annealing conditions**

Primer sets	Primer name	Sequence (5' to 3')	Fragment size (bp)	Locations in EF375877	Annealing temperature (°C)
Fragment A	D-loop L1	CCAAGACTCAAGGAAGGAGA	516	16428-16447	55
	D-loop H1	GGTCCTGAAGTAAGAACCAG	–	425-444	55
Fragment B	D-loop L2	TGATCGTACATAGCACAT	454	246-263	55
	D-loop H2	TTATGTCCYGTAACCATTGACTG	–	677-699	55
Fragment C	D-loop L3	CGCGCATATAAGCAGGTA AAA	425	710-729	55
	D-loop H3	TGTGTTTATGGGGCTGTGAG	–	1115-1134	55
Full length	D-loop L1	CCAAGACTCAAGGAAGGAGA	1044 ¹	16428-16447	63
	D-loop H4	GGCGCGGATACTTGCATGTG	–	1177-1196	63

22 ¹Fragment size was edited to remain 1 common highly variable tandem repeat (5'-CGTGCGTACA-3'), and type I Lanyu diagnostic motif repeat (5'-ACACAAACC-3')

23 was excluded (Wu et al., 2007a).

24 **Table S2. The detailed information of all Formosan wild boar, Lanyu pig, Philippine native pig, and Asian wild boar used in the**
 25 **phylogenetic analyses**

Haplotype	Code	Status	Geographic groups	Location	Accession No.	References
Taiwan						
FWB01	FWB01	Wild	Taiwan	Taiwan	KP987268	This study
FWB02	FWB02	Wild	Taiwan	Taiwan	KP987269	This study
FWB03	FWB03	Wild	Taiwan	Taiwan	KP987270	This study
FWB04	FWB04	Wild	Taiwan	Taiwan	KP987271	This study
FWB05	FWB05	Wild	Taiwan	Taiwan	KP987272	This study
FWB06	FWB06	Wild	Taiwan	Taiwan	KP987273	This study
FWB07	FWB07	Wild	Taiwan	Taiwan	KP987274	This study
FWB08	FWB08	Wild	Taiwan	Taiwan	KP987275	This study
FWB09	FWB09	Wild	Taiwan	Taiwan	KP987276	This study
FWB10	FWB10	Wild	Taiwan	Taiwan	KP987277	This study
FWB11	FWB11	Wild	Taiwan	Taiwan	KP987278	This study
FWB12	FWB12	Wild	Taiwan	Taiwan	KP987279	This study
FWB13	FWB13	Wild	Taiwan	Taiwan	KP987280	This study
FWB14	FWB14	Wild	Taiwan	Taiwan	KP987281	This study
FWB15	FWB15	Wild	Taiwan	Taiwan	KP987282	This study
FWB16	FWB16	Wild	Taiwan	Taiwan	KP987283	This study
FWB17	FWB17	Wild	Taiwan	Taiwan	KP987284	This study
FWB18	FWB18	Wild	Taiwan	Taiwan	KP987285	This study
FWB19	FWB19	Wild	Taiwan	Taiwan	KP987286	This study
FWB20	FWB20	Wild	Taiwan	Taiwan	KP987287	This study
FWB21	FWB21	Wild	Taiwan	Taiwan	KP987288	This study
FWB22	FWB22	Wild	Taiwan	Taiwan	KP987289	This study
FWB23	FWB23	Wild	Taiwan	Taiwan	KP987290	This study
FWB24	FWB24	Wild	Taiwan	Taiwan	KP987291	This study

FWB25	FWB25	Wild	Taiwan	Taiwan	KP987292	This study
FWB26	FWB26	Wild	Taiwan	Taiwan	KP987293	This study
FWB27	FWB27	Wild	Taiwan	Taiwan	KP987294	This study
FWB28	FWB28	Wild	Taiwan	Taiwan	KP987295	This study
FWB29	FWB29	Wild	Taiwan	Taiwan	KP987296	This study
FWB30	FWB30	Wild	Taiwan	Taiwan	KP987297	This study
FWB31	FWB31	Wild	Taiwan	Taiwan	KP987298	This study
FWB32	FWB32	Wild	Taiwan	Taiwan	KP987299	This study
FWBLY01	FWBLY01	Wild	Taiwan	Taiwan	KP987300	This study
FWBLY02	FWBLY02	Wild	Taiwan	Taiwan	KP987301	This study
FWBLY03	FWBLY03	Wild	Taiwan	Taiwan	KP987302	This study
FWBLY04	FWBLY04	Wild	Taiwan	Taiwan	KT895077	This study
LY01	LY01	Domestic	Taiwan	Taiwan and Lanyu Islet	KP987303	This study
LY02	LY02	Domestic	Taiwan	Taiwan	KP987304	This study
LY03	LY03	Domestic	Taiwan	Taiwan	KP987305	This study
Type I Lanyu	Type I Lanyu	Domestic	Taiwan	Taiwan and Lanyu Islet	EF375877	Wu et al., 2007a
Philippines						
PHLY01	PHLY01	Domestic	Philippines	Philippines, Itbayat Island and Batan Island	KP987306	This study
PHLY02	PHLY02	Domestic	Philippines	Philippines, Itbayat Island and Batan Island	KP987307	This study
Ryukyu						
RWB01	riukiuanus01	Wild	Ryukyu	Japan, Ryukyu	D42184	Okumura et al., 1996
RWB02	Ryukyu wild boar 1	Wild	Ryukyu	Japan, Ryukyu	AB015087	Watanobe et al., 1999
RWB03	Ryukyu wild boar 2	Wild	Ryukyu	Japan, Ryukyu	AB015088	Watanobe et al., 1999
RWB04	Ryukyu wild boar 6	Wild	Ryukyu	Japan, Ryukyu	AB015089	Watanobe et al., 1999
RWB05	Ryukyu wild boar 10	Wild	Ryukyu	Japan, Ryukyu	AB015090	Watanobe et al., 1999
RWBp06	Okinawa1	Wild	Ryukyu	Japan, Ryukyu	AB505852	Hayashi and Adachi, 2009 (unpublished)
Japan						

