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**African Swine Fever (ASF) diagnosis and molecular characterization
REPORT ISSUED BY THE EUROPEAN UNION REFERENCE LABORATORY FOR AFRICAN
SWINE FEVER (EURL-ASF). INIA-CISA**

DATE: April 5th, 2018.

ARRIVAL DATE TO CISA: December 13th, 2017.

RESPONSIBLE FOR SUBMISSION:

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Num. ARRIVAL REGISTER CISA: REG. 223/2017.

TEST REQUESTED: African swine fever (ASF) confirmatory diagnosis and molecular characterization.

Num. SAMPLES RECEIVED: 592 samples: 446 from 152 wild boar comprising 115 tissues, 1 muscle, 66 homogenate of tissues, 1 clotted blood, 54 sera and 209 DNAs (50 of them diluted 1/10); 146 samples from 69 domestic pig, comprising 12 tissues, 2 homogenate of tissues, 19 homogenate of clotted blood, 43 sera, 1 blood with EDTA and 69 DNAs (**table 1**):

Table 1 → Identification of the samples received from the NVRI							
HOST	Animals received	Sample ID CISA	Sample laboratory code			TYPE SAMPLE RECEIVED	
			Id code in Poland's NRL		Sampling localization		
WILD BOAR	18436/16	1	CASE 106	18436	Hajnówka	HOMOGENATE	BONE MARROW
WILD BOAR	18436/16	2	CASE 106	18436	Hajnówka	DNA	BONE MARROW
WILD BOAR	18436/16	3	CASE 106	18436	Hajnówka	DNA 1/10	BONE MARROW
WILD BOAR	18437/16	4	CASE 106	18437	Hajnówka	HOMOGENATE	BONE MARROW
WILD BOAR	18437/16	5	CASE 106	18437	Hajnówka	DNA	BONE MARROW
WILD BOAR	18437/16	6	CASE 106	18437	Hajnówka	DNA 1/10	BONE MARROW
WILD BOAR	10674/17	7	CASE 252	10674	Stara Kornica	TISSUE	BONE MARROW
WILD BOAR	10674/17	8	CASE 252	10674	Stara Kornica	HOMOGENATE	BONE MARROW
WILD BOAR	10674/17	9	CASE 252	10674	Stara Kornica	DNA	BONE MARROW
WILD BOAR	10674/17	10	CASE 252	10674	Stara Kornica	DNA 1/10	BONE MARROW
WILD BOAR	10883-2/17	11	CASE 253	10883 WILD BOAR number 2	Kleszczele	BLOOD	SERUM



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HOST	Animals received	Sample ID CISA	Sample laboratory code			TYPE SAMPLE RECEIVED	
WILD BOAR	11081/17	12	CASE 255	11081	Sarnaki	TISSUE	BONE MARROW
WILD BOAR	11081/17	13	CASE 255	11081	Sarnaki	HOMOGENATE	BONE MARROW
WILD BOAR	11081/17	14	CASE 255	11081	Sarnaki	DNA	BONE MARROW
WILD BOAR	11081/17	15	CASE 255	11081	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	11183/17	16	CASE 254	11183	Konstantynów.	TISSUE	BONE MARROW
WILD BOAR	11183/17	17	CASE 254	11183	Konstantynów.	HOMOGENATE	BONE MARROW
WILD BOAR	11183/17	18	CASE 254	11183	Konstantynów.	DNA	BONE MARROW
WILD BOAR	11183/17	19	CASE 254	11183	Konstantynów.	DNA 1/10	BONE MARROW
WILD BOAR	11078/17	20	CASE 258	11078	Sarnaki	TISSUE	SPLEEN
WILD BOAR	11078/17	21	CASE 258	11078	Sarnaki	DNA	SPLEEN
WILD BOAR	11078/17	22	CASE 258	11078	Sarnaki	TISSUE	KIDNEY
WILD BOAR	11078/17	23	CASE 258	11078	Sarnaki	DNA	KIDNEY
WILD BOAR	11181-3/17	24	CASE 259	11181 WILD BOAR number 4	Zalesie	BLOOD	SERUM
WILD BOAR	11181-3/17	25	CASE 259	11181 WILD BOAR number 4	Zalesie	DNA	SERUM
WILD BOAR	11181-4/17	26	CASE 259	11182 WILD BOAR number 3	Zalesie	BLOOD	SERUM
WILD BOAR	11181-4/17	27	CASE 259	11182 WILD BOAR number 3	Zalesie	DNA	SERUM
WILD BOAR	11182/17	28	CASE 257	11182	Konstantynów	TISSUE	BONE MARROW
WILD BOAR	11182/17	29	CASE 257	11182	Konstantynów	HOMOGENATE	BONE MARROW
WILD BOAR	11182/17	30	CASE 257	11182	Konstantynów	DNA	BONE MARROW
WILD BOAR	11182/17	31	CASE 257	11182	Konstantynów	DNA 1/10	BONE MARROW
WILD BOAR	11184/17	32	CASE 256	11184	Biała Podlaska	BLOOD	SERUM
WILD BOAR	11184/17	33	CASE 256	11184	Biała Podlaska	DNA	SERUM
WILD BOAR	11609/17	34	CASE 260	11609	Sarnaki	TISSUE	BONE MARROW
WILD BOAR	11609/17	35	CASE 260	11609	Sarnaki	HOMOGENATE	BONE MARROW
WILD BOAR	11609/17	36	CASE 260	11609	Sarnaki	DNA	BONE MARROW
WILD BOAR	11609/17	37	CASE 260	11609	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	11610/17	38	CASE 261	11610	Sarnaki	TISSUE	BONE MARROW
WILD BOAR	11610/17	39	CASE 261	11610	Sarnaki	HOMOGENATE	BONE MARROW
WILD BOAR	11610/17	40	CASE 261	11610	Sarnaki	DNA	BONE MARROW
WILD BOAR	11610/17	41	CASE 261	11610	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	11611/17	42	CASE 262	11611	Sarnaki	TISSUE	BONE MARROW
WILD BOAR	11611/17	43	CASE 262	11611	Sarnaki	HOMOGENATE	BONE MARROW
WILD BOAR	11611/17	44	CASE 262	11611	Sarnaki	DNA	BONE MARROW
WILD BOAR	11611/17	45	CASE 262	11611	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	11613/17	46	CASE 263	11613	Stara Kornica	TISSUE	BONE MARROW
WILD BOAR	11613/17	47	CASE 263	11613	Stara Kornica	HOMOGENATE	BONE MARROW
WILD BOAR	11613/17	48	CASE 263	11613	Stara Kornica	DNA	BONE MARROW
WILD BOAR	11613/17	49	CASE 263	11613	Stara Kornica	DNA 1/10	BONE MARROW
WILD BOAR	11614/17	50	CASE 264	11614	Sarnaki	TISSUE	BONE MARROW
WILD BOAR	11614/17	51	CASE 264	11614	Sarnaki	HOMOGENATE	BONE MARROW
WILD BOAR	11614/17	52	CASE 264	11614	Sarnaki	DNA	BONE MARROW
WILD BOAR	11614/17	53	CASE 264	11614	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	11730-2/17	54	CASE 265	11730 WILD BOAR number 2	Czyże	BLOOD	SERUM
WILD BOAR	11860-2/17	55	CASE 266	11860 WILD BOAR number 2	Zalesie	BLOOD	SERUM
WILD BOAR	11860-2/17	56	CASE 266	11860 WILD BOAR number 2	Zalesie	DNA	SERUM
WILD BOAR	12004/17	57	CASE 267	12004	Goniądz	TISSUE	SPLEEN
WILD BOAR	12004/17	58	CASE 267	12004	Goniądz	DNA	SPLEEN
WILD BOAR	12004/17	59	CASE 267	12004	Goniądz	TISSUE	LYMPH NODE
WILD BOAR	12004/17	60	CASE 267	12004	Goniądz	DNA	LYMPH NODE
WILD BOAR	12124/17	61	CASE 268	12124	Janów Podlaski	BLOOD	SERUM
WILD BOAR	12124/17	62	CASE 268	12124	Janów Podlaski	DNA	SERUM
WILD BOAR	12372-2/17	63	CASE 269	12372 WILD BOAR number 2	Siemiatycze	BLOOD	SERUM
WILD BOAR	12410/17	64	CASE 270	12410	Biała Podlaska	CLOT	CLOT
WILD BOAR	12410/17	65	CASE 270	12410	Biała Podlaska	HOMOGENATE	CLOT



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HOST	Animals received	Sample ID CISA	Sample laboratory code		TYPE SAMPLE RECEIVED		
WILD BOAR	12410/17	66	CASE 270	12410	Biała Podlaska	DNA	CLOT
WILD BOAR	12456/17	67	CASE 272	12456	Rokitno	TISSUE	LYMPH NODE
WILD BOAR	12456/17	68	CASE 272	12456	Rokitno	HOMOGENATE	LYMPH NODE
WILD BOAR	12456/17	69	CASE 272	12456	Rokitno	DNA	LYMPH NODE
WILD BOAR	12455/17	70	CASE 271	12455	Janów Podlaski	TISSUE	BONE MARROW
WILD BOAR	12455/17	71	CASE 271	12455	Janów Podlaski	HOMOGENATE	BONE MARROW
WILD BOAR	12455/17	72	CASE 271	12455	Janów Podlaski	DNA	BONE MARROW
WILD BOAR	12455/17	73	CASE 271	12455	Janów Podlaski	DNA 1/10	BONE MARROW
WILD BOAR	12669/17	74	CASE 273	12669	Stara Kornica	TISSUE	SPLEEN
WILD BOAR	12669/17	75	CASE 273	12669	Stara Kornica	DNA	SPLEEN
WILD BOAR	12669/17	76	CASE 273	12669	Stara Kornica	TISSUE	KIDNEY
WILD BOAR	12669/17	77	CASE 273	12669	Stara Kornica	DNA	KIDNEY
WILD BOAR	12917/17	78	CASE 275	12917	Zalesie	TISSUE	BONE MARROW
WILD BOAR	12917/17	79	CASE 275	12917	Zalesie	HOMOGENATE	BONE MARROW
WILD BOAR	12917/17	80	CASE 275	12917	Zalesie	DNA	BONE MARROW
WILD BOAR	12917/17	81	CASE 275	12917	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	12918-2/17	82	CASE 274	12918 WILD BOAR number 2	Zalesie	BLOOD	SERUM
WILD BOAR	12918-2/17	83	CASE 274	12918 WILD BOAR number 2	Zalesie	DNA	SERUM
WILD BOAR	13259-18/17	84	CASE 276	13259 WILD BOAR number 18	Janów Podlaski	BLOOD	SERUM
WILD BOAR	13333/17	85	CASE 277	13333	Sarnaki	TISSUE	BONE MARROW
WILD BOAR	13333/17	86	CASE 277	13333	Sarnaki	HOMOGENATE	BONE MARROW
WILD BOAR	13333/17	87	CASE 277	13333	Sarnaki	DNA	BONE MARROW
WILD BOAR	13333/17	88	CASE 277	13333	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	13334/17	89	CASE 277	13334	Sarnaki	TISSUE	SPLEEN
WILD BOAR	13334/17	90	CASE 277	13334	Sarnaki	DNA	SPLEEN
WILD BOAR	13334/17	91	CASE 277	13334	Sarnaki	TISSUE	KIDNEY
WILD BOAR	13334/17	92	CASE 277	13334	Sarnaki	DNA	KIDNEY
WILD BOAR	13335/17	93	CASE 277	13335	Sarnaki	TISSUE	SPLEEN
WILD BOAR	13335/17	94	CASE 277	13335	Sarnaki	DNA	SPLEEN
WILD BOAR	13335/17	95	CASE 277	13335	Sarnaki	TISSUE	KIDNEY
WILD BOAR	13335/17	96	CASE 277	13335	Sarnaki	DNA	KIDNEY
WILD BOAR	13336/17	97	CASE 277	13336	Sarnaki	TISSUE	SPLEEN
WILD BOAR	13336/17	98	CASE 277	13336	Sarnaki	DNA	SPLEEN
WILD BOAR	13336/17	99	CASE 277	13336	Sarnaki	TISSUE	KIDNEY
WILD BOAR	13336/17	100	CASE 277	13336	Sarnaki	DNA	KIDNEY
WILD BOAR	13337/17	101	CASE 277	13337	Sarnaki	TISSUE	SPLEEN
WILD BOAR	13337/17	102	CASE 277	13337	Sarnaki	DNA	SPLEEN
WILD BOAR	13337/17	103	CASE 277	13337	Sarnaki	TISSUE	KIDNEY
WILD BOAR	13337/17	104	CASE 277	13337	Sarnaki	DNA	KIDNEY
WILD BOAR	13338/17	105	CASE 277	13338	Sarnaki	TISSUE	SPLEEN
WILD BOAR	13338/17	106	CASE 277	13338	Sarnaki	DNA	SPLEEN
WILD BOAR	13338/17	107	CASE 277	13338	Sarnaki	TISSUE	KIDNEY
WILD BOAR	13338/17	108	CASE 277	13338	Sarnaki	DNA	KIDNEY
WILD BOAR	13707/17	109	CASE 278	13707	Mielnik	TISSUE	SPLEEN
WILD BOAR	13707/17	110	CASE 278	13707	Mielnik	DNA	SPLEEN
WILD BOAR	13707/17	111	CASE 278	13707	Mielnik	TISSUE	LYMPH NODE
WILD BOAR	13707/17	112	CASE 278	13707	Mielnik	DNA	LYMPH NODE
WILD BOAR	14077-2/17	113	CASE 279	14077 WILD BOAR number 2	Janów Podlaski	BLOOD	SERUM
WILD BOAR	14077-2/17	114	CASE 279	14077 WILD BOAR number 2	Janów Podlaski	DNA	SERUM
WILD BOAR	14077-3/17	115	CASE 280	14077 WILD BOAR number 3	Biała Podlaska	BLOOD	SERUM
WILD BOAR	14077-3/17	116	CASE 280	14077 WILD BOAR number 3	Biała Podlaska	DNA	SERUM
WILD BOAR	14274/17	117	CASE 281	14274	Sarnaki	TISSUE	SPLEEN
WILD BOAR	14274/17	118	CASE 281	14274	Sarnaki	DNA	SPLEEN
WILD BOAR	14274/17	119	CASE 281	14274	Sarnaki	TISSUE	LYMPH NODE



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WILD BOAR	14274/17	120	CASE 281	14274	Sarnaki	DNA	LYMPH NODE
WILD BOAR	14369-9/17	121	CASE 282	14369 WILD BOAR number 9	Radziłów	BLOOD	SERUM
WILD BOAR	14369-9/17	122	CASE 282	14369 WILD BOAR number 9	Radziłów	DNA	SERUM
WILD BOAR	14446-2/17	123	CASE 283	14446 WILD BOAR number 2	Nurzec Stacja	BLOOD	SERUM
WILD BOAR	14446-2/17	124	CASE 283	14446 WILD BOAR number 2	Nurzec Stacja	DNA	SERUM
WILD BOAR	14446-6/17	125	CASE 284	14446 WILD BOAR number 6	Nurzec Stacja	BLOOD	SERUM
WILD BOAR	14550/17	126	CASE 291	14550	Sarnaki	TISSUE	SPLEEN
WILD BOAR	14550/17	127	CASE 291	14550	Sarnaki	DNA	SPLEEN
WILD BOAR	14550/17	128	CASE 291	14550	Sarnaki	TISSUE	KIDNEY
WILD BOAR	14550/17	129	CASE 291	14550	Sarnaki	DNA	KIDNEY
WILD BOAR	14541/17	130	CASE 289	14541	Janów Podlaski	TISSUE	BONE MARROW
WILD BOAR	14541/17	131	CASE 289	14541	Janów Podlaski	HOMOGENATE	BONE MARROW
WILD BOAR	14541/17	132	CASE 289	14541	Janów Podlaski	DNA	BONE MARROW
WILD BOAR	14541/17	133	CASE 289	14541	Janów Podlaski	DNA 1/10	BONE MARROW
WILD BOAR	14538/17	134	CASE 286	14538	Janów Podlaski	BLOOD	SERUM
WILD BOAR	14537/17	135	CASE 285	14537	Janów Podlaski	BLOOD	SERUM
WILD BOAR	14537/17	136	CASE 285	14537	Janów Podlaski	DNA	SERUM
WILD BOAR	14547-1/17	137	CASE 288	14547 WILD BOAR number 1	Janów Podlaski	HOMOGENATE	CLOT
WILD BOAR	14547-1/17	138	CASE 288	14547 WILD BOAR number 1	Janów Podlaski	DNA	CLOT
WILD BOAR	14547-3/17	139	CASE 288	14547 WILD BOAR number 3	Janów Podlaski	BLOOD	SERUM
WILD BOAR	14547-3/17	140	CASE 288	14547 WILD BOAR number 3	Janów Podlaski	DNA	SERUM
WILD BOAR	14545/17	141	CASE 290	14545	Rokitno	TISSUE	SPLEEN
WILD BOAR	14545/17	142	CASE 290	14545	Rokitno	HOMOGENATE	SPLEEN
WILD BOAR	14545/17	143	CASE 290	14545	Rokitno	DNA	SPLEEN
WILD BOAR	14539/17	144	CASE 287	14539	Janów Podlaski	TISSUE	SPLEEN
WILD BOAR	14539/17	145	CASE 287	14539	Janów Podlaski	HOMOGENATE	SPLEEN
WILD BOAR	14539/17	146	CASE 287	14539	Janów Podlaski	DNA	SPLEEN
WILD BOAR	14542-1/17	147	CASE 292	14542 WILD BOAR number 1	Zalesie	HOMOGENATE	CLOT
WILD BOAR	14542-1/17	148	CASE 292	14542 WILD BOAR number 1	Zalesie	DNA	CLOT
WILD BOAR	14542-2/17	149	CASE 292	14542 WILD BOAR number 2	Zalesie	HOMOGENATE	CLOT
WILD BOAR	14542-2/17	150	CASE 292	14542 WILD BOAR number 2	Zalesie	DNA	CLOT
WILD BOAR	14542-3/17	151	CASE 292	14542 WILD BOAR number 3	Zalesie	HOMOGENATE	CLOT
WILD BOAR	14542-3/17	152	CASE 292	14542 WILD BOAR number 3	Zalesie	DNA	CLOT
WILD BOAR	14551/17	153	CASE 291	14551	Sarnaki	TISSUE	SPLEEN
WILD BOAR	14551/17	154	CASE 291	14551	Sarnaki	DNA	SPLEEN
WILD BOAR	14551/17	155	CASE 291	14551	Sarnaki	TISSUE	KIDNEY
WILD BOAR	14551/17	156	CASE 291	14551	Sarnaki	DNA	KIDNEY
WILD BOAR	14540/17	157	CASE 293	14540	Janów Podlaski	BLOOD	SERUM
WILD BOAR	14540/17	158	CASE 293	14540	Janów Podlaski	DNA	SERUM
WILD BOAR	14549/17	159	CASE 291	14549	Sarnaki	TISSUE	SPLEEN
WILD BOAR	14549/17	160	CASE 291	14549	Sarnaki	DNA	SPLEEN
WILD BOAR	14549/17	161	CASE 291	14549	Sarnaki	TISSUE	KIDNEY
WILD BOAR	14549/17	162	CASE 291	14549	Sarnaki	DNA	KIDNEY
WILD BOAR	14677/17	163	CASE 294	14677	Nurzec Stacja	TISSUE	SPLEEN
WILD BOAR	14677/17	164	CASE 294	14677	Nurzec Stacja	DNA	SPLEEN
WILD BOAR	14677/17	165	CASE 294	14677	Nurzec Stacja	TISSUE	LYMPH NODE
WILD BOAR	14677/17	166	CASE 294	14677	Nurzec Stacja	DNA	LYMPH NODE
WILD BOAR	14756-3/17	167	CASE 295	14756 WILD BOAR number 3	Trzcianne	BLOOD	SERUM
WILD BOAR	14880-21/17	168	CASE 299	14880 WILD BOAR number 21	Janów Podlaski	BLOOD	SERUM
WILD BOAR	14880-23/17	169	CASE 300	14880 WILD BOAR number 23	Rokitno	BLOOD	SERUM
WILD BOAR	14881/17	170	CASE 296	14881	Zalesie	TISSUE	BONE MARROW
WILD BOAR	14881/17	171	CASE 296	14881	Zalesie	HOMOGENATE	BONE MARROW
WILD BOAR	14881/17	172	CASE 296	14881	Zalesie	DNA	BONE MARROW
WILD BOAR	14881/17	173	CASE 296	14881	Zalesie	DNA 1/10	BONE MARROW



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Instituto Nacional de Investigación
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SUBDIRECCIÓN GENERAL DE
INVESTIGACIÓN Y TECNOLOGÍA
CENTRO DE INVESTIGACIÓN
EN SANIDAD ANIMAL

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WILD BOAR	14883/17	174	CASE 297	14883	Zalesie	BLOOD	SERUM
WILD BOAR	14884/17	175	CASE 298	14884	Rokitno	TISSUE	BONE MARROW
WILD BOAR	14884/17	176	CASE 298	14884	Rokitno	HOMOGENATE	BONE MARROW
WILD BOAR	14884/17	177	CASE 298	14884	Rokitno	DNA	BONE MARROW
WILD BOAR	14884/17	178	CASE 298	14884	Rokitno	DNA 1/10	BONE MARROW
WILD BOAR	15163/17	179	CASE 301	15163	Sarnaki	TISSUE	SPLEEN
WILD BOAR	15163/17	180	CASE 301	15163	Sarnaki	HOMOGENATE	SPLEEN
WILD BOAR	15163/17	181	CASE 301	15163	Sarnaki	DNA	SPLEEN
WILD BOAR	15164/17	182	CASE 302	15164	Sarnaki	TISSUE	SPLEEN
WILD BOAR	15164/17	183	CASE 302	15164	Sarnaki	DNA	SPLEEN
WILD BOAR	15164/17	184	CASE 302	15164	Sarnaki	TISSUE	KIDNEY
WILD BOAR	15164/17	185	CASE 302	15164	Sarnaki	DNA	KIDNEY
WILD BOAR	15165/17	186	CASE 303	15165	Sarnaki	TISSUE	KIDNEY
WILD BOAR	15165/17	187	CASE 303	15165	Sarnaki	HOMOGENATE	KIDNEY
WILD BOAR	15165/17	188	CASE 303	15165	Sarnaki	DNA	KIDNEY
WILD BOAR	15166/17	189	CASE 303	15166	Sarnaki	TISSUE	SPLEEN
WILD BOAR	15166/17	190	CASE 303	15166	Sarnaki	DNA	SPLEEN
WILD BOAR	15166/17	191	CASE 303	15166	Sarnaki	TISSUE	KIDNEY
WILD BOAR	15166/17	192	CASE 303	15166	Sarnaki	DNA	KIDNEY
WILD BOAR	15609/17	193	CASE 304	15609	Janów Podlaski	HOMOGENATE	BONE MARROW
WILD BOAR	15609/17	194	CASE 304	15609	Janów Podlaski	DNA	BONE MARROW
WILD BOAR	15609/17	195	CASE 304	15609	Janów Podlaski	DNA 1/10	BONE MARROW
WILD BOAR	15661/17	196	CASE 305	15661	Czeremcha	TISSUE	SPLEEN
WILD BOAR	15661/17	197	CASE 305	15661	Czeremcha	DNA	SPLEEN
WILD BOAR	15661/17	198	CASE 305	15661	Czeremcha	TISSUE	KIDNEY
WILD BOAR	15661/17	199	CASE 305	15661	Czeremcha	DNA	KIDNEY
WILD BOAR	15712/17	200	CASE 306	15712	Goniądz	TISSUE	SPLEEN
WILD BOAR	15712/17	201	CASE 306	15712	Goniądz	DNA	SPLEEN
WILD BOAR	15712/17	202	CASE 306	15712	Goniądz	TISSUE	LYMPH NODE
WILD BOAR	15712/17	203	CASE 306	15712	Goniądz	DNA	LYMPH NODE
WILD BOAR	15945/17	204	CASE 309	15945	Rokitno	HOMOGENATE	LYMPH NODE
WILD BOAR	15945/17	205	CASE 309	15945	Rokitno	DNA	LYMPH NODE
WILD BOAR	15946/17	206	CASE 308	15946	Janów Podlaski	TISSUE	BONE MARROW
WILD BOAR	15946/17	207	CASE 308	15946	Janów Podlaski	HOMOGENATE	BONE MARROW
WILD BOAR	15946/17	208	CASE 308	15946	Janów Podlaski	DNA	BONE MARROW
WILD BOAR	15946/17	209	CASE 308	15946	Janów Podlaski	DNA 1/10	BONE MARROW
WILD BOAR	15947/17	210	CASE 311	15947	Rokitno	TISSUE	LYMPH NODE
WILD BOAR	15947/17	211	CASE 311	15947	Rokitno	HOMOGENATE	LYMPH NODE
WILD BOAR	15947/17	212	CASE 311	15947	Rokitno	DNA	LYMPH NODE
WILD BOAR	16030/17	213	CASE 307	16030	Goniądz	TISSUE	SPLEEN
WILD BOAR	16030/17	214	CASE 307	16030	Goniądz	DNA	SPLEEN
WILD BOAR	16030/17	215	CASE 307	16030	Goniądz	TISSUE	LUNG
WILD BOAR	16030/17	216	CASE 307	16030	Goniądz	DNA	LUNG
WILD BOAR	15944/17	217	CASE 310	15944	Rokitno	TISSUE	BONE MARROW
WILD BOAR	15944/17	218	CASE 310	15944	Rokitno	HOMOGENATE	BONE MARROW
WILD BOAR	15944/17	219	CASE 310	15944	Rokitno	DNA	BONE MARROW
WILD BOAR	15943-24/17	220	CASE 312	15943 WILD BOAR number 24	Rokitno	BLOOD	SERUM
WILD BOAR	16427/17	221	CASE 313	16427	Sarnaki	TISSUE	SPLEEN
WILD BOAR	16427/17	222	CASE 313	16427	Sarnaki	DNA	SPLEEN
WILD BOAR	16427/17	223	CASE 313	16427	Sarnaki	TISSUE	KIDNEY
WILD BOAR	16427/17	224	CASE 313	16427	Sarnaki	DNA	KIDNEY
WILD BOAR	16730/17	225	CASE 316	16730	Mielnik.	TISSUE	SPLEEN
WILD BOAR	16730/17	226	CASE 316	16730	Mielnik.	DNA	SPLEEN
WILD BOAR	16730/17	227	CASE 316	16730	Mielnik.	TISSUE	LYMPH NODE



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HOST	Animals received	Sample ID CISA	Sample laboratory code			TYPE SAMPLE RECEIVED	
WILD BOAR	16730/17	228	CASE 316	16730	Mielnik.	DNA	LYMPH NODE
WILD BOAR	16731/17	229	CASE 315	16731	Nurzec Stacja	TISSUE	SPLEEN
WILD BOAR	16731/17	230	CASE 315	16731	Nurzec Stacja	DNA	SPLEEN
WILD BOAR	16731/17	231	CASE 315	16731	Nurzec Stacja	TISSUE	LYMPH NODE
WILD BOAR	16731/17	232	CASE 315	16731	Nurzec Stacja	DNA	LYMPH NODE
WILD BOAR	16734/17	233	CASE 314	16734	Mielnik.	TISSUE	BONE MARROW
WILD BOAR	16734/17	234	CASE 314	16734	Mielnik.	HOMOGENATE	BONE MARROW
WILD BOAR	16734/17	235	CASE 314	16734	Mielnik.	DNA	BONE MARROW
WILD BOAR	16734/17	236	CASE 314	16734	Mielnik.	DNA 1/10	BONE MARROW
WILD BOAR	16916/17	237	CASE 317	16916	Sarnaki	TISSUE	SPLEEN
WILD BOAR	16916/17	238	CASE 317	16916	Sarnaki	DNA	SPLEEN
WILD BOAR	16916/17	239	CASE 317	16916	Sarnaki	TISSUE	KIDNEY
WILD BOAR	16916/17	240	CASE 317	16916	Sarnaki	DNA	KIDNEY
WILD BOAR	16917/17	241	CASE 318	16917	Sarnaki	TISSUE	SPLEEN
WILD BOAR	16917/17	242	CASE 318	16917	Sarnaki	DNA	SPLEEN
WILD BOAR	16917/17	243	CASE 318	16917	Sarnaki	TISSUE	KIDNEY
WILD BOAR	16917/17	244	CASE 318	16917	Sarnaki	DNA	KIDNEY
WILD BOAR	16918/17	245	CASE 319	16918	Terespol	BLOOD	SERUM
WILD BOAR	16918/17	246	CASE 319	16918	Terespol	DNA	SERUM
WILD BOAR	16953/17	247	CASE 320	16953	Dubicze Cerkiewne	TISSUE	SPLEEN
WILD BOAR	16953/17	248	CASE 320	16953	Dubicze Cerkiewne	DNA	SPLEEN
WILD BOAR	16953/17	249	CASE 320	16953	Dubicze Cerkiewne	TISSUE	KIDNEY
WILD BOAR	16953/17	250	CASE 320	16953	Dubicze Cerkiewne	DNA	KIDNEY
WILD BOAR	17218/17	251	CASE 321	17218	Zalesie	BLOOD	SERUM
WILD BOAR	17218/17	252	CASE 321	17218	Zalesie	DNA	SERUM
WILD BOAR	17219/17	253	CASE 322	17219	Konstantynów	BLOOD	SERUM
WILD BOAR	17219/17	254	CASE 322	17219	Konstantynów	DNA	SERUM
WILD BOAR	17216-26/17	255	CASE 323	17216 WILD BOAR number 26	Biała Podlaska	BLOOD	SERUM
WILD BOAR	18070/17	256	CASE 324	18070	Milejczyce	TISSUE	SPLEEN
WILD BOAR	18070/17	257	CASE 324	18070	Milejczyce	DNA	SPLEEN
WILD BOAR	18070/17	258	CASE 324	18070	Milejczyce	TISSUE	KIDNEY
WILD BOAR	18070/17	259	CASE 324	18070	Milejczyce	DNA	KIDNEY
WILD BOAR	17834/17	260	CASE 325	17834	Czeremcha	TISSUE	SPLEEN
WILD BOAR	17834/17	261	CASE 325	17834	Czeremcha	DNA	SPLEEN
WILD BOAR	17834/17	262	CASE 325	17834	Czeremcha	TISSUE	KIDNEY
WILD BOAR	17834/17	263	CASE 325	17834	Czeremcha	DNA	KIDNEY
WILD BOAR	17878/17	264	CASE 328	17878	Zalesie	TISSUE	BONE MARROW
WILD BOAR	17878/17	265	CASE 328	17878	Zalesie	HOMOGENATE	BONE MARROW
WILD BOAR	17878/17	266	CASE 328	17878	Zalesie	DNA	BONE MARROW
WILD BOAR	17878/17	267	CASE 328	17878	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	17879/17	268	CASE 327	17879	Rokitno	TISSUE	BONE MARROW
WILD BOAR	17879/17	269	CASE 327	17879	Rokitno	HOMOGENATE	BONE MARROW
WILD BOAR	17879/17	270	CASE 327	17879	Rokitno	DNA	BONE MARROW
WILD BOAR	17879/17	271	CASE 327	17879	Rokitno	DNA 1/10	BONE MARROW
WILD BOAR	17880/17	272	CASE 327	17880	Rokitno	TISSUE	BONE MARROW
WILD BOAR	17880/17	273	CASE 327	17880	Rokitno	HOMOGENATE	BONE MARROW
WILD BOAR	17880/17	274	CASE 327	17880	Rokitno	DNA	BONE MARROW
WILD BOAR	17880/17	275	CASE 327	17880	Rokitno	DNA 1/10	BONE MARROW
WILD BOAR	17907/17	276	CASE 326	17907	Konstantynów	BLOOD	SERUM
WILD BOAR	17907/17	277	CASE 326	17907	Konstantynów	DNA	SERUM
WILD BOAR	17909/17	278	CASE 326	17909	Konstantynów	TISSUE	SPLEEN



