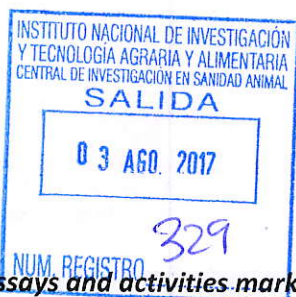




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Instituto Nacional de Investigación
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SUBDIRECCIÓN GENERAL DE
INVESTIGACIÓN Y TECNOLOGÍA
CENTRO DE INVESTIGACIÓN
EN SANIDAD ANIMAL

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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: August 3rd, 2017.

ARRIVAL DATE TO CISA: May 31th, 2017.

RESPONSIBLE FOR SUBMISSION:

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Num. ARRIVAL REGISTER CISA: REG. 93/2017.

TEST REQUESTED: AFRICAN SWINE FEVER (ASF) CONFIRMATORY DIAGNOSIS AND GENE SEQUENCING.

Num. SAMPLES RECEIVED: 397 samples: all samples from 124 wild boar comprising 134 tissues, 33 homogenate of tissues, 5 bloods with EDTA, 21 sera, 1 clotted blood and 203 DNAs identified as follows (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	00005/17	1	CASE 165	00005	Zalesie	TISSUE	BONE MARROW
WILD BOAR	00005/17	2	CASE 165	00005	Zalesie	HOMOGENATE	BONE MARROW
WILD BOAR	00005/17	3	CASE 165	00005	Zalesie	DNA	BONE MARROW
WILD BOAR	00005/17	4	CASE 165	00005	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	00006/17	5	CASE 164	00006	Zalesie	TISSUE	BONE MARROW
WILD BOAR	00006/17	6	CASE 164	00006	Zalesie	HOMOGENATE	BONE MARROW
WILD BOAR	00006/17	7	CASE 164	00006	Zalesie	DNA	BONE MARROW



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HOST	Animals received	Sample ID CISA	Sample laboratory code			TYPE SAMPLE RECEIVED	
WILD BOAR	00006/17	8	CASE 164	00006	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	00016/17	9	CASE 166	00016	Zalesie	BLOOD	SERUM
WILD BOAR	00016/17	10	CASE 166	00016	Zalesie	DNA	SERUM
WILD BOAR	00017/17	11	CASE 167	00017	Zalesie	BLOOD	SERUM
WILD BOAR	00117/17	12	CASE 168	00117	Mielnik	TISSUE	SPLEEN
WILD BOAR	00117/17	13	CASE 168	00117	Mielnik	DNA	SPLEEN
WILD BOAR	00117/17	14	CASE 168	00117	Mielnik	TISSUE	LYMPH NODE
WILD BOAR	00117/17	15	CASE 168	00117	Mielnik	DNA	LYMPH NODE
WILD BOAR	00451/17	16	CASE 169	00451	Sarnaki	TISSUE	SPLEEN
WILD BOAR	00451/17	17	CASE 169	00451	Sarnaki	DNA	SPLEEN
WILD BOAR	00451/17	18	CASE 169	00451	Sarnaki	TISSUE	KIDNEY
WILD BOAR	00451/17	19	CASE 169	00451	Sarnaki	DNA	KIDNEY
WILD BOAR	00389-15/17	20	CASE 170	00389 wb nº 15	Trzcianne	BLOOD	SERUM
WILD BOAR	00685-1/17	21	CASE 171	00685 wb nº 1	Trzcianne	TISSUE	BONE MARROW
WILD BOAR	00685-1/17	22	CASE 171	00685 wb nº 1	Trzcianne	DNA	BONE MARROW
WILD BOAR	00685-1/17	23	CASE 171	00685 wb nº 1	Trzcianne	DNA 1/10	BONE MARROW
WILD BOAR	00685-2/17	24	CASE 171	00685 wb nº 2	Trzcianne	TISSUE	BONE MARROW
WILD BOAR	00685-2/17	25	CASE 171	00685 wb nº 2	Trzcianne	DNA	BONE MARROW
WILD BOAR	00685-2/17	26	CASE 171	00685 wb nº 2	Trzcianne	DNA 1/10	BONE MARROW
WILD BOAR	00685-3/17	27	CASE 171	00685 wb nº 3	Trzcianne	TISSUE	BONE MARROW
WILD BOAR	00685-3/17	28	CASE 171	00685 wb nº 3	Trzcianne	DNA	BONE MARROW
WILD BOAR	00685-3/17	29	CASE 171	00685 wb nº 3	Trzcianne	DNA 1/10	BONE MARROW
WILD BOAR	00685-4/17	30	CASE 171	00685 wb nº 4	Trzcianne	TISSUE	BONE MARROW
WILD BOAR	00685-4/17	31	CASE 171	00685 wb nº 4	Trzcianne	DNA	BONE MARROW
WILD BOAR	00685-4/17	32	CASE 171	00685 wb nº 4	Trzcianne	DNA 1/10	BONE MARROW
WILD BOAR	00722/17	33	CASE 171	00722	Trzcianne	TISSUE	SPLEEN
WILD BOAR	00722/17	34	CASE 171	00722	Trzcianne	DNA	SPLEEN
WILD BOAR	00722/17	35	CASE 171	00722	Trzcianne	TISSUE	KIDNEY
WILD BOAR	00722/17	36	CASE 171	00722	Trzcianne	DNA	KIDNEY
WILD BOAR	00750/17	37	CASE 172	00750	Sarnaki	TISSUE	SPLEEN
WILD BOAR	00750/17	38	CASE 172	00750	Sarnaki	DNA	SPLEEN
WILD BOAR	00750/17	39	CASE 172	00750	Sarnaki	TISSUE	KIDNEY
WILD BOAR	00750/17	40	CASE 172	00750	Sarnaki	DNA	KIDNEY
WILD BOAR	00729/17	41	CASE 173	00729	Sarnaki	TISSUE	SPLEEN
WILD BOAR	00729/17	42	CASE 173	00729	Sarnaki	DNA	SPLEEN
WILD BOAR	00729/17	43	CASE 173	00729	Sarnaki	TISSUE	TONSIL
WILD BOAR	00729/17	44	CASE 173	00729	Sarnaki	DNA	TONSIL
WILD BOAR	00758/17	45	CASE 174	00758	Sarnaki	TISSUE	SPLEEN
WILD BOAR	00758/17	46	CASE 174	00758	Sarnaki	DNA	SPLEEN
WILD BOAR	00758/17	47	CASE 174	00758	Sarnaki	TISSUE	KIDNEY
WILD BOAR	00758/17	48	CASE 174	00758	Sarnaki	DNA	KIDNEY
WILD BOAR	01071/17	49	CASE 175	01071	Zalesie	TISSUE	BONE MARROW
WILD BOAR	01071/17	50	CASE 175	01071	Zalesie	DNA	BONE MARROW
WILD BOAR	01071/17	51	CASE 175	01071	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	01114/17	52	CASE 176	01114	Sarnaki	TISSUE	SPLEEN
WILD BOAR	01114/17	53	CASE 176	01114	Sarnaki	DNA	SPLEEN
WILD BOAR	01114/17	54	CASE 176	01114	Sarnaki	TISSUE	LYMPH NODE
WILD BOAR	01114/17	55	CASE 176	01114	Sarnaki	DNA	LYMPH NODE
WILD BOAR	01249/17	56	CASE 177	01249	Gródek	BLOOD	SERUM
WILD BOAR	01386-3/17	57	CASE 180	01386 wb nº 3	Radziłów	BLOOD	SERUM
WILD BOAR	01386-19/17	58	CASE 181	01386 wb nº 19	Radziłów	BLOOD	SERUM
WILD BOAR	01336/17	59	CASE 178	01336	Zalesie	TISSUE	BONE MARROW
WILD BOAR	01336/17	60	CASE 178	01336	Zalesie	DNA	BONE MARROW
WILD BOAR	01336/17	61	CASE 178	01336	Zalesie	DNA 1/10	BONE MARROW



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HOST	Animals received	Sample ID CISA	Sample laboratory code			TYPE SAMPLE RECEIVED	
WILD BOAR	01408/17	62	CASE 179	01408	Zalesie	BLOOD	BLOOD
WILD BOAR	01408/17	63	CASE 179	01408	Zalesie	DNA	BLOOD
WILD BOAR	01443/17	64	CASE 182	01443	Knyszyn	BLOOD	SERUM
WILD BOAR	01660/17	65	CASE 186	01660	Mielnik	TISSUE	BONE MARROW
WILD BOAR	01660/17	66	CASE 186	01660	Mielnik	DNA	BONE MARROW
WILD BOAR	01660/17	67	CASE 186	01660	Mielnik	DNA 1/10	BONE MARROW
WILD BOAR	01713/17	68	CASE 183	01713	Zalesie	BLOOD	BLOOD
WILD BOAR	01713/17	69	CASE 183	01713	Zalesie	DNA	BLOOD
WILD BOAR	01715/17	70	CASE 184	01715	Zalesie	TISSUE	BONE MARROW
WILD BOAR	01715/17	71	CASE 184	01715	Zalesie	HOMOGENATE	BONE MARROW
WILD BOAR	01715/17	72	CASE 184	01715	Zalesie	DNA	BONE MARROW
WILD BOAR	01715/17	73	CASE 184	01715	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	01806/17	74	CASE 185	01806	Janów Podlask	BLOOD	BLOOD
WILD BOAR	01806/17	75	CASE 185	01806	Janów Podlask	DNA	BLOOD
WILD BOAR	01913/17	76	CASE 187	01913	Radziłów	TISSUE	SPLEEN
WILD BOAR	01913/17	77	CASE 187	01913	Radziłów	DNA	SPLEEN
WILD BOAR	01913/17	78	CASE 187	01913	Radziłów	TISSUE	KIDNEY
WILD BOAR	01913/17	79	CASE 187	01913	Radziłów	DNA	KIDNEY
WILD BOAR	02029-1/17	80	CASE 188	02029 wb nº 1	Piszczac	TISSUE	BONE MARROW
WILD BOAR	02029-1/17	81	CASE 188	02029 wb nº 1	Piszczac	DNA	BONE MARROW
WILD BOAR	02029-1/17	82	CASE 188	02029 wb nº 1	Piszczac	DNA 1/10	BONE MARROW
WILD BOAR	02029-2/17	83	CASE 189	02029 wb nº 2	Zalesie	TISSUE	BONE MARROW
WILD BOAR	02029-2/17	84	CASE 189	02029 wb nº 2	Zalesie	DNA	BONE MARROW
WILD BOAR	02029-2/17	85	CASE 189	02029 wb nº 2	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	02029-3/17	86	CASE 190	02029 wb nº 3	Zalesie	TISSUE	BONE MARROW
WILD BOAR	02029-3/17	87	CASE 190	02029 wb nº 3	Zalesie	DNA	BONE MARROW
WILD BOAR	02029-3/17	88	CASE 190	02029 wb nº 3	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	02053/17	89	CASE 191	02053	Terespol	BLOOD	BLOOD
WILD BOAR	02053/17	90	CASE 191	02053	Terespol	DNA	BLOOD
WILD BOAR	02109/17	91	CASE 194	02109	Sarnaki	HOMOGENATE	SPLEEN
WILD BOAR	02109/17	92	CASE 194	02109	Sarnaki	DNA	SPLEEN
WILD BOAR	02110/17	93	CASE 192	02110	Sarnaki	HOMOGENATE	SPLEEN
WILD BOAR	02110/17	94	CASE 192	02110	Sarnaki	DNA	SPLEEN
WILD BOAR	02111/17	95	CASE 193	02111	Sarnaki	HOMOGENATE	SPLEEN
WILD BOAR	02111/17	96	CASE 193	02111	Sarnaki	DNA	SPLEEN
WILD BOAR	02113/17	97	CASE 195	02113	Sarnaki	TISSUE	SPLEEN
WILD BOAR	02113/17	98	CASE 195	02113	Sarnaki	DNA	SPLEEN
WILD BOAR	02113/17	99	CASE 195	02113	Sarnaki	TISSUE	KIDNEY
WILD BOAR	02113/17	100	CASE 195	02113	Sarnaki	DNA	KIDNEY
WILD BOAR	02544/17	101	CASE 196	02544	Trzcianne	TISSUE	BONE MARROW
WILD BOAR	02544/17	102	CASE 196	02544	Trzcianne	DNA	BONE MARROW
WILD BOAR	02544/17	103	CASE 196	02544	Trzcianne	DNA 1/10	BONE MARROW
WILD BOAR	02544/17	104	CASE 196	02544	Trzcianne	TISSUE	LUNG
WILD BOAR	02544/17	105	CASE 196	02544	Trzcianne	DNA	LUNG
WILD BOAR	02544/17	106	CASE 196	02544	Trzcianne	TISSUE	LIVER
WILD BOAR	02544/17	107	CASE 196	02544	Trzcianne	DNA	LIVER
WILD BOAR	02605/17	108	CASE 197	02605	Zalesie	TISSUE	BONE MARROW
WILD BOAR	02605/17	109	CASE 197	02605	Zalesie	HOMOGENATE	BONE MARROW
WILD BOAR	02605/17	110	CASE 197	02605	Zalesie	DNA	BONE MARROW
WILD BOAR	02605/17	111	CASE 197	02605	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	02800/17	112	CASE 198	02800	Mielnik	TISSUE	BONE MARROW
WILD BOAR	02800/17	113	CASE 198	02800	Mielnik	DNA	BONE MARROW
WILD BOAR	02800/17	114	CASE 198	02800	Mielnik	DNA 1/10	BONE MARROW
WILD BOAR	02800/17	115	CASE 198	02800	Mielnik	TISSUE	KIDNEY



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HOST	Animals received	Sample ID CISA	Sample laboratory code			TYPE SAMPLE RECEIVED	
WILD BOAR	02800/17	116	CASE 198	02800	Mielnik	DNA	KIDNEY
WILD BOAR	02942-1/17	117	CASE 199	02942 wb nº 1	Janów Podlask	TISSUE	MUSCLE
WILD BOAR	02942-1/17	118	CASE 199	02942 wb nº 1	Janów Podlask	HOMOGENATE	MUSCLE
WILD BOAR	02942-1/17	119	CASE 199	02942 wb nº 1	Janów Podlask	DNA	MUSCLE
WILD BOAR	02942-2/17	120	CASE 199	02942 wb nº 2	Janów Podlask	TISSUE	KIDNEY
WILD BOAR	02942-2/17	121	CASE 199	02942 wb nº 2	Janów Podlask	HOMOGENATE	KIDNEY
WILD BOAR	02942-2/17	122	CASE 199	02942 wb nº 2	Janów Podlask	DNA	KIDNEY
WILD BOAR	02942-3/17	123	CASE 199	02942 wb nº 3	Janów Podlask	TISSUE	SPLEEN
WILD BOAR	02942-3/17	124	CASE 199	02942 wb nº 3	Janów Podlask	HOMOGENATE	SPLEEN
WILD BOAR	02942-3/17	125	CASE 199	02942 wb nº 3	Janów Podlask	DNA	SPLEEN
WILD BOAR	02942-4/17	126	CASE 199	02942 wb nº 4	Janów Podlask	TISSUE	LYMPH NODE
WILD BOAR	02942-4/17	127	CASE 199	02942 wb nº 4	Janów Podlask	HOMOGENATE	LYMPH NODE
WILD BOAR	02942-4/17	128	CASE 199	02942 wb nº 4	Janów Podlask	DNA	LYMPH NODE
WILD BOAR	02942-5/17	129	CASE 199	02942 wb nº 5	Janów Podlask	TISSUE	LUNG
WILD BOAR	02942-5/17	130	CASE 199	02942 wb nº 5	Janów Podlask	HOMOGENATE	LUNG
WILD BOAR	02942-5/17	131	CASE 199	02942 wb nº 5	Janów Podlask	DNA	LUNG
WILD BOAR	03025/17	132	CASE 200	03025	Sarnaki	TISSUE	SPLEEN
WILD BOAR	03025/17	133	CASE 200	03025	Sarnaki	DNA	SPLEEN
WILD BOAR	03025/17	134	CASE 200	03025	Sarnaki	TISSUE	LYMPH NODE
WILD BOAR	03025/17	135	CASE 200	03025	Sarnaki	DNA	LYMPH NODE
WILD BOAR	03026/17	136	CASE 200	03026	Sarnaki	TISSUE	SPLEEN
WILD BOAR	03026/17	137	CASE 200	03026	Sarnaki	DNA	SPLEEN
WILD BOAR	03026/17	138	CASE 200	03026	Sarnaki	TISSUE	LYMPH NODE
WILD BOAR	03026/17	139	CASE 200	03026	Sarnaki	DNA	LYMPH NODE
WILD BOAR	03027/17	140	CASE 201	03027	Sarnaki	TISSUE	SPLEEN
WILD BOAR	03027/17	141	CASE 201	03027	Sarnaki	DNA	SPLEEN
WILD BOAR	03028/17	142	CASE 201	03028	Sarnaki	TISSUE	SPLEEN
WILD BOAR	03028/17	143	CASE 201	03028	Sarnaki	DNA	SPLEEN
WILD BOAR	03028/17	144	CASE 201	03028	Sarnaki	TISSUE	KIDNEY
WILD BOAR	03028/17	145	CASE 201	03028	Sarnaki	DNA	KIDNEY
WILD BOAR	03029/17	146	CASE 201	03029	Sarnaki	TISSUE	SPLEEN
WILD BOAR	03029/17	147	CASE 201	03029	Sarnaki	DNA	SPLEEN
WILD BOAR	03029/17	148	CASE 201	03029	Sarnaki	TISSUE	KIDNEY
WILD BOAR	03029/17	149	CASE 201	03029	Sarnaki	DNA	KIDNEY
WILD BOAR	03030/17	150	CASE 201	03030	Sarnaki	TISSUE	SPLEEN
WILD BOAR	03030/17	151	CASE 201	03030	Sarnaki	DNA	SPLEEN
WILD BOAR	03030/17	152	CASE 201	03030	Sarnaki	TISSUE	KIDNEY
WILD BOAR	03030/17	153	CASE 201	03030	Sarnaki	DNA	KIDNEY
WILD BOAR	03031/17	154	CASE 201	03031	Sarnaki	TISSUE	BONE MARROW
WILD BOAR	03031/17	155	CASE 201	03031	Sarnaki	DNA	BONE MARROW
WILD BOAR	03031/17	156	CASE 201	03031	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	03032/17	157	CASE 201	03032	Sarnaki	TISSUE	BONE MARROW
WILD BOAR	03032/17	158	CASE 201	03032	Sarnaki	DNA	BONE MARROW
WILD BOAR	03032/17	159	CASE 201	03032	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	03203/17	160	CASE 202	03203	Janów Podlask	TISSUE	SPLEEN
WILD BOAR	03203/17	161	CASE 202	03203	Janów Podlask	DNA	SPLEEN
WILD BOAR	03485/17	162	CASE 203	03485	Nurzec Stacja	BLOOD	SERUM
WILD BOAR	03684/17	163	CASE 204	03684	Mielnik	TISSUE	BONE MARROW
WILD BOAR	03684/17	164	CASE 204	03684	Mielnik	HOMOGENATE	BONE MARROW
WILD BOAR	03684/17	165	CASE 204	03684	Mielnik	DNA	BONE MARROW
WILD BOAR	03684/17	166	CASE 204	03684	Mielnik	DNA 1/10	BONE MARROW
WILD BOAR	03739/17	167	CASE 205	03739	Zalesie	TISSUE	BONE MARROW
WILD BOAR	03739/17	168	CASE 205	03739	Zalesie	HOMOGENATE	BONE MARROW
WILD BOAR	03739/17	169	CASE 205	03739	Zalesie	DNA	BONE MARROW