JWB01	leucomystax01	Wild	Japan	Japan	D42171	Okumura et al., 1996
JWB02	leucomystax02	Wild	Japan	Japan	D42172	Okumura et al., 1996
JWB03	leucomystax03	Wild	Japan	Japan	D42173	Okumura et al., 1996
JWB04	leucomystax04	Wild	Japan	Japan	D42174	Okumura et al., 1996
JWB05	leucomystax05	Wild	Japan	Japan	D42175	Okumura et al., 1996
JWB06	leucomystax06	Wild	Japan	Japan	D42176	Okumura et al., 1996
JWB07	leucomystax07	Wild	Japan	Japan	D42177	Okumura et al., 1996
JWB08	leucomystax08	Wild	Japan	Japan	D42178	Okumura et al., 1996
JWB09	Japanese wild boar 56	Wild	Japan	Japan	AB015084	Watanobe et al., 1999
JWB10	Japanese wild boar 55	Wild	Japan	Japan	AB015085	Watanobe et al., 1999
JWB11	Japanese wild boar 72	Wild	Japan	Japan	AB015086	Watanobe et al., 1999
JWB12	Tokushima 5001	Wild	Japan	Japan	AB041467	Watanobe et al., 2001
JWB13	Gunma 4	Wild	Japan	Japan	AB041468	Watanobe et al., 2001
JWB14	Miyazaki 7	Wild	Japan	Japan	AB041469	Watanobe et al., 2001
JWB15	Miyazaki 9	Wild	Japan	Japan	AB041470	Watanobe et al., 2001
JWB16	Miyazaki 12	Wild	Japan	Japan	AB041471	Watanobe et al., 2001
JWB17	Miyazaki 43	Wild	Japan	Japan	AB041472	Watanobe et al., 2001
JWB18	Miyazaki 49	Wild	Japan	Japan	AB041473	Watanobe et al., 2001

Korea

KWB01	NJAES-1	Wild	Korea	South Korea	AY429457	Cho et al., 2009
KWB02	NJAES-2	Wild	Korea	South Korea	AY429458	Cho et al., 2009
KWB03	KWB1	Wild	Korea	South Korea	AY879771	Cho et al., 2009
KWB04	KWB2	Wild	Korea	South Korea	AY879772	Cho et al., 2009
KWB05	NJAES-3	Wild	Korea	South Korea	AY534282	Cho et al., 2009
KWB06	NJAES-5	Wild	Korea	South Korea	AY534284	Cho et al., 2009
KWB07	NJAES-6	Wild	Korea	South Korea	AY534285	Cho et al., 2009
KWB08	KWB565	Wild	Korea	South Korea	AY879773	Cho et al., 2009
KWB09	KWB566	Wild	Korea	South Korea	AY879774	Cho et al., 2009
KWB10	NJAES-9	Wild	Korea	South Korea	AY534288	Cho et al., 2009
KWB11	KS01	Wild	Korea	South Korea	DQ207757	Cho et al., 2009