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WILD BOAR	17909/17	279	CASE 326	17909	Konstantynów	DNA	SPLEEN
WILD BOAR	17909/17	280	CASE 326	17909	Konstantynów	TISSUE	LYMPH NODE
WILD BOAR	17909/17	281	CASE 326	17909	Konstantynów	DNA	LYMPH NODE
WILD BOAR	17962-6/17	282	CASE 330	17962 WILD BOAR number 6	Krynki	BLOOD	SERUM
WILD BOAR	17966/17	283	CASE 329	17966	Siemiatycze	BLOOD	SERUM
WILD BOAR	18176-3/17	284	CASE 331	18176 WILD BOAR number 3	Platerów	BLOOD	SERUM
WILD BOAR	18305/17	285	CASE 332	18305	Nurzec Stacja	TISSUE	BONE MARROW
WILD BOAR	18305/17	286	CASE 332	18305	Nurzec Stacja	HOMOGENATE	BONE MARROW
WILD BOAR	18305/17	287	CASE 332	18305	Nurzec Stacja	DNA	BONE MARROW
WILD BOAR	18305/17	288	CASE 332	18305	Nurzec Stacja	DNA 1/10	BONE MARROW
WILD BOAR	18307/17	289	CASE 333	18307	Nurzec Stacja	TISSUE	BONE MARROW
WILD BOAR	18307/17	290	CASE 333	18307	Nurzec Stacja	HOMOGENATE	BONE MARROW
WILD BOAR	18307/17	291	CASE 333	18307	Nurzec Stacja	DNA	BONE MARROW
WILD BOAR	18307/17	292	CASE 333	18307	Nurzec Stacja	DNA 1/10	BONE MARROW
WILD BOAR	18463/17	293	CASE 335	18463	Leśna Podlaska	BLOOD	SERUM
WILD BOAR	18463/17	294	CASE 335	18463	Leśna Podlaska	DNA	SERUM
WILD BOAR	18506/17	295	CASE 335	18506	Sarnaki	TISSUE	BONE MARROW
WILD BOAR	18506/17	296	CASE 335	18506	Sarnaki	HOMOGENATE	BONE MARROW
WILD BOAR	18506/17	297	CASE 335	18506	Sarnaki	DNA	BONE MARROW
WILD BOAR	18506/17	298	CASE 335	18506	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	18507/17	299	CASE 335	18507	Sarnaki	TISSUE	BONE MARROW
WILD BOAR	18507/17	300	CASE 335	18507	Sarnaki	HOMOGENATE	BONE MARROW
WILD BOAR	18507/17	301	CASE 335	18507	Sarnaki	DNA	BONE MARROW
WILD BOAR	18507/17	302	CASE 335	18507	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	18509/17	303	CASE 335	18509	Sarnaki	HOMOGENATE	BONE MARROW
WILD BOAR	18509/17	304	CASE 335	18509	Sarnaki	DNA	BONE MARROW
WILD BOAR	18509/17	305	CASE 335	18509	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	18510/17	306	CASE 335	18510	Sarnaki	TISSUE	SPLEEN
WILD BOAR	18510/17	307	CASE 335	18510	Sarnaki	DNA	SPLEEN
WILD BOAR	18510/17	308	CASE 335	18510	Sarnaki	TISSUE	KIDNEY
WILD BOAR	18510/17	309	CASE 335	18510	Sarnaki	DNA	KIDNEY
WILD BOAR	18512/17	310	CASE 335	18512	Sarnaki	TISSUE	BONE MARROW
WILD BOAR	18512/17	311	CASE 335	18512	Sarnaki	HOMOGENATE	BONE MARROW
WILD BOAR	18512/17	312	CASE 335	18512	Sarnaki	DNA	BONE MARROW
WILD BOAR	18512/17	313	CASE 335	18512	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	18676/17	314	CASE 334	18676	Mielnik	TISSUE	BONE MARROW
WILD BOAR	18676/17	315	CASE 334	18676	Mielnik	HOMOGENATE	BONE MARROW
WILD BOAR	18676/17	316	CASE 334	18676	Mielnik	DNA	BONE MARROW
WILD BOAR	18676/17	317	CASE 334	18676	Mielnik	DNA 1/10	BONE MARROW
WILD BOAR	18952/17	318	CASE 336	18952	Siemiatycze	TISSUE	SPLEEN
WILD BOAR	18952/17	319	CASE 336	18952	Siemiatycze	DNA	SPLEEN
WILD BOAR	18952/17	320	CASE 336	18952	Siemiatycze	TISSUE	LYMPH NODE
WILD BOAR	18952/17	321	CASE 336	18952	Siemiatycze	DNA	LYMPH NODE
WILD BOAR	18953-2/17	322	CASE 337	18953 WILD BOAR number 2	Nurzec Stacja	BLOOD	SERUM
WILD BOAR	19056-11/17	323	CASE 338	19056 WILD BOAR number 11	Biała Podlaska	BLOOD	SERUM
WILD BOAR	19056-11/17	324	CASE 338	19056 WILD BOAR number 11	Biała Podlaska	DNA	SERUM
WILD BOAR	19259-1/17	325	CASE 339	19259 WILD BOAR number 1	Czeremcha	TISSUE	BONE MARROW
WILD BOAR	19259-1/17	326	CASE 339	19259 WILD BOAR number 1	Czeremcha	HOMOGENATE	BONE MARROW
WILD BOAR	19259-1/17	327	CASE 339	19259 WILD BOAR number 1	Czeremcha	DNA	BONE MARROW
WILD BOAR	19259-1/17	328	CASE 339	19259 WILD BOAR number 1	Czeremcha	DNA 1/10	BONE MARROW
WILD BOAR	19259-2/17	329	CASE 339	19259 WILD BOAR number 2	Czeremcha	TISSUE	BONE MARROW
WILD BOAR	19259-2/17	330	CASE 339	19259 WILD BOAR number 2	Czeremcha	HOMOGENATE	BONE MARROW
WILD BOAR	19259-2/17	331	CASE 339	19259 WILD BOAR number 2	Czeremcha	DNA	BONE MARROW
WILD BOAR	19259-2/17	332	CASE 339	19259 WILD BOAR number 2	Czeremcha	DNA 1/10	BONE MARROW

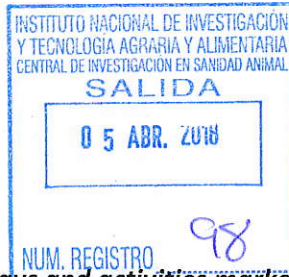


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WILD BOAR	19416/17	333	CASE 340	19416	Rokitno	HOMOGENATE	BONE MARROW
WILD BOAR	19416/17	334	CASE 340	19416	Rokitno	DNA	BONE MARROW
WILD BOAR	19416/17	335	CASE 340	19416	Rokitno	DNA 1/10	BONE MARROW
WILD BOAR	19415-43/17	336	CASE 342	19415 WILD BOAR number 43	Biała Podlaska	BLOOD	SERUM
WILD BOAR	19415-44/17	337	CASE 343	19415 WILD BOAR number 44	Biała Podlaska	BLOOD	SERUM
WILD BOAR	19673-3/17	338	CASE 341	19673 WILD BOAR number 3	Grajewo	BLOOD	SERUM
WILD BOAR	19924-2/17	339	CASE 344	19924 WILD BOAR number 2	Leśna Podlaska	TISSUE	BONE MARROW
WILD BOAR	19924-2/17	340	CASE 344	19924 WILD BOAR number 2	Leśna Podlaska	HOMOGENATE	BONE MARROW
WILD BOAR	19924-2/17	341	CASE 344	19924 WILD BOAR number 2	Leśna Podlaska	DNA	BONE MARROW
WILD BOAR	19924-2/17	342	CASE 344	19924 WILD BOAR number 2	Leśna Podlaska	DNA 1/10	BONE MARROW
WILD BOAR	20063-7/17	343	CASE 345	20063 WILD BOAR number 7	Narew	BLOOD	SERUM
WILD BOAR	20307/17	344	CASE 346	20307	Sarnaki	TISSUE	SPLEEN
WILD BOAR	20307/17	345	CASE 346	20307	Sarnaki	DNA	SPLEEN
WILD BOAR	20307/17	346	CASE 346	20307	Sarnaki	TISSUE	KIDNEY
WILD BOAR	20307/17	347	CASE 346	20307	Sarnaki	DNA	KIDNEY
WILD BOAR	20324/17	348	CASE 348	20324	Zalesie	BLOOD	SERUM
WILD BOAR	20324/17	349	CASE 348	20324	Zalesie	DNA	SERUM
WILD BOAR	20439/17	350	CASE 347	20439	Mielnik	TISSUE	BONE MARROW
WILD BOAR	20439/17	351	CASE 347	20439	Mielnik	HOMOGENATE	BONE MARROW
WILD BOAR	20439/17	352	CASE 347	20439	Mielnik	DNA	BONE MARROW
WILD BOAR	20439/17	353	CASE 347	20439	Mielnik	DNA 1/10	BONE MARROW
WILD BOAR	20323/17	354	CASE 349	20323/17		BLOOD	SERUM
WILD BOAR	20323/17	355	CASE 349	20323/17		DNA	SERUM
WILD BOAR	20688/17	356	CASE 350	20688	Sarnaki	TISSUE	SPLEEN
WILD BOAR	20688/17	357	CASE 350	20688	Sarnaki	DNA	SPLEEN
WILD BOAR	20688/17	358	CASE 350	20688	Sarnaki	TISSUE	KIDNEY
WILD BOAR	20688/17	359	CASE 350	20688	Sarnaki	DNA	KIDNEY
WILD BOAR	20689/17	360	CASE 351	20689	Sarnaki	TISSUE	BONE MARROW
WILD BOAR	20689/17	361	CASE 351	20689	Sarnaki	HOMOGENATE	BONE MARROW
WILD BOAR	20689/17	362	CASE 351	20689	Sarnaki	DNA	BONE MARROW
WILD BOAR	20689/17	363	CASE 351	20689	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	20690/17	364	CASE 352	20690	Sarnaki	TISSUE	BONE MARROW
WILD BOAR	20690/17	365	CASE 352	20690	Sarnaki	HOMOGENATE	BONE MARROW
WILD BOAR	20690/17	366	CASE 352	20690	Sarnaki	DNA	BONE MARROW
WILD BOAR	20690/17	367	CASE 352	20690	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	21044-1/17	368	CASE 354	21044 WILD BOAR number 1	Biała Podlaska	TISSUE	BONE MARROW
WILD BOAR	21044-1/17	369	CASE 354	21044 WILD BOAR number 1	Biała Podlaska	HOMOGENATE	BONE MARROW
WILD BOAR	21044-1/17	370	CASE 354	21044 WILD BOAR number 1	Biała Podlaska	DNA	BONE MARROW
WILD BOAR	21044-1/17	371	CASE 354	21044 WILD BOAR number 1	Biała Podlaska	DNA 1/10	BONE MARROW
WILD BOAR	21044-2/17	372	CASE 355	21044 WILD BOAR number 2	Biała Podlaska	TISSUE	BONE MARROW
WILD BOAR	21044-2/17	373	CASE 355	21044 WILD BOAR number 2	Biała Podlaska	HOMOGENATE	BONE MARROW
WILD BOAR	21044-2/17	374	CASE 355	21044 WILD BOAR number 2	Biała Podlaska	DNA	BONE MARROW
WILD BOAR	21044-2/17	375	CASE 355	21044 WILD BOAR number 2	Biała Podlaska	DNA 1/10	BONE MARROW
WILD BOAR	20708-1/17	376	CASE 356	20708 WILD BOAR number 1	Janów Podlaski	BLOOD	SERUM
WILD BOAR	20708-2/17	377	CASE 357	20708 WILD BOAR number 2	Janów Podlaski	BLOOD	SERUM
WILD BOAR	20708-5/17	378	CASE 358	20708 WILD BOAR number 5	Terespol	BLOOD	SERUM
WILD BOAR	20708-6/17	379	CASE 359	20708 WILD BOAR number 6	Zalesie	BLOOD	SERUM
WILD BOAR	20855/17	380	CASE 353	20855	Sokółka	TISSUE	SPLEEN
WILD BOAR	20855/17	381	CASE 353	20855	Sokółka	DNA	SPLEEN
WILD BOAR	20855/17	382	CASE 353	20855	Sokółka	TISSUE	KIDNEY
WILD BOAR	20855/17	383	CASE 353	20855	Sokółka	DNA	KIDNEY
WILD BOAR	21195/17	384	CASE 362	21195	Leśna Podlaska	BLOOD	SERUM
WILD BOAR	21199/17	385	CASE 361	21199	Biała Podlaska	TISSUE	BONE MARROW
WILD BOAR	21199/17	386	CASE 361	21199	Biała Podlaska	HOMOGENATE	BONE MARROW



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WILD BOAR	21199/17	387	CASE 361	21199	Biała Podlaska	DNA	BONE MARROW
WILD BOAR	21199/17	388	CASE 361	21199	Biała Podlaska	DNA 1/10	BONE MARROW
WILD BOAR	21419/17	389	CASE 360	21419	Goniądz.	HOMOGENATE	BONE MARROW
WILD BOAR	21419/17	390	CASE 360	21419	Goniądz.	DNA	BONE MARROW
WILD BOAR	21419/17	391	CASE 360	21419	Goniądz.	DNA 1/10	BONE MARROW
WILD BOAR	21355-5/17	392	CASE 364	21355 WILD BOAR number 5	Rokitno	BLOOD	SERUM
WILD BOAR	21551/17	393	CASE 363	21551	Leśna Podlaska	BLOOD	SERUM
WILD BOAR	21551/17	394	CASE 363	21551	Leśna Podlaska	DNA	SERUM
WILD BOAR	22424/17	395	CASE 369	22424	Piszczac	TISSUE	BONE MARROW
WILD BOAR	22424/17	396	CASE 369	22424	Piszczac	HOMOGENATE	BONE MARROW
WILD BOAR	22424/17	397	CASE 369	22424	Piszczac	DNA	BONE MARROW
WILD BOAR	22424/17	398	CASE 369	22424	Piszczac	DNA 1/10	BONE MARROW
WILD BOAR	22426/17	399	CASE 366	22426	Piszczac	HOMOGENATE	BONE MARROW
WILD BOAR	22426/17	400	CASE 366	22426	Piszczac	DNA	BONE MARROW
WILD BOAR	22426/17	401	CASE 366	22426	Piszczac	DNA 1/10	BONE MARROW
WILD BOAR	22427/17	402	CASE 367	22427	Piszczac	HOMOGENATE	BONE MARROW
WILD BOAR	22427/17	403	CASE 367	22427	Piszczac	DNA	BONE MARROW
WILD BOAR	22427/17	404	CASE 367	22427	Piszczac	DNA 1/10	BONE MARROW
WILD BOAR	22428/17	405	CASE 368	22428	Biała Podlaska	MUSCLE	MUSCLE
WILD BOAR	22428/17	406	CASE 368	22428	Biała Podlaska	HOMOGENATE	MUSCLE
WILD BOAR	22428/17	407	CASE 368	22428	Biała Podlaska	DNA	MUSCLE
WILD BOAR	22429/17	408	CASE 368	22429	Biała Podlaska	HOMOGENATE	BONE MARROW
WILD BOAR	22429/17	409	CASE 368	22429	Biała Podlaska	DNA	BONE MARROW
WILD BOAR	22429/17	410	CASE 368	22429	Biała Podlaska	DNA 1/10	BONE MARROW
WILD BOAR	22430/17	411	CASE 366	22430	Piszczac	HOMOGENATE	BONE MARROW
WILD BOAR	22430/17	412	CASE 366	22430	Piszczac	DNA	BONE MARROW
WILD BOAR	22430/17	413	CASE 366	22430	Piszczac	DNA 1/10	BONE MARROW
WILD BOAR	22437/17	414	CASE 370	22437	Leśna Podlaska	BLOOD	SERUM
WILD BOAR	22437/17	415	CASE 370	22437	Leśna Podlaska	DNA	SERUM
WILD BOAR	22446/17	416	CASE 365	22446	Konstantynów	BLOOD	SERUM
WILD BOAR	22446/17	417	CASE 365	22446	Konstantynów	DNA	SERUM
WILD BOAR	22771/17	418	CASE 371	22771	Rokitno	TISSUE	BONE MARROW
WILD BOAR	22771/17	419	CASE 371	22771	Rokitno	HOMOGENATE	BONE MARROW
WILD BOAR	22771/17	420	CASE 371	22771	Rokitno	DNA	BONE MARROW
WILD BOAR	22775/17	421	CASE 372	22775	Kodeń	BLOOD	SERUM
WILD BOAR	22775/17	422	CASE 372	22775	Kodeń	DNA	SERUM
WILD BOAR	22777/17	423	CASE 373	22777	Biała Podlaska	BLOOD	SERUM
WILD BOAR	22777/17	424	CASE 373	22777	Biała Podlaska	DNA	SERUM
WILD BOAR	22949/17	425	CASE 374	22949	Terespol	TISSUE	BONE MARROW
WILD BOAR	22949/17	426	CASE 374	22949	Terespol	HOMOGENATE	BONE MARROW
WILD BOAR	22949/17	427	CASE 374	22949	Terespol	DNA	BONE MARROW
WILD BOAR	22949/17	428	CASE 374	22949	Terespol	DNA 1/10	BONE MARROW
WILD BOAR	22950/17	429	CASE 375	22950	Biała Podlaska	TISSUE	BONE MARROW
WILD BOAR	22950/17	430	CASE 375	22950	Biała Podlaska	HOMOGENATE	BONE MARROW
WILD BOAR	22950/17	431	CASE 375	22950	Biała Podlaska	DNA	BONE MARROW
WILD BOAR	22950/17	432	CASE 375	22950	Biała Podlaska	DNA 1/10	BONE MARROW
WILD BOAR	22951/17	433	CASE 376	22951	Biała Podlaska	TISSUE	BONE MARROW
WILD BOAR	22951/17	434	CASE 376	22951	Biała Podlaska	HOMOGENATE	BONE MARROW
WILD BOAR	22951/17	435	CASE 376	22951	Biała Podlaska	DNA	BONE MARROW
WILD BOAR	22951/17	436	CASE 376	22951	Biała Podlaska	DNA 1/10	BONE MARROW
WILD BOAR	23013/17	437	CASE 378	23013	Mielnik	TISSUE	BONE MARROW
WILD BOAR	23013/17	438	CASE 378	23013	Mielnik	HOMOGENATE	BONE MARROW
WILD BOAR	23013/17	439	CASE 378	23013	Mielnik	DNA	BONE MARROW
WILD BOAR	23013/17	440	CASE 378	23013	Mielnik	DNA 1/10	BONE MARROW



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HOST	Animals received	Sample ID CISA	Sample laboratory code			TYPE SAMPLE RECEIVED	
WILD BOAR	23021-5/17	441	CASE 379	23021 WILD BOAR number 5	Nurzec Stacja	BLOOD	SERUM
WILD BOAR	23021-5/17	442	CASE 379	23021 WILD BOAR number 5	Nurzec Stacja	DNA	SERUM
WILD BOAR	23290/17	443	CASE 377	23290	Jedwabne	TISSUE	SPLEEN
WILD BOAR	23290/17	444	CASE 377	23290	Jedwabne	HOMOGENATE	SPLEEN
WILD BOAR	23290/17	445	CASE 377	23290	Jedwabne	DNA	SPLEEN
WILD BOAR	23352/17	446	CASE 380	23352	Janów Podlaski	BLOOD	SERUM
DOMESTIC PIG	19426/17	447	OUTBREAK 24	19426	Biała Podlaska	HOMOGENATE	CLOT
DOMESTIC PIG	19426/17	448	OUTBREAK 24	19426	Biała Podlaska	DNA	CLOT
DOMESTIC PIG	19918-2/17	449	OUTBREAK 24	19918 pig number 2	Biała Podlaska	BLOOD	SERUM
DOMESTIC PIG	19918-2/17	450	OUTBREAK 24	19918 pig number 2	Biała Podlaska	DNA	SERUM
DOMESTIC PIG	19918-4/17	451	OUTBREAK 24	19918 pig number 4	Biała Podlaska	BLOOD	SERUM
DOMESTIC PIG	19918-4/17	452	OUTBREAK 24	19918 pig number 4	Biała Podlaska	DNA	SERUM
DOMESTIC PIG	19267-2/17	453	OUTBREAK 25	19267 pig number 2	Trzcianne	BLOOD	SERUM
DOMESTIC PIG	19267-2/17	454	OUTBREAK 25	19267 pig number 2	Trzcianne	DNA	SERUM
DOMESTIC PIG	19919/17	455	OUTBREAK 26	19919	Leśna Podlaska	BLOOD	SERUM
DOMESTIC PIG	19919/17	456	OUTBREAK 26	19919	Leśna Podlaska	DNA	SERUM
DOMESTIC PIG	19921/17	457	OUTBREAK 28	19921	Janów Podlaski	BLOOD	SERUM
DOMESTIC PIG	19921/17	458	OUTBREAK 28	19921	Janów Podlaski	DNA	SERUM
DOMESTIC PIG	19532/17	459	OUTBREAK 27	19532	Mielnik	BLOOD	SERUM
DOMESTIC PIG	19532/17	460	OUTBREAK 27	19532	Mielnik	DNA	SERUM
DOMESTIC PIG	20269/17	461	OUTBREAK 30	20269	Konstantynów	HOMOGENATE	CLOT
DOMESTIC PIG	20269/17	462	OUTBREAK 30	20269	Konstantynów	DNA	CLOT
DOMESTIC PIG	20270/17	463	OUTBREAK 29	20270	Leśna Podlaska	BLOOD	SERUM
DOMESTIC PIG	20270/17	464	OUTBREAK 29	20270	Leśna Podlaska	DNA	SERUM
DOMESTIC PIG	20309/17	465	OUTBREAK 27	20309	Mielnik	BLOOD	SERUM
DOMESTIC PIG	20309/17	466	OUTBREAK 27	20309	Mielnik	DNA	SERUM
DOMESTIC PIG	20424/17	467	OUTBREAK 24	20424	Biała Podlaska	TISSUE	SPLEEN
DOMESTIC PIG	20424/17	468	OUTBREAK 24	20424	Biała Podlaska	DNA	SPLEEN
DOMESTIC PIG	20424/17	469	OUTBREAK 24	20424	Biała Podlaska	TISSUE	TONSIL
DOMESTIC PIG	20424/17	470	OUTBREAK 24	20424	Biała Podlaska	DNA	TONSIL
DOMESTIC PIG	20425/17	471	OUTBREAK 31	20425	Leśna Podlaska	TISSUE	SPLEEN
DOMESTIC PIG	20425/17	472	OUTBREAK 31	20425	Leśna Podlaska	DNA	SPLEEN
DOMESTIC PIG	20425/17	473	OUTBREAK 31	20425	Leśna Podlaska	TISSUE	KIDNEY
DOMESTIC PIG	20425/17	474	OUTBREAK 31	20425	Leśna Podlaska	DNA	KIDNEY
DOMESTIC PIG	20993/17	475	OUTBREAK 32	20993	Nurzec Stacja	TISSUE	SPLEEN
DOMESTIC PIG	20993/17	476	OUTBREAK 32	20993	Nurzec Stacja	DNA	SPLEEN
DOMESTIC PIG	20993/17	477	OUTBREAK 32	20993	Nurzec Stacja	TISSUE	KIDNEY
DOMESTIC PIG	20993/17	478	OUTBREAK 32	20993	Nurzec Stacja	DNA	KIDNEY
DOMESTIC PIG	21115-3/17	479	OUTBREAK 33	21115 pig number 3	Siemiatycze	BLOOD	SERUM
DOMESTIC PIG	21115-3/17	480	OUTBREAK 33	21115 pig number 3	Siemiatycze	DNA	SERUM
DOMESTIC PIG	21117-1/17	481	OUTBREAK 34	21117 pig number 1	Sarnaki	BLOOD	SERUM
DOMESTIC PIG	21117-1/17	482	OUTBREAK 34	21117 pig number 1	Sarnaki	DNA	SERUM
DOMESTIC PIG	21117-2/17	483	OUTBREAK 34	21117 pig number 2	Sarnaki	BLOOD	SERUM
DOMESTIC PIG	21117-2/17	484	OUTBREAK 34	21117 pig number 2	Sarnaki	DNA	SERUM
DOMESTIC PIG	21117-3/17	485	OUTBREAK 34	21117 pig number 3	Sarnaki	BLOOD	SERUM
DOMESTIC PIG	21117-3/17	486	OUTBREAK 34	21117 pig number 3	Sarnaki	DNA	SERUM
DOMESTIC PIG	21117-4/17	487	OUTBREAK 34	21117 pig number 4	Sarnaki	BLOOD	SERUM
DOMESTIC PIG	21117-4/17	488	OUTBREAK 34	21117 pig number 4	Sarnaki	DNA	SERUM
DOMESTIC PIG	21117-5/17	489	OUTBREAK 34	21117 pig number 5	Sarnaki	BLOOD	SERUM
DOMESTIC PIG	21197/17	490	OUTBREAK 35	21197	Leśna Podlaska	BLOOD	SERUM
DOMESTIC PIG	21197/17	491	OUTBREAK 35	21197	Leśna Podlaska	DNA	SERUM
DOMESTIC PIG	21198-1/17	492	OUTBREAK 35	21198 pig number 1	Leśna Podlaska	HOMOGENATE	CLOT
DOMESTIC PIG	21198-1/17	493	OUTBREAK 35	21198 pig number 1	Leśna Podlaska	DNA	CLOT
DOMESTIC PIG	21198-4/17	494	OUTBREAK 35	21198 pig number 4	Leśna Podlaska	BLOOD	SERUM



