

**Mating of escaped domestic pigs with wild boar and possibility of their offspring migration
after the Fukushima Daiichi Nuclear Power Plant accident : Supplemental file**

Donovan Anderson, Rio Toma, Yuki Negishi, Kei Okuda, Hiroko Ishiniwa, Thomas G.
Hinton, Kenji Nanba, Hidetoshi B. Tamate, and Shingo Kaneko

Boar ID	Date Sampled	Locaton	GPS	
			LAT	Long
150713OW	7/13/15	Okuma	37.396393	140.959649
160531-1	5/31/16	Namie	37.568932	140.778014
160531-2	5/31/16	Namie	37.500294	140.945460
160531-3	5/31/16	Namie	37.464554	140.946247
160729B-1	7/29/16	Namie	37.551871	140.788174
161101B-2	11/1/16	Namie	37.465529	140.947112
20161126-1	11/26/16	Okuma	37.416058	140.995227
20161128O-207	11/28/16	Okuma	37.416058	140.995227
180530-C1	5/30/18	Nihonmatsu	37.53161	140.62490
180702-O2	7/2/18	Futaba	37.45207	140.98398
180704-O3	7/4/18	Namie	37.56214	140.7474972
180709-O1	7/9/18	Okuma	37.39566	141.00081
181005-O2	10/5/18	Nihonmatsu	37.55762	140.67138
181027-O2	10/27/18	Okuma	37.41645	140.99158
181027-O3	10/27/18	Okuma	37.41645	140.99158
181027-O4	10/27/18	Okuma	37.41645	140.99158
181027-O5	10/27/18	Okuma	37.41645	140.99158
181128-O2	11/28/18	Namie	37.50506	140.94531
150731Na	7/31/15	Okuma	37.30115	140.98129
150814NW	8/15/15	Nihonmatsu	37.562062	140.509395
151022MW	10/22/15	Namie	37.501782	140.946236
F14	1/11/09	Fukushima	37.371407	139.32505
160617B-1	6/16/17	Fukushima	37.704008	140.401985
160617B-2	6/16/17	Fukushima	37.704008	140.401985
161215T-1	12/15/16	Tochigi	36.439514	139.642847
161215T-2	12/15/16	Tochigi	36.439514	139.642847
151119NW1	11/19/15	Namie	37.496628	140.9619
151119NW2	11/19/15	Namie	37.496628	140.9619
140515	5/14/14	Fukushima	37.749246	140.4729678
140525B	5/25/14	Fukushima	37.735239	140.498299
140526B	5/26/14	Fukushima	37.735239	140.498299
140527B	5/27/14	Fukushima	37.735239	140.498299
140607B	6/7/14	Soma	37.819648	140.8880746
140616	6/16/14	Fukushima	37.735239	140.498299
150201	2/1/15	Soma	37.7973436	140.9188975
150203SW1	2/3/15	Soma	37.819648	140.8880746
150128NB	1/28/15	Namie	37.478359	140.977474
150502SW	5/5/15	Soma	37.7973436	140.9188975
150504SW2	5/4/15	Soma	37.7973436	140.9188975
150504SW	5/4/15	Soma	37.783438	140.699192
150506SW	5/6/15	Soma	37.783438	140.699192
150510SW	5/10/15	Fukushima	37.7785	140.827384

150510SW2	5/10/15	Fukushima	37.776257	140.87701
150711NW1	7/11/15	Nihonmatsu	37.55894	140.514305
150711NW2	7/11/15	Nihonmatsu	37.55894	140.514305
150730OW	7/30/15	Okuma	37.396393	140.959649
151119NW3	11/19/15	Namie	37.470003	140.94042
151119NW4	11/19/15	Namie	37.470003	140.94042
151218NW1	12/18/15	Namie	37.506008	140.903405
151218NW2	12/18/15	Namie	37.473344	140.969423
151222NW1	12/22/15	Namie	37.491431	140.978599
151222NW2	12/22/15	Namie	37.493705	141.0005899
160126NW	1/26/16	Namie	37.493705	141.0005899