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WILD BOAR	03739/17	170	CASE 205	03739	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	03738-5/17	171	CASE 206	03738 wb nº 5	Zalesie	BLOOD	SERUM
WILD BOAR	04078/17	172	CASE 207	04078	Mielnik	TISSUE	BONE MARROW
WILD BOAR	04078/17	173	CASE 207	04078	Mielnik	HOMOGENATE	BONE MARROW
WILD BOAR	04078/17	174	CASE 207	04078	Mielnik	DNA	BONE MARROW
WILD BOAR	04078/17	175	CASE 207	04078	Mielnik	DNA 1/10	BONE MARROW
WILD BOAR	04082-2/17	176	CASE 208	04082 wb nº 2	Mielnik	BLOOD	SERUM
WILD BOAR	04360-1/17	177	CASE 209	04360 wb nº 1	Trzcianne	TISSUE	BONE MARROW
WILD BOAR	04360-1/17	178	CASE 209	04360 wb nº 1	Trzcianne	HOMOGENATE	BONE MARROW
WILD BOAR	04360-1/17	179	CASE 209	04360 wb nº 1	Trzcianne	DNA	BONE MARROW
WILD BOAR	04360-1/17	180	CASE 209	04360 wb nº 1	Trzcianne	DNA 1/10	BONE MARROW
WILD BOAR	04360-2/17	181	CASE 209	04360 wb nº 2	Trzcianne	TISSUE	BONE MARROW
WILD BOAR	04360-2/17	182	CASE 209	04360 wb nº 2	Trzcianne	HOMOGENATE	BONE MARROW
WILD BOAR	04360-2/17	183	CASE 209	04360 wb nº 2	Trzcianne	DNA	BONE MARROW
WILD BOAR	04360-2/17	184	CASE 209	04360 wb nº 2	Trzcianne	DNA 1/10	BONE MARROW
WILD BOAR	04360-3/17	185	CASE 209	04360 wb nº 3	Trzcianne	TISSUE	BONE MARROW
WILD BOAR	04360-3/17	186	CASE 209	04360 wb nº 3	Trzcianne	HOMOGENATE	BONE MARROW
WILD BOAR	04360-3/17	187	CASE 209	04360 wb nº 3	Trzcianne	DNA	BONE MARROW
WILD BOAR	04360-3/17	188	CASE 209	04360 wb nº 3	Trzcianne	DNA 1/10	BONE MARROW
WILD BOAR	04461/17	189	CASE 210	04461	Sarnaki	TISSUE	SPLEEN
WILD BOAR	04461/17	190	CASE 210	04461	Sarnaki	DNA	SPLEEN
WILD BOAR	04461/17	191	CASE 210	04461	Sarnaki	TISSUE	KIDNEY
WILD BOAR	04461/17	192	CASE 210	04461	Sarnaki	DNA	KIDNEY
WILD BOAR	04463/17	193	CASE 211	04463	Sarnaki	TISSUE	SPLEEN
WILD BOAR	04463/17	194	CASE 211	04463	Sarnaki	DNA	SPLEEN
WILD BOAR	04463/17	195	CASE 211	04463	Sarnaki	TISSUE	KIDNEY
WILD BOAR	04463/17	196	CASE 211	04463	Sarnaki	DNA	KIDNEY
WILD BOAR	04703/17	197	CASE 212	04703	Rokitno	TISSUE	BONE MARROW
WILD BOAR	04703/17	198	CASE 212	04703	Rokitno	HOMOGENATE	BONE MARROW
WILD BOAR	04703/17	199	CASE 212	04703	Rokitno	DNA	BONE MARROW
WILD BOAR	04703/17	200	CASE 212	04703	Rokitno	DNA 1/10	BONE MARROW
WILD BOAR	04955/17	201	CASE 213	04955	Zalesie	TISSUE	BONE MARROW
WILD BOAR	04955/17	202	CASE 213	04955	Zalesie	HOMOGENATE	BONE MARROW
WILD BOAR	04955/17	203	CASE 213	04955	Zalesie	DNA	BONE MARROW
WILD BOAR	04955/17	204	CASE 213	04955	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	05189/17	205	CASE 214	5189	Janów Podlask	BLOOD	BLOOD
WILD BOAR	05189/17	206	CASE 214	5189	Janów Podlask	DNA	BLOOD
WILD BOAR	05447/17	207	CASE 216	05447	Zalesie	TISSUE	BONE MARROW
WILD BOAR	05447/17	208	CASE 216	05447	Zalesie	DNA	BONE MARROW
WILD BOAR	05447/17	209	CASE 216	05447	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	05449/17	210	CASE 217	05449	Zalesie	TISSUE	BONE MARROW
WILD BOAR	05449/17	211	CASE 217	05449	Zalesie	DNA	BONE MARROW
WILD BOAR	05449/17	212	CASE 217	05449	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	05450/17	213	CASE 215	05450	Zalesie	TISSUE	BONE MARROW
WILD BOAR	05450/17	214	CASE 215	05450	Zalesie	DNA	BONE MARROW
WILD BOAR	05450/17	215	CASE 215	05450	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	05675-7/17	216	CASE 218	05675 wb nº 7	Mielnik	BLOOD	SERUM
WILD BOAR	05680/17	217	CASE 219	05680	Sarnaki	TISSUE	BONE MARROW
WILD BOAR	05680/17	218	CASE 219	05680	Sarnaki	DNA	BONE MARROW
WILD BOAR	05680/17	219	CASE 219	05680	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	05681/17	220	CASE 219	05681	Sarnaki	TISSUE	SPLEEN
WILD BOAR	05681/17	221	CASE 219	05681	Sarnaki	DNA	SPLEEN
WILD BOAR	05837-1/17	222	CASE 220	05837 wb nº 1	Mielnik	TISSUE	BONE MARROW
WILD BOAR	05837-1/17	223	CASE 220	05837 wb nº 1	Mielnik	HOMOGENATE	BONE MARROW



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HOST	Animals received	Sample ID CISA	Sample laboratory code			TYPE SAMPLE RECEIVED	
WILD BOAR	05837-1/17	224	CASE 220	05837 wb nº 1	Mielnik	DNA	BONE MARROW
WILD BOAR	05837-1/17	225	CASE 220	05837 wb nº 1	Mielnik	DNA 1/10	BONE MARROW
WILD BOAR	05837-2/17	226	CASE 220	05837 wb nº 2	Mielnik	TISSUE	BONE MARROW
WILD BOAR	05837-2/17	227	CASE 220	05837 wb nº 2	Mielnik	HOMOGENATE	BONE MARROW
WILD BOAR	05837-2/17	228	CASE 220	05837 wb nº 2	Mielnik	DNA	BONE MARROW
WILD BOAR	05837-2/17	229	CASE 220	05837 wb nº 2	Mielnik	DNA 1/10	BONE MARROW
WILD BOAR	05837-3/18	230*	CASE 220	05837 wb nº 3	Mielnik	TISSUE	BONE MARROW
WILD BOAR	05837-3/18	231	CASE 220	05837 wb nº 3	Mielnik	HOMOGENATE	BONE MARROW
WILD BOAR	05837-3/18	232	CASE 220	05837 wb nº 3	Mielnik	DNA	BONE MARROW
WILD BOAR	05837-3/18	233	CASE 220	05837 wb nº 3	Mielnik	DNA 1/10	BONE MARROW
WILD BOAR	05837-4/18	234	CASE 221	05837 wb nº 4	Mielnik	TISSUE	BONE MARROW
WILD BOAR	05837-4/18	235	CASE 221	05837 wb nº 4	Mielnik	HOMOGENATE	BONE MARROW
WILD BOAR	05837-4/18	236	CASE 221	05837 wb nº 4	Mielnik	DNA	BONE MARROW
WILD BOAR	05837-4/18	237	CASE 221	05837 wb nº 4	Mielnik	DNA 1/10	BONE MARROW
WILD BOAR	05837-5/19	238	CASE 221	05837 wb nº 5	Mielnik	TISSUE	BONE MARROW
WILD BOAR	05837-5/19	239	CASE 221	05837 wb nº 5	Mielnik	HOMOGENATE	BONE MARROW
WILD BOAR	05837-5/19	240	CASE 221	05837 wb nº 5	Mielnik	DNA	BONE MARROW
WILD BOAR	05837-5/19	241	CASE 221	05837 wb nº 5	Mielnik	DNA 1/10	BONE MARROW
WILD BOAR	05837-6/19	242	CASE 221	05837 wb nº 6	Mielnik	TISSUE	BONE MARROW
WILD BOAR	05837-6/19	243	CASE 221	05837 wb nº 6	Mielnik	HOMOGENATE	BONE MARROW
WILD BOAR	05837-6/19	244	CASE 221	05837 wb nº 6	Mielnik	DNA	BONE MARROW
WILD BOAR	05837-6/19	245	CASE 221	05837 wb nº 6	Mielnik	DNA 1/10	BONE MARROW
WILD BOAR	05838/17	246	CASE 220	05838	Mielnik	TISSUE	SPLEEN
WILD BOAR	05838/17	247	CASE 220	05838	Mielnik	DNA	SPLEEN
WILD BOAR	05838/17	248	CASE 220	05838	Mielnik	TISSUE	LYMPH NODE
WILD BOAR	05838/17	249	CASE 220	05838	Mielnik	DNA	LYMPH NODE
WILD BOAR	05839/17	250	CASE 220	05839	Mielnik	TISSUE	SPLEEN
WILD BOAR	05839/17	251	CASE 220	05839	Mielnik	DNA	SPLEEN
WILD BOAR	05839/17	252	CASE 220	05839	Mielnik	TISSUE	LYMPH NODE
WILD BOAR	05839/17	253	CASE 220	05839	Mielnik	DNA	LYMPH NODE
WILD BOAR	05840/17	254	CASE 220	05840	Mielnik	TISSUE	SPLEEN
WILD BOAR	05840/17	255	CASE 220	05840	Mielnik	DNA	SPLEEN
WILD BOAR	05840/17	256	CASE 220	05840	Mielnik	TISSUE	LYMPH NODE
WILD BOAR	05840/17	257	CASE 220	05840	Mielnik	DNA	LYMPH NODE
WILD BOAR	05840/17	258	CASE 220	05840	Mielnik	TISSUE	KIDNEY
WILD BOAR	05840/17	259	CASE 220	05840	Mielnik	DNA	KIDNEY
WILD BOAR	05841/17	260	CASE 220	05841	Mielnik	TISSUE	SPLEEN
WILD BOAR	05841/17	261	CASE 220	05841	Mielnik	DNA	SPLEEN
WILD BOAR	05841/17	262	CASE 220	05841	Mielnik	TISSUE	LYMPH NODE
WILD BOAR	05841/17	263	CASE 220	05841	Mielnik	DNA	LYMPH NODE
WILD BOAR	05842/17	264	CASE 220	05842	Mielnik	TISSUE	SPLEEN
WILD BOAR	05842/17	265	CASE 220	05842	Mielnik	DNA	SPLEEN
WILD BOAR	05842/17	266	CASE 220	05842	Mielnik	TISSUE	LYMPH NODE
WILD BOAR	05842/17	267	CASE 220	05842	Mielnik	DNA	LYMPH NODE
WILD BOAR	05843/17	268	CASE 220	05843	Mielnik	TISSUE	SPLEEN
WILD BOAR	05843/17	269	CASE 220	05843	Mielnik	DNA	SPLEEN
WILD BOAR	05843/17	270	CASE 220	05843	Mielnik	TISSUE	LYMPH NODE
WILD BOAR	05843/17	271	CASE 220	05843	Mielnik	DNA	LYMPH NODE
WILD BOAR	05951/17	272	CASE 220	05951	Mielnik	TISSUE	SPLEEN
WILD BOAR	05951/17	273	CASE 220	05951	Mielnik	DNA	SPLEEN
WILD BOAR	05951/17	274	CASE 220	05951	Mielnik	TISSUE	LYMPH NODE
WILD BOAR	05951/17	275	CASE 220	05951	Mielnik	DNA	LYMPH NODE
WILD BOAR	06171/17	276	CASE 222	06171	Sarnaki	TISSUE	LYMPH NODE
WILD BOAR	06171/17	277	CASE 222	06171	Sarnaki	DNA	LYMPH NODE