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HOST	Animals received	Sample ID CISA	Sample laboratory code			TYPE SAMPLE RECEIVED	
DOMESTIC PIG	21198-4/17	495	OUTBREAK 35	21198 pig number 4	Leśna Podlaska	DNA	SERUM
DOMESTIC PIG	21273-5/17	496	OUTBREAK 36	21273 pig number 5	Sarnaki	BLOOD	SERUM
DOMESTIC PIG	21273-5/17	497	OUTBREAK 36	21273 pig number 5	Sarnaki	DNA	SERUM
DOMESTIC PIG	21273-6/17	498	OUTBREAK 36	21273 pig number 6	Sarnaki	BLOOD	SERUM
DOMESTIC PIG	21273-6/17	499	OUTBREAK 36	21273 pig number 6	Sarnaki	DNA	SERUM
DOMESTIC PIG	21273-7/17	500	OUTBREAK 36	21273 pig number 7	Sarnaki	BLOOD	SERUM
DOMESTIC PIG	21273-7/17	501	OUTBREAK 36	21273 pig number 7	Sarnaki	DNA	SERUM
DOMESTIC PIG	21342/17	502	OUTBREAK 37	21342	Zalesie	BLOOD	SERUM
DOMESTIC PIG	21342/17	503	OUTBREAK 37	21342	Zalesie	DNA	SERUM
DOMESTIC PIG	21343/17	504	OUTBREAK 37	21343	Zalesie	HOMOGENATE	CLOT
DOMESTIC PIG	21343/17	505	OUTBREAK 37	21343	Zalesie	DNA	CLOT
DOMESTIC PIG	21869-2/17	506	OUTBREAK 38	21869 pig number 2	Radziłów	HOMOGENATE	CLOT
DOMESTIC PIG	21869-2/17	507	OUTBREAK 38	21869 pig number 2	Radziłów	DNA	CLOT
DOMESTIC PIG	21869-4/17	508	OUTBREAK 38	21869 pig number 4	Radziłów	HOMOGENATE	CLOT
DOMESTIC PIG	21869-4/17	509	OUTBREAK 38	21869 pig number 4	Radziłów	DNA	CLOT
DOMESTIC PIG	22693/17	510	OUTBREAK 39	22693	Radziłów	TISSUE	SPLEEN
DOMESTIC PIG	22693/17	511	OUTBREAK 39	22693	Radziłów	DNA	SPLEEN
DOMESTIC PIG	22693/17	512	OUTBREAK 39	22693	Radziłów	TISSUE	TONSIL
DOMESTIC PIG	22693/17	513	OUTBREAK 39	22693	Radziłów	DNA	TONSIL
DOMESTIC PIG	22798/17	514	OUTBREAK 39	22798	Radziłów	BLOOD	SERUM
DOMESTIC PIG	22798/17	515	OUTBREAK 39	22798	Radziłów	TISSUE	SPLEEN
DOMESTIC PIG	22798/17	516	OUTBREAK 39	22798	Radziłów	DNA	SPLEEN
DOMESTIC PIG	22798/17	517	OUTBREAK 39	22798	Radziłów	TISSUE	TONSIL
DOMESTIC PIG	22798/17	518	OUTBREAK 39	22798	Radziłów	DNA	TONSIL
DOMESTIC PIG	22799/17	519	OUTBREAK 40	22799	Trzcianne	TISSUE	SPLEEN
DOMESTIC PIG	22799/17	520	OUTBREAK 40	22799	Trzcianne	DNA	SPLEEN
DOMESTIC PIG	22799/17	521	OUTBREAK 40	22799	Trzcianne	TISSUE	TONSIL
DOMESTIC PIG	22799/17	522	OUTBREAK 40	22799	Trzcianne	DNA	TONSIL
DOMESTIC PIG	22800-20/17	523	OUTBREAK 40	22800 pig number 20	Trzcianne	BLOOD	SERUM
DOMESTIC PIG	22800-20/17	524	OUTBREAK 40	22800 pig number 20	Trzcianne	DNA	SERUM
DOMESTIC PIG	22800-22/17	525	OUTBREAK 40	22800 pig number 22	Trzcianne	BLOOD	SERUM
DOMESTIC PIG	22800-22/17	526	OUTBREAK 40	22800 pig number 22	Trzcianne	DNA	SERUM
DOMESTIC PIG	22800-23/17	527	OUTBREAK 40	22800 pig number 23	Trzcianne	BLOOD	SERUM
DOMESTIC PIG	22800-23/17	528	OUTBREAK 40	22800 pig number 23	Trzcianne	DNA	SERUM
DOMESTIC PIG	22957/17	529	OUTBREAK 41	22957	Rokitno	BLOOD	SERUM
DOMESTIC PIG	22957/17	530	OUTBREAK 41	22957	Rokitno	DNA	SERUM
DOMESTIC PIG	22948-1/17	531	OUTBREAK 42	22948	Piszczac	BLOOD	SERUM
DOMESTIC PIG	22948-1/17	532	OUTBREAK 42	22948	Piszczac	DNA	SERUM
DOMESTIC PIG	22948-2/17	533	OUTBREAK 42	22948	Piszczac	BLOOD	SERUM
DOMESTIC PIG	22948-2/17	534	OUTBREAK 42	22948	Piszczac	DNA	SERUM
DOMESTIC PIG	23158-1/17	535	OUTBREAK 43	23158 pig number 1	Mońki	BLOOD	SERUM
DOMESTIC PIG	23158-1/17	536	OUTBREAK 43	23158 pig number 1	Mońki	DNA	SERUM
DOMESTIC PIG	23158-3/17	537	OUTBREAK 43	23158 pig number 3	Mońki	BLOOD	SERUM
DOMESTIC PIG	23158-3/17	538	OUTBREAK 43	23158 pig number 3	Mońki	DNA	SERUM
DOMESTIC PIG	23158-4/17	539	OUTBREAK 43	23158 pig number 4	Mońki	BLOOD	SERUM
DOMESTIC PIG	23158-4/17	540	OUTBREAK 43	23158 pig number 4	Mońki	DNA	SERUM
DOMESTIC PIG	23158-5/17	541	OUTBREAK 43	23158 pig number 5	Mońki	BLOOD	SERUM
DOMESTIC PIG	23158-5/17	542	OUTBREAK 43	23158 pig number 5	Mońki	DNA	SERUM
DOMESTIC PIG	23158-7/17	543	OUTBREAK 43	23158 pig number 7	Mońki	BLOOD	SERUM
DOMESTIC PIG	23158-7/17	544	OUTBREAK 43	23158 pig number 7	Mońki	DNA	SERUM
DOMESTIC PIG	22956/17	545	OUTBREAK 44	22956	Terespól	BLOOD	BLOOD
DOMESTIC PIG	22956/17	546	OUTBREAK 44	22956	Terespól	DNA	BLOOD
DOMESTIC PIG	23362-1/17	547	OUTBREAK 45	23362 pig number 1	Terespól	BLOOD	SERUM
DOMESTIC PIG	23362-1/17	548	OUTBREAK 45	23362 pig number 1	Terespól	DNA	SERUM



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HOST	Animals received	Sample ID CISA	Sample laboratory code			TYPE SAMPLE RECEIVED	
DOMESTIC PIG	23362-2/17	549	OUTBREAK 45	23362 pig number 2	Terespol	BLOOD	SERUM
DOMESTIC PIG	23362-2/17	550	OUTBREAK 45	23362 pig number 2	Terespol	DNA	SERUM
DOMESTIC PIG	23612/17	551	OUTBREAK 48	23612	Zalesie	BLOOD	SERUM
DOMESTIC PIG	23612/17	552	OUTBREAK 48	23612	Zalesie	DNA	SERUM
DOMESTIC PIG	23616-1/17	553	OUTBREAK 47	23616 pig number 1	Leśna Podlaska	BLOOD	SERUM
DOMESTIC PIG	23616-2/17	554	OUTBREAK 47	23616 pig number 2	Leśna Podlaska	BLOOD	SERUM
DOMESTIC PIG	23616-2/17	555	OUTBREAK 47	23616 pig number 2	Leśna Podlaska	DNA	SERUM
DOMESTIC PIG	23616-3/17	556	OUTBREAK 47	23616 pig number 3	Leśna Podlaska	BLOOD	SERUM
DOMESTIC PIG	23616-3/17	557	OUTBREAK 47	23616 pig number 3	Leśna Podlaska	DNA	SERUM
DOMESTIC PIG	23353-1/17	558	OUTBREAK 46	23353 pig number 1	Terespol	HOMOGENATE	CLOT
DOMESTIC PIG	23353-1/17	559	OUTBREAK 46	23353 pig number 1	Terespol	DNA	CLOT
DOMESTIC PIG	23353-2/17	560	OUTBREAK 46	23353 pig number 2	Terespol	HOMOGENATE	CLOT
DOMESTIC PIG	23353-2/17	561	OUTBREAK 46	23353 pig number 2	Terespol	DNA	CLOT
DOMESTIC PIG	23353-3/17	562	OUTBREAK 46	23353 pig number 3	Terespol	HOMOGENATE	CLOT
DOMESTIC PIG	23353-3/17	563	OUTBREAK 46	23353 pig number 3	Terespol	DNA	CLOT
DOMESTIC PIG	23353-4/17	564	OUTBREAK 46	23353 pig number 4	Terespol	HOMOGENATE	CLOT
DOMESTIC PIG	23353-4/17	565	OUTBREAK 46	23353 pig number 4	Terespol	DNA	CLOT
DOMESTIC PIG	23353-5/17	566	OUTBREAK 46	23353 pig number 5	Terespol	HOMOGENATE	CLOT
DOMESTIC PIG	23353-5/17	567	OUTBREAK 46	23353 pig number 5	Terespol	DNA	CLOT
DOMESTIC PIG	23721-2/17	568	OUTBREAK 49	23721 pig number 2	Piszczac	BLOOD	SERUM
DOMESTIC PIG	23721-5/17	569	OUTBREAK 49	23721 pig number 5	Piszczac	BLOOD	SERUM
DOMESTIC PIG	23721-7/17	570	OUTBREAK 49	23721 pig number 7	Piszczac	BLOOD	SERUM
DOMESTIC PIG	23721-9/17	571	OUTBREAK 49	23721 pig number 9	Piszczac	BLOOD	SERUM
DOMESTIC PIG	23721-10/17	572	OUTBREAK 49	23721 pig number 10	Piszczac	BLOOD	SERUM
DOMESTIC PIG	23721-39/17	573	OUTBREAK 49	23721 pig number 39	Piszczac	HOMOGENATE	CLOT
DOMESTIC PIG	23721-39/17	574	OUTBREAK 49	23721 pig number 39	Piszczac	DNA	CLOT
DOMESTIC PIG	23721-41/17	575	OUTBREAK 49	23721 pig number 41	Piszczac	HOMOGENATE	CLOT
DOMESTIC PIG	23721-41/17	576	OUTBREAK 49	23721 pig number 41	Piszczac	DNA	CLOT
DOMESTIC PIG	23721-42/17	577	OUTBREAK 49	23721 pig number 42	Piszczac	HOMOGENATE	CLOT
DOMESTIC PIG	23721-42/17	578	OUTBREAK 49	23721 pig number 42	Piszczac	DNA	CLOT
DOMESTIC PIG	23721-50/17	579	OUTBREAK 49	23721 pig number 50	Piszczac	HOMOGENATE	CLOT
DOMESTIC PIG	23721-50/17	580	OUTBREAK 49	23721 pig number 50	Piszczac	DNA	CLOT
DOMESTIC PIG	23721-51/17	581	OUTBREAK 49	23721 pig number 51	Piszczac	HOMOGENATE	CLOT
DOMESTIC PIG	23721-51/17	582	OUTBREAK 49	23721 pig number 51	Piszczac	DNA	CLOT
DOMESTIC PIG	23942-5/17	583	OUTBREAK 48	23942 pig number 5	Zalesie	HOMOGENATE	CLOT
DOMESTIC PIG	23942-5/17	584	OUTBREAK 48	23942 pig number 5	Zalesie	DNA	CLOT
DOMESTIC PIG	23942-22/17	585	OUTBREAK 48	23942 pig number 22	Zalesie	HOMOGENATE	CLOT
DOMESTIC PIG	23942-22/17	586	OUTBREAK 48	23942 pig number 22	Zalesie	DNA	CLOT
DOMESTIC PIG	23942-23/17	587	OUTBREAK 48	23942 pig number 23	Zalesie	HOMOGENATE	CLOT
DOMESTIC PIG	23942-23/17	588	OUTBREAK 48	23942 pig number 23	Zalesie	DNA	CLOT
DOMESTIC PIG	23997/17	589	OUTBREAK 50	23997	Goniądz	HOMOGENATE	SPLEEN
DOMESTIC PIG	23997/17	590	OUTBREAK 50	23997	Goniądz	DNA	SPLEEN
DOMESTIC PIG	23997/17	591	OUTBREAK 50	23997	Goniądz	HOMOGENATE	KIDNEY
DOMESTIC PIG	23997/17	592	OUTBREAK 50	23997	Goniądz	DNA	KIDNEY

EXECUTION DATE: From 18th December 2017 to 3th April 2018.



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ASF DIAGNOSTIC TESTS PERFORMED:

1. ASF virological diagnosis:

I. **ASFV genome detection** 10% (w/v) clarified homogenized tissue suspensions have been prepared in phosphate-buffered saline [PNT/CISA/PPA/MUESTRAS/1]. The DNA has been extracted from the 128 tissue homogenates prepared at the EURL, the 87 tissue homogenates received, 1 blood-EDTA, 97 sera and 1 clotted blood samples using the High Pure PCR Template Preparation Kit [Ref. 11796828001 (ROCHE)] following the standardised procedure [PNT/CISA/PPA/EXTRACCIÓN ADN/1]. For amplification of the ASFV genomic DNA the UPL real-time PCR (Fernández-Pinero *et al.*, 2013) [PNT/CISA/PPA/PCR/3] has been carried out using the undiluted extracted DNA at the EURL and for all DNA samples (278) received from the NRL.

II. **ASF virus isolation and haemadsorption (HAD) assay*** [PNT/CISA/PPA/VI/1] has been performed on porcine blood monocytes (PBM) from PCR positive selected samples according to is described in the OIE Manual (OIE 2012). The PBM were inoculated at a multiplicity of infection (moi) 1:10 with the PCR positive tissue samples (8 wells/per sample; 10 µl inoculum per well). After inoculation, a preparation of 1% homologous red blood cells in phosphate-buffered saline was added to each well and incubated at 95% relative humidity with 5% CO₂ at 37°C. The plates have been examined for haemadsorption over a period of seven days. Samples have been passaged three times.

2. **ASF serological diagnosis**→ For ASF antibody detection, the 97 sera samples were tested using the OIE-Indirect ELISA [PNT/CISA/PPA/ELISA/1] following by the confirmation of positive and/or doubtful results by the OIE-Immunoblotting test [PNT/CISA/PPA/IB/1]. All sera samples were tested using the indirect immunoperoxidase technique (IPT)* [PNT/CISA/PPA/IPT/1]. In addition, 128 tissue's exudate have been tested using the indirect immunoperoxidase technique (IPT)* [PNT/CISA/PPA/IPT/1], in two fold dilutions starting from 1/20; clots and the 10% (w/v) clarified **homogenized tissue suspensions from bone marrow and from tissues which did not exudate** were tested in two fold dilutions but starting from 1/5.

3. **ASFV molecular characterization***→ Genetic characterization of ASFV was performed from representatives wild boar cases and domestic pig outbreak. In summary have been sequenced **111 out of the 152 wild boar** and **27 out of the 69 domestic pigs** throughout the analysis of four regions of the ASFV genome including; i) the C-terminal end of VP72 coding protein gene which differentiates up to 24 distinct genotypes (Boshoff *et al.*, 2007; Achenbach JE *et al.*, 2016; Quembo *et al.*, 2017), ii) the intergenic region located between the *I73R* and *I329L* genes and characterized by the presence of tandem repeat sequences (TRS) (Gallardo *et al.*, 2014), iii) the central variable region (CVR) within the *B602L*-gene also characterized by the presence of TRS



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(Gallardo *et al.*, 2011), and iv) the intergenic region between the multigene family (MGF) 505 9R and the 10R genes of ASFV genome (Elsukova, A., *et al.*, 2016).

The nucleotide sequences obtained have been compared with **923 representative genotype II ASFVs isolated since April 2007 up to January 2018** from wild and domestic pigs in Eastern and Central European countries (Czech Republic, Lithuania, Poland, Latvia, Estonia, Romania, Belarus, Ukraine, Armenia, Azerbaijan, Georgia, Moldova and Russia Federation) available at the EURL.

RESULTS

1. WILD BOAR RESULTS.

- 1.1. **ASF VIRUS DETECTION** → a **positive ASFV result** has been obtained by the UPL real-time PCR in **419 out of 446 samples tested from wild boar, confirming the presence of ASFV in 137 out of the 152 wild boar received (90.1%)**. The weak positive result (Ct>35) obtained in samples identified as 19, 29, 167, 174, 255, 268, 269, 273, 284, 286, 290, 297, 298, 301, 303, 311, 329, 362, 363, 371, 372, 385, 399, 400, 411, 416 and 417 (ID CISA) was confirmed in a second PCR amplification run in which the extracted DNA per each sample was analysed by duplicate. **No infectious virus has been obtained after three passages in PBM cells**. The results for virus detection are summarized in **table 2**.

Table 2 → ASF VIRUS DETECTION IN WILD BOAR SAMPLES								
Sample ID CISA	ID NRL	TYPE OF SAMPLE RECEIVED		UPL-real time PCR ^(a)				VI-HAD ^{(b)*} (3 passages)
				CT value	2 nd PCR CT value	3 rd PCR CT value	Result	
1	18436	HOMOGENATE	BONE MARROW	27.1	NT	NT	POSITIVE	NEGATIVE
2	18436	DNA	BONE MARROW	29.09	NT	NT	POSITIVE	NT
3	18436	DNA 1/10	BONE MARROW	31.82	NT	NT	POSITIVE	NT
4	18437	HOMOGENATE	BONE MARROW	32.43	NT	NT	POSITIVE	NT
5	18437	DNA	BONE MARROW	32.58	NT	NT	POSITIVE	NT
6	18437	DNA 1/10	BONE MARROW	34.51	NT	NT	POSITIVE	NT
7	10674	TISSUE	BONE MARROW	32.22	NT	NT	POSITIVE	NEGATIVE
8	10674	HOMOGENATE	BONE MARROW	33.53	NT	NT	POSITIVE	NT
9	10674	DNA	BONE MARROW	28.53	NT	NT	POSITIVE	NT
10	10674	DNA 1/10	BONE MARROW	31.58	NT	NT	POSITIVE	NT
11	10883 wild boar number 2	BLOOD	SERUM	No Ct	NT	NT	NEGATIVE	NT
12	11081	TISSUE	BONE MARROW	29.37	NT	NT	POSITIVE	NEGATIVE
13	11081	HOMOGENATE	BONE MARROW	30.94	NT	NT	POSITIVE	NT
14	11081	DNA	BONE MARROW	22.93	NT	NT	POSITIVE	NT
15	11081	DNA 1/10	BONE MARROW	27.57	NT	NT	POSITIVE	NT
16	11183	TISSUE	BONE MARROW	29.19	NT	NT	POSITIVE	NEGATIVE
17	11183	HOMOGENATE	BONE MARROW	29.49	NT	NT	POSITIVE	NT
18	11183	DNA	BONE MARROW	34.9	NT	NT	POSITIVE	NT
19	11183	DNA 1/10	BONE MARROW	36.25	38.39	37.95	WEAK	NT
20	11078	TISSUE	SPLEEN	19.39	NT	NT	POSITIVE	NEGATIVE
21	11078	DNA	SPLEEN	19.16	NT	NT	POSITIVE	NT



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Sample ID CISA	ID NRL	TYPE OF SAMPLE RECEIVED		UPL-real time PCR ^(a)				VI-HAD ^{(b)*} (3 passages)
				CT value	2 nd PCR CT value	3 rd PCR CT value	Result	
22	11078	TISSUE	KIDNEY	26.13	NT	NT	POSITIVE	NT
23	11078	DNA	KIDNEY	25.13	NT	NT	POSITIVE	NT
24	11181 wild boar number 4	BLOOD	SERUM	19.71	NT	NT	POSITIVE	NEGATIVE
25	11181 wild boar number 4	DNA	SERUM	19.09	NT	NT	POSITIVE	NT
30	11182	DNA	BONE MARROW	30.05	NT	NT	POSITIVE	NT
31	11182	DNA 1/10	BONE MARROW	33.92	NT	NT	POSITIVE	NT
32	11184	BLOOD	SERUM	29.27	NT	NT	POSITIVE	NEGATIVE
33	11184	DNA	SERUM	28.84	NT	NT	POSITIVE	NT
34	11609	TISSUE	BONE MARROW	27.46	NT	NT	POSITIVE	NT
35	11609	HOMOGENATE	BONE MARROW	20.85	NT	NT	POSITIVE	NEGATIVE
36	11609	DNA	BONE MARROW	22.58	NT	NT	POSITIVE	NT
37	11609	DNA 1/10	BONE MARROW	29.35	NT	NT	POSITIVE	NT
38	11610	TISSUE	BONE MARROW	33.83	NT	NT	POSITIVE	NT
39	11610	HOMOGENATE	BONE MARROW	29.93	NT	NT	POSITIVE	NEGATIVE
40	11610	DNA	BONE MARROW	34.09	NT	NT	POSITIVE	NT
41	11610	DNA 1/10	BONE MARROW	No Ct	NT	NT	NEGATIVE	NT
42	11611	TISSUE	BONE MARROW	29.42	NT	NT	POSITIVE	NT
43	11611	HOMOGENATE	BONE MARROW	28.66	NT	NT	POSITIVE	NEGATIVE
44	11611	DNA	BONE MARROW	29.89	NT	NT	POSITIVE	NT
45	11611	DNA 1/10	BONE MARROW	32.99	NT	NT	POSITIVE	NT
46	11613	TISSUE	BONE MARROW	22.43	NT	NT	POSITIVE	NEGATIVE
47	11613	HOMOGENATE	BONE MARROW	20.14	NT	NT	POSITIVE	NT
48	11613	DNA	BONE MARROW	21.99	NT	NT	POSITIVE	NT
49	11613	DNA 1/10	BONE MARROW	26.48	NT	NT	POSITIVE	NT
50	11614	TISSUE	BONE MARROW	23.99	NT	NT	POSITIVE	NEGATIVE
51	11614	HOMOGENATE	BONE MARROW	22.38	NT	NT	POSITIVE	NT
52	11614	DNA	BONE MARROW	26.07	NT	NT	POSITIVE	NT
53	11614	DNA 1/10	BONE MARROW	29.86	NT	NT	POSITIVE	NT
54	11730 WILD BOAR number 2	BLOOD	SERUM	No Ct	NT	NT	NEGATIVE	NT
55	11860 WILD BOAR number 2	BLOOD	SERUM	23.29	NT	NT	POSITIVE	NEGATIVE
56	11860 WILD BOAR number 2	DNA	SERUM	18.23	NT	NT	POSITIVE	NT
57	12004	TISSUE	SPLEEN	22.02	NT	NT	POSITIVE	NEGATIVE
58	12004	DNA	SPLEEN	20.21	NT	NT	POSITIVE	NT
59	12004	TISSUE	LYMPH NODE	18.86	NT	NT	POSITIVE	NT
60	12004	DNA	LYMPH NODE	23.48	NT	NT	POSITIVE	NT
61	12124	BLOOD	SERUM	23.58*	NT	NT	POSITIVE	NEGATIVE
62	12124	DNA	SERUM	22.74	NT	NT	POSITIVE	NT
63	12372 WILD BOAR number 2	BLOOD	SERUM	No Ct	NT	NT	NEGATIVE	NT
64	12410	BLOOD	CLOT	30.15	NT	NT	POSITIVE	NT
65	12410	HOMOGENATE	CLOT	30.97	NT	NT	POSITIVE	NEGATIVE
66	12410	DNA	CLOT	25.09	NT	NT	POSITIVE	NT
67	12456	TISSUE	LYMPH NODE	22.81	NT	NT	POSITIVE	NEGATIVE
68	12456	HOMOGENATE	LYMPH NODE	21.38	NT	NT	POSITIVE	NT
69	12456	DNA	LYMPH NODE	20.17	NT	NT	POSITIVE	NT
70	12455	TISSUE	BONE MARROW	28.24	NT	NT	POSITIVE	NT
71	12455	HOMOGENATE	BONE MARROW	20.13	NT	NT	POSITIVE	NEGATIVE
72	12455	DNA	BONE MARROW	22.52	NT	NT	POSITIVE	NT
73	12455	DNA 1/10	BONE MARROW	25.15	NT	NT	POSITIVE	NT
74	12669	TISSUE	SPLEEN	27.68	NT	NT	POSITIVE	NEGATIVE
75	12669	DNA	SPLEEN	26.18	NT	NT	POSITIVE	NT
76	12669	TISSUE	KIDNEY	29.78	NT	NT	POSITIVE	NT
77	12669	DNA	KIDNEY	26.15	NT	NT	POSITIVE	NT
78	12917	TISSUE	BONE MARROW	29.77	NT	NT	POSITIVE	NEGATIVE
79	12917	HOMOGENATE	BONE MARROW	29.2	NT	NT	POSITIVE	NT



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Sample ID CISA	ID NRL	TYPE OF SAMPLE RECEIVED		UPL-real time PCR ^(a)				VI-HAD ^{(b)*} (3 passages)
				CT value	2 nd PCR CT value	3 rd PCR CT value	Result	
80	12917	DNA	BONE MARROW	No Ct	NT	NT	NEGATIVE	NT
81	12917	DNA 1/10	BONE MARROW	32.74	NT	NT	POSITIVE	NT
82	12918 WILD BOAR number 2	BLOOD	SERUM	33.97	NT	NT	POSITIVE	NEGATIVE
83	12918 WILD BOAR number 2	DNA	SERUM	29.25	NT	NT	POSITIVE	NT
84	13259 WILD BOAR number 18	BLOOD	SERUM	20.7	NT	NT	POSITIVE	NT
85	13333	TISSUE	BONE MARROW	No Ct	NT	NT	NEGATIVE	NT
86	13333	HOMOGENATE	BONE MARROW	28.29	NT	NT	POSITIVE	NEGATIVE
87	13333	DNA	BONE MARROW	29.54	NT	NT	POSITIVE	NT
88	13333	DNA 1/10	BONE MARROW	29.87	NT	NT	POSITIVE	NT
89	13334	TISSUE	SPLEEN	33.54	NT	NT	POSITIVE	NT
90	13334	DNA	SPLEEN	24.97	NT	NT	POSITIVE	NT
91	13334	TISSUE	KIDNEY	22.15	NT	NT	POSITIVE	NEGATIVE
92	13334	DNA	KIDNEY	25.88	NT	NT	POSITIVE	NT
93	13335	TISSUE	SPLEEN	25.18	NT	NT	POSITIVE	NEGATIVE
94	13335	DNA	SPLEEN	29.98	NT	NT	POSITIVE	NT
95	13335	TISSUE	KIDNEY	23.02	NT	NT	POSITIVE	NT
96	13335	DNA	KIDNEY	25.25	NT	NT	POSITIVE	NT
97	13336	TISSUE	SPLEEN	29.68	NT	NT	POSITIVE	NEGATIVE
98	13336	DNA	SPLEEN	23.12	NT	NT	POSITIVE	NT
99	13336	TISSUE	KIDNEY	31.97	NT	NT	POSITIVE	NT
100	13336	DNA	KIDNEY	28.01	NT	NT	POSITIVE	NT
101	13337	TISSUE	SPLEEN	24.7	NT	NT	POSITIVE	NEGATIVE
102	13337	DNA	SPLEEN	26.09	NT	NT	POSITIVE	NT
103	13337	TISSUE	KIDNEY	32.65	NT	NT	POSITIVE	NT
104	13337	DNA	KIDNEY	27.113	NT	NT	POSITIVE	NT
105	13338	TISSUE	SPLEEN	32.92	NT	NT	POSITIVE	NT
106	13338	DNA	SPLEEN	24.93	NT	NT	POSITIVE	NT
107	13338	TISSUE	KIDNEY	33.27	NT	NT	POSITIVE	NT
108	13338	DNA	KIDNEY	26.9	NT	NT	POSITIVE	NT
109	13707	TISSUE	SPLEEN	21.05	NT	NT	POSITIVE	NEGATIVE
110	13707	DNA	SPLEEN	18.89	NT	NT	POSITIVE	NT
111	13707	TISSUE	LYMPH NODE	24.45	NT	NT	POSITIVE	NT
112	13707	DNA	LYMPH NODE	18.41	NT	NT	POSITIVE	NT
113	14077 WILD BOAR number 2	BLOOD	SERUM	24.5	NT	NT	POSITIVE	NEGATIVE
114	14077 WILD BOAR number 2	DNA	SERUM	18.82	NT	NT	POSITIVE	NT
115	14077 WILD BOAR number 3	BLOOD	SERUM	32.82	NT	NT	POSITIVE	NEGATIVE
116	14077 WILD BOAR number 3	DNA	SERUM	26.76	NT	NT	POSITIVE	NT
117	14274	TISSUE	SPLEEN	20.43	NT	NT	POSITIVE	NEGATIVE
118	14274	DNA	SPLEEN	17.88	NT	NT	POSITIVE	NT
119	14274	TISSUE	LYMPH NODE	24.25	NT	NT	POSITIVE	NT
120	14274	DNA	LYMPH NODE	24.37	NT	NT	POSITIVE	NT
121	14369 WILD BOAR number 9	BLOOD	SERUM	20.82	NT	NT	POSITIVE	NEGATIVE
122	14369 WILD BOAR number 9	DNA	SERUM	20.46	NT	NT	POSITIVE	NT
123	14446 WILD BOAR number 2	BLOOD	SERUM	25.71	NT	NT	POSITIVE	NEGATIVE
124	14446 WILD BOAR number 2	DNA	SERUM	26.37	NT	NT	POSITIVE	NT
125	14446 WILD BOAR number 6	BLOOD	SERUM	33.3	NT	NT	POSITIVE	NEGATIVE
126	14550	TISSUE	SPLEEN	26.76	NT	NT	POSITIVE	NEGATIVE
127	14550	DNA	SPLEEN	24.16	NT	NT	POSITIVE	NT
128	14550	TISSUE	KIDNEY	28.97	NT	NT	POSITIVE	NT
129	14550	DNA	KIDNEY	28.61	NT	NT	POSITIVE	NT
130	14541	TISSUE	BONE MARROW	34.34	NT	NT	POSITIVE	NEGATIVE
131	14541	HOMOGENATE	BONE MARROW	34.15	NT	NT	POSITIVE	NT
132	14541	DNA	BONE MARROW	31.76	NT	NT	POSITIVE	NT
133	14541	DNA 1/10	BONE MARROW	34.07	NT	NT	POSITIVE	NT