160126NW2	1/26/16	Namie	37.493705	141.0005899
160315NW	3/15/16	Namie	37.491431	140.978599
160409-1	4/9/16	Nihonmatsu	37.534089	140.589689
160409-2	4/9/16	Nihonmatsu	37.5444946	140.607215
160409-3	4/9/16	Nihonmatsu	37.5247486	140.608102
160726B-3	7/26/16	Okuma	37.4000278	140.9892444
160726B-4	7/26/16	Okuma	37.4000278	140.9892444
160728B-1	7/28/16	Katsurao	37.528640	140.798470
160731B-4	7/31/16	Namie	37.479347	140.981908
160731B-5	7/31/16	Namie	37.497798	141.014968
160603-E	6/3/16	Namie	37.523055	140.931445
160801B-1	8/1/16	Okuma	37.395130	140.973570
160801B-2	8/1/16	Tomiooka	37.362790	140.996390
160801B-3	8/1/16	Fukushima	37.748730	140.490098
160916B	9/16/16	Nihonmatsu	37.566058	140.672044
160917B-2	9/17/16	Nihonmatsu	37.560993	140.658546
160917B-3	9/17/16	Nihonmatsu	37.560993	140.658546
160918B-1	9/18/16	Fukushima	37.744412	140.504675
160918B-2	9/18/16	Nihonmatsu	37.539503	140.628628
160918B-3	9/18/16	Nihonmatsu	37.536500	140.627664
160919B-1	9/19/16	Nihonmatsu	37.534920	140.589073
160919B-2	9/19/16	Nihonmatsu	37.542977	140.612194
160920B-1	9/20/16	Namie	37.465529	140.947112
160926B	9/26/16	Nihonmatsu	37.562062	140.509395
160928B	9/28/16	Nihonmatsu	37.562445	140.51106
161004B-4	10/4/16	Namie	37.480657	140.940891
161004B-5	10/4/16	Namie	37.480657	140.940891
161004B-6	10/4/16	Namie	37.480657	140.940891
161004B-7	10/4/16	Namie	37.480657	140.940891
140602SW	6/2/14	Fukushima	37.735239	140.498299
140721B-2	7/21/14	Soma	37.7973436	140.9188975
150108W	1/8/15	Fukushima	37.735239	140.498299
150203SW2	2/3/15	Soma	37.819648	140.8880746
151020IW	10/20/15	Nihonmatsu	37.535223	140.590019
151021IW	10/21/15	Nihonmatsu	37.540731	140.609687
151022GW	10/22/15	Namie	37.508634	140.931026
151022GW2	10/22/15	Namie	37.479072	140.979392

160607B-1	6/6/16	Namie	37.508634	140.931026
160610B-3	6/10/16	Namie	37.479072	140.979392
160621B-3	6/21/16	Namie	37.510019	140.935489
160719B-1	7/19/16	Namie	37.465361	140.943151
160720B-1	7/20/16	Fukushima	37.761529	140.501009
160720B-2	7/20/16	Fukushima	37.761529	140.501009
160720B-3	7/20/16	Fukushima	37.761529	140.501009
160720B-4	7/20/16	Fukushima	37.761529	140.501009
160720B-5	7/20/16	Fukushima	37.761529	140.501009
160720B-8	7/20/16	Fukushima	37.761529	140.501009
160720B-9	7/20/16	Fukushima	37.761529	140.501009
160720B-10	7/20/16	Fukushima	37.761529	140.501009
160720B-11	7/20/16	Fukushima	37.761529	140.501009
160722B-1	7/22/16	Namie	37.5052778	140.925
160720B-7	7/20/16	Fukushima	37.761529	140.501009
160919B-2	9/19/16	Nihonmatsu	37.542977	140.612194
161025B	10/25/18	Okuma	37.443004	141.007252
161101B-1	11/1/16	Namie	37.507298	140.932306
161101B-3	11/1/16	Namie	37.478359	140.977474
161101B-3	11/1/16	Namie	37.478359	140.977474
161111B-2	11/11/16	Namie	37.465529	140.947112