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HOST	Animals received	Sample ID CISA	Sample laboratory code			TYPE SAMPLE RECEIVED	
WILD BOAR	06171/17	278	CASE 222	06171	Sarnaki	TISSUE	KIDNEY
WILD BOAR	06171/17	279	CASE 222	06171	Sarnaki	DNA	KIDNEY
WILD BOAR	06422/17	280	CASE 223	06422	Stara Kornica	TISSUE	SPLEEN
WILD BOAR	06422/17	281	CASE 223	06422	Stara Kornica	DNA	SPLEEN
WILD BOAR	06422/17	282	CASE 223	06422	Stara Kornica	TISSUE	KIDNEY
WILD BOAR	06422/17	283	CASE 223	06422	Stara Kornica	DNA	KIDNEY
WILD BOAR	06448/17	284	CASE 224	06448	Mielnik	TISSUE	SPLEEN
WILD BOAR	06448/17	285	CASE 224	06448	Mielnik	DNA	SPLEEN
WILD BOAR	06448/17	286	CASE 224	06448	Mielnik	TISSUE	LYMPH NODE
WILD BOAR	06448/17	287	CASE 224	06448	Mielnik	DNA	LYMPH NODE
WILD BOAR	06457-1/17	288	CASE 225	06457 wb nº 1	Zalesie	TISSUE	BONE MARROW
WILD BOAR	06457-1/17	289	CASE 225	06457 wb nº 1	Zalesie	DNA	BONE MARROW
WILD BOAR	06457-1/17	290	CASE 225	06457 wb nº 1	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	06457-2/17	291	CASE 226	06457 wb nº 2	Zalesie	TISSUE	BONE MARROW
WILD BOAR	06457-2/17	292	CASE 226	06457 wb nº 2	Zalesie	HOMOGENATE	BONE MARROW
WILD BOAR	06457-2/17	293	CASE 226	06457 wb nº 2	Zalesie	DNA	BONE MARROW
WILD BOAR	06457-2/17	294	CASE 226	06457 wb nº 2	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	06959/17	295	CASE 227	06959	Mielnik	TISSUE	LYMPH NODE
WILD BOAR	06959/17	296	CASE 227	06959	Mielnik	DNA	LYMPH NODE
WILD BOAR	06959/17	297	CASE 227	06959	Mielnik	TISSUE	KIDNEY
WILD BOAR	06959/17	298	CASE 227	06959	Mielnik	DNA	KIDNEY
WILD BOAR	06961/17	299	CASE 227	06961	Mielnik	TISSUE	SPLEEN
WILD BOAR	06961/17	300	CASE 227	06961	Mielnik	DNA	SPLEEN
WILD BOAR	06961/17	301	CASE 227	06961	Mielnik	TISSUE	LYMPH NODE
WILD BOAR	06961/17	302	CASE 227	06961	Mielnik	DNA	LYMPH NODE
WILD BOAR	07331/17	303	CASE 228	07331	Sarnaki	TISSUE	BONE MARROW
WILD BOAR	07331/17	304	CASE 228	07331	Sarnaki	DNA	BONE MARROW
WILD BOAR	07331/17	305	CASE 228	07331	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	07332/17	306	CASE 228	07332	Sarnaki	TISSUE	BONE MARROW
WILD BOAR	07332/17	307	CASE 228	07332	Sarnaki	DNA	BONE MARROW
WILD BOAR	07332/17	308	CASE 228	07332	Sarnaki	DNA 1/10	BONE MARROW
WILD BOAR	07333/17	309	CASE 229	07333	Stara Kornica	TISSUE	SPLEEN
WILD BOAR	07333/17	310	CASE 229	07333	Stara Kornica	DNA	SPLEEN
WILD BOAR	07333/17	311	CASE 229	07333	Stara Kornica	TISSUE	KIDNEY
WILD BOAR	07333/17	312	CASE 229	07333	Stara Kornica	DNA	KIDNEY
WILD BOAR	07370-1/17	313	CASE 230	07370 wb nº 1	Zalesie	BLOOD	SERUM
WILD BOAR	07370-2/17	314	CASE 230	07370 wb nº 2	Zalesie	BLOOD	CLOTTED
WILD BOAR	07370-2/17	315	CASE 230	07370 wb nº 2	Zalesie	DNA	CLOTTED
WILD BOAR	07370-4/17	316	CASE 230	07370 wb nº 4	Zalesie	BLOOD	SERUM
WILD BOAR	07370-4/17	317	CASE 230	07370 wb nº 4	Zalesie	DNA	BLOOD
WILD BOAR	07408-1/17	318	CASE 231	07408 wb nº 1	Zalesie	BLOOD	SERUM
WILD BOAR	07408-1/17	319	CASE 231	07408 wb nº 1	Zalesie	DNA	SERUM
WILD BOAR	07668/17	320	CASE 232	07668	Nurzec Stacja	TISSUE	SPLEEN
WILD BOAR	07668/17	321	CASE 232	07668	Nurzec Stacja	DNA	SPLEEN
WILD BOAR	07668/17	322	CASE 232	07668	Nurzec Stacja	TISSUE	KIDNEY
WILD BOAR	07668/17	323	CASE 232	07668	Nurzec Stacja	DNA	KIDNEY
WILD BOAR	07674-1/17	324	CASE 233	07674 wb nº 1	Nurzec Stacja	TISSUE	BONE MARROW
WILD BOAR	07674-1/17	325	CASE 233	07674 wb nº 1	Nurzec Stacja	DNA	BONE MARROW
WILD BOAR	07674-1/17	326	CASE 233	07674 wb nº 1	Nurzec Stacja	DNA 1/10	BONE MARROW
WILD BOAR	07674-2/17	327	CASE 233	07674 wb nº 2	Nurzec Stacja	TISSUE	BONE MARROW
WILD BOAR	07674-2/17	328	CASE 233	07674 wb nº 2	Nurzec Stacja	HOMOGENATE	BONE MARROW
WILD BOAR	07674-2/17	329	CASE 233	07674 wb nº 2	Nurzec Stacja	DNA	BONE MARROW
WILD BOAR	07674-2/17	330	CASE 233	07674 wb nº 2	Nurzec Stacja	DNA 1/10	BONE MARROW
WILD BOAR	07861/17	331	CASE 235	07961	Stara Kornica	TISSUE	SPLEEN



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HOST	Animals received	Sample ID CISA	Sample laboratory code			TYPE SAMPLE RECEIVED	
WILD BOAR	07861/17	332	CASE 235	07961	Stara Kornica	DNA	SPLEEN
WILD BOAR	07861/17	333	CASE 235	07961	Stara Kornica	TISSUE	KIDNEY
WILD BOAR	07861/17	334	CASE 235	07961	Stara Kornica	DNA	KIDNEY
WILD BOAR	07863/17	335	CASE 234	07863	Stara Kornica	TISSUE	SPLEEN
WILD BOAR	07863/17	336	CASE 234	07863	Stara Kornica	DNA	SPLEEN
WILD BOAR	07863/17	337	CASE 234	07863	Stara Kornica	TISSUE	KIDNEY
WILD BOAR	07863/17	338	CASE 234	07863	Stara Kornica	DNA	KIDNEY
WILD BOAR	07852/17	339	CASE 236	07852	Sarnaki	TISSUE	SPLEEN
WILD BOAR	07852/17	340	CASE 236	07852	Sarnaki	HOMOGENATE	SPLEEN
WILD BOAR	07852/17	341	CASE 236	07852	Sarnaki	DNA	SPLEEN
WILD BOAR	08132-3/17	342	CASE 238	08132 wb nº 3	Zalesie	BLOOD	SERUM
WILD BOAR	08132-3/17	343	CASE 238	08132 wb nº 3	Zalesie	DNA	SERUM
WILD BOAR	08132-4/17	344	CASE 239	08132 wb nº 4	Zalesie	BLOOD	SERUM
WILD BOAR	08132-4/17	345	CASE 239	08132 wb nº 4	Zalesie	DNA	SERUM
WILD BOAR	08132-5/17	346	CASE 237	08132 wb nº 5	Zalesie	BLOOD	SERUM
WILD BOAR	08132-5/17	347	CASE 237	08132 wb nº 5	Zalesie	DNA	SERUM
WILD BOAR	08133-1/17	348	CASE 237	08133 wb nº 1	Zalesie	TISSUE	BONE MARROW
WILD BOAR	08133-1/17	349	CASE 237	08133 wb nº 1	Zalesie	DNA	BONE MARROW
WILD BOAR	08133-1/17	350	CASE 237	08133 wb nº 1	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	08133-2/17	351	CASE 237	08133 wb nº 2	Zalesie	TISSUE	BONE MARROW
WILD BOAR	08133-2/17	352	CASE 237	08133 wb nº 2	Zalesie	DNA	BONE MARROW
WILD BOAR	08133-2/17	353	CASE 237	08133 wb nº 2	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	08136/17	354	CASE 240	08136	Zalesie	TISSUE	BONE MARROW
WILD BOAR	08136/17	355	CASE 240	08136	Zalesie	DNA	BONE MARROW
WILD BOAR	08136/17	356	CASE 240	08136	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	08137/17	357	CASE 241	08137	Rokitno	TISSUE	BONE MARROW
WILD BOAR	08137/17	358	CASE 241	08137	Rokitno	DNA	BONE MARROW
WILD BOAR	08137/17	359	CASE 241	08137	Rokitno	DNA 1/10	BONE MARROW
WILD BOAR	08138-6/17	360	CASE 242	08138	Rokitno	BLOOD	SERUM
WILD BOAR	08458/17	361	CASE 243	08458	Trzcianne	TISSUE	BONE MARROW
WILD BOAR	08458/17	362	CASE 243	08458	Trzcianne	DNA	BONE MARROW
WILD BOAR	08458/17	363	CASE 243	08458	Trzcianne	DNA 1/10	BONE MARROW
WILD BOAR	08663/17	364	CASE 244	08663	Zalesie	TISSUE	BONE MARROW
WILD BOAR	08663/17	365	CASE 244	08663	Zalesie	HOMOGENATE	BONE MARROW
WILD BOAR	08663/17	366	CASE 244	08663	Zalesie	DNA	BONE MARROW
WILD BOAR	08663/17	367	CASE 244	08663	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	08699/17	368	CASE 245	08699	Mielnik	TISSUE	SPLEEN
WILD BOAR	08699/17	369	CASE 245	08699	Mielnik	DNA	SPLEEN
WILD BOAR	08699/17	370	CASE 245	08699	Mielnik	TISSUE	LYMPH NODE
WILD BOAR	08699/17	371	CASE 245	08699	Mielnik	DNA	LYMPH NODE
WILD BOAR	09017/17	372	CASE 246	09017	Mielnik	TISSUE	SPLEEN
WILD BOAR	09017/17	373	CASE 246	09017	Mielnik	DNA	SPLEEN
WILD BOAR	09017/17	374	CASE 246	09017	Mielnik	TISSUE	LYMPH NODE
WILD BOAR	09017/17	375	CASE 246	09017	Mielnik	DNA	LYMPH NODE
WILD BOAR	09232-2/17	376	CASE 247	09232 wb nº 2	Mielnik	HOMOGENATE	BONE MARROW
WILD BOAR	09232-2/17	377	CASE 247	09232 wb nº 2	Mielnik	DNA	BONE MARROW
WILD BOAR	09232-2/17	378	CASE 247	09232 wb nº 2	Mielnik	DNA 1/10	BONE MARROW
WILD BOAR	09320/17	379	CASE 248	09320	Janów Podlask	TISSUE	LYMPH NODE
WILD BOAR	09320/17	380	CASE 248	09320	Janów Podlask	DNA	LYMPH NODE
WILD BOAR	10093/17	381	CASE 249	10093	Sarnaki	TISSUE	SPLEEN
WILD BOAR	10093/17	382	CASE 249	10093	Sarnaki	DNA	SPLEEN
WILD BOAR	10093/17	383	CASE 249	10093	Sarnaki	TISSUE	LYMPH NODE
WILD BOAR	10093/17	384	CASE 249	10093	Sarnaki	DNA	LYMPH NODE
WILD BOAR	10255/17	385	CASE 251	10255	Zalesie	TISSUE	BONE MARROW



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HOST	Animals received	Sample ID CISA	Sample laboratory code			TYPE SAMPLE RECEIVED	
WILD BOAR	10255/17	386	CASE 251	10255	Zalesie	HOMOGENATE	BONE MARROW
WILD BOAR	10255/17	387	CASE 251	10255	Zalesie	DNA	BONE MARROW
WILD BOAR	10255/17	388	CASE 251	10255	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	10258/17	389	CASE 250	10258	Zalesie	TISSUE	BONE MARROW
WILD BOAR	10258/17	390	CASE 250	10258	Zalesie	HOMOGENATE	BONE MARROW
WILD BOAR	10258/17	391	CASE 250	10258	Zalesie	DNA	BONE MARROW
WILD BOAR	10258/17	392	CASE 250	10258	Zalesie	DNA 1/10	BONE MARROW
WILD BOAR	10257-1/17	393	CASE 250	10257 wb nº 1	Zalesie	BLOOD	SERUM
WILD BOAR	10257-1/17	394	CASE 250	10257 wb nº 1	Zalesie	DNA	BLOOD
WILD BOAR	10257-2/17	395	CASE 250	10257 wb nº 2	Zalesie	BLOOD	SERUM
WILD BOAR	10257-4/17	396	CASE 250	10257 wb nº 4	Zalesie	BLOOD	SERUM
WILD BOAR	10257-4/17	397	CASE 250	10257 wb nº 4	Zalesie	DNA	BLOOD

*NOTE = SAMPLE 230 (BONE MARROW). Sample in bad conditions (dried)

EXECUTION DATE: From 1st June to 2ND August, 2017

ASF DIAGNOSTIC TESTS PERFORMED:

1. ASF virus detection:

a. **ASFV genome detection.** 10% (w/v) clarified homogenized tissue suspensions were prepared from the 133 tissues in phosphate-buffered saline [PNT/CISA/PPA/MUESTRAS/1] using the High Pure PCR Template Preparation Kit [Ref. 11796828001 (ROCHE)] following the standardised procedure [PNT/CISA/PPA/EXTRACCIÓN ADN/1]. Further DNA amplification was directly performed from the 133 tissue homogenates prepared at the EURL the 33 homogenates received from the NVRI, 21 sera, 5 bloods with EDTA and 1 clotted blood.

The amplification of the ASFV DNA was done by the UPL real-time PCR (Fernández-Pinero *et al.*, 2013) [PNT/CISA/PPA/PCR/3] in a total of 193 DNAs extracted at the EURL and from the 203 extracted DNAs received from the NVRI. The sample ID CISA 230 corresponding to bone marrow obtained from the animal identified as *05837 wild boar number 3 (case 220)* was not tested due to the dry status of the sample.

b. **ASF virus isolation and haemadsorption (HAD) assay*** [PNT/CISA/PPA/VI/1] was performed on porcine blood monocytes (PBM) according is described in the OIE Manual (OIE 2012). The PBM were inoculated at a multiplicity of infection (moi) 1:10 with selected PCR positive 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 were examined for haemadsorption over a period of seven days. The samples have been blind passaged three times.



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2. **ASF serological diagnosis.** For ASF antibody detection, the 21 serum samples were tested using the OIE-indirect ELISA [PNT/CISA/PPA/ELISA/1] and the blocking commercial INGENASA ELISA [PNT/CISA/PPA/ELISA/2] following by the confirmation of positive and/or doubt results by the OIE-immunoblotting test [PNT/CISA/PPA/IB/1]. All serum samples were also tested using the indirect immunoperoxidase technique (IPT)* [PNT/CISA/PPA/IPT/1].

In addition, 63 tissue exudates and 5 bloods were tested using the indirect immunoperoxidase technique (IPT)* [PNT/CISA/PPA/IPT/1] in two fold dilutions starting from 1/20.

The 10% (w/v) clarified **homogenized tissue suspensions from 49 bone marrow samples and 8 homogenates received from the NVRI** were also tested using the indirect immunoperoxidase technique (IPT)* [PNT/CISA/PPA/IPT/1] in two fold dilutions starting from 1/5.

3. **ASFV molecular characterization*.** Genetic characterization of ASFV from **77 wild boar** has been performed by PCR and further sequencing throughout the initial analysis of three independent regions of the ASFV genome which comprises; i) the C- terminal end of VP72 coding protein gene, which differentiates up to 23 distinct genotypes (Boshoff et al., 2007; Achenbach JE et al., 2016), ii) the intergenic region located between the *I73R* and *I329L* genes and characterized by the presence of TRS (Gallardo et al., 2014) and iii) the central variable region (CVR) within the *B602L*-gene (Gallardo et al., 2011). Although the CVR and the IGR_{I73R-I329L} have proven useful for resolving epidemiologic complexities at the genotype II, additional genome markers are required to determine the origin and to map the spread of closely related ASFV isolates circulating in the EU countries. Thus, we used a set of primers which amplified ~500-bp fragment located in the intergenic region between the multigene family (MGF) 505 9R and the 10R genes of ASFV genome. This intergenic region has been recently identified as a potential marker region for distinguishing between modern closely related ASFV isolates of II genotype (Gallardo, C personal communication 2017; Elsukova, A., et al., 2016).

The nucleotide sequences obtained have been compared with **844 representative genotype II ASFVs isolated since April 2007 up to June 2017 from wild and domestic pigs in Eastern and Central European countries** (Armenia, Azerbaijan, Czech Republic, Belarus, Estonia, Latvia, Georgia, Lithuania, Moldova, Poland, Ukraine and Russia Federation).



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RESULTS

1. ASF VIRUS DETECTION.

Positive ASFV result has been obtained by the UPL real-time PCR in **389 out of 396 samples tested confirming the presence of ASFV in 120 out of the 124 wild boar received (96.77%)**. The weak positive result (Ct>35) obtained in the samples identified as 11, 71, 108, 160, 219, 290, 361 and 389 (ID CISA) was confirmed in a second PCR amplification run in which the extracted DNA per each sample was analysed by duplicate. After 3 passages in cell culture **the ASF virus was isolated, showing the haemadsorbing pattern**, in **18 wild boar** from the cases 164, 168, 171, 172, 176, 183, 199 (3), 201, 210, 211, 212, 219, 223, 229, 232 and 235 . The results obtained in virus detection are summarized in the **table 2**.