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Sample ID CISA	ID NRL	TYPE OF SAMPLE RECEIVED		UPL-real time PCR ^(a)				VI-HAD ^{(b)*} (3 passages)
				CT value	2 nd PCR CT value	3 rd PCR CT value	Result	
134	14538	BLOOD	SERUM	26.6	NT	NT	POSITIVE	NEGATIVE
135	14537	BLOOD	SERUM	25.44	NT	NT	POSITIVE	NEGATIVE
136	14537	DNA	SERUM	19.79	NT	NT	POSITIVE	NT
137	14547 WILD BOAR number 1	HOMOGENATE	CLOT	27.38	NT	NT	POSITIVE	NEGATIVE
138	14547 WILD BOAR number 1	DNA	CLOT	27.46	NT	NT	POSITIVE	NT
139	14547 WILD BOAR number 3	BLOOD	SERUM	30.61	NT	NT	POSITIVE	NEGATIVE
140	14547 WILD BOAR number 3	DNA	SERUM	30.21	NT	NT	POSITIVE	NT
141	14545	TISSUE	SPLEEN	24.49	NT	NT	POSITIVE	NEGATIVE
142	14545	HOMOGENATE	SPLEEN	24.59	NT	NT	POSITIVE	NT
143	14545	DNA	SPLEEN	20.82	NT	NT	POSITIVE	NT
144	14539	TISSUE	SPLEEN	28.41	NT	NT	POSITIVE	NEGATIVE
145	14539	HOMOGENATE	SPLEEN	27.72	NT	NT	POSITIVE	NT
146	14539	DNA	SPLEEN	20.98	NT	NT	POSITIVE	NT
147	14542 WILD BOAR number 1	HOMOGENATE	CLOT	28.9	NT	NT	POSITIVE	NEGATIVE
148	14542 WILD BOAR number 1	DNA	CLOT	20.6	NT	NT	POSITIVE	NT
149	14542 WILD BOAR number 2	HOMOGENATE	CLOT	30.83	NT	NT	POSITIVE	NEGATIVE
150	14542 WILD BOAR number 2	DNA	CLOT	25.55	NT	NT	POSITIVE	NT
151	14542 WILD BOAR number 3	HOMOGENATE	CLOT	20.87	NT	NT	POSITIVE	NEGATIVE
152	14542 WILD BOAR number 3	DNA	CLOT	21.85	NT	NT	POSITIVE	NT
153	14551	TISSUE	SPLEEN	19.84	NT	NT	POSITIVE	NEGATIVE
154	14551	DNA	SPLEEN	20.71	NT	NT	POSITIVE	NT
155	14551	TISSUE	KIDNEY	24.92	NT	NT	POSITIVE	NT
156	14551	DNA	KIDNEY	24.27	NT	NT	POSITIVE	NT
157	14540	BLOOD	SERUM	34.24	NT	NT	POSITIVE	NEGATIVE
158	14540	DNA	SERUM	28.06	NT	NT	POSITIVE	NT
159	14549	TISSUE	SPLEEN	26.91	NT	NT	POSITIVE	NEGATIVE
160	14549	DNA	SPLEEN	22.59	NT	NT	POSITIVE	NT
161	14549	TISSUE	KIDNEY	31.15	NT	NT	POSITIVE	NT
162	14549	DNA	KIDNEY	27.12	NT	NT	POSITIVE	NT
163	14677	TISSUE	SPLEEN	23.99	NT	NT	POSITIVE	NEGATIVE
164	14677	DNA	SPLEEN	22.31	NT	NT	POSITIVE	NT
165	14677	TISSUE	LYMPH NODE	22.99	NT	NT	POSITIVE	NT
166	14677	DNA	LYMPH NODE	21.62	NT	NT	POSITIVE	NT
167	14756 WILD BOAR number 3	BLOOD	SERUM	39.05	38.81	39.11	WEAK	NT
168	14880 WILD BOAR number 21	BLOOD	SERUM	33.68	NT	NT	POSITIVE	NEGATIVE
169	14880 WILD BOAR number 23	BLOOD	SERUM	No Ct	NT	NT	NEGATIVE	NT
170	14881	TISSUE	BONE MARROW	31.25	NT	NT	POSITIVE	NT
171	14881	HOMOGENATE	BONE MARROW	26.01	NT	NT	POSITIVE	NEGATIVE
172	14881	DNA	BONE MARROW	30.12	NT	NT	POSITIVE	NT
173	14881	DNA 1/10	BONE MARROW	33.79	NT	NT	POSITIVE	NT
174	14883	BLOOD	SERUM	37.25	No ct	38.9	WEAK	NEGATIVE
175	14884	TISSUE	BONE MARROW	30.6	NT	NT	POSITIVE	NT
176	14884	HOMOGENATE	BONE MARROW	29.97	NT	NT	POSITIVE	NEGATIVE
177	14884	DNA	BONE MARROW	23.37	NT	NT	POSITIVE	NT
178	14884	DNA 1/10	BONE MARROW	26.96	NT	NT	POSITIVE	NT
179	15163	TISSUE	SPLEEN	25.05	NT	NT	POSITIVE	NEGATIVE
180	15163	HOMOGENATE	SPLEEN	19.73	NT	NT	POSITIVE	NT
181	15163	DNA	SPLEEN	19.35	NT	NT	POSITIVE	NT
182	15164	TISSUE	SPLEEN	18.12	NT	NT	POSITIVE	NEGATIVE
183	15164	DNA	SPLEEN	19.57	NT	NT	POSITIVE	NT
184	15164	TISSUE	KIDNEY	24.42	NT	NT	POSITIVE	NT
185	15164	DNA	KIDNEY	22.48	NT	NT	POSITIVE	NT
186	15165	TISSUE	KIDNEY	25.75	NT	NT	POSITIVE	NEGATIVE
187	15165	HOMOGENATE	KIDNEY	23.88	NT	NT	POSITIVE	NT



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Sample ID CISA	ID NRL	TYPE OF SAMPLE RECEIVED		UPL-real time PCR ^(a)				VI-HAD ^{(b)*} (3 passages)
				CT value	2 nd PCR CT value	3 rd PCR CT value	Result	
188	15165	DNA	KIDNEY	26.91	NT	NT	POSITIVE	NT
189	15166	TISSUE	SPLEEN	26.82	NT	NT	POSITIVE	NEGATIVE
190	15166	DNA	SPLEEN	25.55	NT	NT	POSITIVE	NT
191	15166	TISSUE	KIDNEY	33.77	NT	NT	POSITIVE	NT
192	15166	DNA	KIDNEY	30.78	NT	NT	POSITIVE	NT
193	15609	HOMOGENATE	BONE MARROW	33.87	NT	NT	POSITIVE	NEGATIVE
194	15609	DNA	BONE MARROW	28.13	NT	NT	POSITIVE	NT
195	15609	DNA 1/10	BONE MARROW	19.42	NT	NT	POSITIVE	NT
196	15661	TISSUE	SPLEEN	25.81	NT	NT	POSITIVE	NEGATIVE
197	15661	DNA	SPLEEN	20.96	NT	NT	POSITIVE	NT
198	15661	TISSUE	KIDNEY	25.25	NT	NT	POSITIVE	NT
199	15661	DNA	KIDNEY	23.51	NT	NT	POSITIVE	NT
200	15712	TISSUE	SPLEEN	30.01	NT	NT	POSITIVE	NT
201	15712	DNA	SPLEEN	25.73	NT	NT	POSITIVE	NT
202	15712	TISSUE	LYMPH NODE	26.01	NT	NT	POSITIVE	NEGATIVE
203	15712	DNA	LYMPH NODE	29.09	NT	NT	POSITIVE	NT
204	15945	HOMOGENATE	LYMPH NODE	20.07	NT	NT	POSITIVE	NEGATIVE
205	15945	DNA	LYMPH NODE	23.94	NT	NT	POSITIVE	NT
206	15946	TISSUE	BONE MARROW	34.96	NT	NT	POSITIVE	NT
207	15946	HOMOGENATE	BONE MARROW	33.7	NT	NT	POSITIVE	NEGATIVE
208	15946	DNA	BONE MARROW	28.78	NT	NT	POSITIVE	NT
209	15946	DNA 1/10	BONE MARROW	31.33	NT	NT	POSITIVE	NT
210	15947	TISSUE	LYMPH NODE	24.05	NT	NT	POSITIVE	NEGATIVE
211	15947	HOMOGENATE	LYMPH NODE	23.97	NT	NT	POSITIVE	NT
212	15947	DNA	LYMPH NODE	21.24	NT	NT	POSITIVE	NT
213	16030	TISSUE	SPLEEN	26.46	NT	NT	POSITIVE	NEGATIVE
214	16030	DNA	SPLEEN	23.39	NT	NT	POSITIVE	NT
215	16030	TISSUE	LUNG	28.8	NT	NT	POSITIVE	NT
216	16030	DNA	LUNG	24.25	NT	NT	POSITIVE	NT
217	15944	TISSUE	BONE MARROW	No Ct	NT	NT	NEGATIVE	NT
218	15944	HOMOGENATE	BONE MARROW	34.2	NT	NT	POSITIVE	NEGATIVE
219	15944	DNA	BONE MARROW	33.24	NT	NT	POSITIVE	NT
220	15943 WILD BOAR number 24	BLOOD	SERUM	31.73	NT	NT	POSITIVE	NEGATIVE
221	16427	TISSUE	SPLEEN	28.08	NT	NT	POSITIVE	NEGATIVE
222	16427	DNA	SPLEEN	19.12	NT	NT	POSITIVE	NT
223	16427	TISSUE	KIDNEY	28.07	NT	NT	POSITIVE	NT
224	16427	DNA	KIDNEY	22.64	NT	NT	POSITIVE	NT
225	16730	TISSUE	SPLEEN	22.17	NT	NT	POSITIVE	NEGATIVE
226	16730	DNA	SPLEEN	20	NT	NT	POSITIVE	NT
227	16730	TISSUE	LYMPH NODE	21.21	NT	NT	POSITIVE	NT
228	16730	DNA	LYMPH NODE	22.13	NT	NT	POSITIVE	NT
229	16731	TISSUE	SPLEEN	27.74	NT	NT	POSITIVE	NEGATIVE
230	16731	DNA	SPLEEN	21.29	NT	NT	POSITIVE	NT
231	16731	TISSUE	LYMPH NODE	23.5	NT	NT	POSITIVE	NT
232	16731	DNA	LYMPH NODE	23.22	NT	NT	POSITIVE	NT
233	16734	TISSUE	BONE MARROW	31.28	NT	NT	POSITIVE	NEGATIVE
234	16734	HOMOGENATE	BONE MARROW	31.18	NT	NT	POSITIVE	NT
235	16734	DNA	BONE MARROW	27.65	NT	NT	POSITIVE	NT
236	16734	DNA 1/10	BONE MARROW	32.11	NT	NT	POSITIVE	NT
237	16916	TISSUE	SPLEEN	23.03	NT	NT	POSITIVE	NEGATIVE
238	16916	DNA	SPLEEN	21.71	NT	NT	POSITIVE	NT
239	16916	TISSUE	KIDNEY	32.31	NT	NT	POSITIVE	NT
240	16916	DNA	KIDNEY	20.84	NT	NT	POSITIVE	NT
241	16917	TISSUE	SPLEEN	27.79	NT	NT	POSITIVE	NEGATIVE



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Sample ID CISA	ID NRL	TYPE OF SAMPLE RECEIVED		UPL-real time PCR ^(a)				VI-HAD ^{(b)*} (3 passages)
				CT value	2 nd PCR CT value	3 rd PCR CT value	Result	
242	16917	DNA	SPLEEN	22.23	NT	NT	POSITIVE	NT
243	16917	TISSUE	KIDNEY	30.62	NT	NT	POSITIVE	NT
244	16917	DNA	KIDNEY	24.93	NT	NT	POSITIVE	NT
245	16918	BLOOD	SERUM	32.21	NT	NT	POSITIVE	NEGATIVE
246	16918	DNA	SERUM	28.16	NT	NT	POSITIVE	NT
247	16953	TISSUE	SPLEEN	27.5	NT	NT	POSITIVE	NEGATIVE
248	16953	DNA	SPLEEN	23.4	NT	NT	POSITIVE	NT
249	16953	TISSUE	KIDNEY	30.59	NT	NT	POSITIVE	NT
250	16953	DNA	KIDNEY	24.65	NT	NT	POSITIVE	NT
251	17218	BLOOD	SERUM	31.36	NT	NT	POSITIVE	NEGATIVE
252	17218	DNA	SERUM	27.17	NT	NT	POSITIVE	NT
253	17219	BLOOD	SERUM	32.46	NT	NT	POSITIVE	NEGATIVE
254	17219	DNA	SERUM	28.49	NT	NT	POSITIVE	NT
255	17216 WILD BOAR number 26	BLOOD	SERUM	36.53	36.29	35.61	WEAK	NT
256	18070	TISSUE	SPLEEN	22.88	NT	NT	POSITIVE	NEGATIVE
257	18070	DNA	SPLEEN	19.78	NT	NT	POSITIVE	NT
258	18070	TISSUE	KIDNEY	29.97	NT	NT	POSITIVE	NT
259	18070	DNA	KIDNEY	25.99	NT	NT	POSITIVE	NT
260	17834	TISSUE	SPLEEN	32.02	NT	NT	POSITIVE	NT
261	17834	DNA	SPLEEN	24.02	NT	NT	POSITIVE	NT
262	17834	TISSUE	KIDNEY	30.93	NT	NT	POSITIVE	NEGATIVE
263	17834	DNA	KIDNEY	25.08	NT	NT	POSITIVE	NT
264	17878	TISSUE	BONE MARROW	23.1	NT	NT	POSITIVE	NEGATIVE
265	17878	HOMOGENATE	BONE MARROW	21.03	NT	NT	POSITIVE	NT
266	17878	DNA	BONE MARROW	23.56	NT	NT	POSITIVE	NT
267	17878	DNA 1/10	BONE MARROW	27.44	NT	NT	POSITIVE	NT
268	17879	TISSUE	BONE MARROW	38.37	38.56	37.44	WEAK	NT
269	17879	HOMOGENATE	BONE MARROW	35.76	36.01	36.61	WEAK	NT
270	17879	DNA	BONE MARROW	29.31	NT	NT	POSITIVE	NT
271	17879	DNA 1/10	BONE MARROW	28.93	NT	NT	POSITIVE	NT
272	17880	TISSUE	BONE MARROW	29.46	NT	NT	POSITIVE	NEGATIVE
273	17880	HOMOGENATE	BONE MARROW	36.79	38.2	38.23	WEAK	NT
274	17880	DNA	BONE MARROW	34.39	NT	NT	POSITIVE	NT
275	17880	DNA 1/10	BONE MARROW	No Ct	NT	NT	NEGATIVE	NT
276	17907	BLOOD	SERUM	31.92	NT	NT	POSITIVE	NEGATIVE
277	17907	DNA	SERUM	32.61	NT	NT	POSITIVE	NT
278	17909	TISSUE	SPLEEN	24.31	NT	NT	POSITIVE	NEGATIVE
279	17909	DNA	SPLEEN	19.41	NT	NT	POSITIVE	NT
280	17909	TISSUE	LYMPH NODE	26.05	NT	NT	POSITIVE	NT
281	17909	DNA	LYMPH NODE	21.14	NT	NT	POSITIVE	NT
282	17962 WILD BOAR number 6	BLOOD	SERUM	No Ct	NT	NT	NEGATIVE	NT
283	17966	BLOOD	SERUM	32.82	NT	NT	POSITIVE	NEGATIVE
284	18176 WILD BOAR number 3	BLOOD	SERUM	36.42*	35.75	35.96	WEAK	NT
285	18305	TISSUE	BONE MARROW	33.27	NT	NT	POSITIVE	NEGATIVE
286	18305	HOMOGENATE	BONE MARROW	36.35*	36.14	37.41	WEAK	NT
287	18305	DNA	BONE MARROW	29.68	NT	NT	POSITIVE	NT
288	18305	DNA 1/10	BONE MARROW	31.91	NT	NT	POSITIVE	NT
289	18307	TISSUE	BONE MARROW	28.78	NT	NT	POSITIVE	NEGATIVE
290	18307	HOMOGENATE	BONE MARROW	35.5	34.99	35.69	WEAK	NT
291	18307	DNA	BONE MARROW	24.45	NT	NT	POSITIVE	NT
292	18307	DNA 1/10	BONE MARROW	28.16	NT	NT	POSITIVE	NT
293	18463	BLOOD	SERUM	32.19	NT	NT	POSITIVE	NEGATIVE
294	18463	DNA	SERUM	28.63	NT	NT	POSITIVE	NT
295	18506	TISSUE	BONE MARROW	32.81	NT	NT	POSITIVE	NEGATIVE



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Sample ID CISA	ID NRL	TYPE OF SAMPLE RECEIVED		UPL-real time PCR ^(a)				VI-HAD ^{(b)*} (3 passages)
				CT value	2 nd PCR CT value	3 rd PCR CT value	Result	
296	18506	HOMOGENATE	BONE MARROW	31.64	NT	NT	POSITIVE	NT
297	18506	DNA	BONE MARROW	36.89	36.25	35.33	WEAK	NT
298	18506	DNA 1/10	BONE MARROW	35.57	35.04	34.7	WEAK	NT
299	18507	TISSUE	BONE MARROW	31.31	NT	NT	POSITIVE	NEGATIVE
300	18507	HOMOGENATE	BONE MARROW	33.4	NT	NT	POSITIVE	NT
301	18507	DNA	BONE MARROW	37.27	35.95	37.6	WEAK	NT
302	18507	DNA 1/10	BONE MARROW	No Ct	NT	NT	NEGATIVE	NT
303	18509	HOMOGENATE	BONE MARROW	36.87	35.83	35.99	WEAK	NT
304	18509	DNA	BONE MARROW	29.05	NT	NT	POSITIVE	NT
305	18509	DNA 1/10	BONE MARROW	26.85	NT	NT	POSITIVE	NT
306	18510	TISSUE	SPLEEN	27.83	NT	NT	POSITIVE	NEGATIVE
307	18510	DNA	SPLEEN	26.77	NT	NT	POSITIVE	NT
308	18510	TISSUE	KIDNEY	28.47	NT	NT	POSITIVE	NT
309	18510	DNA	KIDNEY	27.82	NT	NT	POSITIVE	NT
310	18512	TISSUE	BONE MARROW	31.32	NT	NT	POSITIVE	NEGATIVE
311	18512	HOMOGENATE	BONE MARROW	35.29	35.25	36.59	WEAK	NT
312	18512	DNA	BONE MARROW	34.05	NT	NT	POSITIVE	NT
313	18512	DNA 1/10	BONE MARROW	34.73	NT	NT	POSITIVE	NT
314	18676	TISSUE	BONE MARROW	23.47	NT	NT	POSITIVE	NEGATIVE
315	18676	HOMOGENATE	BONE MARROW	22.41	NT	NT	POSITIVE	NT
316	18676	DNA	BONE MARROW	23.14	NT	NT	POSITIVE	NT
317	18676	DNA 1/10	BONE MARROW	27.52	NT	NT	POSITIVE	NT
318	18952	TISSUE	SPLEEN	25.04	NT	NT	POSITIVE	NEGATIVE
319	18952	DNA	SPLEEN	23.92	NT	NT	POSITIVE	NT
320	18952	TISSUE	LYMPH NODE	26.21	NT	NT	POSITIVE	NT
321	18952	DNA	LYMPH NODE	24.5	NT	NT	POSITIVE	NT
322	18953 WILD BOAR number 2	BLOOD	SERUM	No Ct	NT	NT	NEGATIVE	NT
323	19056 WILD BOAR number 11	BLOOD	SERUM	24.48	NT	NT	POSITIVE	NEGATIVE
324	19056 WILD BOAR number 11	DNA	SERUM	19.84	NT	NT	POSITIVE	NT
325	19259 WILD BOAR number 1	TISSUE	BONE MARROW	31.93	NT	NT	POSITIVE	NEGATIVE
326	19259 WILD BOAR number 1	HOMOGENATE	BONE MARROW	34.18	NT	NT	POSITIVE	NT
327	19259 WILD BOAR number 1	DNA	BONE MARROW	27.09	NT	NT	POSITIVE	NT
328	19259 WILD BOAR number 1	DNA 1/10	BONE MARROW	27.28	NT	NT	POSITIVE	NT
329	19259 WILD BOAR number 2	TISSUE	BONE MARROW	36.92	37.35	39.02	WEAK	NT
330	19259 WILD BOAR number 2	HOMOGENATE	BONE MARROW	31.69	NT	NT	POSITIVE	NEGATIVE
331	19259 WILD BOAR number 2	DNA	BONE MARROW	34.17	NT	NT	POSITIVE	NT
332	19259 WILD BOAR number 2	DNA 1/10	BONE MARROW	33.74	NT	NT	POSITIVE	NT
333	19416	HOMOGENATE	BONE MARROW	34.14	NT	NT	POSITIVE	NEGATIVE
334	19416	DNA	BONE MARROW	32.57	NT	NT	POSITIVE	NT
335	19416	DNA 1/10	BONE MARROW	No Ct	NT	NT	NEGATIVE	NT
336	19415 WILD BOAR number 43	BLOOD	SERUM	No Ct	NT	NT	NEGATIVE	NT
337	19415 WILD BOAR number 44	BLOOD	SERUM	No Ct	NT	NT	NEGATIVE	NT
338	19673 WILD BOAR number 3	BLOOD	SERUM	No Ct	NT	NT	NEGATIVE	NT
339	19924 WILD BOAR number 2	TISSUE	BONE MARROW	34.47	NT	NT	POSITIVE	NT
340	19924 WILD BOAR number 2	HOMOGENATE	BONE MARROW	29.68	NT	NT	POSITIVE	NEGATIVE
341	19924 WILD BOAR number 2	DNA	BONE MARROW	26.63	NT	NT	POSITIVE	NT
342	19924 WILD BOAR number 2	DNA 1/10	BONE MARROW	29.95	NT	NT	POSITIVE	NT
343	20063 WILD BOAR number 7	BLOOD	SERUM	No Ct*	NT	NT	NEGATIVE	NT
344	20307	TISSUE	SPLEEN	23.82	NT	NT	POSITIVE	NEGATIVE
345	20307	DNA	SPLEEN	21.09	NT	NT	POSITIVE	NT
346	20307	TISSUE	KIDNEY	34.32	NT	NT	POSITIVE	NT
347	20307	DNA	KIDNEY	27.9	NT	NT	POSITIVE	NT
348	20324	BLOOD	SERUM	28.99	NT	NT	POSITIVE	NEGATIVE
349	20324	DNA	SERUM	23.23	NT	NT	POSITIVE	NT



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Sample ID CISA	ID NRL	TYPE OF SAMPLE RECEIVED		UPL-real time PCR ^(a)				VI-HAD ^{(b)*} (3 passages)
				CT value	2 nd PCR CT value	3 rd PCR CT value	Result	
350	20439	TISSUE	BONE MARROW	26.97	NT	NT	POSITIVE	NEGATIVE
351	20439	HOMOGENATE	BONE MARROW	23.75	NT	NT	POSITIVE	NT
352	20439	DNA	BONE MARROW	25.68	NT	NT	POSITIVE	NT
353	20439	DNA 1/10	BONE MARROW	33.05	NT	NT	POSITIVE	NT
354	20323/17	BLOOD	SERUM	26.84	NT	NT	POSITIVE	NEGATIVE
355	20323/17	DNA	SERUM	20.68	NT	NT	POSITIVE	NT
356	20688	TISSUE	SPLEEN	20.76	NT	NT	POSITIVE	NEGATIVE
357	20688	DNA	SPLEEN	19.57	NT	NT	POSITIVE	NT
358	20688	TISSUE	KIDNEY	27.3	NT	NT	POSITIVE	NT
359	20688	DNA	KIDNEY	22.64	NT	NT	POSITIVE	NT
360	20689	TISSUE	KIDNEY	No Ct	NT	NT	NEGATIVE	NT
361	20689	HOMOGENATE	BONE MARROW	No Ct	NT	NT	NEGATIVE	NT
362	20689	DNA	BONE MARROW	35.34	34.74	36.54	WEAK	NT
363	20689	DNA 1/10	BONE MARROW	38.02	37.39	37.37	WEAK	NT
364	20690	TISSUE	BONE MARROW	26.06	NT	NT	POSITIVE	NEGATIVE
365	20690	HOMOGENATE	BONE MARROW	22.99	NT	NT	POSITIVE	NT
366	20690	DNA	BONE MARROW	26	NT	NT	POSITIVE	NT
367	20690	DNA 1/10	BONE MARROW	32.06	NT	NT	POSITIVE	NT
368	21044 WILD BOAR number 1	TISSUE	BONE MARROW	No Ct	NT	NT	NEGATIVE	NT
369	21044 WILD BOAR number 1	HOMOGENATE	BONE MARROW	31.19	NT	NT	POSITIVE	NEGATIVE
370	21044 WILD BOAR number 1	DNA	BONE MARROW	29.83	NT	NT	POSITIVE	NT
371	21044 WILD BOAR number 1	DNA 1/10	BONE MARROW	36.99	35.12	34.33	WEAK	NT
372	21044 WILD BOAR number 2	TISSUE	BONE MARROW	36.51	37.09	No ct	WEAK	NT
373	21044 WILD BOAR number 2	HOMOGENATE	BONE MARROW	29.97	NT	NT	POSITIVE	NEGATIVE
374	21044 WILD BOAR number 2	DNA	BONE MARROW	24.28	NT	NT	POSITIVE	NT
375	21044 WILD BOAR number 2	DNA 1/10	BONE MARROW	28.55	NT	NT	POSITIVE	NT
376	20708 WILD BOAR number 1	BLOOD	SERUM	No Ct	NT	NT	NEGATIVE	NT
377	20708 WILD BOAR number 2	BLOOD	SERUM	No Ct	NT	NT	NEGATIVE	NT
378	20708 WILD BOAR number 5	BLOOD	SERUM	No Ct	NT	NT	NEGATIVE	NT
379	20708 WILD BOAR number 6	BLOOD	SERUM	No Ct	NT	NT	NEGATIVE	NT
380	20855	TISSUE	SPLEEN	25.16	NT	NT	POSITIVE	NEGATIVE
381	20855	DNA	SPLEEN	23.45	NT	NT	POSITIVE	NT
382	20855	TISSUE	KIDNEY	23.91	NT	NT	POSITIVE	NT
383	20855	DNA	KIDNEY	24.3	NT	NT	POSITIVE	NT
384	21195	BLOOD	SERUM	24.25	NT	NT	POSITIVE	NEGATIVE
385	21199	TISSUE	BONE MARROW	35.48	35.15	35.48	WEAK	NT
386	21199	HOMOGENATE	BONE MARROW	33.63	NT	NT	POSITIVE	NEGATIVE
387	21199	DNA	BONE MARROW	24.41	NT	NT	POSITIVE	NT
388	21199	DNA 1/10	BONE MARROW	28.18	NT	NT	POSITIVE	NT
389	21419	HOMOGENATE	BONE MARROW	34.99	NT	NT	POSITIVE	NEGATIVE
390	21419	DNA	BONE MARROW	24.66	NT	NT	POSITIVE	NT
391	21419	DNA 1/10	BONE MARROW	23.45	NT	NT	POSITIVE	NT
392	21355 WILD BOAR number 5	BLOOD	SERUM	No Ct	NT	NT	NEGATIVE	NT
393	21551	BLOOD	SERUM	31.29	NT	NT	POSITIVE	NEGATIVE
394	21551	DNA	SERUM	25.89	NT	NT	POSITIVE	NT
395	22424	TISSUE	BONE MARROW	20.26	NT	NT	POSITIVE	NEGATIVE
396	22424	HOMOGENATE	BONE MARROW	30.34	NT	NT	POSITIVE	NT
397	22424	DNA	BONE MARROW	30.94	NT	NT	POSITIVE	NT
398	22424	DNA 1/10	BONE MARROW	No Ct	NT	NT	NEGATIVE	NT
399	22426	HOMOGENATE	BONE MARROW	36.57	35.98	37.19	WEAK	NT
400	22426	DNA	BONE MARROW	35.49	34.18	33.87	POSITIVE	NT
401	22426	DNA 1/10	BONE MARROW	31.91	NT	NT	POSITIVE	NT
402	22427	HOMOGENATE	BONE MARROW	26.03	NT	NT	POSITIVE	NEGATIVE
403	22427	DNA	BONE MARROW	23.33	NT	NT	POSITIVE	NT



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Sample ID CISA	ID NRL	TYPE OF SAMPLE RECEIVED		UPL-real time PCR ^(a)				VI-HAD ^{(b)*} (3 passages)
				CT value	2 nd PCR CT value	3 rd PCR CT value	Result	
404	22427	DNA 1/10	BONE MARROW	26.08	NT	NT	POSITIVE	NT
405	22428	MUSCLE	MUSCLE	34.61	NT	NT	POSITIVE	NEGATIVE
406	22428	HOMOGENATE	MUSCLE	No Ct	NT	NT	NEGATIVE	NT
407	22428	DNA	MUSCLE	25.36	NT	NT	POSITIVE	NT
408	22429	HOMOGENATE	BONE MARROW	26.58	NT	NT	POSITIVE	NEGATIVE
409	22429	DNA	BONE MARROW	22.41	NT	NT	POSITIVE	NT
410	22429	DNA 1/10	BONE MARROW	26.9	NT	NT	POSITIVE	NT
411	22430	HOMOGENATE	BONE MARROW	36.68	36.96	35.54	WEAK	NT
412	22430	DNA	BONE MARROW	31.75	NT	NT	POSITIVE	NT
413	22430	DNA 1/10	BONE MARROW	35.12	34.17	34.97	POSITIVE	NT
414	22437	BLOOD	SERUM	34.37	NT	NT	POSITIVE	NEGATIVE
415	22437	DNA	SERUM	26.13	NT	NT	POSITIVE	NT
416	22446	BLOOD	SERUM	35.84	34.22	35.25	WEAK	NT
417	22446	DNA	SERUM	38.44	34.42	37.98	WEAK	NT
418	22771	TISSUE	BONE MARROW	33.22	NT	NT	POSITIVE	NEGATIVE
419	22771	HOMOGENATE	BONE MARROW	33.98	NT	NT	POSITIVE	NT
420	22771	DNA	BONE MARROW	33.84	NT	NT	POSITIVE	NT
421	22775	BLOOD	SERUM	33.05	NT	NT	POSITIVE	NEGATIVE
422	22775	DNA	SERUM	26.75	NT	NT	POSITIVE	NT
423	22777	BLOOD	SERUM	32.99	NT	NT	POSITIVE	NEGATIVE
424	22777	DNA	SERUM	27.14	NT	NT	POSITIVE	NT
425	22949	TISSUE	BONE MARROW	30.45	NT	NT	POSITIVE	NEGATIVE
426	22949	HOMOGENATE	BONE MARROW	26.83	NT	NT	POSITIVE	NEGATIVE
427	22949	DNA	BONE MARROW	19.72	NT	NT	POSITIVE	NT
428	22949	DNA 1/10	BONE MARROW	22.9	NT	NT	POSITIVE	NT
429	22950	TISSUE	BONE MARROW	25.27	NT	NT	POSITIVE	NEGATIVE
430	22950	HOMOGENATE	BONE MARROW	23.89	NT	NT	POSITIVE	NEGATIVE
431	22950	DNA	BONE MARROW	24.41	NT	NT	POSITIVE	NT
432	22950	DNA 1/10	BONE MARROW	26.42	NT	NT	POSITIVE	NT
433	22951	TISSUE	BONE MARROW	22.84	NT	NT	POSITIVE	NEGATIVE
434	22951	HOMOGENATE	BONE MARROW	20.52	NT	NT	POSITIVE	NEGATIVE
435	22951	DNA	BONE MARROW	20.75	NT	NT	POSITIVE	NT
436	22951	DNA 1/10	BONE MARROW	23.12	NT	NT	POSITIVE	NT
437	23013	TISSUE	BONE MARROW	34.68	NT	NT	POSITIVE	NEGATIVE
438	23013	HOMOGENATE	BONE MARROW	32.73	NT	NT	POSITIVE	NEGATIVE
439	23013	DNA	BONE MARROW	29	NT	NT	POSITIVE	NT
440	23013	DNA 1/10	BONE MARROW	32.05	NT	NT	POSITIVE	NT
441	23021 WILD BOAR number 5	BLOOD	SERUM	30.02	NT	NT	POSITIVE	NEGATIVE
442	23021 WILD BOAR number 5	DNA	SERUM	31.44	NT	NT	POSITIVE	NT
443	23290	TISSUE	SPLEEN	27.3	NT	NT	POSITIVE	NEGATIVE
444	23290	HOMOGENATE	SPLEEN	27.51	NT	NT	POSITIVE	NEGATIVE
445	23290	DNA	SPLEEN	28.04	NT	NT	POSITIVE	NT
446	23352	BLOOD	SERUM	32.93	NT	NT	POSITIVE	NEGATIVE

WEAK= Ct≥35 ; NT = NOT TESTED

*EXTRACTION 1/10

- a) **UPL-real time PCR** → Real time PCR test described by Fernández et al., 2013 based on the Universal Probe Library (UPL). [PNT/CISA/PPA/PCR/3]
- b) **VI-HAD** → Virus isolation and haemadsorption test on PBM cells as is described in the OIE Manual of diagnosis for ASF (Chapter 2.8.1. OIE seventh edition 2012).