KWB12	KS2	Wild	Korea	South Korea	AY879775	Cho et al., 2009
KWB13	KS4	Wild	Korea	South Korea	AY879776	Cho et al., 2009
KWB14	KS06	Wild	Korea	South Korea	DQ207759	Cho et al., 2009
KWB15	KS07	Wild	Korea	South Korea	DQ191210	Cho et al., 2009
KWB16	KS08	Wild	Korea	South Korea	DQ191211	Cho et al., 2009
KWB17	KS10	Wild	Korea	South Korea	DQ191213	Cho et al., 2009
KWB18	KS11	Wild	Korea	South Korea	DQ191214	Cho et al., 2009
KWB19	KS12	Wild	Korea	South Korea	DQ207760	Cho et al., 2009
KWB20	KS14	Wild	Korea	South Korea	DQ191216	Cho et al., 2009
KWB21	KS16	Wild	Korea	South Korea	DQ191218	Cho et al., 2009
KWB22	KS18	Wild	Korea	South Korea	DQ191219	Cho et al., 2009
KWB23	KS20	Wild	Korea	South Korea	DQ191220	Cho et al., 2009
KWB24	KS21	Wild	Korea	South Korea	DQ191221	Cho et al., 2009
KWB25	KS22	Wild	Korea	South Korea	DQ191222	Cho et al., 2009
KWB26	KS23	Wild	Korea	South Korea	DQ191223	Cho et al., 2009
KWB27	KS24	Wild	Korea	South Korea	DQ191224	Cho et al., 2009
KWB28	KS25	Wild	Korea	South Korea	DQ191225	Cho et al., 2009
KWB29	KS27	Wild	Korea	South Korea	DQ191226	Cho et al., 2009
KWB30	KS28	Wild	Korea	South Korea	DQ191227	Cho et al., 2009
KWB31	KS32	Wild	Korea	South Korea	AY879781	Cho et al., 2009
KWB32	KS33	Wild	Korea	South Korea	DQ191228	Cho et al., 2009
KWB33	KS34	Wild	Korea	South Korea	AY879782	Cho et al., 2009
KWB34	KS37	Wild	Korea	South Korea	AY879784	Cho et al., 2009
KWB35	S12	Wild	Korea	South Korea	EF533685	Cho et al., 2009
KWB36	S13	Wild	Korea	South Korea	EF533686	Cho et al., 2009
KWB37	S15	Wild	Korea	South Korea	EF533688	Cho et al., 2009
KWB38	S16	Wild	Korea	South Korea	EF533689	Cho et al., 2009
KWB39	S17	Wild	Korea	South Korea	EF533690	Cho et al., 2009
KWB40	S18	Wild	Korea	South Korea	EF533691	Cho et al., 2009
KWB41	S19	Wild	Korea	South Korea	EF533692	Cho et al., 2009

KWB42	S20	Wild	Korea	South Korea	EF533693	Cho et al., 2009
KWBp43	GL938	Wild	Korea	North Korea	DQ779421	Larson et al., 2007
China						
CWBp01	GL44	Wild	China	China, Sichuan	AY884610	Larson et al., 2005
CWBp02	GL64	Wild	China	China, Shanxi	AY884627	Larson et al., 2005
CWBp03	GL78	Wild	China	China, Shensi	AY884639	Larson et al., 2005
CWBp04	GL79	Wild	China	China, Sichuan	AY884640	Larson et al., 2005
CWBp05	GL80	Wild	China	China, Hunan	AY884641	Larson et al., 2005
CWBp06	GL146	Wild	China	China, Hunan	AY884683	Larson et al., 2005
CWBp07	GL147	Wild	China	China, Shanxi	AY884684	Larson et al., 2005
CWBp08	GL638	Wild	China	China	DQ779353	Larson et al., 2007
CWBp09	Wbfuj2	Wild	China	China, Fujian	DQ496773	Wu et al., 2007b
CWBp10	Wbfj346	Wild	China	China, Fujian	DQ496774	Wu et al., 2007b
CWBp11	Wbfj347	Wild	China	China, Fujian	DQ496775	Wu et al., 2007b
CWBp12	Wbfj349	Wild	China	China, Fujian	DQ496777	Wu et al., 2007b
CWBp13	Wbfuj4	Wild	China	China, Fujian	DQ496780	Wu et al., 2007b
CWBp14	Wbfuj6	Wild	China	China, Fujian	DQ496781	Wu et al., 2007b
CWBp15	Wbfujdh17	Wild	China	China, Fujian	DQ496784	Wu et al., 2007b
CWBp16	Wbfujdh19	Wild	China	China, Fujian	DQ496785	Wu et al., 2007b
CWBp17	Wbfujdh7	Wild	China	China, Fujian	DQ496786	Wu et al., 2007b
CWBp18	Wbgann12	Wild	China	China, Gansu	DQ496788	Wu et al., 2007b
CWBp19	Wbgann15	Wild	China	China, Gansu	DQ496789	Wu et al., 2007b
CWBp20	Wbgann19	Wild	China	China, Gansu	DQ496790	Wu et al., 2007b
CWBp21	Wbglgsh	Wild	China	China, Yunnan	DQ496792	Wu et al., 2007b
CWBp22	Wbhn353	Wild	China	China, Hainan	DQ496802	Wu et al., 2007b
CWBp23	Wbhn354	Wild	China	China, Hainan	DQ496803	Wu et al., 2007b
CWBp24	Wbhn355	Wild	China	China, Hainan	DQ496804	Wu et al., 2007b
CWBp25	Wbhn356	Wild	China	China, Hainan	DQ496805	Wu et al., 2007b
CWBp26	Wbhn357	Wild	China	China, Hainan	DQ496806	Wu et al., 2007b
CWBp27	Wbhn359	Wild	China	China, Hainan	DQ496808	Wu et al., 2007b