Table 2→ ASF VIRUS DETECTION RESULTS									
Sample ID CISA	Sample laboratory code in Poland's NRL		TYPE SAMPLE RECEIVED		UPL-real time PCR ^(a)			VI-HAD ^(b) * (3 passages)	
					CT value	2 nd PCR CT values	3 rd PCR CT values		Result
1	CASE 165	00005	TISSUE	BONE MARROW	31.85			POSITIVE	NEG
2	CASE 165	00005	HOMOGENATE	BONE MARROW	34.47			POSITIVE	NT
3	CASE 165	00005	DNA	BONE MARROW	30.34			POSITIVE	NT
4	CASE 165	00005	DNA 1/10	BONE MARROW	33.3			POSITIVE	NT
5	CASE 164	00006	TISSUE	BONE MARROW	34.3			POSITIVE	NEG
6	CASE 164	00006	HOMOGENATE	BONE MARROW	24.05			POSITIVE	POSITIVE
7	CASE 164	00006	DNA	BONE MARROW	25.84			POSITIVE	NT
8	CASE 164	00006	DNA 1/10	BONE MARROW	29.68			POSITIVE	NT
9	CASE 166	00016	BLOOD	SERUM	21.91			POSITIVE	NT
10	CASE 166	00016	DNA	SERUM	26.87			POSITIVE	NT
11	CASE 167	00017	BLOOD	SERUM	36.56	36.16	38.12	WEAK	NT
12	CASE 168	00117	TISSUE	SPLEEN	20.27			POSITIVE	POSITIVE
13	CASE 168	00117	DNA	SPLEEN	19.98			POSITIVE	NT
14	CASE 168	00117	TISSUE	LYMPH NODE	23.31			POSITIVE	NT
15	CASE 168	00117	DNA	LYMPH NODE	21.06			POSITIVE	NT
16	CASE 169	00451	TISSUE	SPLEEN	21.97			POSITIVE	NEG
17	CASE 169	00451	DNA	SPLEEN	21.19			POSITIVE	NT
18	CASE 169	00451	TISSUE	KIDNEY	25.29			POSITIVE	NT
19	CASE 169	00451	DNA	KIDNEY	25.64			POSITIVE	NT
20	CASE 170	00389 wb nº 15	BLOOD	SERUM	22.47			POSITIVE	NT
21	CASE 171	00685 wb nº 1	TISSUE	BONE MARROW	27.57			POSITIVE	NEG
22	CASE 171	00685 wb nº 1	DNA	BONE MARROW	23.16			POSITIVE	NT
23	CASE 171	00685 wb nº 1	DNA 1/10	BONE MARROW	28.06			POSITIVE	NT
24	CASE 171	00685 wb nº 2	TISSUE	BONE MARROW	30.69			POSITIVE	NEG
25	CASE 171	00685 wb nº 2	DNA	BONE MARROW	27.04			POSITIVE	NT
26	CASE 171	00685 wb nº 2	DNA 1/10	BONE MARROW	30.22			POSITIVE	NT
27	CASE 171	00685 wb nº 3	TISSUE	BONE MARROW	24.79			POSITIVE	NEG
28	CASE 171	00685 wb nº 3	DNA	BONE MARROW	22.26			POSITIVE	NT
29	CASE 171	00685 wb nº 3	DNA 1/10	BONE MARROW	26.04			POSITIVE	NT
30	CASE 171	00685 wb nº 4	TISSUE	BONE MARROW	32.04			POSITIVE	NEG
31	CASE 171	00685 wb nº 4	DNA	BONE MARROW	29.46			POSITIVE	NT
32	CASE 171	00685 wb nº 4	DNA 1/10	BONE MARROW	33.15			POSITIVE	NT



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					CT value	2 nd PCR CT values	3 rd PCR CT values	Result	
33	CASE 171	00722	TISSUE	SPLEEN	20.77			POSITIVE	POSITIVE
34	CASE 171	00722	DNA	SPLEEN	20.66			POSITIVE	NT
35	CASE 171	00722	TISSUE	KIDNEY	23.68			POSITIVE	NT
36	CASE 171	00722	DNA	KIDNEY	24.07			POSITIVE	NT
37	CASE 172	00750	TISSUE	SPLEEN	19.76			POSITIVE	POSITIVE
38	CASE 172	00750	DNA	SPLEEN	18.97			POSITIVE	NT
39	CASE 172	00750	TISSUE	KIDNEY	26.23			POSITIVE	NT
40	CASE 172	00750	DNA	KIDNEY	26.63			POSITIVE	NT
41	CASE 173	00729	TISSUE	SPLEEN	24.02			POSITIVE	NEG
42	CASE 173	00729	DNA	SPLEEN	22.54			POSITIVE	NT
43	CASE 173	00729	TISSUE	TONSIL	29.31			POSITIVE	NT
44	CASE 173	00729	DNA	TONSIL	26.73			POSITIVE	NT
45	CASE 174	00758	TISSUE	SPLEEN	20.29			POSITIVE	NEG
46	CASE 174	00758	DNA	SPLEEN	22.26			POSITIVE	NT
47	CASE 174	00758	TISSUE	KIDNEY	30.32			POSITIVE	NT
48	CASE 174	00758	DNA	KIDNEY	31.72			POSITIVE	NT
49	CASE 175	01071	TISSUE	BONE MARROW	26.69			POSITIVE	NEG
50	CASE 175	01071	DNA	BONE MARROW	24.35			POSITIVE	NT
51	CASE 175	01071	DNA 1/10	BONE MARROW	26.33			POSITIVE	NT
52	CASE 176	01114	TISSUE	SPLEEN	20.22			POSITIVE	POSITIVE
53	CASE 176	01114	DNA	SPLEEN	21.07			POSITIVE	NT
54	CASE 176	01114	TISSUE	LYMPH NODE	21.05			POSITIVE	NT
55	CASE 176	01114	DNA	LYMPH NODE	20.91			POSITIVE	NT
56	CASE 177	01249	BLOOD	SERUM	No ct			NEGATIVE	NT
57	CASE 180	01386 wb nº 3	BLOOD	SERUM	26.37			POSITIVE	NT
58	CASE 181	01386 wb nº 19	BLOOD	SERUM	28.66			POSITIVE	NT
59	CASE 178	01336	TISSUE	BONE MARROW	24.42			POSITIVE	NEG
60	CASE 178	01336	DNA	BONE MARROW	23.43			NEGATIVE	NT
61	CASE 178	01336	DNA 1/10	BONE MARROW	26.74			POSITIVE	NT
62	CASE 179	01408	BLOOD	BLOOD	17.1 ¹			POSITIVE	NT
63	CASE 179	01408	DNA	BLOOD	17.61			POSITIVE	NT
64	CASE 182	01443	BLOOD	SERUM	No ct			NEGATIVE	NT
65	CASE 186	01660	TISSUE	BONE MARROW	34.29			POSITIVE	NEG
66	CASE 186	01660	DNA	BONE MARROW	31.66			POSITIVE	NT
67	CASE 186	01660	DNA 1/10	BONE MARROW	38.41			WEAK	NT
68	CASE 183	01713	BLOOD	BLOOD	20.14 ¹			POSITIVE	POSITIVE
69	CASE 183	01713	DNA	BLOOD	19.32			POSITIVE	NT
70	CASE 184	01715	TISSUE	BONE MARROW	No ct			NEGATIVE	NT
71	CASE 184	01715	HOMOGENATE	BONE MARROW	39.9	35.4	37.39	WEAK	NT
72	CASE 184	01715	DNA	BONE MARROW	34.73			POSITIVE	NT
73	CASE 184	01715	DNA 1/10	BONE MARROW	No ct			NEGATIVE	NT
74	CASE 185	01806	BLOOD	BLOOD	16.9			POSITIVE	NT
75	CASE 185	01806	DNA	BLOOD	19.58			POSITIVE	NT
76	CASE 187	01913	TISSUE	SPLEEN	23			POSITIVE	NEG
77	CASE 187	01913	DNA	SPLEEN	20.39			POSITIVE	NT
78	CASE 187	01913	TISSUE	KIDNEY	25.52			POSITIVE	NT
79	CASE 187	01913	DNA	KIDNEY	24.35			POSITIVE	NT
80	CASE 188	02029 wb nº 1	TISSUE	BONE MARROW	25.57			POSITIVE	NEG
81	CASE 188	02029 wb nº 1	DNA	BONE MARROW	26.35			POSITIVE	NT
82	CASE 188	02029 wb nº 1	DNA 1/10	BONE MARROW	28.1			POSITIVE	NT
83	CASE 189	02029 wb nº 2	TISSUE	BONE MARROW	21.7			POSITIVE	NEG
84	CASE 189	02029 wb nº 2	DNA	BONE MARROW	18.96			POSITIVE	NT
85	CASE 189	02029 wb nº 2	DNA 1/10	BONE MARROW	21.94			POSITIVE	NT



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					CT value	2 nd PCR CT values	3 rd PCR CT values	Result	
86	CASE 190	02029 wb nº 3	TISSUE	BONE MARROW	25.29			POSITIVE	NEG
87	CASE 190	02029 wb nº 3	DNA	BONE MARROW	21.57			POSITIVE	NT
88	CASE 190	02029 wb nº 3	DNA 1/10	BONE MARROW	24.4			POSITIVE	NT
89	CASE 191	02053	BLOOD	BLOOD	21.84			POSITIVE	NT
90	CASE 191	02053	DNA	BLOOD	18.88			POSITIVE	NT
91	CASE 194	02109	HOMOGENATE	SPLEEN	23.39			POSITIVE	NT
92	CASE 194	02109	DNA	SPLEEN	19.65			POSITIVE	NT
93	CASE 192	02110	HOMOGENATE	SPLEEN	26.94			POSITIVE	NT
94	CASE 192	02110	DNA	SPLEEN	17.68			POSITIVE	NT
95	CASE 193	02111	HOMOGENATE	SPLEEN	23.35			POSITIVE	NT
96	CASE 193	02111	DNA	SPLEEN	18.85			POSITIVE	NT
97	CASE 195	02113	TISSUE	SPLEEN	23.93			POSITIVE	NEG
98	CASE 195	02113	DNA	SPLEEN	24.61			POSITIVE	NT
99	CASE 195	02113	TISSUE	KIDNEY	29.65			POSITIVE	NT
100	CASE 195	02113	DNA	KIDNEY	28.22			POSITIVE	NT
101	CASE 196	02544	TISSUE	BONE MARROW	27.28			POSITIVE	NT
102	CASE 196	02544	DNA	BONE MARROW	25.69			POSITIVE	NT
103	CASE 196	02544	DNA 1/10	BONE MARROW	30.32			POSITIVE	NT
104	CASE 196	02544	TISSUE	LUNG	21.61			POSITIVE	NEG
105	CASE 196	02544	DNA	LUNG	21.38			POSITIVE	NT
106	CASE 196	02544	TISSUE	LIVER	20.94			POSITIVE	NT
107	CASE 196	02544	DNA	LIVER	19.89			POSITIVE	NT
108	CASE 197	02605	TISSUE	BONE MARROW	37.65	35.91	37.41	WEAK	NEG
109	CASE 197	02605	HOMOGENATE	BONE MARROW	32			POSITIVE	NT
110	CASE 197	02605	DNA	BONE MARROW	23.01			POSITIVE	NT
111	CASE 197	02605	DNA 1/10	BONE MARROW	31.02			POSITIVE	NT
112	CASE 198	02800	TISSUE	BONE MARROW	24.27			POSITIVE	NT
113	CASE 198	02800	DNA	BONE MARROW	26.88			POSITIVE	NT
114	CASE 198	02800	DNA 1/10	BONE MARROW	32.06			POSITIVE	NT
115	CASE 198	02800	TISSUE	KIDNEY	24.7			POSITIVE	NEG
116	CASE 198	02800	DNA	KIDNEY	26.13			POSITIVE	NT
117	CASE 199	02942 wb nº 1	TISSUE	MUSCLE	25.41			POSITIVE	NEG
118	CASE 199	02942 wb nº 1	HOMOGENATE	MUSCLE	26.56			POSITIVE	NT
119	CASE 199	02942 wb nº 1	DNA	MUSCLE	25.32			POSITIVE	NT
120	CASE 199	02942 wb nº 2	TISSUE	KIDNEY	28.56			POSITIVE	POSITIVE
121	CASE 199	02942 wb nº 2	HOMOGENATE	KIDNEY	23.09			POSITIVE	NT
122	CASE 199	02942 wb nº 2	DNA	KIDNEY	27.98			POSITIVE	NT
123	CASE 199	02942 wb nº 3	TISSUE	SPLEEN	28.26			POSITIVE	POSITIVE
124	CASE 199	02942 wb nº 3	HOMOGENATE	SPLEEN	27.84			POSITIVE	NT
125	CASE 199	02942 wb nº 3	DNA	SPLEEN	26.4			POSITIVE	NT
126	CASE 199	02942 wb nº 4	TISSUE	LYMPH NODE	27.73			POSITIVE	POSITIVE
127	CASE 199	02942 wb nº 4	HOMOGENATE	LYMPH NODE	22.31			POSITIVE	NT
128	CASE 199	02942 wb nº 4	DNA	LYMPH NODE	22.55			POSITIVE	NT
129	CASE 199	02942 wb nº 5	TISSUE	LUNG	27.83			POSITIVE	NEG
130	CASE 199	02942 wb nº 5	HOMOGENATE	LUNG	26.19			POSITIVE	NT
131	CASE 199	02942 wb nº 5	DNA	LUNG	26.81			POSITIVE	NT
132	CASE 200	03025	TISSUE	SPLEEN	23.09			POSITIVE	NEG
133	CASE 200	03025	DNA	SPLEEN	19.64			POSITIVE	NT
134	CASE 200	03025	TISSUE	LYMPH NODE	21.79			POSITIVE	NT
135	CASE 200	03025	DNA	LYMPH NODE	19.38			POSITIVE	NT
136	CASE 200	03026	TISSUE	SPLEEN	20.72			POSITIVE	NEG
137	CASE 200	03026	DNA	SPLEEN	19.65			POSITIVE	NT
138	CASE 200	03026	TISSUE	LYMPH NODE	22.27			POSITIVE	NT



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					CT value	2 nd PCR CT values	3 rd PCR CT values	Result	
139	CASE 200	03026	DNA	LYMPH NODE	20.22			POSITIVE	NT
140	CASE 201	03027	TISSUE	SPLEEN	25.86			POSITIVE	NEG
141	CASE 201	03027	DNA	SPLEEN	19.86			POSITIVE	NT
142	CASE 201	03028	TISSUE	SPLEEN	23.77			POSITIVE	NEG
143	CASE 201	03028	DNA	SPLEEN	19.22			POSITIVE	NT
144	CASE 201	03028	TISSUE	KIDNEY	23.49			POSITIVE	NT
145	CASE 201	03028	DNA	KIDNEY	23.26			POSITIVE	NT
146	CASE 201	03029	TISSUE	SPLEEN	21.61			POSITIVE	POSITIVE
147	CASE 201	03029	DNA	SPLEEN	19.02			POSITIVE	NT
148	CASE 201	03029	TISSUE	KIDNEY	30.66			POSITIVE	NT
149	CASE 201	03029	DNA	KIDNEY	23.76			POSITIVE	NT
150	CASE 201	03030	TISSUE	SPLEEN	20.79			POSITIVE	NEG
151	CASE 201	03030	DNA	SPLEEN	19.12			POSITIVE	NT
152	CASE 201	03030	TISSUE	KIDNEY	25.18			POSITIVE	NT
153	CASE 201	03030	DNA	KIDNEY	23.27			POSITIVE	NT
154	CASE 201	03031	TISSUE	BONE MARROW	25.6			POSITIVE	NEG
155	CASE 201	03031	DNA	BONE MARROW	22.6			POSITIVE	NT
156	CASE 201	03031	DNA 1/10	BONE MARROW	25.73			POSITIVE	NT
157	CASE 201	03032	TISSUE	BONE MARROW	32.92			POSITIVE	NEG
158	CASE 201	03032	DNA	BONE MARROW	30.58			POSITIVE	NT
159	CASE 201	03032	DNA 1/10	BONE MARROW	37.65	34.66	34.07	POSITIVE	NT
160	CASE 202	03203	TISSUE	SPLEEN	37.78	No Ct	37.15	WEAK	NEG
161	CASE 202	03203	DNA	SPLEEN	29.05			POSITIVE	NT
162	CASE 203	03485	BLOOD	SERUM	No ct			NEGATIVE	NT
163	CASE 204	03684	TISSUE	BONE MARROW	33.09			POSITIVE	NEG
164	CASE 204	03684	HOMOGENATE	BONE MARROW	27.1			POSITIVE	NT
165	CASE 204	03684	DNA	BONE MARROW	22.14			POSITIVE	NT
166	CASE 204	03684	DNA 1/10	BONE MARROW	25.65			POSITIVE	NT
167	CASE 205	03739	TISSUE	BONE MARROW	27.39			POSITIVE	NEG
168	CASE 205	03739	HOMOGENATE	BONE MARROW	26.79			POSITIVE	NT
169	CASE 205	03739	DNA	BONE MARROW	28.57			POSITIVE	NT
170	CASE 205	03739	DNA 1/10	BONE MARROW	33.48			POSITIVE	NT
171	CASE 206	03738 wb nº 5	BLOOD	SERUM	33.64 ¹			POSITIVE	NT
172	CASE 207	04078	TISSUE	BONE MARROW	23.68			POSITIVE	NEG
173	CASE 207	04078	HOMOGENATE	BONE MARROW	21.29			POSITIVE	NT
174	CASE 207	04078	DNA	BONE MARROW	23.72			POSITIVE	NT
175	CASE 207	04078	DNA 1/10	BONE MARROW	29.03			POSITIVE	NT
176	CASE 208	04082 wb nº 2	BLOOD	SERUM	32.75 ¹			POSITIVE	NT
177	CASE 209	04360 wb nº 1	TISSUE	BONE MARROW	28.43			POSITIVE	NEG
178	CASE 209	04360 wb nº 1	HOMOGENATE	BONE MARROW	25.2			POSITIVE	NT
179	CASE 209	04360 wb nº 1	DNA	BONE MARROW	31.79			POSITIVE	NT
180	CASE 209	04360 wb nº 1	DNA 1/10	BONE MARROW	27.22			POSITIVE	NT
181	CASE 209	04360 wb nº 2	TISSUE	BONE MARROW	26.42			POSITIVE	NEG
182	CASE 209	04360 wb nº 2	HOMOGENATE	BONE MARROW	23.07			POSITIVE	NT
183	CASE 209	04360 wb nº 2	DNA	BONE MARROW	No ct			NEGATIVE	NT
184	CASE 209	04360 wb nº 2	DNA 1/10	BONE MARROW	30.93			POSITIVE	NT
185	CASE 209	04360 wb nº 3	TISSUE	BONE MARROW	27.25			POSITIVE	NEG
186	CASE 209	04360 wb nº 3	HOMOGENATE	BONE MARROW	25.31			POSITIVE	NT
187	CASE 209	04360 wb nº 3	DNA	BONE MARROW	27.73			POSITIVE	NT
188	CASE 209	04360 wb nº 3	DNA 1/10	BONE MARROW	32.05			POSITIVE	NT
189	CASE 210	04461	TISSUE	SPLEEN	19.6			POSITIVE	POSITIVE
190	CASE 210	04461	DNA	SPLEEN	18.12			POSITIVE	NT
191	CASE 210	04461	TISSUE	KIDNEY	22.63			POSITIVE	NT