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1.2. ASF antibody detection → a total of **227 samples from 151 wild boar** were tested by IPT *. The presence of antibodies was confirmed in 151 samples which correspond to **113 out of 151 wild boar tested (74.8%)**. The results obtained in ASF antibody detection by IPT* are summarized in **table 3**.

Table 3 → Antibody detection results by IPT*							
Sample ID CISA	Sample laboratory code				URL-IPT ^(a)		CONCLUSION*
	ID tube	CASE	Tissue	Sample Type	Titer	Result	
1	18436	CASE 106	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
4	18437	CASE 106	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
7	10674	CASE 252	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
8	10674	CASE 252	HOMOGENATE	BONE MARROW	1/5	WEAK	WEAK
11	10883 WILD BOAR number 2	CASE 253	BLOOD	SERUM	1/20480	POS	POSITIVE
12	11081	CASE 255	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
13	11081	CASE 255	HOMOGENATE	BONE MARROW	1/160	POS	POSITIVE
16	11183	CASE 254	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
17	11183	CASE 254	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
20	11078	CASE 258	TISSUE	SPLEEN	1/2560	POS	WEAK
22	11078	CASE 258	TISSUE	KIDNEY	1/320	POS	POSITIVE
24	11181 WILD BOAR number 4	CASE 259	BLOOD	SERUM	1/320	POS	POSITIVE
26	11182 WILD BOAR number 3	CASE 259	BLOOD	SERUM	NEG	NEG	NEGATIVE
28	11182	CASE 257	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
29	11182	CASE 257	HOMOGENATE	BONE MARROW	1/5	WEAK	WEAK
32	11184	CASE 256	BLOOD	SERUM	1/40960	POS	POSITIVE
34	11609	CASE 260	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
35	11609	CASE 260	HOMOGENATE	BONE MARROW	1/320	POS	POSITIVE
38	11610	CASE 261	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
39	11610	CASE 261	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
42	11611	CASE 262	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
43	11611	CASE 262	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
46	11613	CASE 263	TISSUE	BONE MARROW	1/160	POS	POSITIVE
47	11613	CASE 263	HOMOGENATE	BONE MARROW	1/1280	POS	POSITIVE
50	11614	CASE 264	TISSUE	BONE MARROW	1/40	WEAK	WEAK
51	11614	CASE 264	HOMOGENATE	BONE MARROW	1/80	POS	POSITIVE
54	11730 WILD BOAR number 2	CASE 265	BLOOD	SERUM	1/5120	POS	POSITIVE
55	11860 WILD BOAR number 2	CASE 266	BLOOD	SERUM	1/640	POS	POSITIVE
57	12004	CASE 267	TISSUE	SPLEEN	NEG	NEG	NEGATIVE
59	12004	CASE 267	TISSUE	LYMPH NODE	1/640	POS	POSITIVE
61	12124	CASE 268	BLOOD	SERUM	1/10240	POS	POSITIVE
63	12372 WILD BOAR number 2	CASE 269	BLOOD	SERUM	1/40960	POS	POSITIVE
64	12410	CASE 270	CLOT	CLOT	1/160	POS	POSITIVE
67	12456	CASE 272	TISSUE	LYMPH NODE	1/10240	POS	POSITIVE
70	12455	CASE 271	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
71	12455	CASE 271	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
74	12669	CASE 273	TISSUE	SPLEEN	1/1280	POS	POSITIVE
76	12669	CASE 273	TISSUE	KIDNEY	1/20480	POS	POSITIVE
78	12917	CASE 275	TISSUE	BONE MARROW	1/20	WEAK	WEAK
79	12917	CASE 275	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
82	12918 WILD BOAR number 2	CASE 274	BLOOD	SERUM	1/640	POS	POSITIVE
84	13259 WILD BOAR number 18	CASE 276	BLOOD	SERUM	1/10240	POS	POSITIVE
85	13333	CASE 277	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
86	13333	CASE 277	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
89	13334	CASE 277	TISSUE	SPLEEN	1/10240	POS	POSITIVE
91	13334	CASE 277	TISSUE	KIDNEY	1/5120	POS	POSITIVE



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Sample ID CISA	Sample laboratory code				URL-IPT ^(a)		CONCLUSION*
	ID tube		Sample Type	Titer	Result		
93	13335	CASE 277	TISSUE	SPLEEN	1/320	POS	POSITIVE
95	13335	CASE 277	TISSUE	KIDNEY	1/640	POS	POSITIVE
97	13336	CASE 277	TISSUE	SPLEEN	1/80	POS	POSITIVE
99	13336	CASE 277	TISSUE	KIDNEY	1/80	POS	POSITIVE
101	13337	CASE 277	TISSUE	SPLEEN	1/5120	POS	POSITIVE
103	13337	CASE 277	TISSUE	KIDNEY	1/20	WEAK	WEAK
105	13338	CASE 277	TISSUE	SPLEEN	1/80	POS	POSITIVE
107	13338	CASE 277	TISSUE	KIDNEY	NEG	NEG	NEGATIVE
109	13707	CASE 278	TISSUE	SPLEEN	NEG	NEG	NEGATIVE
111	13707	CASE 278	TISSUE	LYMPH NODE	NEG	NEG	NEGATIVE
113	14077 WILD BOAR number 2	CASE 279	BLOOD	SERUM	1/2560	POS	POSITIVE
115	14077 WILD BOAR number 3	CASE 280	BLOOD	SERUM	1/1280	POS	POSITIVE
117	14274	CASE 281	TISSUE	SPLEEN	1/2560	POS	POSITIVE
119	14274	CASE 281	TISSUE	LYMPH NODE	1/1280	POS	POSITIVE
121	14369 WILD BOAR number 9	CASE 282	BLOOD	SERUM	1/1280	POS	POSITIVE
123	14446 WILD BOAR number 2	CASE 283	BLOOD	SERUM	1/20480	POS	POSITIVE
125	14446 WILD BOAR number 6	CASE 284	BLOOD	SERUM	1/81920	POS	POSITIVE
126	14550	CASE 291	TISSUE	SPLEEN	1/10240	POS	POSITIVE
128	14550	CASE 291	TISSUE	KIDNEY	1/320	POS	POSITIVE
130	14541	CASE 289	TISSUE	BONE MARROW	1/5	WEAK	WEAK
131	14541	CASE 289	HOMOGENATE	BONE MARROW	1/160	POS	POSITIVE
134	14538	CASE 286	BLOOD	SERUM	1/2560	POS	POSITIVE
135	14537	CASE 285	BLOOD	SERUM	1/1280	POS	POSITIVE
137	14547 WILD BOAR number 1	CASE 288	HOMOGENATE	CLOT	1/640	POS	POSITIVE
139	14547 WILD BOAR number 3	CASE 288	BLOOD	SERUM	NEG	NEG	NEGATIVE
141	14545	CASE 290	TISSUE	SPLEEN	NEG	NEG	NEGATIVE
144	14539	CASE 287	TISSUE	SPLEEN	NEG	NEG	NEGATIVE
147	14542 WILD BOAR number 1	CASE 292	HOMOGENATE	CLOT	NEG	NEG	NEGATIVE
149	14542 WILD BOAR number 2	CASE 292	HOMOGENATE	CLOT	1/640	POS	POSITIVE
151	14542 WILD BOAR number 3	CASE 292	HOMOGENATE	CLOT	NEG	NEG	NEGATIVE
153	14551	CASE 291	TISSUE	SPLEEN	1/40	WEAK	WEAK
155	14551	CASE 291	TISSUE	KIDNEY	NEG	NEG	NEGATIVE
157	14540	CASE 293	BLOOD	SERUM	1/1280	POS	POSITIVE
159	14549	CASE 291	TISSUE	SPLEEN	1/5	WEAK	WEAK
161	14549	CASE 291	TISSUE	KIDNEY	1/5	WEAK	WEAK
163	14677	CASE 294	TISSUE	SPLEEN	1/640	POS	POSITIVE
165	14677	CASE 294	TISSUE	LYMPH NODE	1/2560	POS	POSITIVE
167	14756 WILD BOAR number 3	CASE 295	BLOOD	SERUM	1/81920	POS	POSITIVE
168	14880 WILD BOAR number 21	CASE 299	BLOOD	SERUM	1/40960	POS	POSITIVE
169	14880 WILD BOAR number 23	CASE 300	BLOOD	SERUM	1/40960	POS	POSITIVE
170	14881	CASE 296	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
171	14881	CASE 296	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
174	14883	CASE 297	BLOOD	SERUM	1/10240	POS	POSITIVE
175	14884	CASE 298	TISSUE	BONE MARROW	1/5	WEAK	WEAK
176	14884	CASE 298	HOMOGENATE	BONE MARROW	1/320	POS	POSITIVE
179	15163	CASE 301	TISSUE	SPLEEN	NEG	NEG	NEGATIVE
182	15164	CASE 302	TISSUE	SPLEEN	1/1280	POS	POSITIVE
184	15164	CASE 302	TISSUE	KIDNEY	1/5	WEAK	WEAK
186	15165	CASE 303	TISSUE	KIDNEY	NEG	NEG	NEGATIVE
189	15166	CASE 303	TISSUE	SPLEEN	1/1280	POS	POSITIVE
191	15166	CASE 303	TISSUE	KIDNEY	1/10	WEAK	WEAK
193	15609	CASE 304	HOMOGENATE	BONE MARROW	1/160	POS	POSITIVE
196	15661	CASE 305	TISSUE	SPLEEN	1/40	WEAK	WEAK
198	15661	CASE 305	TISSUE	KIDNEY	NEG	NEG	NEGATIVE



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Sample ID CISA	Sample laboratory code				URL-IPT ^(a)		CONCLUSION*
	ID tube		Sample Type	Titer	Result		
200	15712	CASE 306	TISSUE	SPLEEN	1/40	WEAK	WEAK
202	15712	CASE 306	TISSUE	LYMPH NODE	1/2560	POS	POSITIVE
206	15946	CASE 308	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
207	15946	CASE 308	HOMOGENATE	BONE MARROW	1/40	WEAK	WEAK
210	15947	CASE 311	TISSUE	LYMPH NODE	1/40	WEAK	WEAK
213	16030	CASE 307	TISSUE	SPLEEN	1/10240	POS	POSITIVE
215	16030	CASE 307	TISSUE	LUNG	1/40960	POS	POSITIVE
217	15944	CASE 310	TISSUE	BONE MARROW	NEG	NEG	
218	15944	CASE 310	HOMOGENATE	BONE MARROW	1/80	POS	POSITIVE
220	15943 WILD BOAR number 24	CASE 312	BLOOD	SERUM	1/40960	POS	POSITIVE
221	16427	CASE 313	TISSUE	SPLEEN	NEG	NEG	NEGATIVE
223	16427	CASE 313	TISSUE	KIDNEY	1/10	WEAK	WEAK
225	16730	CASE 316	TISSUE	SPLEEN	1/320	POS	POSITIVE
227	16730	CASE 316	TISSUE	LYMPH NODE	1/80	POS	POSITIVE
229	16731	CASE 315	TISSUE	SPLEEN	1/20	WEAK	WEAK
231	16731	CASE 315	TISSUE	LYMPH NODE	1/40	WEAK	WEAK
233	16734	CASE 314	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
234	16734	CASE 314	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
237	16916	CASE 317	TISSUE	SPLEEN	1/10	WEAK	WEAK
239	16916	CASE 317	TISSUE	KIDNEY	1/10	WEAK	WEAK
241	16917	CASE 318	TISSUE	SPLEEN	1/1280	POS	POSITIVE
243	16917	CASE 318	TISSUE	KIDNEY	1/5120	POS	POSITIVE
245	16918	CASE 319	BLOOD	SERUM	1/320	POS	POSITIVE
247	16953	CASE 320	TISSUE	SPLEEN	NEG	NEG	NEGATIVE
249	16953	CASE 320	TISSUE	KIDNEY	NEG	NEG	NEGATIVE
251	17218	CASE 321	BLOOD	SERUM	1/2560	POS	POSITIVE
253	17219	CASE 322	BLOOD	SERUM	1/160	POS	POSITIVE
255	17216 WILD BOAR number 26	CASE 323	BLOOD	SERUM	1/1310720	POS	POSITIVE
256	18070	CASE 324	TISSUE	SPLEEN	1/80	POS	POSITIVE
258	18070	CASE 324	TISSUE	KIDNEY	NEG	NEG	NEGATIVE
260	17834	CASE 325	TISSUE	SPLEEN	1/160	POS	POSITIVE
262	17834	CASE 325	TISSUE	KIDNEY	NEG	NEG	NEGATIVE
264	17878	CASE 328	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
265	17878	CASE 328	HOMOGENATE	BONE MARROW	1/40	WEAK	WEAK
268	17879	CASE 327	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
269	17879	CASE 327	HOMOGENATE	BONE MARROW	1/20	WEAK	WEAK
272	17880	CASE 327	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
273	17880	CASE 327	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
276	17907	CASE 326	BLOOD	SERUM	1/81920	POS	POSITIVE
278	17909	CASE 326	TISSUE	SPLEEN	NEG	NEG	NEGATIVE
280	17909	CASE 326	TISSUE	LYMPH NODE	1/1280	POS	POSITIVE
282	17962 WILD BOAR number 6	CASE 330	BLOOD	SERUM	1/10240	POS	POSITIVE
283	17966	CASE 329	BLOOD	SERUM	1/327680	POS	POSITIVE
284	18176 WILD BOAR number 3	CASE 331	BLOOD	SERUM	1/327680	POS	POSITIVE
285	18305	CASE 332	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
286	18305	CASE 332	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
289	18307	CASE 333	TISSUE	BONE MARROW	1/320	POS	POSITIVE
290	18307	CASE 333	HOMOGENATE	BONE MARROW	1/320	POS	POSITIVE
293	18463	CASE 335	BLOOD	SERUM	1/80	POS	POSITIVE
295	18506	CASE 335	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
296	18506	CASE 335	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
299	18507	CASE 335	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
300	18507	CASE 335	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
303	18509	CASE 335	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE



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Sample ID CISA	Sample laboratory code					URL-IPT ^(a)		CONCLUSION*
	ID tube		Sample Type	Titer	Result			
306	18510	CASE 335	TISSUE	SPLEEN	1/5	WEAK	WEAK	
308	18510	CASE 335	TISSUE	KIDNEY	NEG	NEG	NEGATIVE	
310	18512	CASE 335	TISSUE	BONE MARROW	1/10	WEAK	WEAK	
311	18512	CASE 335	HOMOGENATE	BONE MARROW	1/10	WEAK	WEAK	
314	18676	CASE 334	TISSUE	BONE MARROW	1/40	WEAK	WEAK	
315	18676	CASE 334	HOMOGENATE	BONE MARROW	1/320	POS	POSITIVE	
318	18952	CASE 336	TISSUE	SPLEEN	1/10240	POS	POSITIVE	
320	18952	CASE 336	TISSUE	LYMPH NODE	1/10240	POS	POSITIVE	
322	18953 WILD BOAR number 2	CASE 337	BLOOD	SERUM	1/655360	POS	POSITIVE	
323	19056 WILD BOAR number 11	CASE 338	BLOOD	SERUM	NEG	NEG	NEGATIVE	
325	19259 WILD BOAR number 1	CASE 339	TISSUE	BONE MARROW	1/5	WEAK	WEAK	
326	19259 WILD BOAR number 1	CASE 339	HOMOGENATE	BONE MARROW	1/40	WEAK	WEAK	
329	19259 WILD BOAR number 2	CASE 339	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE	
330	19259 WILD BOAR number 2	CASE 339	HOMOGENATE	BONE MARROW	1/20	WEAK	WEAK	
333	19416	CASE 340	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE	
336	19415 WILD BOAR number 43	CASE 342	BLOOD	SERUM	1/20480	POS	POSITIVE	
337	19415 WILD BOAR number 44	CASE 343	BLOOD	SERUM	1/20480	POS	POSITIVE	
338	19673 WILD BOAR number 3	CASE 341	BLOOD	SERUM	1/327680	POS	POSITIVE	
339	19924 WILD BOAR number 2	CASE 344	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE	
340	19924 WILD BOAR number 2	CASE 344	HOMOGENATE	BONE MARROW	1/20	WEAK	WEAK	
343	20063 WILD BOAR number 7	CASE 345	BLOOD	SERUM	1/40960	POS	POSITIVE	
344	20307	CASE 346	TISSUE	SPLEEN	1/1280	POS	POSITIVE	
346	20307	CASE 346	TISSUE	KIDNEY	1/640	POS	POSITIVE	
348	20324	CASE 348	BLOOD	SERUM	NEG	NEG	NEGATIVE	
350	20439	CASE 347	TISSUE	BONE MARROW	1/80	POS	POSITIVE	
351	20439	CASE 347	HOMOGENATE	BONE MARROW	1/160	POS	POSITIVE	
354	20323/17	CASE 349	BLOOD	SERUM	NEG	NEG	NEGATIVE	
356	20688	CASE 350	TISSUE	SPLEEN	1/1280	POS	POSITIVE	
358	20688	CASE 350	TISSUE	KIDNEY	1/2560	POS	POSITIVE	
360	20689	CASE 351	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE	
361	20689	CASE 351	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE	
364	20690	CASE 352	TISSUE	BONE MARROW	1/20	WEAK	WEAK	
365	20690	CASE 352	HOMOGENATE	BONE MARROW	1/80	POS	POSITIVE	
368	21044 WILD BOAR number 1	CASE 354	TISSUE	BONE MARROW	1/40	WEAK	WEAK	
369	21044 WILD BOAR number 1	CASE 354	HOMOGENATE	BONE MARROW	1/320	POS	POSITIVE	
372	21044 WILD BOAR number 2	CASE 355	TISSUE	BONE MARROW	1/20	WEAK	WEAK	
373	21044 WILD BOAR number 2	CASE 355	HOMOGENATE	BONE MARROW	1/160	POS	POSITIVE	
376	20708 WILD BOAR number 1	CASE 356	BLOOD	SERUM	1/10240	POS	POSITIVE	
377	20708 WILD BOAR number 2	CASE 357	BLOOD	SERUM	1/20480	POS	POSITIVE	
378	20708 WILD BOAR number 5	CASE 358	BLOOD	SERUM	1/1280	POS	POSITIVE	
379	20708 WILD BOAR number 6	CASE 359	BLOOD	SERUM	1/81920	POS	POSITIVE	
380	20855	CASE 353	TISSUE	SPLEEN	NEG	NEG	NEGATIVE	
382	20855	CASE 353	TISSUE	KIDNEY	NEG	NEG	NEGATIVE	
384	21195	CASE 362	BLOOD	SERUM	1/20480	POS	POSITIVE	
385	21199	CASE 361	TISSUE	BONE MARROW	1/20	WEAK	WEAK	
386	21199	CASE 361	HOMOGENATE	BONE MARROW	1/320	POS	POSITIVE	
389	21419	CASE 360	HOMOGENATE	BONE MARROW	1/160	POS	POSITIVE	
392	21355 WILD BOAR number 5	CASE 364	BLOOD	SERUM	1/20480	POS	POSITIVE	
393	21551	CASE 363	BLOOD	SERUM	1/40960	POS	POSITIVE	
395	22424	CASE 369	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE	
396	22424	CASE 369	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE	
399	22426	CASE 366	HOMOGENATE	BONE MARROW	1/20	WEAK	WEAK	
402	22427	CASE 367	HOMOGENATE	BONE MARROW	1/20	WEAK	WEAK	
405	22428	CASE 368	MUSCLE	MUSCLE	NEG	NEG	NEGATIVE	



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Sample ID CISA	Sample laboratory code				URL-IPT ^(a)		CONCLUSION*
	ID tube		Sample Type	Titer	Result		
408	22429	CASE 368	HOMOGENATE	BONE MARROW	1/40	WEAK	WEAK
411	22430	CASE 366	HOMOGENATE	BONE MARROW	1/80	POS	POSITIVE
414	22437	CASE 370	BLOOD	SERUM	1/10240	POS	POSITIVE
416	22446	CASE 365	BLOOD	SERUM	1/327680	POS	POSITIVE
418	22771	CASE 371	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
419	22771	CASE 371	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
421	22775	CASE 372	BLOOD	SERUM	NEG	NEG	NEGATIVE
423	22777	CASE 373	BLOOD	SERUM	1/320	POS	POSITIVE
425	22949	CASE 374	TISSUE	BONE MARROW	1/40	WEAK	WEAK
426	22949	CASE 374	HOMOGENATE	BONE MARROW	1/320	POS	POSITIVE
429	22950	CASE 375	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
430	22950	CASE 375	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
433	22951	CASE 376	TISSUE	BONE MARROW	1/80	POS	POSITIVE
434	22951	CASE 376	HOMOGENATE	BONE MARROW	1/320	POS	POSITIVE
437	23013	CASE 378	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
438	23013	CASE 378	HOMOGENATE	BONE MARROW	NEG	NEG	NEGATIVE
441	23021 WILD BOAR number 5	CASE 379	BLOOD	SERUM	NEG	NEG	NEGATIVE
443	23290	CASE 377	TISSUE	SPLEEN	1/5120	POS	POSITIVE
446	23352	CASE 380	BLOOD	SERUM	1/655360	POS	POSITIVE

WEAK= IPT Titre <1/80;

A) URL-IPT→ Indirect immunoperoxidase technique on E70-MS infected cells using the protocol standardized and validated by the European Union Reference Laboratory (EURL). [PNT/CISA/PPA/IPT/1]

47 out of 54 serum samples received from wild boar gave a positive result by IPT, whereas the number decreased to 21 (14 positive and 7 doubtful) when tested by the OIE-indirect ELISA test. All of them were confirmed as positives by IPT and only 14 by the IB test (5 with a weak result). See **table 4**.

Table 4→ ASF antibody detection in serum samples

ID CISA	ID NRL	TYPE OF SAMPLE	OIE-ELISA ^(a)		OIE-IB ^(b)	URL-IPT ^(c)		CONCLUSION*
			O.D. value	Result		Titer	Result	
11	10883 WILD BOAR number 2	SERUM	0.553	POS	NEG	1/20480	POS	POSITIVE
24	11181 WILD BOAR number 4	SERUM	0.097	NEG	NT	1/320	POS	POSITIVE
26	11182 WILD BOAR number 3	SERUM	0.054	NEG	NT	NEG	NEG	NEGATIVE
32	11184	SERUM	0.243	NEG	NT	1/40960	POS	POSITIVE
54	11730 WILD BOAR number 2	SERUM	0.603	POS	NEG	1/5120	POS	POSITIVE
55	11860 WILD BOAR number 2	SERUM	0.104	NEG	NT	1/640	POS	POSITIVE
61	12124	SERUM	0.221	NEG	NT	1/10240	POS	POSITIVE
63	12372 WILD BOAR number 2	SERUM	1.494	POS	WEAK	1/40960	POS	POSITIVE
82	12918 WILD BOAR number 2	SERUM	0.066	NEG	NT	1/640	POS	POSITIVE
84	13259 WILD BOAR number 18	SERUM	0.231	NEG	NT	1/10240	POS	POSITIVE
113	14077 WILD BOAR number 2	SERUM	0.216	NEG	NT	1/2560	POS	POSITIVE
115	14077 WILD BOAR number 3	SERUM	0.084	NEG	NT	1/1280	POS	POSITIVE
121	14369 WILD BOAR number 9	SERUM	0.22	NEG	NT	1/1280	POS	POSITIVE
123	14446 WILD BOAR number 2	SERUM	0.225	NEG	NT	1/20480	POS	POSITIVE
125	14446 WILD BOAR number 6	SERUM	0.611	POS	WEAK	1/81920	POS	POSITIVE
134	14538	SERUM	0.231	NEG	NT	1/2560	POS	POSITIVE
135	14537	SERUM	0.146	NEG	NT	1/1280	POS	POSITIVE
139	14547 WILD BOAR number 3	SERUM	0.057	NEG	NT	NEG	NEG	NEGATIVE
157	14540	SERUM	0.099	NEG	NT	1/1280	POS	POSITIVE



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ID CISA	ID NRL	TYPE OF SAMPLE	OIE-ELISA ^(a)		OIE-IB ^(b)	URL-IPT* ^(c)		CONCLUSION*
			O.D. value	Result		Titer	Result	
167	14756 WILD BOAR number 3	SERUM	1.053	POS	NEG	1/81920	POS	POSITIVE
168	14880 WILD BOAR number 21	SERUM	0.926	POS	POS	1/40960	POS	POSITIVE
169	14880 WILD BOAR number 23	SERUM	0.569	POS	WEAK	1/40960	POS	POSITIVE
174	14883	SERUM	0.178	NEG	NT	1/10240	POS	POSITIVE
220	15943 WILD BOAR number 24	SERUM	1.067	POS	POS	1/40960	POS	POSITIVE
245	16918	SERUM	0.062	NEG	NT	1/320	POS	POSITIVE
251	17218	SERUM	0.064	NEG	NT	1/2560	POS	POSITIVE
253	17219	SERUM	0.061	NEG	NT	1/160	POS	POSITIVE
255	17216 WILD BOAR number 26	SERUM	1.364	POS	POS	1/1310720	POS	POSITIVE
276	17907	SERUM	0.487	DOUBT	POS	1/81920	POS	POSITIVE
282	17962 WILD BOAR number 6	SERUM	0.467	DOUBT	NEG	1/10240	POS	POSITIVE
283	17966	SERUM	0.619	POS	POS	1/327680	POS	POSITIVE
284	18176 WILD BOAR number 3	SERUM	0.85	POS	POS	1/327680	POS	POSITIVE
293	18463	SERUM	0.074	NEG	NT	1/80	POS	POSITIVE
322	18953 WILD BOAR number 2	SERUM	0.508	DOUBT	WEAK	1/655360	POS	POSITIVE
323	19056 WILD BOAR number 11	SERUM	0.068	NEG	NT	NEG	NEG	NEGATIVE
336	19415 WILD BOAR number 43	SERUM	0.216	NEG	NT	1/20480	POS	POSITIVE
337	19415 WILD BOAR number 44	SERUM	0.271	NEG	NT	1/20480	POS	POSITIVE
338	19673 WILD BOAR number 3	SERUM	0.951	POS	POS	1/327680	POS	POSITIVE
343	20063 WILD BOAR number 7	SERUM	0.433	DOUBT	NEG	1/40960	POS	POSITIVE
348	20324	SERUM	0.065	NEG	NT	NEG	NEG	NEGATIVE
354	20323/17	SERUM	0.178	NEG	NT	NEG	NEG	NEGATIVE
376	20708 WILD BOAR number 1	SERUM	0.221	NEG	NT	1/10240	POS	POSITIVE
377	20708 WILD BOAR number 2	SERUM	0.283	NEG	NT	1/20480	POS	POSITIVE
378	20708 WILD BOAR number 5	SERUM	0.348	DOUBT	NEG	1/1280	POS	POSITIVE
379	20708 WILD BOAR number 6	SERUM	1.24	POS	WEAK	1/81920	POS	POSITIVE
384	21195	SERUM	0.173	NEG	NT	1/20480	POS	POSITIVE
392	21355 WILD BOAR number 5	SERUM	0.458	DOUBT	NEG	1/20480	POS	POSITIVE
393	21551	SERUM	0.198	NEG	NT	1/40960	POS	POSITIVE
414	22437	SERUM	0.093	NEG	NT	1/10240	POS	POSITIVE
416	22446	SERUM	0.502	DOUBT	POS	1/327680	POS	POSITIVE
421	22775	SERUM	0.052	NEG	NT	NEG	NEG	NEGATIVE
423	22777	SERUM	0.054	NEG	NT	1/320	POS	POSITIVE
441	23021 WILD BOAR number 5	SERUM	0.092	NEG	NT	NEG	NEG	NEGATIVE
446	23352	SERUM	0.618	POS	POS	1/655360	POS	POSITIVE