161111B-3	11/11/16	Namie	37.465529	140.947112
161111B-4	11/11/16	Namie	37.465529	140.947112
161111B-6	11/11/16	Namie	37.465529	140.947112
160917B-1	9/17/16	Nihonmatsu	37.47259	140.648111
161025O-174	10/25/16	Okuma	37.414074	140.987373
161026O-175	10/26/16	Okuma	37.393047	140.997004
161026O-176	10/26/16	Okuma	37.393047	140.997004
161026O-177	10/26/16	Okuma	37.393047	140.997004
161117O-198	11/17/16	Okuma	37.408544	140.975109
20161126F-109	11/26/16	Futaba	37.470056	140.994922
20161128O-206	11/28/16	Okuma	37.399016	140.971983
161130-2	11/30/16	Okuma	37.399016	140.971983
161130-3	11/30/16	Okuma	37.384897	141.009965
161130-4	11/30/16	Okuma	37.384897	141.009965
161206O-229	12/6/16	Okuma	37.390051	140.998834
161213O-246	12/13/16	Okuma	37.384897	141.009965
161213PF26	12/13/16	Futaba	37.459737	141.029345
O-150	10/12/16	Okuma	37.400028	140.989244
TS-24	11/28/16	Namie	37.56192	140.746675
161216BO-247	12/16/16	Okuma	37.414776	140.944361
161208O-237	12/8/16	Okuma	37.390051	140.998834
161208O-239	12/8/16	Okuma	37.408544	140.975109
161208O-240	12/8/16	Okuma	37.408544	140.975109
161208O-242	12/8/16	Okuma	37.384897	141.009965
170113TB-1	1/13/17	Tochigi	36.448364	139.649656
170113TB-2	1/13/17	Tochigi	36.448364	139.649656
170121B-1 O-266	1/21/17	Okuma	37.384897	141.009965

170121B-2 O-267	1/21/17	Okuma	37.384897	141.009965
170926B-4	9/26/17	Okuma	37.38489	141.01008
170926B F-103	9/26/17	Futaba	37.44469	140.987717
170926B F-104	9/26/17	Futaba	37.44469	140.987717
170926B F-105	9/26/17	Futaba	37.44469	140.987717
170926B F-106	9/26/17	Futaba	37.44469	140.987717
170926B T-21	9/26/17	Tomioka	37.340597	140.973536
170926B T-22	9/26/17	Tomioka	37.340597	140.973536
170927B-1	9/27/17	Futaba	37.43066	140.99888
170928B-5 F108	9/28/17	Futaba	37.44469	140.987717
170928B-4 F109	9/28/17	Futaba	37.44469	140.987717
170928B-6 F110	9/28/17	Futaba	37.44469	140.987717
170928B-3 O-110	9/28/17	Okuma	37.402721	140.931879
170928B-2 O-111	9/28/17	Okuma	37.402721	140.931879
170928B-1 O-112	9/28/17	Okuma	37.402721	140.931879
170929B-1 F-111	9/28/17	Futaba	37.44469	140.987717
Wednesday, September 26, 2007	9/26/07	Miyagi	38.20607	140.657342
Friday, August 31, 2007	8/31/07	Miyagi	37.980507	140.829663
Wednesday, September 26, 2007	9/26/07	Miyagi	37.942444	140.773731
Sunday, September 16, 2007	9/16/07	Miyagi	37.917442	140.821556
Tuesday, October 30, 2007	10/30/07	Miyagi	37.97902	140.827388
Saturday, October 13, 2007	10/13/07	Miyagi	37.860541	140.834759
Monday, October 1, 2007	10/1/07	Miyagi	37.85977	140.727458
Wednesday, October 3, 2007	10/3/07	Miyagi	37.862087	140.837674
Saturday, October 20, 2007	10/20/07	Miyagi	38.002148	140.657038
Sunday, November 25, 2007	11/25/07	Miyagi	37.940441	140.861311
Wednesday, November 21, 2007	11/21/07	Miyagi	38.034768,	140.724832