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					CT value	2 nd PCR CT values	3 rd PCR CT values		Result
192	CASE 210	04461	DNA	KIDNEY	22.67			POSITIVE	NT
193	CASE 211	04463	TISSUE	SPLEEN	20.18			POSITIVE	POSITIVE
194	CASE 211	04463	DNA	SPLEEN	18.91			POSITIVE	NT
195	CASE 211	04463	TISSUE	KIDNEY	26.01			POSITIVE	NT
196	CASE 211	04463	DNA	KIDNEY	25.13			POSITIVE	NT
197	CASE 212	04703	TISSUE	BONE MARROW	23.04			POSITIVE	POSITIVE
198	CASE 212	04703	HOMOGENATE	BONE MARROW	20.08			POSITIVE	NT
199	CASE 212	04703	DNA	BONE MARROW	22.32			POSITIVE	NT
200	CASE 212	04703	DNA 1/10	BONE MARROW	26.08			POSITIVE	NT
201	CASE 213	04955	TISSUE	BONE MARROW	22.7			POSITIVE	NEG
202	CASE 213	04955	HOMOGENATE	BONE MARROW	19.22			POSITIVE	NT
203	CASE 213	04955	DNA	BONE MARROW	20.62			POSITIVE	NT
204	CASE 213	04955	DNA 1/10	BONE MARROW	23.75			POSITIVE	NT
205	CASE 214	5189	BLOOD	BLOOD	29.95			POSITIVE	NT
206	CASE 214	5189	DNA	BLOOD	28.77			POSITIVE	NT
207	CASE 216	05447	TISSUE	BONE MARROW	28.09			POSITIVE	NEG
208	CASE 216	05447	DNA	BONE MARROW	19.99			POSITIVE	NT
209	CASE 216	05447	DNA 1/10	BONE MARROW	22.8			POSITIVE	NT
210	CASE 217	05449	TISSUE	BONE MARROW	27.37			POSITIVE	NEG
211	CASE 217	05449	DNA	BONE MARROW	21.04			POSITIVE	NT
212	CASE 217	05449	DNA 1/10	BONE MARROW	23.46			POSITIVE	NT
213	CASE 215	05450	TISSUE	BONE MARROW	32.06			POSITIVE	NEG
214	CASE 215	05450	DNA	BONE MARROW	27.17			POSITIVE	NT
215	CASE 215	05450	DNA 1/10	BONE MARROW	33.59			POSITIVE	NT
216	CASE 218	05675 wb nº 7	BLOOD	SERUM	No ct			NEGATIVE	NT
217	CASE 219	05680	TISSUE	BONE MARROW	30.69			POSITIVE	POSITIVE
218	CASE 219	05680	DNA	BONE MARROW	29.59			POSITIVE	NT
219	CASE 219	05680	DNA 1/10	BONE MARROW	35.07	34.64	33.57	WEAK	NT
220	CASE 219	05681	TISSUE	SPLEEN	24.98			POSITIVE	NEG
221	CASE 219	05681	DNA	SPLEEN	20.67			POSITIVE	NT
222	CASE 220	05837 wb nº 1	TISSUE	BONE MARROW	33.75			POSITIVE	NEG
223	CASE 220	05837 wb nº 1	HOMOGENATE	BONE MARROW	29.29			NEGATIVE	NT
224	CASE 220	05837 wb nº 1	DNA	BONE MARROW	22.55			POSITIVE	NT
225	CASE 220	05837 wb nº 1	DNA 1/10	BONE MARROW	28.52			POSITIVE	NT
226	CASE 220	05837 wb nº 2	TISSUE	BONE MARROW	26.53			POSITIVE	NEG
227	CASE 220	05837 wb nº 2	HOMOGENATE	BONE MARROW	18.99			POSITIVE	NT
228	CASE 220	05837 wb nº 2	DNA	BONE MARROW	20.84			POSITIVE	NT
229	CASE 220	05837 wb nº 2	DNA 1/10	BONE MARROW	23.68			POSITIVE	NT
231	CASE 220	05837 wb nº 3	HOMOGENATE	BONE MARROW	17.5			POSITIVE	NEG
232	CASE 220	05837 wb nº 3	DNA	BONE MARROW	21.11			POSITIVE	NT
233	CASE 220	05837 wb nº 3	DNA 1/10	BONE MARROW	25			POSITIVE	NT
234	CASE 221	05837 wb nº 4	TISSUE	BONE MARROW	25.83			POSITIVE	NEG
235	CASE 221	05837 wb nº 4	HOMOGENATE	BONE MARROW	18.45			POSITIVE	NT
236	CASE 221	05837 wb nº 4	DNA	BONE MARROW	19.91			POSITIVE	NT
237	CASE 221	05837 wb nº 4	DNA 1/10	BONE MARROW	25.28			POSITIVE	NT
238	CASE 221	05837 wb nº 5	TISSUE	BONE MARROW	24.18			POSITIVE	NEG
239	CASE 221	05837 wb nº 5	HOMOGENATE	BONE MARROW	21.4			POSITIVE	NT
240	CASE 221	05837 wb nº 5	DNA	BONE MARROW	22.64			POSITIVE	NT
241	CASE 221	05837 wb nº 5	DNA 1/10	BONE MARROW	25.08			POSITIVE	NT
242	CASE 221	05837 wb nº 6	TISSUE	BONE MARROW	31.74			POSITIVE	NEG
243	CASE 221	05837 wb nº 6	HOMOGENATE	BONE MARROW	27.82			POSITIVE	NT
244	CASE 221	05837 wb nº 6	DNA	BONE MARROW	29.83			POSITIVE	NT
245	CASE 221	05837 wb nº 6	DNA 1/10	BONE MARROW	27.64			POSITIVE	NT



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					CT value	2 nd PCR CT values	3 rd PCR CT values		
246	CASE 220	05838	TISSUE	SPLEEN	18.64			POSITIVE	NEG
247	CASE 220	05838	DNA	SPLEEN	16.92			POSITIVE	NT
248	CASE 220	05838	TISSUE	LYMPH NODE	22			POSITIVE	NT
249	CASE 220	05838	DNA	LYMPH NODE	18.33			POSITIVE	NT
250	CASE 220	05839	TISSUE	SPLEEN	25.97			POSITIVE	NEG
251	CASE 220	05839	DNA	SPLEEN	16.69			POSITIVE	NT
252	CASE 220	05839	TISSUE	LYMPH NODE	20.73			POSITIVE	NT
253	CASE 220	05839	DNA	LYMPH NODE	19.48			POSITIVE	NT
254	CASE 220	05840	TISSUE	SPLEEN	32.58			POSITIVE	NEG
255	CASE 220	05840	DNA	SPLEEN	19.07			POSITIVE	NT
256	CASE 220	05840	TISSUE	LYMPH NODE	22.39			POSITIVE	NT
257	CASE 220	05840	DNA	LYMPH NODE	23.74			POSITIVE	NT
258	CASE 220	05840	TISSUE	KIDNEY	34.77			POSITIVE	NT
259	CASE 220	05840	DNA	KIDNEY	22.31			POSITIVE	NT
260	CASE 220	05841	TISSUE	SPLEEN	26.56			POSITIVE	NEG
261	CASE 220	05841	DNA	SPLEEN	18.7			POSITIVE	NT
262	CASE 220	05841	TISSUE	LYMPH NODE	22.62			POSITIVE	NT
263	CASE 220	05841	DNA	LYMPH NODE	25.11			POSITIVE	NT
264	CASE 220	05842	TISSUE	SPLEEN	24.86			POSITIVE	NEG
265	CASE 220	05842	DNA	SPLEEN	16.88			POSITIVE	NT
266	CASE 220	05842	TISSUE	LYMPH NODE	27.56			POSITIVE	NT
267	CASE 220	05842	DNA	LYMPH NODE	18.07			POSITIVE	NT
268	CASE 220	05843	TISSUE	SPLEEN	30.63			POSITIVE	NEG
269	CASE 220	05843	DNA	SPLEEN	21.07			POSITIVE	NT
270	CASE 220	05843	TISSUE	LYMPH NODE	32.33			POSITIVE	NT
271	CASE 220	05843	DNA	LYMPH NODE	25.62			POSITIVE	NT
272	CASE 220	05951	TISSUE	SPLEEN	27.7			POSITIVE	NEG
273	CASE 220	05951	DNA	SPLEEN	20.3			POSITIVE	NT
274	CASE 220	05951	TISSUE	LYMPH NODE	25.33			POSITIVE	NT
275	CASE 220	05951	DNA	LYMPH NODE	20.8			POSITIVE	NT
276	CASE 222	06171	TISSUE	LYMPH NODE	26.37			POSITIVE	NEG
277	CASE 222	06171	DNA	LYMPH NODE	18.81			POSITIVE	NT
278	CASE 222	06171	TISSUE	KIDNEY	23.23			POSITIVE	NT
279	CASE 222	06171	DNA	KIDNEY	23.25			POSITIVE	NT
280	CASE 223	06422	TISSUE	SPLEEN	24.06			POSITIVE	POSITIVE
281	CASE 223	06422	DNA	SPLEEN	22.47			POSITIVE	NT
282	CASE 223	06422	TISSUE	KIDNEY	28.26			POSITIVE	NT
283	CASE 223	06422	DNA	KIDNEY	26.08			POSITIVE	NT
284	CASE 224	06448	TISSUE	SPLEEN	19.39			POSITIVE	NEG
285	CASE 224	06448	DNA	SPLEEN	17.79			POSITIVE	NT
286	CASE 224	06448	TISSUE	LYMPH NODE	22.75			POSITIVE	NT
287	CASE 224	06448	DNA	LYMPH NODE	17.5			POSITIVE	NT
288	CASE 225	06457 wb nº 1	TISSUE	BONE MARROW	32.06			POSITIVE	NEG
289	CASE 225	06457 wb nº 1	DNA	BONE MARROW	29.78			POSITIVE	NT
290	CASE 225	06457 wb nº 1	DNA 1/10	BONE MARROW	35.91	35.74	34.85	WEAK	NT
291	CASE 226	06457 wb nº 2	TISSUE	BONE MARROW	30.3			POSITIVE	NEG
292	CASE 226	06457 wb nº 2	HOMOGENATE	BONE MARROW	22.26			POSITIVE	NT
293	CASE 226	06457 wb nº 2	DNA	BONE MARROW	21.89			POSITIVE	NT
294	CASE 226	06457 wb nº 2	DNA 1/10	BONE MARROW	28.71			POSITIVE	NT
295	CASE 227	06959	TISSUE	LYMPH NODE	24.7			POSITIVE	NEG
296	CASE 227	06959	DNA	LYMPH NODE	19.17			POSITIVE	NT
297	CASE 227	06959	TISSUE	KIDNEY	25.51			POSITIVE	NEG
298	CASE 227	06959	DNA	KIDNEY	22.93			POSITIVE	NT



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Sample ID CISA	Sample laboratory code in Poland's NRL		TYPE SAMPLE RECEIVED		UPL-real time PCR ^(a)			VI-HAD ^{(b)*} (3 passages)	
					CT value	2 nd PCR CT values	3 rd PCR CT values		Result
299	CASE 227	06961	TISSUE	SPLEEN	24.84			POSITIVE	NT
300	CASE 227	06961	DNA	SPLEEN	21.24			POSITIVE	NT
301	CASE 227	06961	TISSUE	LYMPH NODE	23.95			POSITIVE	NT
302	CASE 227	06961	DNA	LYMPH NODE	21.27			POSITIVE	NT
303	CASE 228	07331	TISSUE	BONE MARROW	25.91			POSITIVE	NEG
304	CASE 228	07331	DNA	BONE MARROW	25.14			POSITIVE	NT
305	CASE 228	07331	DNA 1/10	BONE MARROW	27.97			POSITIVE	NT
306	CASE 228	07332	TISSUE	BONE MARROW	29.52			POSITIVE	NEG
307	CASE 228	07332	DNA	BONE MARROW	28.65			POSITIVE	NT
308	CASE 228	07332	DNA 1/10	BONE MARROW	26.57			POSITIVE	NT
309	CASE 229	07333	TISSUE	SPLEEN	19.06			POSITIVE	POSITIVE
310	CASE 229	07333	DNA	SPLEEN	18.46			POSITIVE	NT
311	CASE 229	07333	TISSUE	KIDNEY	23.14			POSITIVE	NT
312	CASE 229	07333	DNA	KIDNEY	22.61			POSITIVE	NT
313	CASE 230	07370 wb nº 1	BLOOD	SERUM	22.9 ¹			POSITIVE	NT
314	CASE 230	07370 wb nº 2	BLOOD	CLOTTED	24.25			POSITIVE	NT
315	CASE 230	07370 wb nº 2	DNA	CLOTTED	20.84			POSITIVE	NT
316	CASE 230	07370 wb nº 4	BLOOD	SERUM	21.71			POSITIVE	NT
317	CASE 230	07370 wb nº 4	DNA	BLOOD	17.81			POSITIVE	NT
318	CASE 231	07408 wb nº 1	BLOOD	SERUM	24.73 ¹			POSITIVE	NT
319	CASE 231	07408 wb nº 1	DNA	SERUM	20.92			POSITIVE	NT
320	CASE 232	07668	TISSUE	SPLEEN	18.89			POSITIVE	POSITIVE
321	CASE 232	07668	DNA	SPLEEN	18.58			POSITIVE	NT
322	CASE 232	07668	TISSUE	KIDNEY	24.17			POSITIVE	NT
323	CASE 232	07668	DNA	KIDNEY	21.53			POSITIVE	NT
324	CASE 233	07674 wb nº 1	TISSUE	BONE MARROW	27.53			POSITIVE	NEG
325	CASE 233	07674 wb nº 1	DNA	BONE MARROW	24.88			POSITIVE	NT
326	CASE 233	07674 wb nº 1	DNA 1/10	BONE MARROW	27.7			POSITIVE	NT
327	CASE 233	07674 wb nº 2	TISSUE	BONE MARROW	33.7			POSITIVE	NEG
328	CASE 233	07674 wb nº 2	HOMOGENATE	BONE MARROW	26.16			POSITIVE	NT
329	CASE 233	07674 wb nº 2	DNA	BONE MARROW	28.41			POSITIVE	NT
330	CASE 233	07674 wb nº 2	DNA 1/10	BONE MARROW	31.9			POSITIVE	NT
331	CASE 235	07961	TISSUE	SPLEEN	21.61			POSITIVE	POSITIVE
332	CASE 235	07961	DNA	SPLEEN	21.02			POSITIVE	NT
333	CASE 235	07961	TISSUE	KIDNEY	30.49			POSITIVE	NT
334	CASE 235	07961	DNA	KIDNEY	26.28			POSITIVE	NT
335	CASE 234	07863	TISSUE	SPLEEN	23.32			POSITIVE	NEG
336	CASE 234	07863	DNA	SPLEEN	19.19			POSITIVE	NT
337	CASE 234	07863	TISSUE	KIDNEY	28.67			POSITIVE	NT
338	CASE 234	07863	DNA	KIDNEY	25.74			POSITIVE	NT
339	CASE 236	07852	TISSUE	SPLEEN	30.5			POSITIVE	NEG
340	CASE 236	07852	HOMOGENATE	SPLEEN	27.9			POSITIVE	NT
341	CASE 236	07852	DNA	SPLEEN	28.64			POSITIVE	NT
342	CASE 238	08132 wb nº 3	BLOOD	SERUM	16.16			POSITIVE	NT
343	CASE 238	08132 wb nº 3	DNA	SERUM	16.95			POSITIVE	NT
344	CASE 239	08132 wb nº 4	BLOOD	SERUM	23.89			POSITIVE	NT
345	CASE 239	08132 wb nº 4	DNA	SERUM	20.14			POSITIVE	NT
346	CASE 237	08132 wb nº 5	BLOOD	SERUM	26.42 ¹			POSITIVE	NT
347	CASE 237	08132 wb nº 5	DNA	SERUM	25.07			POSITIVE	NT
348	CASE 237	08133 wb nº 1	TISSUE	BONE MARROW	32.04			POSITIVE	NEG
349	CASE 237	08133 wb nº 1	DNA	BONE MARROW	25.52			POSITIVE	NT
350	CASE 237	08133 wb nº 1	DNA 1/10	BONE MARROW	28.12			POSITIVE	NT
351	CASE 237	08133 wb nº 2	TISSUE	BONE MARROW	27.22			POSITIVE	NEG