NT=NOT TESTED;

(a) OIE-ELISA → indirect ELISA described in the OIE Manual of diagnosis for ASF (Chapter 2.8.1. OIE seven edition 2012). [PNT/CISA/PPA/ELISA/1]

(b) OIE-IB → Immunoblotting described in the OIE Manual of diagnosis for ASF (Chapter 2.8.1. OIE seven edition 2012) [PNT/CISA/PPA/IB/1]

(c) URL-IPT → indirect immunoperoxidase technique on E70MS infected cells using the protocol standardized and validated by the European Union Reference Laboratory (URL). [PNT/CISA/PPA/IPT/1]

2. DOMESTIC PIG RESULTS.

2.1. ASF VIRUS DETECTION → a **positive ASFV result** has been obtained by the UPL real-time PCR in **145 out of 146 samples tested from domestic pigs, confirming the presence of ASFV in all the domestic pigs received (49 domestic pigs)**. The weak positive result (**Ct>35**) obtained in samples identified as 500, 501, 510, 512 and 553 (ID CISA) was confirmed in a second PCR



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amplification run in which the extracted DNA per each sample was analysed by duplicate. 28 PCR positive samples selected from each of the outbreaks received were subjected to virus isolation. After 3 passages **the ASF virus was isolated, showing the haemadsorbing pattern in 5 (ID CISA 453, 463, 471, 496 and 573) of the 29 domestic pigs tested from virus isolation from the outbreaks 29, 31, 36 and 49.** The results for virus detection are summarized in **table 5.**

Table 5 → ASF VIRUS DETECTION IN DOMESTIC PIG SAMPLES								
Sample ID CISA	ID NRL	TYPE OF SAMPLE RECEIVED		UPL-real time PCR ^(a)				VI-HAD ^{(b)*} (3 passages)
				CT value	2 nd PCR CT value	3 rd PCR CT value	Result	
447	19426	HOMOGENATE	CLOT	23.08	NT	NT	POSITIVE	NEGATIVE
448	19426	DNA	CLOT	24.93	NT	NT	POSITIVE	NT
449	19918 pig number 2	BLOOD	SERUM	24.43	NT	NT	POSITIVE	NT
450	19918 pig number 2	DNA	SERUM	24.26	NT	NT	POSITIVE	NT
451	19918 pig number 4	BLOOD	SERUM	21.81	NT	NT	POSITIVE	NT
452	19918 pig number 4	DNA	SERUM	22.16	NT	NT	POSITIVE	NT
453	19267 pig number 2	BLOOD	SERUM	22.32	NT	NT	POSITIVE	POSITIVE
454	19267 pig number 2	DNA	SERUM	21.87	NT	NT	POSITIVE	NT
455	19919	BLOOD	SERUM	21.79	NT	NT	POSITIVE	NEGATIVE
456	19919	DNA	SERUM	21.95	NT	NT	POSITIVE	NT
457	19921	BLOOD	SERUM	23.56	NT	NT	POSITIVE	NEGATIVE
458	19921	DNA	SERUM	29.11	NT	NT	POSITIVE	NT
459	19532	BLOOD	SERUM	19.89	NT	NT	POSITIVE	NEGATIVE
460	19532	DNA	SERUM	17.4	NT	NT	POSITIVE	NT
461	20269	HOMOGENATE	CLOT	21.81	NT	NT	POSITIVE	NEGATIVE
462	20269	DNA	CLOT	21.17	NT	NT	POSITIVE	NT
463	20270	BLOOD	SERUM	17.9	NT	NT	POSITIVE	POSITIVE
464	20270	DNA	SERUM	18.63	NT	NT	POSITIVE	NT
465	20309	BLOOD	SERUM	22.05	NT	NT	POSITIVE	NT
466	20309	DNA	SERUM	20.72	NT	NT	POSITIVE	NT
467	20424	TISSUE	SPLEEN	23.66	NT	NT	POSITIVE	NEGATIVE
468	20424	DNA	SPLEEN	22.52	NT	NT	POSITIVE	NT
469	20424	TISSUE	TONSIL	28.33	NT	NT	POSITIVE	NT
470	20424	DNA	TONSIL	28.35	NT	NT	POSITIVE	NT
471	20425	TISSUE	SPLEEN	19.35	NT	NT	POSITIVE	POSITIVE
472	20425	DNA	SPLEEN	19.11	NT	NT	POSITIVE	NT
473	20425	TISSUE	KIDNEY	24.49	NT	NT	POSITIVE	NT
474	20425	DNA	KIDNEY	20.72	NT	NT	POSITIVE	NT
475	20993	TISSUE	SPLEEN	21.4	NT	NT	POSITIVE	NEGATIVE
476	20993	DNA	SPLEEN	21.61	NT	NT	POSITIVE	NT
477	20993	TISSUE	KIDNEY	25.69	NT	NT	POSITIVE	NT
478	20993	DNA	KIDNEY	23.17	NT	NT	POSITIVE	NT
479	21115 pig number 3	BLOOD	SERUM	25.38	NT	NT	POSITIVE	NEGATIVE
480	21115 pig number 3	DNA	SERUM	25.47	NT	NT	POSITIVE	NT
481	21117 pig number 1	BLOOD	SERUM	22.4	NT	NT	POSITIVE	NEGATIVE
482	21117 pig number 1	DNA	SERUM	21.48	NT	NT	POSITIVE	NT
483	21117 pig number 2	BLOOD	SERUM	22.84	NT	NT	POSITIVE	NT
484	21117 pig number 2	DNA	SERUM	20.88	NT	NT	POSITIVE	NT
485	21117 pig number 3	BLOOD	SERUM	27.27*	NT	NT	POSITIVE	NT
486	21117 pig number 3	DNA	SERUM	25.16	NT	NT	POSITIVE	NT
487	21117 pig number 4	BLOOD	SERUM	24.53	NT	NT	POSITIVE	NT



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Sample ID CISA	ID NRL	TYPE OF SAMPLE RECEIVED		UPL-real time PCR ^(a)				VI-HAD ^{(b)*} (3 passages)
				CT value	2 nd PCR CT value	3 rd PCR CT value	Result	
488	21117 pig number 4	DNA	SERUM	25.4	NT	NT	POSITIVE	NT
489	21117 pig number 5	BLOOD	SERUM	23.24	NT	NT	POSITIVE	NT
490	21197	BLOOD	SERUM	22.78	NT	NT	POSITIVE	NT
491	21197	DNA	SERUM	22.89	NT	NT	POSITIVE	NT
492	21198 pig number 1	HOMOGENATE	CLOT	22.09	NT	NT	POSITIVE	NEGATIVE
493	21198 pig number 1	DNA	CLOT	24.84	NT	NT	POSITIVE	NT
494	21198 pig number 4	BLOOD	SERUM	23.94	NT	NT	POSITIVE	NT
495	21198 pig number 4	DNA	SERUM	21.45	NT	NT	POSITIVE	NT
496	21273 pig number 5	BLOOD	SERUM	25.12	NT	NT	POSITIVE	POSITIVE
497	21273 pig number 5	DNA	SERUM	23.11	NT	NT	POSITIVE	NT
498	21273 pig number 6	BLOOD	SERUM	32.39	NT	NT	POSITIVE	NT
499	21273 pig number 6	DNA	SERUM	32.68	NT	NT	POSITIVE	NT
500	21273 pig number 7	BLOOD	SERUM	36.22*	35.68	35.24	WEAK	NT
501	21273 pig number 7	DNA	SERUM	37.69	35.6	36.01	WEAK	NT
502	21342	BLOOD	SERUM	20.03	NT	NT	POSITIVE	NT
503	21342	DNA	SERUM	19.59	NT	NT	POSITIVE	NT
504	21343	HOMOGENATE	CLOT	21.59	NT	NT	POSITIVE	NEGATIVE
505	21343	DNA	CLOT	22.12	NT	NT	POSITIVE	NT
506	21869 pig number 2	HOMOGENATE	CLOT	24.83	NT	NT	POSITIVE	NEGATIVE
507	21869 pig number 2	DNA	CLOT	29.36	NT	NT	POSITIVE	NT
508	21869 pig number 4	HOMOGENATE	CLOT	28.91	NT	NT	POSITIVE	NT
509	21869 pig number 4	DNA	CLOT	31.08	NT	NT	POSITIVE	NT
510	22693	TISSUE	SPLEEN	35.52	31.86	31.78	POSITIVE	NT
511	22693	DNA	SPLEEN	21.08	NT	NT	POSITIVE	NT
512	22693	TISSUE	TONSIL	37.95	37.47	36.16	WEAK	NT
513	22693	DNA	TONSIL	22.3	NT	NT	POSITIVE	NT
514	22798	BLOOD	SERUM	24.79	NT	NT	POSITIVE	NT
515	22798	TISSUE	SPLEEN	22.15	NT	NT	POSITIVE	NEGATIVE
516	22798	DNA	SPLEEN	19.17	NT	NT	POSITIVE	NT
517	22798	TISSUE	TONSIL	23.02	NT	NT	POSITIVE	NT
518	22798	DNA	TONSIL	20.23	NT	NT	POSITIVE	NT
519	22799	TISSUE	SPLEEN	21.52	NT	NT	POSITIVE	NEGATIVE
520	22799	DNA	SPLEEN	20.29	NT	NT	POSITIVE	NT
521	22799	TISSUE	TONSIL	25.39	NT	NT	POSITIVE	NT
522	22799	DNA	TONSIL	23.26	NT	NT	POSITIVE	NT
523	22800 pig number 20	BLOOD	SERUM	19.86	NT	NT	POSITIVE	NT
524	22800 pig number 20	DNA	SERUM	17.28	NT	NT	POSITIVE	NT
525	22800 pig number 22	BLOOD	SERUM	23.58	NT	NT	POSITIVE	NT
526	22800 pig number 22	DNA	SERUM	23.8	NT	NT	POSITIVE	NT
527	22800 pig number 23	BLOOD	SERUM	21	NT	NT	POSITIVE	NT
528	22800 pig number 23	DNA	SERUM	17.03	NT	NT	POSITIVE	NT
529	22957	BLOOD	SERUM	21.48	NT	NT	POSITIVE	NEGATIVE
530	22957	DNA	SERUM	20.14	NT	NT	POSITIVE	NT
531	22948	BLOOD	SERUM	25.19	NT	NT	POSITIVE	NEGATIVE
532	22948	DNA	SERUM	22.3	NT	NT	POSITIVE	NT
533	22948	BLOOD	SERUM	27.37	NT	NT	POSITIVE	NT
534	22948	DNA	SERUM	28.12	NT	NT	POSITIVE	NT
535	23158 pig number 1	BLOOD	SERUM	25.87	NT	NT	POSITIVE	NT
536	23158 pig number 1	DNA	SERUM	23.36	NT	NT	POSITIVE	NT
537	23158 pig number 3	BLOOD	SERUM	25.64	NT	NT	POSITIVE	NT
538	23158 pig number 3	DNA	SERUM	26.49	NT	NT	POSITIVE	NT
539	23158 pig number 4	BLOOD	SERUM	23.79	NT	NT	POSITIVE	NT
540	23158 pig number 4	DNA	SERUM	25.32	NT	NT	POSITIVE	NT
541	23158 pig number 5	BLOOD	SERUM	28.15	NT	NT	POSITIVE	NT



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Sample ID CISA	ID NRL	TYPE OF SAMPLE RECEIVED		UPL-real time PCR ^(a)				VI-HAD ^{(b)*} (3 passages)
				CT value	2 nd PCR CT value	3 rd PCR CT value	Result	
542	23158 pig number 5	DNA	SERUM	28.99	NT	NT	POSITIVE	NT
543	23158 pig number 7	BLOOD	SERUM	22.11	NT	NT	POSITIVE	NEGATIVE
544	23158 pig number 7	DNA	SERUM	23.15	NT	NT	POSITIVE	NT
545	22956	BLOOD	BLOOD	24.9	NT	NT	POSITIVE	NEGATIVE
546	22956	DNA	BLOOD	21.03	NT	NT	POSITIVE	NT
547	23362 pig number 1	BLOOD	SERUM	26.18	NT	NT	POSITIVE	NEGATIVE
548	23362 pig number 1	DNA	SERUM	23.45	NT	NT	POSITIVE	NT
549	23362 pig number 2	BLOOD	SERUM	29.04	NT	NT	POSITIVE	NT
550	23362 pig number 2	DNA	SERUM	28.7	NT	NT	POSITIVE	NT
551	23612	BLOOD	SERUM	27.54	NT	NT	POSITIVE	NEGATIVE
552	23612	DNA	SERUM	26.07	NT	NT	POSITIVE	NT
553	23616 pig number 1	BLOOD	SERUM	35.75	34.26	35.72	WEAK	NT
554	23616 pig number 2	BLOOD	SERUM	21.62	NT	NT	POSITIVE	NEGATIVE
555	23616 pig number 2	DNA	SERUM	25.18	NT	NT	POSITIVE	NT
556	23616 pig number 3	BLOOD	SERUM	22.65	NT	NT	POSITIVE	NT
557	23616 pig number 3	DNA	SERUM	22.04	NT	NT	POSITIVE	NT
558	23353 pig number 1	HOMOGENATE	CLOT	28.68	NT	NT	POSITIVE	NT
559	23353 pig number 1	DNA	CLOT	28.03	NT	NT	POSITIVE	NT
560	23353 pig number 2	HOMOGENATE	CLOT	25.86	NT	NT	POSITIVE	NEGATIVE
561	23353 pig number 2	DNA	CLOT	24.98	NT	NT	POSITIVE	NT
562	23353 pig number 3	HOMOGENATE	CLOT	No Ct	NT	NT	NEGATIVE	NT
563	23353 pig number 3	DNA	CLOT	24.41	NT	NT	POSITIVE	NT
564	23353 pig number 4	HOMOGENATE	CLOT	26.32	NT	NT	POSITIVE	NT
565	23353 pig number 4	DNA	CLOT	26.51	NT	NT	POSITIVE	NT
566	23353 pig number 5	HOMOGENATE	CLOT	26.09	NT	NT	POSITIVE	NT
567	23353 pig number 5	DNA	CLOT	25.1	NT	NT	POSITIVE	NT
568	23721 pig number 2	BLOOD	SERUM	26.08	NT	NT	POSITIVE	NT
569	23721 pig number 5	BLOOD	SERUM	22.25	NT	NT	POSITIVE	NT
570	23721 pig number 7	BLOOD	SERUM	25.51	NT	NT	POSITIVE	NT
571	23721 pig number 9	BLOOD	SERUM	23.51	NT	NT	POSITIVE	NT
572	23721 pig number 10	BLOOD	SERUM	24.25	NT	NT	POSITIVE	NT
573	23721 pig number 39	HOMOGENATE	CLOT	23.9	NT	NT	POSITIVE	POSITIVE
574	23721 pig number 39	DNA	CLOT	25.43	NT	NT	POSITIVE	NT
575	23721 pig number 41	HOMOGENATE	CLOT	24.99	NT	NT	POSITIVE	NT
576	23721 pig number 41	DNA	CLOT	28.88	NT	NT	POSITIVE	NT
577	23721 pig number 42	HOMOGENATE	CLOT	24.69	NT	NT	POSITIVE	NT
578	23721 pig number 42	DNA	CLOT	27.53	NT	NT	POSITIVE	NT
579	23721 pig number 50	HOMOGENATE	CLOT	24.16	NT	NT	POSITIVE	NT
580	23721 pig number 50	DNA	CLOT	26.93	NT	NT	POSITIVE	NT
581	23721 pig number 51	HOMOGENATE	CLOT	30.36	NT	NT	POSITIVE	NT
582	23721 pig number 51	DNA	CLOT	32.81	NT	NT	POSITIVE	NT
583	23942 pig number 5	HOMOGENATE	CLOT	28.84	NT	NT	POSITIVE	NT
584	23942 pig number 5	DNA	CLOT	25.51	NT	NT	POSITIVE	NT
585	23942 pig number 22	HOMOGENATE	CLOT	31.1	NT	NT	POSITIVE	NT
586	23942 pig number 22	DNA	CLOT	26.35	NT	NT	POSITIVE	NT
587	23942 pig number 23	HOMOGENATE	CLOT	27.74	NT	NT	POSITIVE	NT
588	23942 pig number 23	DNA	CLOT	27.11	NT	NT	POSITIVE	NT
589	23997	HOMOGENATE	SPLEEN	21.28	NT	NT	POSITIVE	NEGATIVE
590	23997	DNA	SPLEEN	19.95	NT	NT	POSITIVE	NT
591	23997	HOMOGENATE	KIDNEY	24.71	NT	NT	POSITIVE	NT
592	23997	DNA	KIDNEY	23.05	NT	NT	POSITIVE	NT

WEAK= Ct235; NT = NOT TESTED; *EXTRACTION 1/10

a) UPL-real time PCR → Real time PCR test described by Fernández et al., 2013 based on the Universal Probe Library (UPL). [PNT/CISA/PPA/PCR/3]



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b) VI-HAD → Virus isolation and haemadsorption test on PBM cells as is described in the OIE Manual of diagnosis for ASF (Chapter 2.8.1. OIE seventh edition 2012).

2.2 ASF antibody detection → a total of 77 samples from 69 domestic pigs were tested by IPT*, confirming the presence of antibodies in 39 of them which corresponds to **34 out of the 69 domestic pig tested (49.3%)**. The results obtained in ASF antibody detection by IPT* are summarized in **table 6**.

Table 6 → Antibody detection results by IPT*							
Sample ID CISA	Sample laboratory code				URL-IPT ^(a)		CONCLUSION*
	ID tube	Sample Type		Titer	Result		
447	19426	OUTBREAK 24	HOMOGENATE	CLOT	1/1280	POS	POSITIVE
449	19918 pig number 2	OUTBREAK 24	BLOOD	SERUM	1/320	POS	POSITIVE
451	19918 pig number 4	OUTBREAK 24	BLOOD	SERUM	NEG	NEG	NEGATIVE
453	19267 pig number 2	OUTBREAK 25	BLOOD	SERUM	1/40	WEAK	WEAK
455	19919	OUTBREAK 26	BLOOD	SERUM	NEG	NEG	NEGATIVE
457	19921	OUTBREAK 28	BLOOD	SERUM	1/320	POS	POSITIVE
459	19532	OUTBREAK 27	BLOOD	SERUM	1/80	POS	POSITIVE
461	20269	OUTBREAK 30	HOMOGENATE	CLOT	NEG	NEG	NEGATIVE
463	20270	OUTBREAK 29	BLOOD	SERUM	NEG	NEG	NEGATIVE
465	20309	OUTBREAK 27	BLOOD	SERUM	NEG	NEG	NEGATIVE
467	20424	OUTBREAK 24	TISSUE	SPLEEN	1/640	POS	POSITIVE
469	20424	OUTBREAK 24	TISSUE	TONSIL	NEG	NEG	NEGATIVE
471	20425	OUTBREAK 31	TISSUE	SPLEEN	1/160	POS	POSITIVE
473	20425	OUTBREAK 31	TISSUE	KIDNEY	NEG	NEG	NEGATIVE
475	20993	OUTBREAK 32	TISSUE	SPLEEN	1/1280	POS	POSITIVE
477	20993	OUTBREAK 32	TISSUE	KIDNEY	1/20	WEAK	WEAK
479	21115 pig number 3	OUTBREAK 33	BLOOD	SERUM	NEG	NEG	NEGATIVE
481	21117 pig number 1	OUTBREAK 34	BLOOD	SERUM	NEG	NEG	NEGATIVE
483	21117 pig number 2	OUTBREAK 34	BLOOD	SERUM	1/40960	POS	POSITIVE
485	21117 pig number 3	OUTBREAK 34	BLOOD	SERUM	1/40960	POS	POSITIVE
487	21117 pig number 4	OUTBREAK 34	BLOOD	SERUM	1/40960	POS	POSITIVE
489	21117 pig number 5	OUTBREAK 34	BLOOD	SERUM	1/81920	POS	POSITIVE
490	21197	OUTBREAK 35	BLOOD	SERUM	NEG	NEG	NEGATIVE
492	21198 pig numer 1	OUTBREAK 35	HOMOGENATE	CLOT	1/2560	POS	POSITIVE
494	21198 pig numer 4	OUTBREAK 35	BLOOD	SERUM	NEG	NEG	NEGATIVE
496	21273 pig numer 5	OUTBREAK 36	BLOOD	SERUM	NEG	NEG	NEGATIVE
498	21273 pig numer 6	OUTBREAK 36	BLOOD	SERUM	NEG	NEG	NEGATIVE
500	21273 pig numer 7	OUTBREAK 36	BLOOD	SERUM	NEG	NEG	NEGATIVE
502	21342	OUTBREAK 37	BLOOD	SERUM	1/160	POS	POSITIVE
504	21343	OUTBREAK 37	HOMOGENATE	CLOT	NEG	NEG	NEGATIVE
506	21869 pig number 2	OUTBREAK 38	HOMOGENATE	CLOT	NEG	NEG	NEGATIVE
508	21869 pig number 4	OUTBREAK 38	HOMOGENATE	CLOT	NEG	NEG	NEGATIVE
510	22693	OUTBREAK 39	TISSUE	SPLEEN	NEG	NEG	NEGATIVE
512	22693	OUTBREAK 39	TISSUE	TONSIL	NEG	NEG	NEGATIVE
514	22798	OUTBREAK 39	BLOOD	SERUM	1/2560	POS	POSITIVE
515	22798	OUTBREAK 39	TISSUE	SPLEEN	1/80	POS	POSITIVE
517	22798	OUTBREAK 39	TISSUE	TONSIL	1/5120	POS	POSITIVE
519	22799	OUTBREAK 40	TISSUE	SPLEEN	1/640	POS	POSITIVE
521	22799	OUTBREAK 40	TISSUE	TONSIL	1/10240	POS	POSITIVE
523	22800 pig number 20	OUTBREAK 40	BLOOD	SERUM	NEG	NEG	NEGATIVE



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Sample ID CISA	Sample laboratory code				URL-IPT ^(a)		CONCLUSION*
	ID tube	Sample Type	Titer	Result			
525	22800 pig number 22	OUTBREAK 40	BLOOD	SERUM	NEG	NEG	NEGATIVE
527	22800 pig number 23	OUTBREAK 40	BLOOD	SERUM	1/160	POS	POSITIVE
529	22957	OUTBREAK 41	BLOOD	SERUM	1/2560	POS	POSITIVE
531	22948	OUTBREAK 42	BLOOD	SERUM	NEG	NEG	NEGATIVE
533	22948	OUTBREAK 42	BLOOD	SERUM	NEG	NEG	NEGATIVE
535	23158 pig number 1	OUTBREAK 43	BLOOD	SERUM	NEG	NEG	NEGATIVE
537	23158 pig number 3	OUTBREAK 43	BLOOD	SERUM	NEG	NEG	NEGATIVE
539	23158 pig number 4	OUTBREAK 43	BLOOD	SERUM	NEG	NEG	NEGATIVE
541	23158 pig number 5	OUTBREAK 43	BLOOD	SERUM	NEG	NEG	NEGATIVE
543	23158 pig number 7	OUTBREAK 43	BLOOD	SERUM	NEG	NEG	NEGATIVE
545	22956	OUTBREAK 44	BLOOD	BLOOD	1/2560	POS	POSITIVE
547	23362 pig number 1	OUTBREAK 45	BLOOD	SERUM	1/10240	POS	POSITIVE
549	23362 pig number 2	OUTBREAK 45	BLOOD	SERUM	1/326880	POS	POSITIVE
551	23612	OUTBREAK 48	BLOOD	SERUM	1/20480	POS	POSITIVE
553	23616 pig number 1	OUTBREAK 47	BLOOD	SERUM	1/10240	POS	POSITIVE
554	23616 pig number 2	OUTBREAK 47	BLOOD	SERUM	1/5120	POS	POSITIVE
556	23616 pig number 3	OUTBREAK 47	BLOOD	SERUM	1/20480	POS	POSITIVE
558	23353 pig number 1	OUTBREAK 46	HOMOGENATE	CLOT	NEG	NEG	NEGATIVE
560	23353 pig number 2	OUTBREAK 46	HOMOGENATE	CLOT	NEG	NEG	NEGATIVE
562	23353 pig number 3	OUTBREAK 46	HOMOGENATE	CLOT	1/20	WEAK	WEAK
564	23353 pig number 4	OUTBREAK 46	HOMOGENATE	CLOT	1/40	WEAK	WEAK
566	23353 pig number 5	OUTBREAK 46	HOMOGENATE	CLOT	1/80	POS	POSITIVE
568	23721 pig number 2	OUTBREAK 49	BLOOD	SERUM	1/81920	POS	POSITIVE
569	23721 pig number 5	OUTBREAK 49	BLOOD	SERUM	1/81920	POS	POSITIVE
570	23721 pig number 7	OUTBREAK 49	BLOOD	SERUM	1/81920	POS	POSITIVE
571	23721 pig number 9	OUTBREAK 49	BLOOD	SERUM	1/20480	POS	POSITIVE
572	23721 pig number 10	OUTBREAK 49	BLOOD	SERUM	1/40960	POS	POSITIVE
573	23721 pig number 39	OUTBREAK 49	HOMOGENATE	CLOT	NEG	NEG	NEGATIVE
575	23721 pig number 41	OUTBREAK 49	HOMOGENATE	CLOT	NEG	NEG	NEGATIVE
577	23721 pig number 42	OUTBREAK 49	HOMOGENATE	CLOT	NEG	NEG	NEGATIVE
579	23721 pig number 50	OUTBREAK 49	HOMOGENATE	CLOT	NEG	NEG	NEGATIVE
581	23721 pig number 51	OUTBREAK 49	HOMOGENATE	CLOT	NEG	NEG	NEGATIVE
583	23942 pig number 5	OUTBREAK 48	HOMOGENATE	CLOT	NEG	NEG	NEGATIVE
585	23942 pig number 22	OUTBREAK 48	HOMOGENATE	CLOT	NEG	NEG	NEGATIVE
587	23942 pig number 23	OUTBREAK 48	HOMOGENATE	CLOT	NEG	NEG	NEGATIVE
589	23997	OUTBREAK 50	HOMOGENATE	SPLEEN	1/5	WEAK	WEAK
591	23997	OUTBREAK 50	HOMOGENATE	KIDNEY	1/40	WEAK	WEAK

WEAK= IPT Titre <1/80.

A) URL-IPT→ Indirect immunoperoxidase technique on E70-MS infected cells using the protocol standardized and validated by the European Union Reference Laboratory (EURL). [PNT/CISA/PPA/IPT/1]

From the 69 domestic pigs were received 44 serum samples, and **24 of them gave a positive result by IPT***, whereas only 3 resulted doubtful (2) or positive (1) by the OIE-indirect ELISA. All of them were confirmed as positives by IPT and 2 by the IB test (see **table 7**).