Friday, November 23, 2007	11/23/07	Miyagi	37.936217	140.67745
Wednesday, November 21, 2007	11/21/07	Miyagi	37.919597	140.643785
Wednesday, January 30, 2008	1/30/08	Miyagi	38.231303	140.703927
Saturday, February 2, 2008	2/2/08	Miyagi	38.231303	140.703927
Sunday, December 9, 2007	12/9/07	Miyagi	37.942231	140.868265
Friday, February 8, 2008	2/8/08	Miyagi	38.068945	140.594536
Thursday, February 21, 2008	2/21/08	Miyagi	37.919089	140.588065
Thursday, October 9, 2008	10/9/08	Miyagi	38.232918	140.716632
Thursday, August 14, 2008	8/14/08	Miyagi	37.919256	140.647861
Friday, September 12, 2008	9/12/08	Miyagi	37.931974	140.689212
Tuesday, September 16, 2008	9/16/08	Miyagi	37.876862	140.76097
Tuesday, September 9, 2008	9/9/08	Miyagi	37.905818	140.679528
Monday, September 8, 2008	9/8/08	Miyagi	37.924608	140.780611
Tuesday, September 9, 2008	9/9/08	Miyagi	38.01441	140.640384
Sunday, September 7, 2008	9/7/08	Miyagi	38.01441	140.640384
Friday, August 29, 2008	8/29/08	Miyagi	37.983619	140.831123
Sunday, August 24, 2008	8/24/08	Miyagi	38.02183	140.709601
Tuesday, June 24, 2008	6/24/08	Miyagi	38.128646	140.652416
Sunday, August 31, 2008	8/31/08	Miyagi	38.059892	140.583715
Tuesday, March 16, 2010	3/16/10	Miyagi	38.121091	140.742262
Friday, August 27, 2010	8/27/10	Miyagi	38.035212	140.705883

Friday, January 2, 2009	1/2/09	Yamagata	38.323177	140.383509
Wednesday, July 30, 2008	7/30/08	Yamagata	38.037899	140.25432
Sunday, January 29, 2006	1/29/06	Yamagata	38.545122	140.427827
Tuesday, July 22, 2008	7/22/08	Fukushima	37.409604	139.871889
Wednesday, March 19, 2008	3/19/08	Fukushima	37.2807	140.470144
Wednesday, August 27, 2008	8/27/08	Fukushima	37.795945	140.878681
180526-C1	5/26/18	Nihonmatsu	37.58291	140.59495
180526-C2	5/26/18	Nihonmatsu	37.58567	140.59799
180526-C3	5/26/18	Nihonmatsu	37.64065	140.54304
180528-C1	5/28/18	Nihonmatsu	37.62552	140.56400
180528-C2	5/28/18	Nihonmatsu	37.61360	140.58242
180601-C1	6/1/18	Nihonmatsu	37.60494	140.60372
180602-C1	6/2/18	Nihonmatsu	37.56360	140.63313
180604-C1	6/4/18	Nihonmatsu	37.61154	140.59276
180604-C2	6/4/18	Nihonmatsu	37.64141	140.55642
180607-N1	6/7/18	Namie	37.47842	140.98401
180612-C1	6/12/18	Nihonmatsu	37.58072	140.68183
180614-N1	6/14/18	Namie	37.47010	140.97720
180618-N1	6/18/18	Namie	37.46536	140.92337
180618-N2	6/18/18	Namie	37.47069	140.93422
180618-N3	6/18/18	Namie	37.47846	140.98405
180625-N1	6/25/18	Namie	37.46273	140.92229
180625-N2	6/25/18	Namie	37.46539	140.92339
180625-N3	6/25/18	Namie	37.47285	140.93721
180626-N1	6/26/18	Namie	37.47404	140.96748
180627-C1	6/27/18	Nihonmatsu	37.58633	140.59727
180627-C2	6/28/18	Nihonmatsu	37.58599	140.59798
180629-N1	6/29/18	Namie	37.46273	140.92229
180629-N2	6/29/18	Namie	37.46983	140.97787
180629-N3	6/29/18	Namie	37.47069	140.93422