CWBp28	Wbjx1b	Wild	China	China, Jiangxi	DQ496815	Wu et al., 2007b
CWBp29	Wbjx2b	Wild	China	China, Jiangxi	DQ496816	Wu et al., 2007b
CWBp30	Wbjx4b	Wild	China	China, Jiangxi	DQ496818	Wu et al., 2007b
CWBp31	Wbjx5b	Wild	China	China, Jiangxi	DQ496819	Wu et al., 2007b
CWBp32	Wbqlb1	Wild	China	China, Guizhou	DQ496826	Wu et al., 2007b
CWBp33	Wbqlb3	Wild	China	China, Guizhou	DQ496828	Wu et al., 2007b
CWBp34	Wbqzy1	Wild	China	China, Guizhou	DQ496830	Wu et al., 2007b
CWBp35	Wbshaanx1	Wild	China	China, Shaanxi	DQ496833	Wu et al., 2007b
CWBp36	Wbshaanx10	Wild	China	China, Shaanxi	DQ496834	Wu et al., 2007b
CWBp37	Wbshaanx2	Wild	China	China, Shaanxi	DQ496835	Wu et al., 2007b
CWBp38	Wbshaanx4	Wild	China	China, Shaanxi	DQ496837	Wu et al., 2007b
CWBp39	Wbshaanx5	Wild	China	China, Shaanxi	DQ496838	Wu et al., 2007b
CWBp40	Wbshaanx6	Wild	China	China, Shaanxi	DQ496839	Wu et al., 2007b
CWBp41	Wbshaanx7	Wild	China	China, Shaanxi	DQ496840	Wu et al., 2007b
CWBp42	Wbshaanx8	Wild	China	China, Shaanxi	DQ496841	Wu et al., 2007b
CWBp43	Wbshaanx9	Wild	China	China, Shaanxi	DQ496842	Wu et al., 2007b
CWBp44	Wbsich016	Wild	China	China, Sichuan	DQ496843	Wu et al., 2007b
CWBp45	Wbsich277	Wild	China	China, Sichuan	DQ496844	Wu et al., 2007b
CWBp46	Wbsich278	Wild	China	China, Sichuan	DQ496845	Wu et al., 2007b
CWBp47	Wbyn351	Wild	China	China, Yunnan	DQ496852	Wu et al., 2007b
CWBp48	Wbyn370	Wild	China	China, Yunnan	DQ496859	Wu et al., 2007b
CWBp49	Wbynjh1	Wild	China	China, Yunnan	DQ496862	Wu et al., 2007b
CWBp50	Wbynjh10	Wild	China	China, Yunnan	DQ496863	Wu et al., 2007b
CWBp51	Wbynjh18	Wild	China	China, Yunnan	DQ496871	Wu et al., 2007b
CWBp52	Wbynjh20	Wild	China	China, Yunnan	DQ496874	Wu et al., 2007b
CWBp53	Wbynjh29	Wild	China	China, Yunnan	DQ496877	Wu et al., 2007b
CWBp54	Wbynjh3	Wild	China	China, Yunnan	DQ496878	Wu et al., 2007b
CWBp55	Wbynjh6	Wild	China	China, Yunnan	DQ496881	Wu et al., 2007b
CWBp56	Wbynjh8	Wild	China	China, Yunnan	DQ496883	Wu et al., 2007b
CWBp57	Wbynjh9	Wild	China	China, Yunnan	DQ496884	Wu et al., 2007b

CWBp58	Wbzhj12	Wild	China	China, Zhengjiang	DQ496889	Wu et al., 2007b
CWBp59	Wbzhj15	Wild	China	China, Zhengjiang	DQ496892	Wu et al., 2007b
CWBp60	Wbzhj16	Wild	China	China, Zhengjiang	DQ496893	Wu et al., 2007b
CWBp61	Wbzhj7	Wild	China	China, Zhejiang	DQ496899	Wu et al., 2007b
CWBp62	Wbzhjjsh2	Wild	China	China, Zhejiang	DQ496906	Wu et al., 2007b
CWBp63	bd71bZHJW	Wild	China	China, Zhejiang	FJ601522	Larson et al., 2010
CWBp64	WB01	Wild boar	China	China, Chongqing	JX068440	Jin et al., 2012
CWBp65	WB02	Wild boar	China	China, Chongqing	JX068441	Jin et al., 2012
CWBp66	WB03	Wild boar	China	China, Chongqing	JX068442	Jin et al., 2012
CWBp67	WB04	Wild boar	China	China, Chongqing	JX068443	Jin et al., 2012
CWBp68	WB05	Wild boar	China	China, Chongqing	JX068444	Jin et al., 2012