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Table 7→ ASF antibody detection in serum samples								
ID CISA	ID NRL	TYPE OF SAMPLE	OIE-ELISA ^(a)		OIE-IB ^(b)	URL-IPT* ^(c)		CONCLUSION*
			O.D. value	Result		Titer	Result	
449	19918 pig number 2	SERUM	0.111	NEG	NT	1/320	POS	POSITIVE
451	19918 pig number 4	SERUM	0.099	NEG	NT	NEG	NEG	NEGATIVE
453	19267 pig number 2	SERUM	0.096	NEG	NT	1/40	WEAK	WEAK
455	19919	SERUM	0.064	NEG	NT	NEG	NEG	NEGATIVE
457	19921	SERUM	0.083	NEG	NT	1/320	POS	POSITIVE
459	19532	SERUM	0.1	NEG	NT	1/80	POS	POSITIVE
463	20270	SERUM	0.066	NEG	NT	NEG	NEG	NEGATIVE
465	20309	SERUM	0.067	NEG	NT	NEG	NEG	NEGATIVE
479	21115 pig number 3	SERUM	0.087	NEG	NT	NEG	NEG	NEGATIVE
481	21117 pig number 1	SERUM	0.116	NEG	NT	NEG	NEG	NEGATIVE
483	21117 pig number 2	SERUM	0.176	NEG	NT	1/40960	POS	POSITIVE
485	21117 pig number 3	SERUM	0.279	NEG	NT	1/40960	POS	POSITIVE
487	21117 pig number 4	SERUM	0.249	NEG	NT	1/40960	POS	POSITIVE
489	21117 pig number 5	SERUM	0.34	DOUBT	POS	1/81920	POS	POSITIVE
490	21197	SERUM	0.11	NEG	NT	NEG	NEG	NEGATIVE
494	21198 pig number 4	SERUM	0.128	NEG	NT	NEG	NEG	NEGATIVE
496	21273 pig number 5	SERUM	0.098	NEG	NT	NEG	NEG	NEGATIVE
498	21273 pig number 6	SERUM	0.1	NEG	NT	NEG	NEG	NEGATIVE
500	21273 pig number 7	SERUM	0.085	NEG	NT	NEG	NEG	NEGATIVE
502	21342	SERUM	0.091	NEG	NT	1/160	POS	POSITIVE
514	22798	SERUM	0.087	NEG	NT	1/2560	POS	POSITIVE
523	22800 pig number 20	SERUM	0.127	NEG	NT	NEG	NEG	NEGATIVE
525	22800 pig number 22	SERUM	0.109	NEG	NT	NEG	NEG	NEGATIVE
527	22800 pig number 23	SERUM	0.107	NEG	NT	1/160	POS	POSITIVE
529	22957	SERUM	0.106	NEG	NT	1/2560	POS	POSITIVE
531	22948	SERUM	0.058	NEG	NT	NEG	NEG	NEGATIVE
533	22948	SERUM	0.105	NEG	NT	NEG	NEG	NEGATIVE
535	23158 pig number 1	SERUM	0.104	NEG	NT	NEG	NEG	NEGATIVE
537	23158 pig number 3	SERUM	0.158	NEG	NT	NEG	NEG	NEGATIVE
539	23158 pig number 4	SERUM	0.193	NEG	NT	NEG	NEG	NEGATIVE
541	23158 pig number 5	SERUM	0.1	NEG	NT	NEG	NEG	NEGATIVE
543	23158 pig number 7	SERUM	0.154	NEG	NT	NEG	NEG	NEGATIVE
545	22956	SERUM	0.092	NEG	NT	1/2560	POS	POSITIVE
547	23362 pig number 1	BLOOD	0.17	NEG	NT	1/10240	POS	POSITIVE
549	23362 pig number 2	SERUM	0.66	POS	POS	1/326880	POS	POSITIVE
551	23612	SERUM	0.159	NEG	NT	1/20480	POS	POSITIVE
553	23616 pig number 1	SERUM	0.18	NEG	NT	1/10240	POS	POSITIVE
554	23616 pig number 2	SERUM	0.122	NEG	NT	1/5120	POS	POSITIVE
556	23616 pig number 3	SERUM	0.173	NEG	NT	1/20480	POS	POSITIVE
568	23721 pig number 2	SERUM	0.242	NEG	NT	1/81920	POS	POSITIVE
569	23721 pig number 5	SERUM	0.23	NEG	NT	1/81920	POS	POSITIVE
570	23721 pig number 7	SERUM	0.304	DOUBT	NEG	1/81920	POS	POSITIVE
571	23721 pig number 9	SERUM	0.23	NEG	NT	1/20480	POS	POSITIVE
572	23721 pig number 10	SERUM	0.256	NEG	NT	1/40960	POS	POSITIVE

NT=NOT TESTED; WEAK= IPT Titre <1/80.

(a) OIE-ELISA → indirect ELISA described in the OIE Manual of diagnosis for ASF (Chapter 2.8.1. OIE seven edition 2012). [PNT/CISA/PPA/ELISA/1]

(b) OIE-IB → Immunoblotting described in the OIE Manual of diagnosis for ASF (Chapter 2.8.1. OIE seven edition 2012) [PNT/CISA/PPA/IB/1]

(c) URL-IPT → indirect immunoperoxidase technique on E70MS infected cells using the protocol standardized and validated by the European Union Reference Laboratory (URL) [PNT/CISA/PPA/IPT/1]



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3. ASFV MOLECULAR CHARACTERIZATION RESULTS*

3.1. WILD BOAR→ Genetic characterization of ASFV has been performed from positive PCR samples selected from each of the wild boar cases received corresponding to **111 out of the 152 positive wild boar** as is summarized in **table 8**. The cases 253, 269, 276, 289, 295, 297, 299, 300, 310, 323, 330, 331, 337, 341, 342, 343, 345, 351, 364, 365 and 371 were not included in the genetic characterization due to the negative or weak result obtained by the UPL real time PCR.

Table 8→ Identification of the ASFV sequenced					
ASFV SEQUENCED	SAMPLING LOCALIZATION	LAB. RESULT DATE	ID ANIMAL		ID CISA
Pol16/WB-CASE 106	Hajnówka,	21/07/2016	18436/16	CASE 106	1
Pol17/WB-CASE 252	Stara Kornica,	01/04/2017	10674/17	CASE 252	9
Pol17/WB-CASE 254	Konstantynów,	03/04/2017	11183/17	CASE 254	16
Pol17/WB-CASE 255	Sarnaki,	04/04/2017	11081/17	CASE 255	12
Pol17/WB-CASE 256	Biała Podlaska	03/04/2017	11184/17	CASE 256	32
Pol17/WB-CASE 257	Konstantynów	03/04/2017	11182/17	CASE 257	28
Pol17/WB-CASE 258	Sarnaki,	03/04/2017	11078/17	CASE 258	20
Pol17/WB-CASE 259	Zalesie	04/04/2017	11181-3/17	CASE 259	24
Pol17/WB-CASE 260	Sarnaki	10/04/2017	11609/17	CASE 260	35
Pol17/WB-CASE 261	Sarnaki	05/04/2017	11610/17	CASE 261	39
Pol17/WB-CASE 262	Sarnaki	05/04/2017	11611/17	CASE 262	44
Pol17/WB-CASE 263	Stara Kornica,	06/04/2017	11613/17	CASE 263	46
Pol17/WB-CASE 264	Sarnaki	07/04/2017	11614/17	CASE 264	50
Pol17/WB-CASE 266	Zalesie	07/04/2017	11860-2/17	CASE 266	55
Pol17/WB-CASE 267	Goniądz	11/04/2017	12004/17	CASE 267	57
Pol17/WB-CASE 268	Janów Podlaski	12/04/2017	12124/17	CASE 268	61
Pol17/WB-CASE 271	Janów Podlaski	14/04/2017	12455/17	CASE 271	70
Pol17/WB-CASE 272	Rokitno	18/04/2017	12456/17	CASE 272	67
Pol17/WB-CASE 273	Stara Kornica	17/04/2017	12669/17	CASE 273	74
Pol17/WB-CASE 274	Zalesie	18/04/2017	12918-2/17	CASE 274	82
Pol17/WB-CASE 275	Zalesie	20/04/2017	12917/17	CASE 275	78
Pol17/WB-CASE 277 (90)	Sarnaki	23/04/2017	13334/17	CASE 277	90
Pol17/WB-CASE 277 (93)	Sarnaki	23/04/2017	13335/17	CASE 277	93
Pol17/WB-CASE 277 (98)	Sarnaki	23/04/2017	13336/17	CASE 277	98
Pol17/WB-CASE 277 (101)	Sarnaki	23/04/2017	13337/17	CASE 277	101
Pol17/WB-CASE 278	Mielnik	26/04/2017	13707/17	CASE 278	109
Pol17/WB-CASE 279	Janów Podlaski	24/04/2017	14077-2/17	CASE 279	113
Pol17/WB-CASE 280	Biała Podlaska	26/04/2017	14077-3/17	CASE 280	115
Pol17/WB-CASE 281	Sarnaki	29/04/2017	14274/17	CASE 281	117
Pol17/WB-CASE 282	Radziłów	01/05/2017	14369-9/17	CASE 282	121
Pol17/WB-CASE 283	Nurzec Stacja	30/04/2017	14446-2/17	CASE 283	123
Pol17/WB-CASE 284	Nurzec Stacja	30/04/2017	14446-6/17	CASE 284	125
Pol17/WB-CASE 285	Janów	02/05/2017	14537/17	CASE 285	135
Pol17/WB-CASE 286	Janów	02/05/2017	14538/17	CASE 286	134
Pol17/WB-CASE 287	Janów	02/05/2017	14539/17	CASE 287	145
Pol17/WB-CASE 288	Janów	02/05/2017	14547-1/17	CASE 288	137
Pol17/WB-CASE 289	Janów	02/05/2017	14541/17	CASE 289	132
Pol17/WB-CASE 290	Rokitno	04/05/2017	14545/17	CASE 290	141
Pol17/WB-CASE 291 (126)	Sarnaki	05/05/2017	14550/17	CASE 291	126



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ASFV SEQUENCED	SAMPLING LOCALIZATION	LAB. RESULT DATE	ID ANIMAL		ID CISA
Pol17/WB-CASE 291 (153)	Sarnaki	05/05/2017	14551/17	CASE 291	153
Pol17/WB-CASE 291 (159)	Sarnaki	05/05/2017	14549/17	CASE 291	159
Pol17/WB-CASE 292	Zalesie	04/05/2017	14542-1/17	CASE 292	147
Pol17/WB-CASE 293	Janów	02/05/2017	14540/17	CASE 293	157
Pol17/WB-CASE 294	Nurzec Stacja	08/05/2017	14677/17	CASE 294	163
Pol17/WB-CASE 296	Zalesie	03/05/2017	14881/17	CASE 296	170
Pol17/WB-CASE 298	Rokitno	08/05/2017	14884/17	CASE 298	175
Pol17/WB-CASE 301	Sarnaki	09/05/2017	15163/17	CASE 301	179
Pol17/WB-CASE 302	Sarnaki	09/05/2017	15164/17	CASE 302	182
Pol17/WB-CASE 303 (186)	Sarnaki	10/05/2017	15165/17	CASE 303	186
Pol17/WB-CASE 303 (189)	Sarnaki	10/05/2017	15166/17	CASE 303	189
Pol17/WB-CASE 304	Janów Podlaski	09/05/2017	15609/17	CASE 304	193
Pol17/WB-CASE 305	Czeremcha	12/05/2017	15661/17	CASE 305	196
Pol17/WB-CASE 306	Goniądz	11/05/2017	15712/17	CASE 306	200
Pol17/WB-CASE 307	Goniądz	12/05/2017	16030/17	CASE 307	213
Pol17/WB-CASE 308	Janów Podlaski	11/05/2017	15946/17	CASE 308	206
Pol17/WB-CASE 309	Rokitno	13/05/2017	15945/17	CASE 309	204
Pol17/WB-CASE 311	Rokitno	13/05/2017	15947/17	CASE 311	210
Pol17/WB-CASE 312	Rokitno	14/05/2017	15943-24/17	CASE 312	220
Pol17/WB-CASE 313	Sarnaki	17/05/2017	16427/17	CASE 313	221
Pol17/WB-CASE 314	Mielnik	18/05/2017	16734/17	CASE 314	233
Pol17/WB-CASE 315	Nurzec Stacja	18/05/2017	16731/17	CASE 315	229
Pol17/WB-CASE 316	Mielnik	19/05/2017	16730/17	CASE 316	225
Pol17/WB-CASE 317	Sarnaki	18/05/2017	16916/17	CASE 317	237
Pol17/WB-CASE 318	Sarnaki	19/05/2017	16917/17	CASE 318	241
Pol17/WB-CASE 319	Terespol	18/05/2017	16918/17	CASE 319	245
Pol17/WB-CASE 320	Dubicze Cerkiewne	19/05/2017	16953/17	CASE 320	247
Pol17/WB-CASE 321	Zalesie	22/05/2017	17218/17	CASE 321	251
Pol17/WB-CASE 322	Konstantynów	22/05/2017	17219/17	CASE 322	253
Pol17/WB-CASE 324	Milejczyce	25/05/2017	18070/17	CASE 324	256
Pol17/WB-CASE 325	Czeremcha	24/05/2017	17834/17	CASE 325	260
Pol17/WB-CASE 326	Konstantynów	22/05/2017	17909/17	CASE 326	278
Pol17/WB-CASE 327	Rokitno	24/05/2017	17880/17	CASE 327	272
Pol17/WB-CASE 328	Zalesie	24/05/2017	17878/17	CASE 328	264
Pol17/WB-CASE 329	Siemiatycze	23/05/2017	17966/17	CASE 329	283
Pol17/WB-CASE 332	Nurzec Stacja	26/05/2017	18305/17	CASE 332	285
Pol17/WB-CASE 333	Nurzec Stacja	26/05/2017	18307/17	CASE 333	289
Pol17/WB-CASE 334	Mielnik	30/05/2017	18676/17	CASE 334	314
Pol17/WB-CASE 335	Sarnaki	29/05/2017	18510/17	CASE 335	306
Pol17/WB-CASE 336	Siemiatycze	31/05/2017	18952/17	CASE 336	318
Pol17/WB-CASE 338	Biała Podlaska	29/05/2017	19056-11/17	CASE 338	323
Pol17/WB-CASE 339	Czeremcha	02/06/2017	19259-1/17	CASE 339	325
Pol17/WB-CASE 340	Rokitno	05/06/2017	19416/17	CASE 340	334
Pol17/WB-CASE 344	Leśna	06/06/2017	19924-2/17	CASE 344	340
Pol17/WB-CASE 346	Sarnaki	08/06/2017	20307/17	CASE 346	344
Pol17/WB-CASE 347	Mielnik	12/06/2017	20439/17	CASE 347	351
Pol17/WB-CASE 348	Zalesie	09/06/2017	20324/17	CASE 348	348
Pol17/WB-CASE 349	Piszczac	09/06/2017	20323/17	CASE 349	354
Pol17/WB-CASE 350	Sarnaki	11/06/2017	20688/17	CASE 350	356
Pol17/WB-CASE 352	Sarnaki	13/06/2017	20690/17	CASE 352	364
Pol17/WB-CASE 353	Sokółka	12/06/2017	20855/17	CASE 353	380
Pol17/WB-CASE 354	Biała Podlaska	13/06/2017	21044-1/17	CASE 354	368
Pol17/WB-CASE 355	Biała Podlaska	14/06/2017	21044-2/17	CASE 355	373
Pol17/WB-CASE 360	Goniądz	19/06/2017	21419/17	CASE 360	389



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ASFV SEQUENCED	SAMPLING LOCALIZATION	LAB. RESULT DATE	ID ANIMAL		ID CISA
Pol17/WB-CASE 361	Biała Podlaska	16/06/2017	21199/17	CASE 361	385
Pol17/WB-CASE 362	Leśna Podlaska	16/06/2017	21195/17	CASE 362	384
Pol17/WB-CASE 363	Leśna Podlaska	17/06/2017	21551/17	CASE 363	393
Pol17/WB-CASE 366 (401)	Piszczac	21/06/2017	22426/17	CASE 366	401
Pol17/WB-CASE 366 (412)	Piszczac	24/06/2017	22430/17	CASE 366	412
Pol17/WB-CASE 367	Piszczac	21/06/2017	22427/17	CASE 367	402
Pol17/WB-CASE 368	Biała Podlaska	21/06/2017	22429/17	CASE 368	408
Pol17/WB-CASE 369	Piszczac	21/06/2017	22424/17	CASE 369	395
Pol17/WB-CASE 370	Leśna Podlaska	21/06/2017	22437/17	CASE 370	414
Pol17/WB-CASE 372	Kodeń	23/06/2017	22775/17	CASE 372	421
Pol17/WB-CASE 373	Biała Podlaska	23/06/2017	22777/17	CASE 373	423
Pol17/WB-CASE 374	Terespol	28/06/2017	22949/17	CASE 374	426
Pol17/WB-CASE 375	Biała Podlaska	28/06/2017	22950/17	CASE 375	430
Pol17/WB-CASE 376	Biała Podlaska	28/06/2017	22951/17	CASE 376	433
Pol17/WB-CASE 377	Jedwabne	26/06/2017	23290/17	CASE 377	443
Pol17/WB-CASE 378	Mielnik	27/06/2017	23013/17	CASE 378	439
Pol17/WB-CASE 379	Nurzec Stacja	26/06/2017	23021-5/17	CASE 379	441
Pol17/WB-CASE 380	Janów Podlaski	19/06/2017	23352/17	CASE 380	446

Genetic characterization of ASFV has been performed from **27 out of the 69 domestic pig** representatives of each of the 27 outbreaks received as is summarized in **table 9**.

Table 9→ Identification of the ASFV sequenced

ASFV SEQUENCED	SAMPLING LOCALIZATION	LAB. RESULT DATE	ID ANIMAL		ID CISA
Pol17/DP-OUT24	Biała Podlaska	05/06/2017	19426/17	OUTBREAK 24	447
Pol17/DP-OUT25	Trzcianne	05/06/2017	19267-2/17	OUTBREAK 25	453
Pol17/DP-OUT26	Leśna Podlaska	06/06/2017	19919/17	OUTBREAK 26	455
Pol17/DP-OUT27	Mielnik	05/06/2017	19532/17	OUTBREAK 27	459
Pol17/DP-OUT28	Janów Podlaski	07/06/2017	19921/17	OUTBREAK 28	457
Pol17/DP-OUT29	Leśna Podlaska	07/06/2017	20270/17	OUTBREAK 29	463
Pol17/DP-OUT30	Konstantynów	08/06/2017	20269/17	OUTBREAK 30	461
Pol17/DP-OUT31	Leśna Podlaska	10/06/2017	20425/17	OUTBREAK 31	471
Pol17/DP-OUT32	Nurzec Stacja	14/06/2017	20993/17	OUTBREAK 32	475
Pol17/DP-OUT33	Siemiatycze	16/06/2017	21115-3/17	OUTBREAK 33	479
Pol17/DP-OUT34	Sarnaki	16/06/2017	21117-1/17	OUTBREAK 34	481
Pol17/DP-OUT35	Leśna Podlaska	17/06/2017	21198-1/17	OUTBREAK 35	492
Pol17/DP-OUT36	Sarnaki	19/06/2017	21273-5/17	OUTBREAK 36	496
Pol17/DP-OUT37	Zalesie	19/06/2017	21342/17	OUTBREAK 37	502
Pol17/DP-OUT38	Radziłów	21/06/2017	21869-2/17	OUTBREAK 38	506
Pol17/DP-OUT39	Radziłów	26/06/2017	22798/17	OUTBREAK 39	514
Pol17/DP-OUT40	Trzcianne	26/06/2017	22799/17	OUTBREAK 40	519
Pol17/DP-OUT41	Rokitno	27/06/2017	22957/17	OUTBREAK 41	529
Pol17/DP-OUT42	Piszczac	26/06/2017	22948-1/17	OUTBREAK 42	531
Pol17/DP-OUT43	Mońki	27/06/2017	23158-7/17	OUTBREAK 43	543
Pol17/DP-OUT44	Terespol	28/06/2017	22956/17	OUTBREAK 44	545
Pol17/DP-OUT45	Terespol	28/06/2017	23362-1/17	OUTBREAK 45	547
Pol17/DP-OUT46	Terespol	28/06/2017	23353-2/17	OUTBREAK 46	560
Pol17/DP-OUT47	Leśna Podlaska	30/06/2017	23616-2/17	OUTBREAK 47	554
Pol17/DP-OUT48	Zalesie	28/06/2017	23612/17	OUTBREAK 48	551
Pol17/DP-OUT49	Piszczac	29/06/2017	23721-39/17	OUTBREAK 49	573
Pol17/DP-OUT50	Goniądz	03/07/2017	23997/17	OUTBREAK 50	589



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The expected ≈478 bp of the C-terminal *p72*-gene was obtained in the **111 positive wild boar** and in the **27 positive domestic pigs**. The PCR amplicons were sequenced in order to place the ASFV Polish viruses in one of the defined 24 *p72* genotypes. The Polish wild boar (WB) and domestic pig (DP) ASFVs clustered **within *p72* genotype II** and showed 100% nucleotide identity with all compared ASFV isolates from Eastern and Central Europe across the 478-bp C-terminal *p72* gene.

Nucleotide and amino acid sequence analysis of the **CVR-PCR products** placed the Polish WB and DP ASF viruses within the variant **GII-CVR1** with the presence of 10 copies of amino acid tetramer repeats. However, it is important to point out the single nucleotide mutation point (T instead of A) which resulted in an amino acid change (L instead of M), identified in the **ASFV Pol17/WB-CASE 316** isolated from the wild boar case 316 occurred at Mielnik, Siemiatycki, Podlaskie Voivodeship at 17th May 2017. Although a single mutation polymorphism (SNP) was previously identified in certain Estonia ASFVs (CVR1-SNP1), the SNP identified in this isolate (CVR1-SNP2) has not been found in other Eastern European ASFV sequenced at the EURL (**figure 1**).

Figure 1: Partial (a) nucleotide and (b) amino acid sequence alignment of the CVR within the *B602L* gene of African swine fever virus (ASFV) isolates from eastern and central Europe representatives of the CVR variant 1. The single nt/aa polymorphism (SNP2) identified in the Pol17/WB-CASE 316 ASFV wild boar isolate is marked in grey.

(A) Nucleotide alignment

```

Pol17/WB-CASE 316  AGTGCCTATACTTGTGCAGATACCAATGTAGACACTTGTGCAAGCTTGTGTGCAGATACC
CVR-1 variant      AGTGCCTATACTTGTGCAGATACCAATGTAGACACTTGTGCAAGCATGTGTGCAGATACC
*****
Pol17/WB-CASE 316  AATGTAGACACCTGTGCAAGCATGTGTGCAGATACCAATGTAGATACCTGTGCAAGCACT
CVR-1 variant      AATGTAGACACCTGTGCAAGCATGTGTGCAGATACCAATGTAGATACCTGTGCAAGCACT
*****

Pol17/WB-CASE 316  TGTACAAGCACAGAATAC
CVR-1 variant      TGTACAAGCACAGAATAC
*****

```

(B) Amino acid alignment

```

Pol17/WB-CASE 316  SAYTCADTNVDTCASL CADTNVDTCASMCADTNVDTCASTCTSTEY
CVR-1 variant      SAYTCADTNVDTCASMCADTNVDTCASMCADTNVDTCASTCTSTEY
*****

```

The sequence analysis of the intergenic region between the *I73R* and *I329L* genes (IGR_{I73R-I329L}) revealed the presence of the nucleotide tandem repeat (TRS) insertion (GGAATATATA) which is representative of the **IGR_{I73R-I329L}-2 variant** present in;



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- the EU countries (except in one ASFV isolated from the case 237 occurred in Poland in 2017) since the beginning of the ASF outbreaks/cases in 2014.
- the non-EU countries Moldova (2016, 2017), Ukraine (2012, 2015), Belarus (2013) and, since 2012, in Russia Federation when are co-circulating the two IGR variants (Gallardo *et al.*, 2014; Goller *et al.*, 2015).

Finally, the amplification of the **intergenic region between the MGF 505 9R and the 10R genes (IGR MGF)** generated a 507-bp amplicon in the WB viruses from the **cases 294, 305, 325, 332, 339, 347 and 379**, as well as in that obtained from the **DP outbreak nº 32**. The nucleotide sequence analysis of the PCR products obtained revealed the presence in these viruses of the 17 nucleotide insertion **TAGTAGTTCAGTTAAGA** previously identified in the **Pol16/WB-CASE-126 ASFV** and representative of the **MGF-2**, also described in the sequences of the Russian ASFVs from Tver and Vladimir regions at least since 2012 (Elsukova, A. *et al.*, 2016). The estimated size of the remaining WB and DP Polish ASFV isolates was 489 bp which corresponds to the **MGF-1 variant** present in the ASFVs isolated since 2014 from WB and DP in the EU countries, as well as in the ASFV isolates available at the EURL collected from the outbreaks occurred in Belarus in 2013, Ukraine 2012 and 2015 and Moldova in 2016 and 2017 (available at the EURL) (**figure 2**).

Figure 2: Partial nucleotide sequence alignment of the intergenic region between the genes *9R* and *10R* in the ASFV isolates from Georgia (Georgia2007; GenBank accession no. FR682468.1), Armenia (Arm07), Azerbaijan (Az08D), Belarus (Bel2013/Grodno), **Russia**, Ukraine (Ukr), Moldova (MOL), Lithuania (LT), Estonia (EST), Latvia (LV), Lithuania (LT), Czech Republic (CZ), Romania (RO) and Poland (Pol). The mutation that results in the insertion of a single nucleotide internal repeat sequence (TAGTAGTTCAGTTAAGA) representative of the MGF-2 variant in the **Polish WB (cases 126, 294, 305, 325, 332, 339, 347 and 379) and domestic pig (outbreak 32) ASFV isolates**, as well as in the Russian viruses, is indicated by **blue** shading.

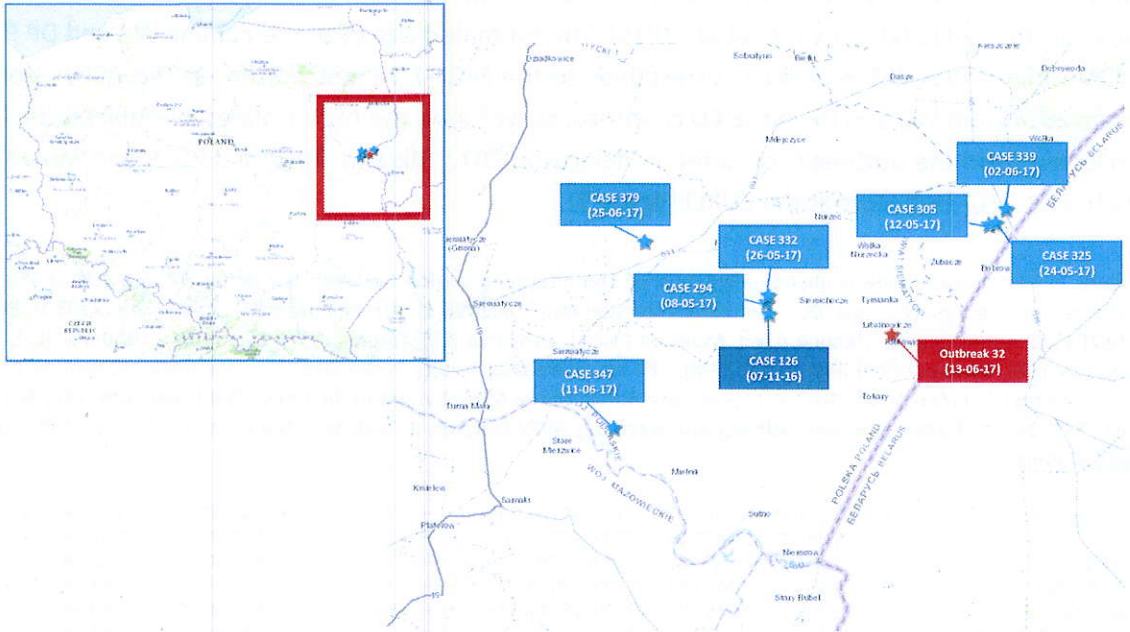
Georgia07	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGA-----	TAGTAGTTT	TAGTTAAGATAGTAGT	
Arm07	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGA-----	TAGTAGTTT	TAGTTAAGATAGTAGT	
Az08D	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGA-----	TAGTAGTTT	TAGTTAAGATAGTAGT	
Rostov09	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGA-----	TAGTAGTTT	TAGTTAAGATAGTAGT	
Kalmykia09	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGA-----	TAGTAGTTT	TAGTTAAGATAGTAGT	
Tver0511/Torjo	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGA-----	TAGTAGTTT	TAGTTAAGATAGTAGT	
Bell13/Grodno	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGA-----	TAGTAGTTT	TAGTTAAGATAGTAGT	
Ukr12/Zapo	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGA-----	TAGTAGTTT	TAGTTAAGATAGTAGT	
Tver0312/Torjo	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGATAGTAGTTT	TAGTTAAGA	TAGTAGTTT	TAGTTAAGATAGTAGT
Tver0712/Les	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGATAGTAGTTT	TAGTTAAGA	TAGTAGTTT	TAGTTAAGATAGTAGT
Kashino 04/13	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGATAGTAGTTT	TAGTTAAGA	TAGTAGTTT	TAGTTAAGATAGTAGT
Karamsino 06/13	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGATAGTAGTTT	TAGTTAAGA	TAGTAGTTT	TAGTTAAGATAGTAGT
Vyazma 09/13	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGATAGTAGTTT	TAGTTAAGA	TAGTAGTTT	TAGTTAAGATAGTAGT
Yuriev-Polskyi09/13	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGATAGTAGTTT	TAGTTAAGA	TAGTAGTTT	TAGTTAAGATAGTAGT
Shihobalovo 10/13	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGATAGTAGTTT	TAGTTAAGA	TAGTAGTTT	TAGTTAAGATAGTAGT
Kashino 06/14	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGATAGTAGTTT	TAGTTAAGA	TAGTAGTTT	TAGTTAAGATAGTAGT
Sobinka 07/15	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGATAGTAGTTT	TAGTTAAGA	TAGTAGTTT	TAGTTAAGATAGTAGT
Ukr15/DP2/Kieve	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGA-----	TAGTAGTTT	TAGTTAAGATAGTAGT	
MOL16/DP-MOSA1	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGA-----	TAGTAGTTT	TAGTTAAGATAGTAGT	
MOL16/DP-CERNO1	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGA-----	TAGTAGTTT	TAGTTAAGATAGTAGT	
MOL17/WB-1	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGA-----	TAGTAGTTT	TAGTTAAGATAGTAGT	
LT2014-2017	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGA-----	TAGTAGTTT	TAGTTAAGATAGTAGT	
EST2014-2017	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGA-----	TAGTAGTTT	TAGTTAAGATAGTAGT	
LV2014-2017	TAGTTCAGTTAAGATAGTAGTTT	TAGTTAAGA-----	TAGTAGTTT	TAGTTAAGATAGTAGT	



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CZ2017 TAGTTCAGTTAAGATAGTAGTTTATAGTTAAGA-----TAGTAGTTTAGTTAAGATAGTAGT
RO2017-2018 TAGTTCAGTTAAGATAGTAGTTTATAGTTAAGA-----TAGTAGTTTAGTTAAGATAGTAGT
Pol2014-2017 TAGTTCAGTTAAGATAGTAGTTTATAGTTAAGA-----TAGTAGTTTAGTTAAGATAGTAGT
Pol116/WB-CASE126 TAGTTCAGTTAAGATAGTAGTTTATAGTTAAGATAGTAGTTTAGTTAAGATAGTAGT
Pol117/WB-CASE294 TAGTTCAGTTAAGATAGTAGTTTATAGTTAAGATAGTAGTTTAGTTAAGATAGTAGT
Pol117/WB-CASE305 TAGTTCAGTTAAGATAGTAGTTTATAGTTAAGATAGTAGTTTAGTTAAGATAGTAGT
Pol117/WB-CASE325 TAGTTCAGTTAAGATAGTAGTTTATAGTTAAGATAGTAGTTTAGTTAAGATAGTAGT
Pol117/WB-CASE332 TAGTTCAGTTAAGATAGTAGTTTATAGTTAAGATAGTAGTTTAGTTAAGATAGTAGT
Pol117/WB-CASE339 TAGTTCAGTTAAGATAGTAGTTTATAGTTAAGATAGTAGTTTAGTTAAGATAGTAGT
Pol117/WB-CASE347 TAGTTCAGTTAAGATAGTAGTTTATAGTTAAGATAGTAGTTTAGTTAAGATAGTAGT
Pol117/WB-CASE379 TAGTTCAGTTAAGATAGTAGTTTATAGTTAAGATAGTAGTTTAGTTAAGATAGTAGT
Pol117/DP-OUT32 TAGTTCAGTTAAGATAGTAGTTTATAGTTAAGATAGTAGTTTAGTTAAGATAGTAGT

In the **figure 3** is shown the localization and collection date of the **Polish ASFV WB ASF viruses** and of the **DP virus from the outbreak 32** belonging to the variant MGF-2





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A summary about the molecular typing of the Eastern European ASFV isolates is showed in **table 10**.