180629-N4	6/29/18	Namie	37.47434	140.94080
180702-O1	7/2/18	Okuma	37.39314	140.99727
180703-O1	7/3/18	Okuma	37.40044	140.98030
180703-O2	7/3/18	Futaba	37.42617	140.97383
180704-O1	7/4/18	Okuma	37.39168	141.02210
180704-O2	7/4/18	Futaba	37.45594	141.00273
180704-O2_P1	7/4/18	Futaba	37.45594	141.00273
180704-O2_P2	7/4/18	Futaba	37.45594	141.00273
180704-O2_P3	7/4/18	Futaba	37.45594	141.00273
180704-O2_P4	7/4/18	Futaba	37.45594	141.00273
180706-N1	7/6/18	Namie	37.49091	140.93294
180706-N2	7/6/18	Namie	37.48486	140.94446
180707-O1	7/7/18	Okuma	37.40005	140.98935
180709-N1	7/9/18	Namie	37.51989	140.81693
180709-N1_P1	7/9/18	Namie	37.51989	140.81693
180709-N1_P2	7/9/18	Namie	37.51989	140.81693
180709-N1_P3	7/9/18	Namie	37.51989	140.81693
181004-O2	10/4/18	Futaba	37.44757	141.00696

181005-O1	10/5/18	Nihonmatsu	37.33038	141.23210
181006-O4	10/6/18	Nihonmatsu	37.32406	141.24639
181006-O2	10/6/18	Nihonmatsu	37.31774	141.26068
181017-O1	10/17/18	Okuma	37.39104	140.97245
181018-O1	10/18/18	Futaba	37.45054	140.97338
181018-O3	10/18/18	Futaba	37.44852	141.01147
181018-O4	10/18/18	Futaba	37.45240	141.01188
181018-O5	10/18/18	Futaba	37.44852	141.01147
181018-O6	10/18/18	Okuma	37.40854	140.97512
181018-O7	10/18/18	Okuma	37.41645	140.98881
181019-O1	10/19/18	Okuma	37.40588	140.99158
181020-O1	10/20/18	Okuma	37.44751	141.00710
181022-O1	10/22/18	Okuma	37.40588	140.99158
181022-O2	10/22/18	Okuma	37.39788	140.99403
181022-O3	10/22/18	Futaba	37.45240	141.00617
181022-O4	10/22/18	Futaba	37.44412	140.99710
181023-O1	10/22/18	Tomioka	37.37040	141.03414
181024-O1	10/24/18	Okuma	37.41354	140.98786
181024-O2	10/24/18	Okuma	37.40601	140.98786
181024-O3	10/24/18	Okuma	37.40649	140.97299
181024-O4	10/24/18	Futaba	37.46784	140.98933
181025-O1	10/25/18	Okuma	37.40588	140.99158
181027-O1	10/27/18	Futaba	37.44306	140.99483
181029-O1	10/29/18	Tomioka	37.36706	141.03057
181029-O2	10/29/18	Tomioka	37.36706	141.03057
181029-O3	10/29/18	Okuma	37.40562	140.99069
181029-O4	10/29/18	Okuma	37.38414	141.00950
181029-O5	10/29/18	Okuma	37.38785	140.99272
181030-O1	10/30/18	Okuma	37.42089	141.01190
181030-O2	10/30/18	Okuma	37.38769	140.99859
181030-O3	10/30/18	Tomioka	37.35632	141.00368
181031-O1	10/31/18	Okuma	37.40533	140.98400
181031-O2	10/31/18	Tomioka	37.36355	141.00608
181101-O1	11/1/18	Okuma	37.42082	141.01201
181105-O1	11/5/18	Futaba	37.43066	140.99888
181105-O2	11/5/18	Futaba	37.43066	140.99888
181105-O3	11/5/18	Futaba	37.43066	140.99888
181105-O4	11/5/18	Futaba	37.46069	140.99268
181105-O5	11/5/18	Futaba	37.46069	140.99268
181105-O6	11/5/18	Okuma	37.39421	141.00413
181106-O1	11/6/18	Okuma	37.41636	140.99569
181106-O2	11/6/18	Futaba	37.43019	140.98796
181107-O1	11/7/18	Futaba	37.46403	140.97331
181107-O2	11/7/18	Futaba	37.46403	140.97331