Island Southeast Asia (ISEA)

ISEAip01	GL43	Wild	ISEA	Indonesia	AY884609	Larson et al., 2005
ISEAip02	GL45	Wild	ISEA	Indonesia	AY884611	Larson et al., 2005
ISEAip03	GL48	Wild	ISEA	Indonesia	AY884614	Larson et al., 2005
ISEAMp04	GL70	Wild	ISEA	Malaysia	AY884632	Larson et al., 2005
ISEAip05	GL84	Wild	ISEA	Indonesia	AY884644	Larson et al., 2005
ISEAip06	GL85	Wild	ISEA	Indonesia	AY884645	Larson et al., 2005
ISEAip07	GL88	Wild	ISEA	Indonesia	AY884648	Larson et al., 2005
ISEAip08	GL99	Wild	ISEA	Indonesia	AY884657	Larson et al., 2005
ISEAip09	GL100	Wild	ISEA	Indonesia	AY884658	Larson et al., 2005
ISEAip10	GL101	Wild	ISEA	Indonesia	AY884659	Larson et al., 2005
ISEAip11	GL104	Wild	ISEA	Indonesia	AY884662	Larson et al., 2005
ISEAip12	GL105	Wild	ISEA	Indonesia	AY884663	Larson et al., 2005
ISEAMp13	GL138	Wild	ISEA	Malaysia	AY884676	Larson et al., 2005
ISEAip14	GL155	Wild	ISEA	Indonesia	AY884687	Larson et al., 2005
ISEAip15	GL598	Wild	ISEA	Indonesia	DQ779318	Larson et al., 2007
ISEAip16	GL599	Wild	ISEA	Indonesia	DQ779319	Larson et al., 2007
ISEAip17	GL603	Wild	ISEA	Indonesia	DQ779322	Larson et al., 2007
ISEAip18	GL604	Wild	ISEA	Indonesia	DQ779323	Larson et al., 2007

ISEAIp19	GL605	Wild	ISEA	Indonesia	DQ779324	Larson et al., 2007
ISEAIp20	GL606	Wild	ISEA	Indonesia	DQ779325	Larson et al., 2007
ISEAIp21	GL609	Wild	ISEA	Indonesia	DQ779327	Larson et al., 2007
ISEAIp22	GL614	Wild	ISEA	Indonesia	DQ779332	Larson et al., 2007
ISEAIp23	GL615	Wild	ISEA	Indonesia	DQ779333	Larson et al., 2007
ISEAIp24	GL617	Wild	ISEA	Indonesia	DQ841949	Larson et al., 2007
ISEAMp25	GL619	Wild	ISEA	Malaysia	DQ779336	Larson et al., 2007
ISEAIp26	GL640	Wild	ISEA	Indonesia	DQ779355	Larson et al., 2007
ISEAIp27	GL643	Wild	ISEA	Indonesia	DQ779358	Larson et al., 2007
South Asia (SA)						
SAIp01	GL46	Wild	SA	India	AY884612	Larson et al., 2005
SAPp02	GL54	Wild	SA	Pakistan	AY884618	Larson et al., 2005
SANp03	GL56	Wild	SA	Nepal	AY884620	Larson et al., 2005
SASp04	GL75	Wild	SA	Sri Lanka	AY884636	Larson et al., 2005
SAIp05	GL135	Wild	SA	India	AY884674	Larson et al., 2005
SAIp06	GL162	Wild	SA	India	AY884689	Larson et al., 2005
SAIp07	GL235	Wild	SA	India	AY884709	Larson et al., 2005
SASp08	GL920	Wild	SA	Sri Lanka	DQ779413	Larson et al., 2007
West Asia (WA)						
WAIp01	GL59	Wild	WA	Iran	AY884622	Larson et al., 2005
WAIp02	GL77	Wild	WA	Iran	AY884638	Larson et al., 2005
WAAp03	GL142	Wild	WA	Armenia	AY884680	Larson et al., 2005
WAAp04	GL193	Wild	WA	Armenia	AY884693	Larson et al., 2005
WAAp05	GL194	Wild	WA	Armenia	AY884694	Larson et al., 2005
WAAp06	GL236	Wild	WA	Armenia	AY884710	Larson et al., 2005
WAIp07	GL254	Wild	WA	Iran	AY884725	Larson et al., 2005
WAAp08	GL270	Wild	WA	Armenia	AY884726	Larson et al., 2005
WAAp09	GL271	Wild	WA	Armenia	AY884727	Larson et al., 2005
Southeast Asia (SEA)						