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Sample ID CISA	Sample laboratory code in Poland's NRL		TYPE SAMPLE RECEIVED		UPL-real time PCR ^(a)				VI-HAD ^{(b)*} (3 passages)
					CT value	2 nd PCR CT values	3 rd PCR CT values	Result	
352	CASE 237	08133 wb nº 2	DNA	BONE MARROW	20.43			POSITIVE	NT
353	CASE 237	08133 wb nº 2	DNA 1/10	BONE MARROW	25.27			POSITIVE	NT
354	CASE 240	08136	TISSUE	BONE MARROW	25.02			POSITIVE	NEG
355	CASE 240	08136	DNA	BONE MARROW	27.52			POSITIVE	NT
356	CASE 240	08136	DNA 1/10	BONE MARROW	30.92			POSITIVE	NT
357	CASE 241	08137	TISSUE	BONE MARROW	22.4			POSITIVE	NEG
358	CASE 241	08137	DNA	BONE MARROW	20.53			POSITIVE	NT
359	CASE 241	08137	DNA 1/10	BONE MARROW	24.4			POSITIVE	NT
360	CASE 242	08138	BLOOD	SERUM	33.82			POSITIVE	NT
361	CASE 243	08458	TISSUE	BONE MARROW	35.92	36.03	36.22	WEAK	NEG
362	CASE 243	08458	DNA	BONE MARROW	27.46			POSITIVE	NT
363	CASE 243	08458	DNA 1/10	BONE MARROW	28.77			POSITIVE	NT
364	CASE 244	08663	TISSUE	BONE MARROW	27.01			POSITIVE	NEG
365	CASE 244	08663	HOMOGENATE	BONE MARROW	27.08			POSITIVE	NT
366	CASE 244	08663	DNA	BONE MARROW	30.7			POSITIVE	NT
367	CASE 244	08663	DNA 1/10	BONE MARROW	29.94			POSITIVE	NT
368	CASE 245	08699	TISSUE	SPLEEN	20.05			POSITIVE	NEG
369	CASE 245	08699	DNA	SPLEEN	19.88			POSITIVE	NT
370	CASE 245	08699	TISSUE	LYMPH NODE	22.91			POSITIVE	NT
371	CASE 245	08699	DNA	LYMPH NODE	20.82			POSITIVE	NT
372	CASE 246	09017	TISSUE	SPLEEN	27.01			POSITIVE	NEG
373	CASE 246	09017	DNA	SPLEEN	18.41			POSITIVE	NT
374	CASE 246	09017	TISSUE	LYMPH NODE	22.08			POSITIVE	NT
375	CASE 246	09017	DNA	LYMPH NODE	19.27			POSITIVE	NT
376	CASE 247	09232 wb nº 2	HOMOGENATE	BONE MARROW	21.04			POSITIVE	NEG
377	CASE 247	09232 wb nº 2	DNA	BONE MARROW	24.58			POSITIVE	NT
378	CASE 247	09232 wb nº 2	DNA 1/10	BONE MARROW	28.33			POSITIVE	NT
379	CASE 248	09320	TISSUE	LYMPH NODE	30.73			POSITIVE	NEG
380	CASE 248	09320	DNA	LYMPH NODE	26.65			POSITIVE	NT
381	CASE 249	10093	TISSUE	SPLEEN	21.64			POSITIVE	NEG
382	CASE 249	10093	DNA	SPLEEN	21.32			POSITIVE	NT
383	CASE 249	10093	TISSUE	LYMPH NODE	25.66			POSITIVE	NT
384	CASE 249	10093	DNA	LYMPH NODE	21.04			POSITIVE	NT
385	CASE 251	10255	TISSUE	BONE MARROW	32.87			POSITIVE	NEG
386	CASE 251	10255	HOMOGENATE	BONE MARROW	29.48			POSITIVE	NT
387	CASE 251	10255	DNA	BONE MARROW	28.59			POSITIVE	NT
388	CASE 251	10255	DNA 1/10	BONE MARROW	32.12			POSITIVE	NT
389	CASE 250	10258	TISSUE	BONE MARROW	36.09	37.16	35.15	WEAK	NEG
390	CASE 250	10258	HOMOGENATE	BONE MARROW	34.36			POSITIVE	NT
391	CASE 250	10258	DNA	BONE MARROW	22.73			POSITIVE	NT
392	CASE 250	10258	DNA 1/10	BONE MARROW	25.92			POSITIVE	NT
393	CASE 250	10257 wb nº 1	BLOOD	SERUM	19.06			POSITIVE	NT
394	CASE 250	10257 wb nº 1	DNA	BLOOD	17.99			POSITIVE	NT
395	CASE 250	10257 wb nº 2	BLOOD	SERUM	23.65			POSITIVE	NT
396	CASE 250	10257 wb nº 4	BLOOD	SERUM	21.97 ¹			POSITIVE	NT
397	CASE 250	10257 wb nº 4	DNA	BLOOD	18.95			POSITIVE	NT

NT → Samples not tested. 1 → Result in 1/10 dilution. WEAK = Ct ≥ 35

(a) UPL-real time PCR → Real time PCR test described by Fernández-Pinero 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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2. ASF ANTIBODY DETECTION:

By IPT*, the presence of antibodies was detected in **67 out of the 113 (59.29%)** wild boar tested. A positive result was obtained in 72 out of the 120 tissue's exudates/homogenates, 2 out of 5 bloods and in 18 out of 21 sera analyzed (**table 3**).

Sample ID CISA	Table 3 → Antibody detection results by IPT*						CONCLUSION*
	Sample laboratory code		Sample Type		URL-IPT ^(a)		
	ID tube				Titer	Result	
1	00005/17	CASE 165	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
5	00006/17	CASE 164	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
9	00016/17	CASE 166	BLOOD	SERUM	NEG	NEG	NEGATIVE
11	00017/17	CASE 167	BLOOD	SERUM	1/81920	POS	POSITIVE
12	00117/17	CASE 168	TISSUE	SPLEEN	1/40960	POS	POSITIVE
14	00117/17	CASE 168	TISSUE	LYMPH NODE	1/40960	POS	POSITIVE
16	00451/17	CASE 169	TISSUE	SPLEEN	1/40960	POS	POSITIVE
18	00451/17	CASE 169	TISSUE	KIDNEY	1/40960	POS	POSITIVE
20	00389-15/17	CASE 170	BLOOD	SERUM	1/40960	POS	POSITIVE
21	00685-1/17	CASE 171	TISSUE	BONE MARROW	1/10	WEAK ¹	WEAK
24	00685-2/17	CASE 171	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
27	00685-3/17	CASE 171	TISSUE	BONE MARROW	1/40	WEAK	WEAK
30	00685-4/17	CASE 171	TISSUE	BONE MARROW	1/80	POS	POSITIVE
33	00722/17	CASE 171	TISSUE	SPLEEN	1/320	POS	POSITIVE
37	00750/17	CASE 172	TISSUE	SPLEEN	NEG	NEG	NEGATIVE
39	00750/17	CASE 172	TISSUE	KIDNEY	NEG	NEG	NEGATIVE
41	00729/17	CASE 173	TISSUE	SPLEEN	1/20480	POS	POSITIVE
43	00729/17	CASE 173	TISSUE	TONSIL	1/81920	POS	POSITIVE
45	00758/17	CASE 174	TISSUE	SPLEEN	NEG	NEG	NEGATIVE
47	00758/17	CASE 174	TISSUE	KIDNEY	NEG	NEG	NEGATIVE
49	01071/17	CASE 175	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
52	01114/17	CASE 176	TISSUE	SPLEEN	NEG	NEG	NEGATIVE
54	01114/17	CASE 176	TISSUE	LYMPH NODE	1/5120	POS	POSITIVE
56	01249/17	CASE 177	BLOOD	SERUM	1/10240	POS	POSITIVE
57	01386-3/17	CASE 180	BLOOD	SERUM	1/163840	POS	POSITIVE
58	01386-19/17	CASE 181	BLOOD	SERUM	1/40960	POS	POSITIVE
59	01336/17	CASE 178	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
62	01408/17	CASE 179	BLOOD	BLOOD	NEG	NEG	NEGATIVE
64	01443/17	CASE 182	BLOOD	SERUM	1/81920	POS	POSITIVE
65	01660/17	CASE 186	TISSUE	BONE MARROW	1/160	POS	POSITIVE
68	01713/17	CASE 183	BLOOD	BLOOD	1/40	WEAK	WEAK
74	01806/17	CASE 185	BLOOD	BLOOD	NEG	NEG	NEGATIVE
76	01913/17	CASE 187	TISSUE	SPLEEN	NEG	NEG	NEGATIVE
80	02029-1/17	CASE 188	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
83	02029-2/17	CASE 189	TISSUE	BONE MARROW	1/10	WEAK	WEAK
86	02029-3/17	CASE 190	TISSUE	BONE MARROW	1/320	POS	POSITIVE
89	02053/17	CASE 191	BLOOD	BLOOD	1/40	WEAK	WEAK
91	02109/17	CASE 194	HOMOGENATE	SPLEEN	1/640	POS	POSITIVE
93	02110/17	CASE 192	HOMOGENATE	SPLEEN	1/640	POS	POSITIVE
95	02111/17	CASE 193	HOMOGENATE	SPLEEN	1/320	POS	POSITIVE
97	02113/17	CASE 195	TISSUE	SPLEEN	ND	POS	POSITIVE
99	02113/17	CASE 195	TISSUE	KIDNEY	1/163840	POS	POSITIVE
101	02544/17	CASE 196	TISSUE	BONE MARROW	1/40	WEAK	WEAK



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Sample ID CISA	Sample laboratory code			URL-IPT ^(a)		CONCLUSION*
	ID tube	Sample Type	Titer	Result		
104	02544/17	CASE 196	TISSUE LUNG	ND	POS	POSITIVE
106	02544/17	CASE 196	TISSUE LIVER	1/5120	POS	POSITIVE
108	02605/17	CASE 197	TISSUE BONE MARROW	NEG	NEG	NEGATIVE
112	02800/17	CASE 198	TISSUE BONE MARROW	1/20	WEAK	WEAK
118	02942-1/17	CASE 199	HOMOGENATE MUSCLE	1/640	POS	POSITIVE
121	02942-2/17	CASE 199	HOMOGENATE KIDNEY	1/20	WEAK	WEAK
123	02942-3/17	CASE 199	TISSUE SPLEEN	1/5120	POS	POSITIVE
127	02942-4/17	CASE 199	HOMOGENATE LYMPH NODE	1/1280	POS	POSITIVE
129	02942-5/17	CASE 199	TISSUE LUNG	1/1280	POS	POSITIVE
132	03025/17	CASE 200	TISSUE SPLEEN	NEG	NEG	NEGATIVE
134	03025/17	CASE 200	TISSUE LYMPH NODE	ND	POS	POSITIVE
138	03026/17	CASE 200	TISSUE LYMPH NODE	1/1280	POS	POSITIVE
140	03027/17	CASE 201	TISSUE SPLEEN	ND	POS	POSITIVE
142	03028/17	CASE 201	TISSUE SPLEEN	1/5120	POS	POSITIVE
146	03029/17	CASE 201	TISSUE SPLEEN	NEG	NEG	NEGATIVE
150	03030/17	CASE 201	TISSUE SPLEEN	1/1280	POS	POSITIVE
152	03030/17	CASE 201	TISSUE KIDNEY	1/1280	POS	POSITIVE
154	03031/17	CASE 201	TISSUE BONE MARROW	1/20	WEAK	WEAK
157	03032/17	CASE 201	TISSUE BONE MARROW	NEG	NEG	NEGATIVE
160	03203/17	CASE 202	TISSUE SPLEEN	1/40	WEAK	WEAK
162	03485/17	CASE 203	BLOOD SERUM	1/81920	POS	POSITIVE
163	03684/17	CASE 204	TISSUE BONE MARROW	1/40	WEAK	WEAK
167	03739/17	CASE 205	TISSUE BONE MARROW	NEG	NEG	NEGATIVE
171	03738-5/17	CASE 206	BLOOD SERUM	1/327680	POS	POSITIVE
172	04078/17	CASE 207	TISSUE BONE MARROW	NEG	NEG	NEGATIVE
176	04082-2/17	CASE 208	BLOOD SERUM	1/81920	POS	POSITIVE
177	04360-1/17	CASE 209	TISSUE BONE MARROW	NEG	NEG	NEGATIVE
181	04360-2/17	CASE 209	TISSUE BONE MARROW	NEG	NEG	NEGATIVE
185	04360-3/17	CASE 209	TISSUE BONE MARROW	1/10	WEAK	WEAK
189	04461/17	CASE 210	TISSUE SPLEEN	1/1280	POS	POSITIVE
191	04461/17	CASE 210	TISSUE KIDNEY	1/160	POS	POSITIVE
193	04463/17	CASE 211	TISSUE SPLEEN	1/640	POS	POSITIVE
195	04463/17	CASE 211	TISSUE KIDNEY	1/320	POS	POSITIVE
197	04703/17	CASE 212	TISSUE BONE MARROW	NEG	NEG	NEGATIVE
201	04955/17	CASE 213	TISSUE BONE MARROW	1/40	WEAK	WEAK
205	05189/17	CASE 214	BLOOD BLOOD	NEG	NEG	NEGATIVE
207	05447/17	CASE 216	TISSUE BONE MARROW	1/40	WEAK	WEAK
210	05449/17	CASE 217	TISSUE BONE MARROW	NEG	NEG	NEGATIVE
213	05450/17	CASE 215	TISSUE BONE MARROW	NEG	NEG	NEGATIVE
216	05675-7/17	CASE 218	BLOOD SERUM	1/81920	POS	POSITIVE
217	05680/17	CASE 219	TISSUE BONE MARROW	1/10	WEAK	WEAK
220	05681/17	CASE 219	TISSUE SPLEEN	ND	POS	POSITIVE
222	05837-1/17	CASE 220	TISSUE BONE MARROW	1/5	WEAK	WEAK
226	05837-2/17	CASE 220	TISSUE BONE MARROW	1/5	WEAK	WEAK
231	05837-3/18	CASE 220	HOMOGENATE BONE MARROW	1/320	POS	POSITIVE
234	05837-4/18	CASE 221	TISSUE BONE MARROW	NEG	NEG	NEGATIVE
238	05837-5/19	CASE 221	TISSUE BONE MARROW	NEG	NEG	NEGATIVE
242	05837-6/19	CASE 221	TISSUE BONE MARROW	NEG	NEG	NEGATIVE
248	05838/17	CASE 220	TISSUE LYMPH NODE	1/5120	POS	POSITIVE
250	05839/17	CASE 220	TISSUE SPLEEN	1/2560	POS	POSITIVE
252	05839/17	CASE 220	TISSUE LYMPH NODE	1/1280	POS	POSITIVE
256	05840/17	CASE 220	TISSUE LYMPH NODE	NEG	NEG	NEGATIVE
262	05841/17	CASE 220	TISSUE LYMPH NODE	NEG	NEG	NEGATIVE
264	05842/17	CASE 220	TISSUE SPLEEN	NEG	NEG	NEGATIVE