Table 10→ Summary of the molecular characterization results from Eastern European ASFV isolates 2007-2017					
COUNTRY	YEAR	P72 GENOTYPE	CVR SUBTYPING	IGR _{173R-1329L} SUBTYPING	IGR _{MGF} SUBTYPING
Georgia	2007	II	CVR1	IGR-1	MGF -1
Armenia	2007	II	CVR1	IGR-1	MGF -1
Azerbaijan	2008	II	CVR1	IGR-1	MGF -1
Russia Federation	2007-2012	II	CVR1	IGR-1	MGF -1
	2012-2016	II	CVR1	IGR-1 + IGR-2	MGF -1 + MGF -2
Ukraine	2012. 2015	II	CVR1	IGR-2	MGF -1
Belarus	2013	II	CVR1	IGR-2	MGF -1
	2014	II	CVR1	IGR-2	MGF -1
Estonia	2015-2017	II	CVR1 + CVR1SNP1* + CVR 2	IGR-2	MGF -1
Latvia	2014-2017	II	CVR1	IGR-2	MGF -1
Lithuania	2014-2017	II	CVR1	IGR-2	MGF -1
Poland	2014-2015	II	CVR1	IGR-2	MGF -1
	2016	II	CVR1	IGR-2	MGF -1 + MGF -2
	2017	II	CVR1 + CVR1SNP2*	IGR-1 + IGR-2	MGF -1 + MGF -2
Moldova	2016	II	CVR1	IGR-2	MGF -1
Czech Republic	2017	II	CVR1	IGR-2	MGF -1
Romania	2017-218	II	CVR1	IGR-2	MGF -1

*single nucleotide polymorphism within the CVR 1 variant.

CONCLUSION*

1. The **presence of ASF** has been confirmed throughout ASFV genome and/or antibody detection in **all wild boar** received from Poland **from the case 106**, occurred at 21 of June 2016, and from the **cases 252 to 380** occurred since March up to June 2017.
2. The **presence of ASF** has been confirmed throughout ASFV genome and/or antibody detection in **all domestic pigs** received from Poland **from the outbreaks 24 to 50** occurred in Goniądz, Zalesie, Piszczac, Terespol, Leśna Podlaska, Sarnaki, Siemiatycze, Nurzec Stacja, Biała Podlaska, Mielnik, Konstantynów, Janów Podlaski, Trzcianne during June and July 2017.
3. The **p72 genotyping** of the **111 wild boar and 27 domestic pig ASF Poland viruses** clustered the viruses within **p72 genotype II** circulating in the Eastern European countries since the first introduction in Georgia in 2007.



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4. The **intergenic region (IGR I73R-I329L) subtyping** placed all the Poland ASF viruses within the **IGR_{I73R-I329L} variant 2** identical to that responsible of the cases occurred in wild boar and in domestic pigs in the EU countries since the ASFV entrance into the EU in 2014 and initially discovered in certain regions of the Russia Federation in 2012 (from the data available at the EURL).
5. Although belonging to the CVR variant 1 a **single nucleotide mutation point (SNP-2) was identified in the Pol17/WB-CASE 316** isolated from the wild boar case 316 occurred at Mielnik, Siemiatycki, Podlaskie Voivodeship at 17th May 2017, **not found in the remaining Eastern European ASFV sequenced at the EURL.**
6. The **MGF 505 subtyping** placed the WB viruses from the **cases 294** (collection date 08/05/17, Nurzec Stacja), **305** (collection date 12/05/17, Czeremcha), **325** (collection date 24/05/17, Czeremcha), **332** (collection date 26/05/17, Nurzec Stacja), **339** (collection date 02/06/17, Czeremcha), **347** (collection date 11/06/17, Mielnik), **and 379** (collection date 25/06/17, Nurzec Stacja), as well as in that obtained from the **DP outbreak nº 32** (collection date 13/06/17, Nurzec Stacja), within the **MGF variant 2**. This variant was previously identified in the ASFV Pol16/WB-CASE-126 isolated from the wild boar case occurred in Poland in Nurzec Stacja at November 2016.
7. The remaining viruses sequenced clustered within the **MGF variant 1** identical to that present in the ASFVs isolated since 2014 from wild and domestic pigs in the EU countries, as well as in the ASFV isolates available at the EURL collected from the outbreaks occurred in Belarus in 2013, Ukraine 2012 and 2015 and Moldova in 2016 and 2017 (available at the EURL).

Below are summarized the results obtained in each **WILD BOAR (table 11)** and **DOMESTIC PIG (table 12)** combining virus and antibody detection tests, as well as the genotyping results.



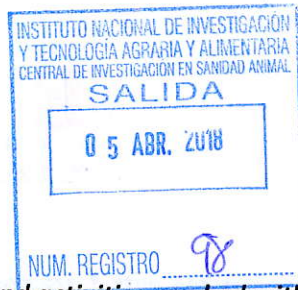
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Table 11→ ASF FINAL DIAGNOSTIC RESULT IN WILD BOAR									
OUTBREAK DATE	ANIMAL RECEIVED	VIRUS DETECTION	ANTIBODY DETECTION	ASFV ISOLATE	GENOTYPING				
					P72 GENOTYPE	CVR SUBTYPING	IGR _{I73R-I329L} SUBTYPING	IGR MGF SUBTYPING	
21/07/2016	18436/16	POSITIVE	NEGATIVE	Pol16/WB-CASE 106	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
21/07/2016	18437/16	POSITIVE	NEGATIVE	Not sequenced					
01/04/2017	10674/17	POSITIVE	WEAK	Pol17/WB-CASE 252	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
01/04/2017	10883-2/17	NEGATIVE	POSITIVE	Not sequenced					
03/04/2017	11184/17	POSITIVE	POSITIVE	Pol17/WB-CASE 256	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
03/04/2017	11183/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 254	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
03/04/2017	11182/17	POSITIVE	WEAK ²	Pol17/WB-CASE 257	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
03/04/2017	11078/17	POSITIVE	POSITIVE	Pol17/WB-CASE 258	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
04/04/2017	11181-4/17	POSITIVE	NEGATIVE	Not sequenced					
04/04/2017	11081/17	POSITIVE	POSITIVE	Pol17/WB-CASE 255	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
04/04/2017	11181-3/17	POSITIVE	POSITIVE	Pol17/WB-CASE 259	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
05/04/2017	11610/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 261	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
05/04/2017	11611/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 262	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
10/04/2017	11609/17	POSITIVE	POSITIVE	Pol17/WB-CASE 260	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
06/04/2017	11613/17	POSITIVE	POSITIVE	Pol17/WB-CASE 263	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
07/04/2017	11614/17	POSITIVE	POSITIVE	Pol17/WB-CASE 264	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
07/04/2017	11860-2/17	POSITIVE	POSITIVE	Pol17/WB-CASE 266	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
07/04/2017	11730-2/17	NEGATIVE	POSITIVE	Not sequenced					
11/04/2017	12004/17	POSITIVE	POSITIVE	Pol17/WB-CASE 267	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
12/04/2017	12124/17	POSITIVE	POSITIVE	Pol17/WB-CASE 268	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
13/04/2017	12372-2/17	NEGATIVE	POSITIVE	Not sequenced					
13/04/2017	12410/17	POSITIVE	POSITIVE	Not sequenced					
14/04/2017	12455/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 271	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
17/04/2017	12669/17	POSITIVE	POSITIVE	Pol17/WB-CASE 273	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
18/04/2017	12456/17	POSITIVE	POSITIVE	Pol17/WB-CASE 272	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
18/04/2017	12918-2/17	POSITIVE	POSITIVE	Pol17/WB-CASE 274	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
20/04/2017	12917/17	POSITIVE	WEAK	Pol17/WB-CASE 275	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
23/04/2017	13333/17	POSITIVE	NEGATIVE	Not sequenced					
23/04/2017	13334/17	POSITIVE	POSITIVE	Pol17/WB-CASE 277 (90)	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
23/04/2017	13335/17	POSITIVE	POSITIVE	Pol17/WB-CASE 277 (93)	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
23/04/2017	13336/17	POSITIVE	POSITIVE	Pol17/WB-CASE 277 (98)	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
23/04/2017	13337/17	POSITIVE	POSITIVE	Pol17/WB-CASE 277 (101)	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
24/04/2017	14077-2/17	POSITIVE	POSITIVE	Pol17/WB-CASE 279	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
26/04/2017	13707/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 278	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
26/04/2017	14077-3/17	POSITIVE	POSITIVE	Pol17/WB-CASE 280	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
29/04/2017	14274/17	POSITIVE	POSITIVE	Pol17/WB-CASE 281	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
30/04/2017	14446-2/17	POSITIVE	POSITIVE	Pol17/WB-CASE 283	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
30/04/2017	14446-6/17	POSITIVE	POSITIVE	Pol17/WB-CASE 284	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
01/05/2017	14369-9/17	POSITIVE	POSITIVE	Pol17/WB-CASE 282	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
02/05/2017	14541/17	POSITIVE	POSITIVE	Pol17/WB-CASE 288	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
02/05/2017	14538/17	POSITIVE	POSITIVE	Pol17/WB-CASE 286	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
02/05/2017	14537/17	POSITIVE	POSITIVE	Pol17/WB-CASE 285	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
02/05/2017	14547-1/17	POSITIVE	POSITIVE	Pol17/WB-CASE 288	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
02/05/2017	14539/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 287	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
02/05/2017	14547-3/17	POSITIVE	NEGATIVE	Not sequenced					
02/05/2017	14540/17	POSITIVE	POSITIVE	Pol17/WB-CASE 293	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
03/05/2017	14881/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 296	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
04/05/2017	14545/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 290	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
04/05/2017	14542-2/17	POSITIVE	POSITIVE	Not sequenced					
04/05/2017	14542-3/17	POSITIVE	NEGATIVE	Not sequenced					
04/05/2017	14542-1/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 292	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
05/05/2017	14550/17	POSITIVE	POSITIVE	Pol17/WB-CASE 291 (126)	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	
05/05/2017	14551/17	POSITIVE	WEAK	Pol17/WB-CASE 291 (153)	GII	CVR-1	IGR _{I73R-I329L} -2	MGF -1	



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OUTBREAK DATE	ANIMAL RECEIVED	VIRUS DETECTION	ANTIBODY DETECTION	ASFV ISOLATE	GENOTYPING			
					P72 GENOTYPE	CVR SUBTYPING	IGR _{173R-1329L} SUBTYPING	IGR MGF SUBTYPING
05/05/2017	14549/17	POSITIVE	WEAK	Pol17/WB-CASE 291 (159)	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
05/05/2017	14880-21/17	POSITIVE	POSITIVE	Not sequenced				
06/05/2017	14880-23/17	NEGATIVE	POSITIVE	Not sequenced				
08/05/2017	14677/17	POSITIVE	POSITIVE	Pol17/WB-CASE 294	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -2
08/05/2017	14883/17	WEAK ¹	POSITIVE	Not sequenced				
08/05/2017	14884/17	POSITIVE	POSITIVE	Pol17/WB-CASE 298	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
09/05/2017	15163/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 301	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
09/05/2017	15164/17	POSITIVE	POSITIVE	Pol17/WB-CASE 302	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
09/05/2017	15609/17	POSITIVE	POSITIVE	Pol17/WB-CASE 304	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
10/05/2017	15165/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 303 (186)	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
10/05/2017	15166/17	POSITIVE	POSITIVE	Pol17/WB-CASE 303 (189)	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
11/05/2017	15712/17	POSITIVE	POSITIVE	Pol17/WB-CASE 306	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
11/05/2017	15946/17	POSITIVE	WEAK	Pol17/WB-CASE 308	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
12/05/2017	15661/17	POSITIVE	WEAK	Pol17/WB-CASE 305	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -2
12/05/2017	16030/17	POSITIVE	POSITIVE	Pol17/WB-CASE 307	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
13/05/2017	15945/17	POSITIVE	NT	Pol17/WB-CASE 309	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
13/05/2017	15947/17	POSITIVE	WEAK	Pol17/WB-CASE 311	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
13/05/2017	15944/17	POSITIVE	POSITIVE	Not sequenced				
14/05/2017	15943-24/17	POSITIVE	POSITIVE	Pol17/WB-CASE 312	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
17/05/2017	16427/17	POSITIVE	WEAK	Pol17/WB-CASE 313	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
18/05/2017	16734/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 314	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
19/05/2017	16730/17	POSITIVE	POSITIVE	Pol17/WB-CASE 316	GII	CVR-1-SNP2	IGR _{173R-1329L} -2	MGF -1
18/05/2017	16731/17	POSITIVE	WEAK	Pol17/WB-CASE 315	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
18/05/2017	16916/17	POSITIVE	WEAK	Pol17/WB-CASE 317	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
18/05/2017	16918/17	POSITIVE	POSITIVE	Pol17/WB-CASE 319	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
19/05/2017	16917/17	POSITIVE	POSITIVE	Pol17/WB-CASE 318	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
19/05/2017	16953/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 320	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
20/05/2017	17216-26/17	WEAK	POSITIVE	Not sequenced				
22/05/2017	17909/17	POSITIVE	POSITIVE	Pol17/WB-CASE 326	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
22/05/2017	17907/17	POSITIVE	POSITIVE	Not sequenced				
22/05/2017	17218/17	POSITIVE	POSITIVE	Pol17/WB-CASE 321	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
22/05/2017	17219/17	POSITIVE	POSITIVE	Pol17/WB-CASE 322	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
23/05/2017	17966/17	POSITIVE	POSITIVE	Pol17/WB-CASE 329	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
24/05/2017	17834/17	POSITIVE	POSITIVE	Pol17/WB-CASE 325	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -2
24/05/2017	17879/17	WEAK	WEAK	Not sequenced				
24/05/2017	17878/17	POSITIVE	WEAK	Pol17/WB-CASE 328	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
24/05/2017	17880/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 327	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
24/05/2017	17962-6/17	NEGATIVE	POSITIVE	Not sequenced				
25/05/2017	18176-3/17	WEAK	POSITIVE	Not sequenced				
25/05/2017	18070/17	POSITIVE	POSITIVE	Pol17/WB-CASE 324	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
26/05/2017	18305/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 332	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -2
26/05/2017	18307/17	POSITIVE	POSITIVE	Pol17/WB-CASE 333	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
27/05/2017	18463/17	POSITIVE	POSITIVE	Not sequenced				
29/05/2017	18506/17	POSITIVE	NEGATIVE	Not sequenced				
29/05/2017	18507/17	POSITIVE	NEGATIVE	Not sequenced				
29/05/2017	18509/17	POSITIVE	NEGATIVE	Not sequenced				
29/05/2017	18510/17	POSITIVE	WEAK	Pol17/WB-CASE 335	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
29/05/2017	18512/17	POSITIVE	WEAK	Not sequenced				
29/05/2017	19056-11/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 338	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
30/05/2017	18676/17	POSITIVE	POSITIVE	Pol17/WB-CASE 334	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
29/05/2017	18953-2/17	NEGATIVE	POSITIVE	Not sequenced				
31/05/2017	18952/17	POSITIVE	POSITIVE	Pol17/WB-CASE 336	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -1
02/06/2017	19259-1/17	POSITIVE	WEAK	Pol17/WB-CASE 339	GII	CVR- 1	IGR _{173R-1329L} -2	MGF -2
02/06/2017	19259-2/17	POSITIVE	WEAK	Not sequenced				



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OUTBREAK DATE	ANIMAL RECEIVED	VIRUS DETECTION	ANTIBODY DETECTION	ASFV ISOLATE	GENOTYPING			
					P72 GENOTYPE	CVR SUBTYPING	IGR ^{173R-1329L} SUBTYPING	IGR MGF SUBTYPING
02/06/2017	19415-43/17	NEGATIVE	POSITIVE	Not sequenced				
03/06/2017	19415-44/17	NEGATIVE	POSITIVE	Not sequenced				
05/06/2017	19416/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 340	GII	CVR- 1	IGR ^{173R-1329L} -2	MGF -1
06/06/2017	19673-3/17	NEGATIVE	POSITIVE	Not sequenced				
06/06/2017	19924-2/17	POSITIVE	WEAK	Pol17/WB-CASE 344	GII	CVR- 1	IGR ^{173R-1329L} -2	MGF -1
08/06/2017	20063-7/17	NEGATIVE	POSITIVE	Not sequenced				
08/06/2017	20307/17	POSITIVE	POSITIVE	Pol17/WB-CASE 346	GII	CVR- 1	IGR ^{173R-1329L} -2	MGF -1
09/06/2017	20324/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 348	GII	CVR- 1	IGR ^{173R-1329L} -2	MGF -1
09/06/2017	20323/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 349	GII	CVR- 1	IGR ^{173R-1329L} -2	MGF -1
09/06/2017	20708-5/17	NEGATIVE	POSITIVE	Not sequenced				
08/06/2017	20708-1/17	NEGATIVE	POSITIVE	Not sequenced				
08/06/2017	20708-2/17	NEGATIVE	POSITIVE	Not sequenced				
10/06/2017	20708-6/17	NEGATIVE	POSITIVE	Not sequenced				
11/06/2017	20688/17	POSITIVE	POSITIVE	Pol17/WB-CASE 350	GII	CVR- 1	IGR ^{173R-1329L} -2	MGF -1
12/06/2017	20439/17	POSITIVE	POSITIVE	Pol17/WB-CASE 347	GII	CVR- 1	IGR ^{173R-1329L} -2	MGF -2
12/06/2017	20689/17	WEAK	NEGATIVE	Not sequenced				
12/06/2017	20855/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 353	GII	CVR- 1	IGR ^{173R-1329L} -2	MGF -1
13/06/2017	20690/17	POSITIVE	POSITIVE	Pol17/WB-CASE 352	GII	CVR- 1	IGR ^{173R-1329L} -2	MGF -1
12/06/2017	21355-5/17	NEGATIVE	POSITIVE	Not sequenced				
13/06/2017	21044-1/17	POSITIVE	POSITIVE	Pol17/WB-CASE 354	GII	CVR- 1	IGR ^{173R-1329L} -2	MGF -1
14/06/2017	21044-2/17	POSITIVE	POSITIVE	Pol17/WB-CASE 355	GII	CVR- 1	IGR ^{173R-1329L} -2	MGF -1

(1) WEAK= PCR-UPL weak (Ct>35-40)

(2) WEAK = IPT weak titer < 1/80



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Table 12→ ASF FINAL DIAGNOSTIC RESULT IN DOMESTIC PIG								
OUTBREAK DATE	ANIMAL RECEIVED	VIRUS DETECTION	ANTIBODY DETECTION	ASFV ISOLATE	GENOTYPING			
					P72 GENOTYPE	CVR SUBTYPING	IGR173R-1329L SUBTYPING	IGR MGF SUBTYPING
05/06/2017	19426/17	POSITIVE	POSITIVE	Pol17/DP-OUT24	GII	CVR- 1	IGR173R-1329L-2	MGF-1
05/06/2017	19267-2/17	POSITIVE	WEAK ⁽²⁾	Pol17/DP-OUT25	GII	CVR- 1	IGR173R-1329L-2	MGF-1
06/06/2017	19919/17	POSITIVE	NEGATIVE	Pol17/DP-OUT26	GII	CVR- 1	IGR173R-1329L-2	MGF-1
05/06/2017	19532/17	POSITIVE	POSITIVE	Pol17/DP-OUT27	GII	CVR- 1	IGR173R-1329L-2	MGF-1
07/06/2017	19921/17	POSITIVE	POSITIVE	Pol17/DP-OUT28	GII	CVR- 1	IGR173R-1329L-2	MGF-1
07/06/2017	20270/17	POSITIVE	NEGATIVE	Pol17/DP-OUT29	GII	CVR- 1	IGR173R-1329L-2	MGF-1
08/06/2017	20269/17	POSITIVE	NEGATIVE	Pol17/DP-OUT30	GII	CVR- 1	IGR173R-1329L-2	MGF-1
10/06/2017	20425/17	POSITIVE	POSITIVE	Pol17/DP-OUT31	GII	CVR- 1	IGR173R-1329L-2	MGF-1
14/06/2017	20993/17	POSITIVE	POSITIVE	Pol17/DP-OUT32	GII	CVR- 1	IGR173R-1329L-2	MGF-2
16/06/2017	21115-3/17	POSITIVE	NEGATIVE	Pol17/DP-OUT33	GII	CVR- 1	IGR173R-1329L-2	MGF-1
16/06/2017	21117-1/17	POSITIVE	NEGATIVE	Pol17/DP-OUT34	GII	CVR- 1	IGR173R-1329L-2	MGF-1
17/06/2017	21198-1/17	POSITIVE	POSITIVE	Pol17/DP-OUT35	GII	CVR- 1	IGR173R-1329L-2	MGF-1
19/06/2017	21273-5/17	POSITIVE	NEGATIVE	Pol17/DP-OUT36	GII	CVR- 1	IGR173R-1329L-2	MGF-1
19/06/2017	21342/17	POSITIVE	POSITIVE	Pol17/DP-OUT37	GII	CVR- 1	IGR173R-1329L-2	MGF-1
21/06/2017	21869-2/17	POSITIVE	NEGATIVE	Pol17/DP-OUT38	GII	CVR- 1	IGR173R-1329L-2	MGF-1
26/06/2017	22798/17	POSITIVE	POSITIVE	Pol17/DP-OUT39	GII	CVR- 1	IGR173R-1329L-2	MGF-1
26/06/2017	22799/17	POSITIVE	POSITIVE	Pol17/DP-OUT40	GII	CVR- 1	IGR173R-1329L-2	MGF-1
27/06/2017	22957/17	POSITIVE	POSITIVE	Pol17/DP-OUT41	GII	CVR- 1	IGR173R-1329L-2	MGF-1
26/06/2017	22948-1/17	POSITIVE	NEGATIVE	Pol17/DP-OUT42	GII	CVR- 1	IGR173R-1329L-2	MGF-1
27/06/2017	23158-7/17	POSITIVE	NEGATIVE	Pol17/DP-OUT43	GII	CVR- 1	IGR173R-1329L-2	MGF-1
28/06/2017	22956/17	POSITIVE	POSITIVE	Pol17/DP-OUT44	GII	CVR- 1	IGR173R-1329L-2	MGF-1
28/06/2017	23362-1/17	POSITIVE	POSITIVE	Pol17/DP-OUT45	GII	CVR- 1	IGR173R-1329L-2	MGF-1
28/06/2017	23353-2/17	POSITIVE	NEGATIVE	Pol17/DP-OUT46	GII	CVR- 1	IGR173R-1329L-2	MGF-1
30/06/2017	23616-2/17	POSITIVE	POSITIVE	Pol17/DP-OUT47	GII	CVR- 1	IGR173R-1329L-2	MGF-1
28/06/2017	23612/17	POSITIVE	POSITIVE	Pol17/DP-OUT48	GII	CVR- 1	IGR173R-1329L-2	MGF-1
29/06/2017	23721-39/17	POSITIVE	NEGATIVE	Pol17/DP-OUT49	GII	CVR- 1	IGR173R-1329L-2	MGF-1
03/07/2017	23997/17	POSITIVE	WEAK ⁽²⁾	Pol17/DP-OUT50	GII	CVR- 1	IGR173R-1329L-2	MGF-1
05/06/2017	19426/17	POSITIVE	POSITIVE	Pol17/DP-OUT24	GII	CVR- 1	IGR173R-1329L-2	MGF-1
05/06/2017	19267-2/17	POSITIVE	WEAK ⁽²⁾	Pol17/DP-OUT25	GII	CVR- 1	IGR173R-1329L-2	MGF-1
06/06/2017	19919/17	POSITIVE	NEGATIVE	Pol17/DP-OUT26	GII	CVR- 1	IGR173R-1329L-2	MGF-1
05/06/2017	19532/17	POSITIVE	POSITIVE	Pol17/DP-OUT27	GII	CVR- 1	IGR173R-1329L-2	MGF-1
07/06/2017	19921/17	POSITIVE	POSITIVE	Pol17/DP-OUT28	GII	CVR- 1	IGR173R-1329L-2	MGF-1
07/06/2017	20270/17	POSITIVE	NEGATIVE	Pol17/DP-OUT29	GII	CVR- 1	IGR173R-1329L-2	MGF-1
08/06/2017	20269/17	POSITIVE	NEGATIVE	Pol17/DP-OUT30	GII	CVR- 1	IGR173R-1329L-2	MGF-1
10/06/2017	20425/17	POSITIVE	POSITIVE	Pol17/DP-OUT31	GII	CVR- 1	IGR173R-1329L-2	MGF-1
14/06/2017	20993/17	POSITIVE	POSITIVE	Pol17/DP-OUT32	GII	CVR- 1	IGR173R-1329L-2	MGF-2
16/06/2017	21115-3/17	POSITIVE	NEGATIVE	Pol17/DP-OUT33	GII	CVR- 1	IGR173R-1329L-2	MGF-1
16/06/2017	21117-1/17	POSITIVE	NEGATIVE	Pol17/DP-OUT34	GII	CVR- 1	IGR173R-1329L-2	MGF-1
17/06/2017	21198-1/17	POSITIVE	POSITIVE	Pol17/DP-OUT35	GII	CVR- 1	IGR173R-1329L-2	MGF-1
19/06/2017	21273-5/17	POSITIVE	NEGATIVE	Pol17/DP-OUT36	GII	CVR- 1	IGR173R-1329L-2	MGF-1
19/06/2017	21342/17	POSITIVE	POSITIVE	Pol17/DP-OUT37	GII	CVR- 1	IGR173R-1329L-2	MGF-1
21/06/2017	21869-2/17	POSITIVE	NEGATIVE	Pol17/DP-OUT38	GII	CVR- 1	IGR173R-1329L-2	MGF-1
26/06/2017	22798/17	POSITIVE	POSITIVE	Pol17/DP-OUT39	GII	CVR- 1	IGR173R-1329L-2	MGF-1
26/06/2017	22799/17	POSITIVE	POSITIVE	Pol17/DP-OUT40	GII	CVR- 1	IGR173R-1329L-2	MGF-1
27/06/2017	22957/17	POSITIVE	POSITIVE	Pol17/DP-OUT41	GII	CVR- 1	IGR173R-1329L-2	MGF-1
26/06/2017	22948-1/17	POSITIVE	NEGATIVE	Pol17/DP-OUT42	GII	CVR- 1	IGR173R-1329L-2	MGF-1
27/06/2017	23158-7/17	POSITIVE	NEGATIVE	Pol17/DP-OUT43	GII	CVR- 1	IGR173R-1329L-2	MGF-1
28/06/2017	22956/17	POSITIVE	POSITIVE	Pol17/DP-OUT44	GII	CVR- 1	IGR173R-1329L-2	MGF-1
28/06/2017	23362-1/17	POSITIVE	POSITIVE	Pol17/DP-OUT45	GII	CVR- 1	IGR173R-1329L-2	MGF-1
28/06/2017	23353-2/17	POSITIVE	NEGATIVE	Pol17/DP-OUT46	GII	CVR- 1	IGR173R-1329L-2	MGF-1
30/06/2017	23616-2/17	POSITIVE	POSITIVE	Pol17/DP-OUT47	GII	CVR- 1	IGR173R-1329L-2	MGF-1
28/06/2017	23612/17	POSITIVE	POSITIVE	Pol17/DP-OUT48	GII	CVR- 1	IGR173R-1329L-2	MGF-1
29/06/2017	23721-39/17	POSITIVE	NEGATIVE	Pol17/DP-OUT49	GII	CVR- 1	IGR173R-1329L-2	MGF-1



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03/07/2017	23997/17	POSITIVE	WEAK ⁽²⁾	Po17/DP-OUT50	GII	CVR-1	IGR _{173R-1329L} -2	MGF-1
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(1) WEAK = IPT weak titer < 1/80

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