SEAMp01	GL87	Wild	SEA	Myanmar	AY884647	Larson et al., 2005
SEAMp02	GL195	Wild	SEA	Myanmar	AY884695	Larson et al., 2005
SEAMp03	GL915	Wild	SEA	Myanmar	DQ779411	Larson et al., 2007
SEAVp04	202	Wild	SEA	Vietnam	AB053618	Hongo et al., 2002
SEAVp05	205	Wild	SEA	Vietnam	AB053619	Hongo et al., 2002
SEALp06	Wblaos2	Wild	SEA	Laos	DQ496821	Wu et al., 2007b
SEALp07	Wblaos3	Wild	SEA	Laos	DQ496822	Wu et al., 2007b
SEAVp08	Viet 32	Wild	SEA	Vietnam	AB326947	Ishiguro et al., 2008

Northeast Asia (NEA)

NEACp01	Wbdb14	Wild	NEA	Northeast China	DQ496747	Wu et al., 2007b
NEACp02	Wbdb15	Wild	NEA	Northeast China	DQ496748	Wu et al., 2007b
NEACp03	Wbdb16	Wild	NEA	Northeast China	DQ496749	Wu et al., 2007b
NEACp04	Wbdb17	Wild	NEA	Northeast China	DQ496750	Wu et al., 2007b
NEACp05	Wbdb18	Wild	NEA	Northeast China	DQ496751	Wu et al., 2007b
NEACp06	Wbdb19	Wild	NEA	Northeast China	DQ496752	Wu et al., 2007b
NEACp07	Wbdb20	Wild	NEA	Northeast China	DQ496754	Wu et al., 2007b
NEACp08	Wbdb21	Wild	NEA	Northeast China	DQ496755	Wu et al., 2007b
NEACp09	Wbdb22	Wild	NEA	Northeast China	DQ496756	Wu et al., 2007b
NEACp10	Wbdb23	Wild	NEA	Northeast China	DQ496757	Wu et al., 2007b
NEACp11	Wbdb24	Wild	NEA	Northeast China	DQ496758	Wu et al., 2007b
NEACp12	Wbdb25	Wild	NEA	Northeast China	DQ496759	Wu et al., 2007b
NEACp13	Wbdb26	Wild	NEA	Northeast China	DQ496760	Wu et al., 2007b
NEACp14	Wbdb27	Wild	NEA	Northeast China	DQ496761	Wu et al., 2007b
NEACp15	Wbdb28	Wild	NEA	Northeast China	DQ496762	Wu et al., 2007b
NEACp16	Wbdb29	Wild	NEA	Northeast China	DQ496763	Wu et al., 2007b
NEACp17	Wbdb30	Wild	NEA	Northeast China	DQ496765	Wu et al., 2007b
NEACp18	Wbdb31	Wild	NEA	Northeast China	DQ496766	Wu et al., 2007b
NEACp19	Wbdb4	Wild	NEA	Northeast China	DQ496767	Wu et al., 2007b

26 **Table S3. Genetic characteristics, nucleotide substitutions, and haplotypes of Formosan wild boar, Lanyu pig, and Philippine native**
 27 **pig**

Lineage ¹	Haplotype	Substitution sites ²																																																
		1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5	6	6	6	6	7	7	9	9	9											
		2	9	1	4	4	8	9	1	2	4	4	6	7	9	0	0	0	2	5	9	0	4	5	7	0	3	4	6	7	3	5	5	9	0	4	5	6	9											
		4	0	5	3	4	1	5	4	2	0	8	7	9	4	1	2	6	3	4	1	5	3	2	4	1	5	2	0	5	9	7	8	2	2	1	3	6	0											
		G	G	C	T	.	C	G	T	A	T	G	C	C	G	C	A	T	T	T	C	T	A	T	C	G	G	A	C	G	A	C	A	G	G	A	C	G	A											
FWBL	FWB01	A	-	-	-	-	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
	FWB02	A	-	-	-	-	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	G	-	-	G	-	-	-	-	-	-	-	-	-	-	-									
	FWB03	-	-	-	-	-	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
	FWB04	-	-	-	-	-	-	-	-	-	-	-	T	-	-	-	-	-	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
	FWB05	-	-	-	-	-	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	-	-	-	C	-	-	-	-	T	-	G	-	-	-	-	-	-	-	-	-									
	FWB06	-	-	-	-	-	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	-	-	-	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	FWB07	-	-	-	-	-	-	-	-	-	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	FWB08	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	FWB09	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-						
	FWB10	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	FWB11	-	-	T	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	FWB12	-	-	T	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	FWB13	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	FWB14	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
	FWB15	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-				
	FWB16	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	FWB17	-	-	T	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	-			
	FWB18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-		
	FWB19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A	-