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Sample ID CISA	Sample laboratory code				URL-IPT ^(a)		CONCLUSION*
	ID tube		Sample Type	Titer	Result		
268	05843/17	CASE 220	TISSUE	SPLEEN	NEG	NEG	NEGATIVE
270	05843/17	CASE 220	TISSUE	LYMPH NODE	1/5	WEAK	WEAK
272	05951/17	CASE 220	TISSUE	SPLEEN	1/640	POS	POSITIVE
274	05951/17	CASE 220	TISSUE	LYMPH NODE	1/1280	POS	POSITIVE
278	06171/17	CASE 222	TISSUE	KIDNEY	1/2560	POS	POSITIVE
280	06422/17	CASE 223	TISSUE	SPLEEN	1/40960	POS	POSITIVE
284	06448/17	CASE 224	TISSUE	SPLEEN	1/320	POS	POSITIVE
286	06448/17	CASE 224	TISSUE	LYMPH NODE	ND	POS	POSITIVE
288	06457-1/17	CASE 225	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
291	06457-2/17	CASE 226	TISSUE	BONE MARROW	1/10	WEAK	WEAK
295	06959/17	CASE 227	TISSUE	LYMPH NODE	NEG	NEG	NEGATIVE
301	06961/17	CASE 227	TISSUE	LYMPH NODE	NEG	NEG	NEGATIVE
303	07331/17	CASE 228	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
306	07332/17	CASE 228	TISSUE	BONE MARROW	1/10	WEAK	WEAK
309	07333/17	CASE 229	TISSUE	SPLEEN	1/640	POS	POSITIVE
313	07370-1/17	CASE 230	BLOOD	SERUM	1/5120	POS	POSITIVE
316	07370-4/17	CASE 230	BLOOD	SERUM	1/320	POS	POSITIVE
318	07408-1/17	CASE 231	BLOOD	SERUM	1/20480	POS	POSITIVE
320	07668/17	CASE 232	TISSUE	SPLEEN	NEG	NEG	NEGATIVE
322	07668/17	CASE 232	TISSUE	KIDNEY	NEG	NEG	NEGATIVE
324	07674-1/17	CASE 233	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
327	07674-2/17	CASE 233	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
331	07861/17	CASE 235	TISSUE	SPLEEN	1/5120	POS	POSITIVE
333	07861/17	CASE 235	TISSUE	KIDNEY	1/5120	POS	POSITIVE
335	07863/17	CASE 234	TISSUE	SPLEEN	1/10240	POS	POSITIVE
337	07863/17	CASE 234	TISSUE	KIDNEY	ND	POS	POSITIVE
339	07852/17	CASE 236	TISSUE	SPLEEN	NEG	NEG	NEGATIVE
342	08132-3/17	CASE 238	BLOOD	SERUM	NEG	NEG	NEGATIVE
344	08132-4/17	CASE 239	BLOOD	SERUM	1/20480	POS	POSITIVE
346	08132-5/17	CASE 237	BLOOD	SERUM	1/5120	POS	POSITIVE
348	08133-1/17	CASE 237	TISSUE	BONE MARROW	1/40	WEAK	WEAK
351	08133-2/17	CASE 237	TISSUE	BONE MARROW	1/160	POS	POSITIVE
354	08136/17	CASE 240	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
360	08138-6/17	CASE 242	BLOOD	SERUM	1/163840	POS	POSITIVE
361	08458/17	CASE 243	TISSUE	BONE MARROW	1/10	WEAK	WEAK
364	08663/17	CASE 244	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
379	09320/17	CASE 248	TISSUE	LYMPH NODE	NEG	NEG	NEGATIVE
385	10255/17	CASE 251	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
389	10258/17	CASE 250	TISSUE	BONE MARROW	NEG	NEG	NEGATIVE
393	10257-1/17	CASE 250	BLOOD	SERUM	1/160	POS	POSITIVE
395	10257-2/17	CASE 250	BLOOD	SERUM	1/2560	POS	POSITIVE
396	10257-4/17	CASE 250	BLOOD	SERUM	NEG	NEG	NEGATIVE

WEAK= IPT Titre <1/80; ND= NOT DONE

(a) URL-IPT → Indirect immunoperoxidase technique on E70-MS infected cells using the protocol standardized and validated by the European Union Reference Laboratory (EURL).

By the OIE-indirect ELISA test, 11 out of the 21 sera analyzed gave a positive result whereas using the commercial INGENASA ELISA test 12 sera resulted positives increased. All of them were confirmed as positives by IPT and only 8 by the IB test (table 4).



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Table 4→ ASF antibody detection in serum samples

ID CISA	ID POLAND NRL	TYPE OF SAMPLE	OIE-ELISA ^(a)		INGENASA-ELISA ^(b)		OIE-IB ^(c)	URL-IPT* ^(d)		CONCLUSION*
			O.D. value	Result	O.D. value	Result		Titer	Result	
9	00016/17	SERUM	0.112	NEG	1.389	NEG	NT	NEG	NEG	NEGATIVE
11	00017/17	SERUM	0.775	POS	0.161	POS	POS	1/81920	POS	POSITIVE
20	00389-15/17	SERUM	0.498	DOUBT	0.556	POS	POS	1/40960	POS	POSITIVE
56	01249/17	SERUM	0.466	DOUBT	0.092	POS	NEG	1/10240	POS	POSITIVE
57	01386-3/17	SERUM	1.078	POS	0.105	POS	POS	1/163840	POS	POSITIVE
58	01386-19/17	SERUM	0.749	POS	3.074	NEG	NT	1/40960	POS	POSITIVE
64	01443/17	SERUM	1.154	POS	0.079	POS	POS	1/81920	POS	POSITIVE
162	03485/17	SERUM	0.986	POS	0.105	POS	POS	1/81920	POS	POSITIVE
171	03738-5/17	SERUM	0.969	POS	0.071	POS	POS	1/327680	POS	POSITIVE
176	04082-2/17	SERUM	0.419	DOUBT	0.327	POS	POS	1/81920	POS	POSITIVE
216	05675-7/17	SERUM	1.234	POS	0.084	POS	POS		POS	POSITIVE
313	07370-1/17	SERUM	0.143	NEG	1.278	NEG	NT	1/5120	POS	POSITIVE
316	07370-4/17	SERUM	0.114	NEG	1.236	NEG	NT	1/320	POS	POSITIVE
318	07408-1/17	SERUM	0.244	NEG	0.559	POS	POS	1/20480	POS	POSITIVE
342	08132-3/17	SERUM	0.092	NEG	2.479	NEG	NT	NEG	NEG	NEGATIVE
344	08132-4/17	SERUM	0.164	NEG	1.612	NEG	NT	1/20480	POS	POSITIVE
346	08132-5/17	SERUM	0.212	NEG	2.365	NEG	NT	1/5120	POS	POSITIVE
360	08138-6/17	SERUM	1.883	POS	0.39	POS	POS	1/163840	POS	POSITIVE
393	10257-1/17	SERUM	0.071	NEG	0.957	NEG	NT	1/160	POS	POSITIVE
395	10257-2/17	SERUM	0.222	NEG	0.822	DOUBT	DOUBT	1/2560	POS	POSITIVE
396	10257-4/17	SERUM	0.109	NEG	1.623	NEG	NT	NEG	NEG	NEGATIVE

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) INGENASA K3→ commercial ELISA kit Ingezim PPA Compac (11.PPA k3).

(c) OIE-IB → Immunoblotting described in the OIE Manual of diagnosis for ASF (Chapter 2.8.1, OIE seven edition 2012)

(d) URL-IPT → indirect immunoperoxidase technique on E70MS infected cells using the protocol standardized and validated by the European Union Reference Laboratory (URL).



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3. **ASFV MOLECULAR CHARACTERIZATION*** → Genetic characterization of ASFV has been performed by four independent PCRs and further sequencing from **77 wild boar (table 5)**.

Table 5 → Identification of the wild boar ASFV sequenced				
ASFV SEQUENCED	SAMPLING LOCALIZATION	SAMPLING DATE	ID ANIMAL	CASE
POL16/WB-CASE 165	Zalesie, Lubelskie Voivodeship	28/12/2016	00005/17	CASE 165
POL16/WB-CASE164	Zalesie, Lubelskie Voivodeship	28/12/2016	00006/17	CASE 164
POL16/WB-CASE166	Zalesie, Lubelskie Voivodeship	28/12/2016	00016/17	CASE 166
POL17/WB-CASE168	Mielnik, Podlaskie Voivodeship	01/01/2017	00117/17	CASE 168
POL17/WB-CASE169	Sarnaki, Mazowieckie Voivodeship	04/01/2017	00451/17	CASE 169
POL17/WB-CASE170	Trzcianne, Podlaskie Vovodeship	03/01/2017	00389-15/17	CASE 170
POL17/WB-CASE171	Trzcianne, Podlaskie Vovodeship	09/01/2017	00722/17	CASE 171
POL17/WB-CASE172	Sarnaki, Mazowieckie Voivodeship	08/01/2017	00750/17	CASE 172
POL17/WB-CASE173	Sarnaki, Mazowieckie Voivodeship	08/01/2017	00729/17	CASE 173
POL17/WB-CASE174	Sarnaki, Mazowieckie Voivodeship	07/01/2017	00758/17	CASE 174
Pol17/WB-CASE 175	Zalesie, Lubelskie Voivodeship	12/01/2017	01071/17	CASE 175
Pol17/WB-CASE 176	Sarnaki, Mazowieckie Voivodeship	12/01/2017	01114/17	CASE 176
Pol17/WB-CASE 180	Radziłów, Podlaskie Voivodeship	17/01/2017	01386-3/17	CASE 180
Pol17/WB-CASE 181	Radziłów, Podlaskie Voivodeship	17/01/2017	01386-19/17	CASE 181
Pol17/WB-CASE 178	Zalesie, Lubelskie Voivodeship	16/01/2017	01336/17	CASE 178
Pol17/WB-CASE 179	Zalesie, Lubelskie Voivodeship	16/01/2017	01408/17	CASE 179
Pol17/WB-CASE 186	Mielnik, Podlaskie Voivodeship	19/01/2017	01660/17	CASE 186
Pol17/WB-CASE 183	Zalesie, Lubelskie Voivodeship	18/01/2017	01713/17	CASE 183
Pol17/WB-CASE 185	Janów Podlaski, Lubelskie Voivodeship	19/01/2017	01806/17	CASE 185
Pol17/WB-CASE 187	Radziłów, Podlaskie Voivodeship	20/01/2017	01913/17	CASE 187
Pol17/WB-CASE 188	Piszczac, Lubelskie Voivodeship	23/01/2017	02029-1/17	CASE 188
Pol17/WB-CASE 189	Zalesie, Lubelskie Voivodeship	20/01/2017	02029-2/17	CASE 189
Pol17/WB-CASE 190	Zalesie, Lubelskie Voivodeship	21/01/2017	02029-3/17	CASE 190
Pol17/WB-CASE 191	Terespol, Lubelskie Voivodeship	23/01/2017	02053/17	CASE 191
Pol17/WB-CASE 195	Sarnaki, Mazowieckie Voivodeship	22/01/2017	02113/17	CASE 195
Pol17/WB-CASE 196	Trzcianne, Podlaskie Vovodeship	26/01/2017	02544/17	CASE 196
Pol17/WB-CASE 197	Zalesie, Lubelskie Voivodeship	26/01/2017	02605/17	CASE 197
Pol17/WB-CASE 198	Mielnik, Podlaskie Voivodeship	30/01/2017	02800/17	CASE 198
Pol17/WB-CASE 200	Sarnaki, Mazowieckie Voivodeship	30/01/2017	03025/17	CASE 200
Pol17/WB-CASE 201	Sarnaki, Mazowieckie Voivodeship	30/01/2017	03029/17	CASE 201
Pol17/WB-CASE 204	Mielnik, Podlaskie Voivodeship	07/02/2017	03684/17	CASE 204
Pol17/WB-CASE 205	Zalesie, Lubelskie Voivodeship	03/02/2017	03739/17	CASE 205
Pol17/WB-CASE 207	Mielnik, Podlaskie Voivodeship	09/02/2017	04078/17	CASE 207
Pol17/WB-CASE 209	Trzcianne, Podlaskie Vovodeship	11/02/2017	04360-3/17	CASE 209
Pol17/WB-CASE 210	Sarnaki, Mazowieckie Voivodeship	11/02/2017	04461/17	CASE 210
Pol17/WB-CASE 211	Sarnaki, Mazowieckie Voivodeship	14/02/2017	04463/17	CASE 211
Pol17/WB-CASE 212	Rokitno, Lubelskie Voivodeship	14/02/2017	04703/17	CASE 212
Pol17/WB-CASE 213	Zalesie, Lubelskie Voivodeship	15/02/2017	04955/17	CASE 213
Pol17/WB-CASE 214	Janów Podlaski, Lubelskie Voivodeship	18/02/2017	05189/17	CASE 214
Pol17/WB-CASE 216	Zalesie, Lubelskie Voivodeship	21/02/2017	05447/17	CASE 216
Pol17/WB-CASE 217	Zalesie, Lubelskie Voivodeship	21/02/2017	05449/17	CASE 217
Pol17/WB-CASE 215	Zalesie, Lubelskie Voivodeship	21/02/2017	05450/17	CASE 215
Pol17/WB-CASE 219	Sarnaki, Mazowieckie Voivodeship	23/02/2017	05680/17	CASE 219
Pol17/WB-CASE 220	Mielnik, Podlaskie Voivodeship	25/02/2017	05837-1/17	CASE 220
Pol17/WB-CASE 221	Mielnik, Podlaskie Voivodeship	25/02/2017	05837-4/18	CASE 221
Pol17/WB-CASE 222	Sarnaki, Mazowieckie Voivodeship	25/02/2017	06171/17	CASE 222



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ASFV SEQUENCED	SAMPLING LOCALIZATION	SAMPLING DATE	ID ANIMAL	CASE
Pol17/WB-CASE 223	Stara Kornica, Mazowieckie Voivodeship	02/03/2017	06422/17	CASE 223
Pol17/WB-CASE 224	Mielnik, Podlaskie Voivodeship	03/03/2017	06448/17	CASE 224
Pol17/WB-CASE 225	Zalesie, Lubelskie Voivodeship	03/03/2017	06457-1/17	CASE 225
Pol17/WB-CASE 226	Zalesie, Lubelskie Voivodeship	03/03/2017	06457-2/17	CASE 226
Pol17/WB-CASE 227	Mielnik, Podlaskie Voivodeship	08/03/2017	06959/17	CASE 227
Pol17/WB-CASE 228	Sarnaki, Mazowieckie Voivodeship	08/03/2017	07331/17	CASE 228
Pol17/WB-CASE 229	Stara Kornica, Mazowieckie Voivodeship	09/03/2017	07333/17	CASE 229
Pol17/WB-CASE 230	Zalesie, Lubelskie Voivodeship	09/03/2017	07370-1/17	CASE 230
Pol17/WB-CASE 231	Zalesie, Lubelskie Voivodeship	09/03/2017	07408-1/17	CASE 231
Pol17/WB-CASE 232	Nurzec Stacja, Podlaskie Voivodeship	13/03/2017	07668/17	CASE 232
Pol17/WB-CASE 233	Nurzec Stacja, Podlaskie Voivodeship	13/03/2017	07674-1/17	CASE 233
Pol17/WB-CASE 235	Stara Kornica, Mazowieckie Voivodeship	11/03/2017	07861/17	CASE 235
Pol17/WB-CASE 234	Stara Kornica, Mazowieckie Voivodeship	14/03/2017	07863/17	CASE 234
Pol17/WB-CASE 236	Sarnaki, Mazowieckie Voivodeship	12/03/2017	07852/17	CASE 236
Pol17/WB-CASE 238	Zalesie, Lubelskie Voivodeship	13/03/2017	08132-3/17	CASE 238
Pol17/WB-CASE 239	Zalesie, Lubelskie Voivodeship	13/03/2017	08132-4/17	CASE 239
Pol17/WB-CASE 237	Zalesie, Lubelskie Voivodeship	13/03/2017	08132-5/17	CASE 237
Pol17/WB-CASE 240	Zalesie, Lubelskie Voivodeship	14/03/2017	08136/17	CASE 240
Pol17/WB-CASE 241	Rokitno, Lubelskie Voivodeship	14/03/2017	08137/17	CASE 241
Pol17/WB-CASE 244	Zalesie, Lubelskie Voivodeship	17/03/2017	08663/17	CASE 244
Pol17/WB-CASE 245	Mielnik, Podlaskie Voivodeship	21/03/2017	08699/17	CASE 245
Pol17/WB-CASE 246	Mielnik, Podlaskie Voivodeship	22/03/2017	09017/17	CASE 246
Pol17/WB-CASE 249	Sarnaki, Mazowieckie Voivodeship	27/03/2017	10093/17	CASE 249
Pol17/WB-CASE 251	Zalesie, Lubelskie Voivodeship	28/03/2017	10255/17	CASE 251
Pol17/WB-CASE 250	Zalesie, Lubelskie Voivodeship	28/03/2017	10257-1/17	CASE 250

The expected ≈478 bp of the C-terminal *p72*-gene was obtained in all positive selected wild boar (WB) samples. The PCR amplicons were sequenced in order to place the new ASFV Poland viruses in one of the defined 23 *p72* genotypes. The ASF Poland WB viruses clustered, as an expected, **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 Poland viruses within the **variant GII-CVR1** with the presence of 10 copies of amino acid tetramer repeats that were 100% identical and unique to those of the ASFV circulating in Poland since the beginning of the ASF outbreaks/cases in 2014, and currently circulating in Latvia, Lithuania, Czech Republic and in certain regions of Estonia.