181108-O1	11/8/18	Katsurao	37.51463	140.83063
181108-O2	11/8/18	Futaba	37.46012	141.01546
181108-O3	11/8/18	Tomioka	37.36992	141.00054
181109-O1	11/9/18	Okuma	37.39603	141.00072

181109-O1	11/9/18	Tomioka	37.36992	141.00054
181112-O1	11/12/18	Okuma	37.41636	140.995689
181112-O2	11/12/18	Okuma	37.39763	140.972983
181113-O1	11/13/18	Okuma	37.40588	140.99158
181113-O2	11/13/18	Okuma	37.38889	141.00410
181113-O3	11/13/18	Futaba	37.44409	141.00461
181113-O4	11/13/18	Namie	37.48155	140.94243
181114-O1	11/14/18	Okuma	37.38889	141.00410
181114-O2	11/14/18	Okuma	37.38889	141.00410
181114-O3	11/14/18	Okuma	37.38117	141.01386
181115-O1	11/15/18	Tomioka	37.36409	141.00991
181115-O2	11/15/18	Tomioka	37.36498	141.00980
181115-O3	11/15/18	Futaba	37.45821	141.00376
181116-O1	11/16/18	Namie	37.46644	140.94704
181117-O1	11/17/18	Futaba	37.46263	141.00484
181117-O2	11/17/18	Futaba	37.46263	141.00484
181117-O3	11/17/18	Futaba	37.43066	140.99888
181117-O4	11/17/18	Namie	37.46574	140.95640
181117-O5	11/17/18	Namie	37.50506	140.94531
181119-O1	11/19/18	Tomioka	37.36409	141.00991
181119-O2	11/19/18	Okuma	37.40838	140.95689
181119-O3	11/19/18	Futaba	37.46464	140.99466
181119-O4	11/19/18	Futaba	37.43066	140.99888
181119-O5	11/19/18	Futaba	37.44871	141.01962
181119-O6	11/19/18	Futaba	37.43066	140.99888
181121-O1	11/21/18	Katsurao	37.5229	140.8133
181121-O2	11/21/18	Katsurao	37.51874	140.82133
181121-O3	11/21/18	Okuma	37.39421	141.00413
181121-O4	11/21/18	Okuma	37.40396	140.98682
181122-O1	11/22/18	Namie	37.48920	140.94244
181122-O2	11/22/18	Futaba	37.46403	140.97331
181124-O1	11/24/18	Futaba	37.44361	140.98507
181124-O2	11/24/18	Futaba	37.44361	140.98507
181124-O3	11/24/18	Okuma	37.41600	140.99514
181126-O1	11/26/18	Namie	37.46574	140.95640
181126-O2	11/26/18	Namie	37.45831	140.94283
181126-O3	11/26/18	Namie	37.45831	140.94283
181126-O4	11/26/18	Tomioka	37.35626	141.02689
181126-O5	11/26/18	Namie	37.48155	140.94243
181127-O1	11/27/18	Okuma	37.38258	141.00663
181127-O2	11/27/18	Okuma	37.38258	141.00663
181127-O3	11/27/18	Okuma	37.40356	140.98143
181127-O4	11/27/18	Tomioka	37.36506	141.02599
181128-O1	11/28/18	Okuma	37.39689	140.98842
Tuesday, October 30, 2007	10/30/07	Miyagi	37.984304	140.831674
Sunday, November 18, 2007	11/18/07	Miyagi	37.983938	140.762819
Thursday, February 14, 2008	2/14/08	Miyagi	38.353915	140.678179
F1	12/15/07	Fukushima	37.53221	140.556874

S2	2/7/11	Yamagata	38.054387	140.146612
y1	12/27/07	Yamagata	38.124723	140.293803
soumaI	5/8/08	Fukushima	37.734793	140.638163
140528B	5/28/14	Fukushima	37.749246	140.4729678
161022OT-33	10/22/16	Okuma	37.388383	140.968505
180626-N3	6/26/18	Namie	37.4720652	140.9423861
181017-O1	10/17/18	Okuma	37.39104	140.97245
181018-O2	10/18/18	Futaba	37.43622	140.97741