FWB20	- - - - - C - A - - - T - T
FWB21	- - - - - A -
FWB22	- A -
FWB23	- -
FWB24	- -
FWB25	- - - - - - - - - - - A -
FWB26	- - - - - - - - - - - A - G -
FWB27	- - - - - - - - - - - C - C - - - - - - - - - A - - - - -
FWB28	- C - - - - -
FWB29	- - - - - - - - - - - A - C - - - - - - - - - A - - - - -
FWB30	- - - - - T - C - - - - -
FWB31	- C - - - - -
FWB32	- G C - - - - -
<hr/>	
FWBLYL	FWBLY01 - A - - - T - - - - - - - T - T G C C - - - - - C - A A G T A - T - A - T - - T
	FWBLY02 - A - - - T - - - - - - - T - T G C - - - - - C - A A G T A - T G A A T - - T
	FWBLY03 - A - - - T - - - - - - - T - T G C C - - - - - C - A A G T A - T - A A T - - T
	FWBLY04 - A - - - T - - - - - - - T - T G C C - T - - - C - A A G T A - T - A A T - A T
	<hr/>
	LY01 - A - - - T - - - - - - - T - T G C C - T - - - C - A A G T A - T - A A T - A T
	LY02 - A - - - T - - - - - - - T A T G C C - T - - - C - A A G T A - T - A A T - A T
	LY03 ³ - A - - - T - - - - - - - T - T G C C - T - - - C - A A G T A - T - A A T - A T
	<hr/>
	PHLY01 - A - A - T - - - - - - - T - T G C C - - - - - C - A A G T A - T G A A T - A T
	PHLY02 - A - A A T - - - - - - - T - T G C C - - - - - C T A A G T A - T G A A T - A T

28 ¹FWBL: Formosan wild boar lineage; FWBLYL: Formosan wild boar with Lanyu sign lineage.

29 ²Substitution sites correspond to the sites of full control region sequence of Formosan wild boar (EU008084). Dashes (-) reveal the identical nucleotide with the
30 consensus sequence, and dots (.) indicate the indels. Plus signs (+) show the unique substitution sites of type I Lanyu (Wu et al., 2007a).

31 ³LY01 and LY03 haplotypes possess different type I Lanyu diagnostic motif repeat times (Table S4).

36 **Table S5. Geographical distribution of Formosan wild boar, Lanyu pig, and Philippine native pig haplotypes**

Lineage ¹	Haplotype	Population ²										Total
		A	B	C	D	E	F	TAPS	NTU	LYI	PH	
FWBL	FWB01	0	0	0	0	0	3	0	0	0	0	3
	FWB02	0	0	0	0	0	18	0	0	0	0	18
	FWB03	0	0	0	9	3	5	0	0	0	0	17
	FWB04	0	0	0	11	0	0	0	0	0	0	11
	FWB05	0	0	0	0	0	18	0	0	0	0	18
	FWB06	0	0	0	0	8	0	0	0	0	0	8
	FWB07	0	0	0	1	0	0	0	0	0	0	1
	FWB08	0	0	0	0	8	0	0	0	0	0	8
	FWB09	1	5	0	3	0	0	0	0	0	0	9
	FWB10	0	0	0	2	0	0	0	0	0	0	2
	FWB11	0	1	0	0	2	0	0	0	0	0	3
	FWB12	0	0	0	2	0	0	0	0	0	0	2
	FWB13	0	0	6	0	0	0	0	0	0	0	6
	FWB14	5	1	3	0	0	0	0	0	0	0	9
	FWB15	10	16	1	0	0	0	0	0	0	0	27
	FWB16	0	0	0	0	3	0	0	0	0	0	3
	FWB17	0	0	2	0	0	0	0	0	0	0	2
	FWB18	0	0	0	0	9	0	0	0	0	0	9
	FWB19	7	2	0	0	10	0	0	0	0	0	19
	FWB20	3	0	0	0	0	0	0	0	0	0	3
	FWB21	0	0	7	0	0	0	0	0	0	0	7
	FWB22	0	0	9	0	0	0	0	0	0	0	9
	FWB23	0	0	4	0	0	0	0	0	0	0	4
	FWB24	0	2	0	0	0	0	0	0	0	0	2
	FWB25	0	4	0	0	0	0	0	0	0	0	4

	FWB26	0	0	0	0	20	0	0	0	0	0	20
	FWB27	0	1	0	2	0	0	0	0	0	0	3
	FWB28	3	0	0	0	0	0	0	0	0	0	3
	FWB29	0	0	0	0	4	0	0	0	0	0	4
	FWB30	4	0	0	0	0	0	0	0	0	0	4
	FWB31	6	0	0	0	0	0	0	0	0	0	6
	FWB32	0	5	0	0	0	0	0	0	0	0	5
FWBLYL	FWBLY01	0	0	0	0	1	0	0	0	0	0	1
	FWBLY02	0	0	0	0	1	0	0	0	0	0	1
	FWBLY03	0	0	0	0	1	0	0	0	0	0	1
	FWBLY04	0	0	7	3	16	0	0	0	0	0	26
	LY01	0	0	0	0	0	0	42	5	4	0	51
	LY02	0	0	0	0	0	0	1	0	0	0	1
	LY03	0	0	0	0	0	0	5	0	0	0	5
	PHLY01	0	0	0	0	0	0	0	0	0	8	8
	PHLY02	0	0	0	0	0	0	0	0	0	2	2
	Sample size	39	37	39	33	86	44	48	5	4	4	345

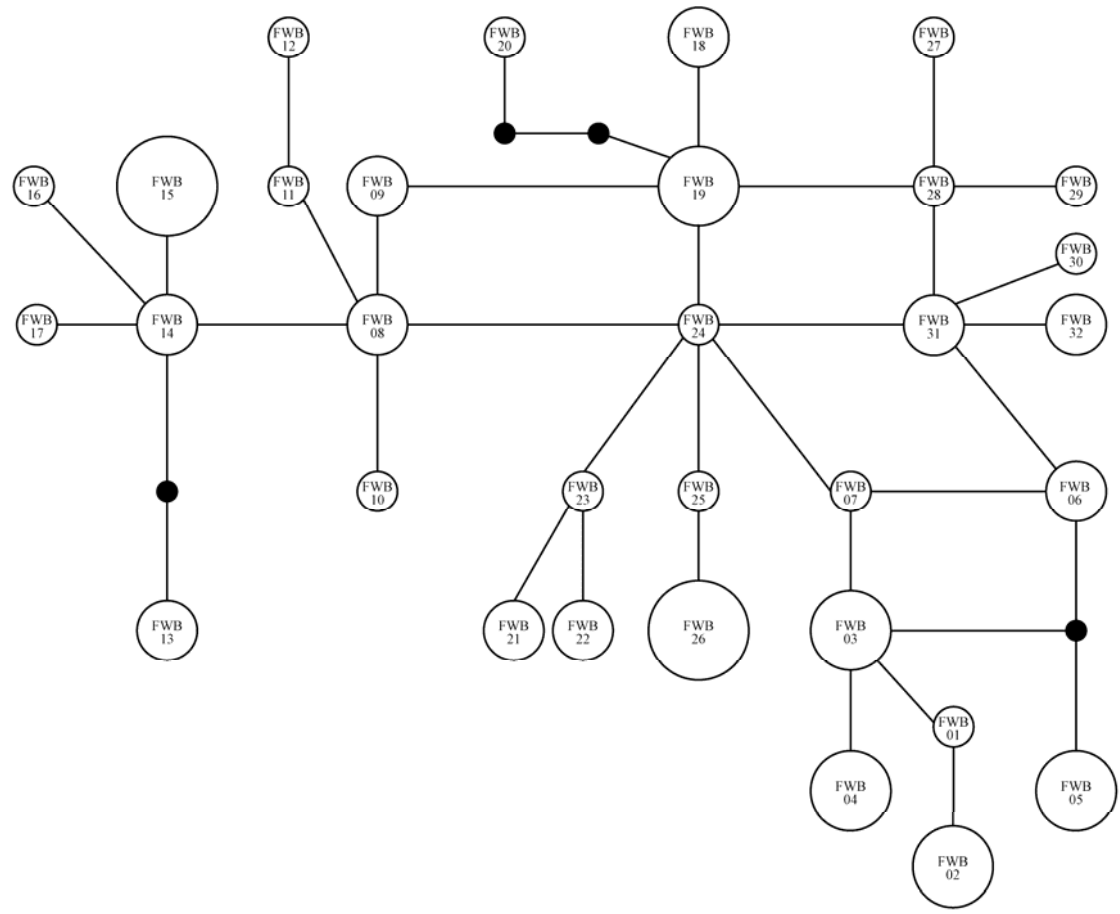
37 ¹FWBL: Formosan wild boar lineage; FWBLYL: Formosan wild boar with Lanyu sign lineage.

38 ²Locations of Populations A to F are showed in Fig. 1; TAPS: Taitung Animal Propagation Station; NTU: National Taiwan University; LYI: Lanyu Islet; PH:
39 Philippines.

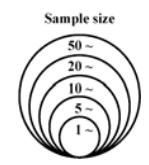
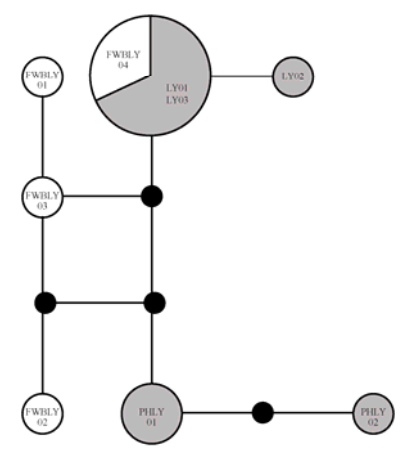
40 **Fig. S1**

41

(a) FWBL



(b) FWBLYL



42

43 Fig. S2



LITERATURE CITED

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