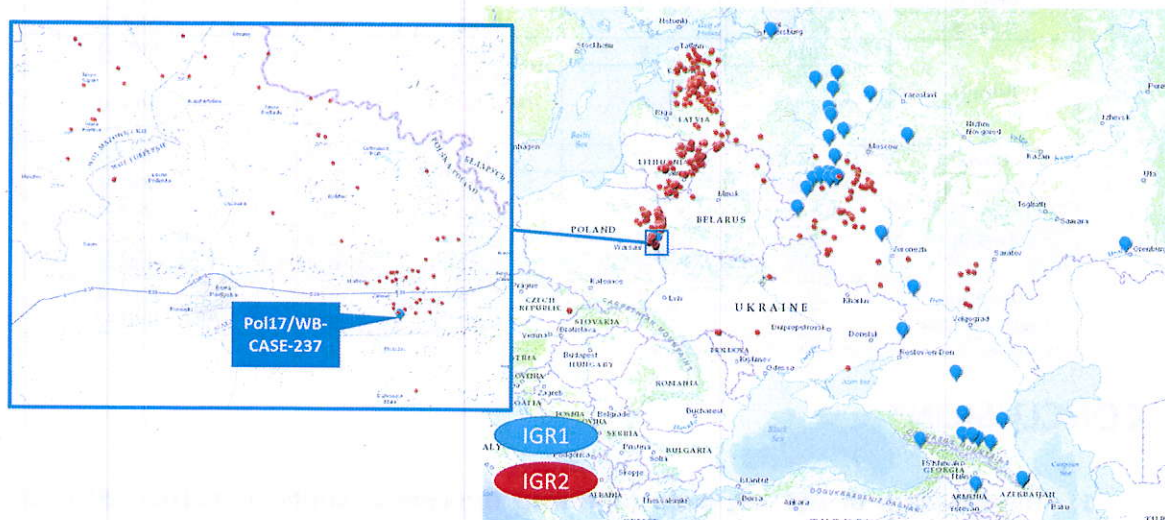
However, the sequence analysis of **the intergenic region between the *I73R* and *I329L* genes (IGR_{I73R-I329L})** clustered the ASFV isolate **Pol17/WB-CASE 237**, obtained from the wild boar case occurred at Zalesie, Lubelskie Voivodeship, on 3rd March 2013, within the **intergenic region variant GII-IGR_{I73R-I329L}-1**, **never identified within the EU countries, including Poland**. The GII-IGR_{I73R-I329L}-1, characterized by the absence of the nucleotide tandem repeat (TRS) insertion (**GGAATATATA**), has been associated to the initial ASFV strains from Russia (2008-2012), Georgia (2007), Armenia (2007) or Azerbaijan (2008). **Within the EU**, the ASFV genotype II viruses up to now sequenced, including



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those from the Czech Republic (2017), and those from Estonia, Latvia, Poland and Lithuania (2014-2017), **has been always classified within the intergenic region variant IGR_{I73R-I329L}-2**. Outside the EU, this variant is also present in the Moldova 2016 isolates, the Ukraine 2012 and 2015 isolates, in the Belarus 2013 viruses and, since 2012, in the Russia federation where are co-circulating the two IGR variants (**figure 1**) (Gallardo et al., 2014; Goller *et al.*, 2015).

Figure 1. Map showing the localization of the **Pol17/WB-CASE 237** belonging to the variant **GII-IGR_{I73R-I329L}-1**, not previously described in Poland or in the remaining EU countries where the **IGR_{I73R-I329L}-2** is circulating.



Finally, the amplification of the **intergenic region between the MGF 505 9R and the 10R genes (IGR MGF)** generated a 489-bp amplicon from the new Poland wild boar ASFV isolates 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. It was not related to the last variant identified (**MGF - 2**) in the ASFV Pol16/WB-CASE-126 isolated from the wild boar case occurred in Poland in November 2016. This variant has been previously observed in the sequences of the Russian ASFVs from Tver and Vladimir regions at least since 2012 (Elsukova, A. et al., 2016).



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A summary about the molecular typing of the Eastern European ASFV isolates is showed in **table 6**.

Table 6 → Summary of the molecular characterization results from Eastern European ASFV isolates 2007-2017

COUNTRY	YEAR	P72 GENOTYPE	CVR SUBTYPING	IGR _{I73R-I329L} 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 + CVR1SNP* + 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	IGR-1 + IGR-2	MGF -1
Moldova	2016	II	CVR1	IGR-2	MGF -1
Czech Republic	2017	II	CVR1	IGR-2	MGF -1

*single nucleotide polymorphism within the CVR 1 variant.

CONCLUSION*

1. The **presence of ASF** has been confirmed throughout antibody and/or ASFV genome detection in **all wild boar** received from the **cases** occurred in **Poland from December 2016 (case 165) up to March 2017 (case 250)**.
2. The **p72 genotyping of the new Poland wild boar ASFV** clustered the viruses within **p72 genotype II** circulating in the Eastern European countries since the first introduction in Georgia in 2007.
3. The **CVR subtyping** placed the Poland wild boar ASF viruses within the **CVR variant 1** identical to those of the ASFV circulating in the Eastern countries since 2007.
4. The sequence analysis of the intergenic region between the **I73R** and **I329L** genes (**IGR_{I73R-I329L}**) clustered the ASFV isolate **PoI17/WB-CASE 237**, obtained from the wild boar case occurred at Zalesei, Lubelskie Voivodeship, on **3rd March 2013** within the **intergenic region variant GII-IGR_{I73R-I329L}-1**, never described within the EU countries.
5. The analysis of the **intergenic region (IGR MGF)** located between the **9R** and **10R** genes within the **MGF 505** showed that the ASF Poland viruses were 100% homologous to the



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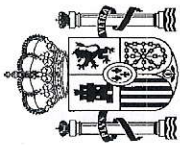


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viruses responsible of the cases occurred in wild boar and in domestic pigs in Lithuania, Latvia, Estonia and Poland (2014-2017) and recently in the Czech Republic (2017), with the exception of the virus collected from the wild boar case 126 occurred in Poland on November 2016.



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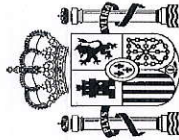
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The table below summarizes the results obtained in each WILD BOAR combining virus and antibody detection tests, as well as the genotyping results.

ASF FINAL DIAGNOSTIC RESULT IN WILD BOAR

OUTBREAK DATE	SAMPLE LABORATORY CODE			VIRUS DETECTION	ANTIBODY DETECTION	ASFV ISOLATE	GENOTYPING	
	CASE	DATE	DESCRIPTION				GII	CVR
28/12/2016	CASE 165	00005/17	Zalesie, Lubelskie Voivodeship	POSITIVE	NEGATIVE	Pol16/WB-CASE 165	GII	CVR- 1 IGR _{173R-1329L} -2 MGF -1
28/12/2016	CASE 164	00006/17	Zalesie, Lubelskie Voivodeship	POSITIVE	NEGATIVE	Pol16/WB-CASE164	GII	CVR- 1 IGR _{173R-1329L} -2 MGF -1
28/12/2016	CASE 166	00016/17	Zalesie, Lubelskie Voivodeship	POSITIVE	NEGATIVE	Pol16/WB-CASE166	GII	CVR- 1 IGR _{173R-1329L} -2 MGF -1
28/12/2016	CASE 167	00017/17	Zalesie, Lubelskie Voivodeship	WEAK ¹	POSITIVE			
01/01/2017	CASE 168	00117/17	Mielnik, Podlaskie Voivodeship	POSITIVE	POSITIVE	Pol17/WB-CASE168	GII	CVR- 1 IGR _{173R-1329L} -2 MGF -1
04/01/2017	CASE 169	00451/17	Sarnaki, Mazowieckie Voivodeship	POSITIVE	POSITIVE	Pol17/WB-CASE169	GII	CVR- 1 IGR _{173R-1329L} -2 MGF -1
03/01/2017	CASE 170	00389-15/17	Trzcianne, Podlaskie Voivodeship	POSITIVE	POSITIVE	Pol17/WB-CASE170	GII	CVR- 1 IGR _{173R-1329L} -2 MGF -1
09/01/2017	CASE 171	00685-1/17	Trzcianne, Podlaskie Voivodeship	POSITIVE	WEAK ²			
09/01/2017	CASE 171	00685-2/17	Trzcianne, Podlaskie Voivodeship	POSITIVE	NEGATIVE			
09/01/2017	CASE 171	00685-3/17	Trzcianne, Podlaskie Voivodeship	POSITIVE	WEAK			
09/01/2017	CASE 171	00685-4/17	Trzcianne, Podlaskie Voivodeship	POSITIVE	POSITIVE			
09/01/2017	CASE 171	00722/17	Trzcianne, Podlaskie Voivodeship	POSITIVE	POSITIVE	Pol17/WB-CASE171	GII	CVR- 1 IGR _{173R-1329L} -2 MGF -1
08/01/2017	CASE 172	00750/17	Sarnaki, Mazowieckie Voivodeship	POSITIVE	NEGATIVE	Pol17/WB-CASE172	GII	CVR- 1 IGR _{173R-1329L} -2 MGF -1
08/01/2017	CASE 173	00729/17	Sarnaki, Mazowieckie Voivodeship	POSITIVE	POSITIVE	Pol17/WB-CASE173	GII	CVR- 1 IGR _{173R-1329L} -2 MGF -1
07/01/2017	CASE 174	00758/17	Sarnaki, Mazowieckie Voivodeship	POSITIVE	NEGATIVE	Pol17/WB-CASE174	GII	CVR- 1 IGR _{173R-1329L} -2 MGF -1
12/01/2017	CASE 175	01071/17	Zalesie, Lubelskie Voivodeship	POSITIVE	NEGATIVE	Pol17/WB-CASE 175	GII	CVR- 1 IGR _{173R-1329L} -2 MGF -1
12/01/2017	CASE 176	01114/17	Sarnaki, Mazowieckie Voivodeship	POSITIVE	POSITIVE	Pol17/WB-CASE 176	GII	CVR- 1 IGR _{173R-1329L} -2 MGF -1
09/01/2017	CASE 177	01249/17	Gródek, Podlaskie Voivodeship	NEGATIVE	POSITIVE			
17/01/2017	CASE 180	01386-3/17	Radziłów, Podlaskie Voivodeship	POSITIVE	POSITIVE	Pol17/WB-CASE 180	GII	CVR- 1 IGR _{173R-1329L} -2 MGF -1
17/01/2017	CASE 181	01386-19/17	Radziłów, Podlaskie Voivodeship	POSITIVE	POSITIVE	Pol17/WB-CASE 181	GII	CVR- 1 IGR _{173R-1329L} -2 MGF -1



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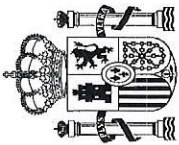
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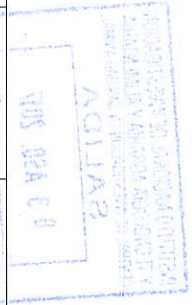
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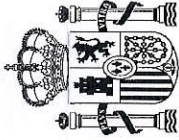
OUTBREAK DATE	SAMPLE LABORATORY CODE	VIRUS DETECTION	ANTIBODY DETECTION	ASFV ISOLATE	GENOTYPING
16/01/2017	Zalesie, Lubelskie Voivodeship	POSITIVE	NEGATIVE	Po117/WB-CASE 178	CVR-1 IGR _{173R-1329L} -2 MGF-1
16/01/2017	Zalesie, Lubelskie Voivodeship	POSITIVE	NEGATIVE	Po117/WB-CASE 179	CVR-1 IGR _{173R-1329L} -2 MGF-1
17/01/2017	Knyszyn, Podlaskie Voivodeship	NEGATIVE	POSITIVE		
19/01/2017	Mielnik, Podlaskie Voivodeship	POSITIVE	POSITIVE	Po117/WB-CASE 186	CVR-1 IGR _{173R-1329L} -2 MGF-1
18/01/2017	Zalesie, Lubelskie Voivodeship	POSITIVE	POSITIVE	Po117/WB-CASE 183	CVR-1 IGR _{173R-1329L} -2 MGF-1
19/01/2017	Zalesie, Lubelskie Voivodeship	POSITIVE	NEGATIVE		
19/01/2017	Janów Podlaski, Lubelskie Voivodeship	POSITIVE	NEGATIVE	Po117/WB-CASE 185	CVR-1 IGR _{173R-1329L} -2 MGF-1
20/01/2017	Radziłów, Podlaskie Voivodeship	POSITIVE	NEGATIVE	Po117/WB-CASE 187	CVR-1 IGR _{173R-1329L} -2 MGF-1
23/01/2017	Piszczac, Lubelskie Voivodeship	POSITIVE	NEGATIVE	Po117/WB-CASE 188	CVR-1 IGR _{173R-1329L} -2 MGF-1
20/01/2017	Zalesie, Lubelskie Voivodeship	POSITIVE	WEAK	Po117/WB-CASE 189	CVR-1 IGR _{173R-1329L} -2 MGF-1
21/01/2017	Zalesie, Lubelskie Voivodeship	POSITIVE	POSITIVE	Po117/WB-CASE 190	CVR-1 IGR _{173R-1329L} -2 MGF-1
23/01/2017	Terespol, Lubelskie Voivodeship	POSITIVE	POSITIVE	Po117/WB-CASE 191	CVR-1 IGR _{173R-1329L} -2 MGF-1
23/01/2017	Sarnaki, Mazowieckie Voivodeship	POSITIVE	NT	Po117/WB-CASE 194	CVR-1 IGR _{173R-1329L} -2 MGF-1
23/01/2017	Sarnaki, Mazowieckie Voivodeship	POSITIVE	NT	Po117/WB-CASE 192	CVR-1 IGR _{173R-1329L} -2 MGF-1
23/01/2017	Sarnaki, Mazowieckie Voivodeship	POSITIVE	NT	Po117/WB-CASE 193	CVR-1 IGR _{173R-1329L} -2 MGF-1
22/01/2017	Sarnaki, Mazowieckie Voivodeship	POSITIVE	POSITIVE	Po117/WB-CASE 195	CVR-1 IGR _{173R-1329L} -2 MGF-1
26/01/2017	Trzcianne, Podlaskie Voivodeship	POSITIVE	POSITIVE	Po117/WB-CASE 196	CVR-1 IGR _{173R-1329L} -2 MGF-1
26/01/2017	Zalesie, Lubelskie Voivodeship	POSITIVE	NEGATIVE	Po117/WB-CASE 197	CVR-1 IGR _{173R-1329L} -2 MGF-1
30/01/2017	Mielnik, Podlaskie Voivodeship	POSITIVE	WEAK	Po117/WB-CASE 198	CVR-1 IGR _{173R-1329L} -2 MGF-1
30/01/2017	Janów Podlaski, Lubelskie Voivodeship	POSITIVE	NT	Po117/WB-CASE 199	CVR-1 IGR _{173R-1329L} -2 MGF-1
30/01/2017	Janów Podlaski, Lubelskie Voivodeship	POSITIVE	NT		
30/01/2017	Janów Podlaski, Lubelskie Voivodeship	POSITIVE	POSITIVE		
30/01/2017	Janów Podlaski, Lubelskie Voivodeship	POSITIVE	NT		
30/01/2017	Janów Podlaski, Lubelskie Voivodeship	POSITIVE	POSITIVE		
30/01/2017	Sarnaki, Mazowieckie Voivodeship	POSITIVE	NEGATIVE	Po117/WB-CASE 200	CVR-1 IGR _{173R-1329L} -2 MGF-1



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OUTBREAK DATE	SAMPLE LABORATORY CODE	VIRUS DETECTION	ANTIBODY DETECTION	ASFV ISOLATE	GENOTYPING
30/01/2017	Sarnaki, Mazowieckie Voivodeship	POSITIVE	POSITIVE		
30/01/2017	Sarnaki, Mazowieckie Voivodeship	POSITIVE	POSITIVE		
30/01/2017	Sarnaki, Mazowieckie Voivodeship	POSITIVE	POSITIVE		
30/01/2017	Sarnaki, Mazowieckie Voivodeship	POSITIVE	NEGATIVE	Pol17/WB-CASE 201	GII CVR-1 IGR _{173R-1329L} -2 MGF-1
30/01/2017	Sarnaki, Mazowieckie Voivodeship	POSITIVE	POSITIVE		
30/01/2017	Sarnaki, Mazowieckie Voivodeship	POSITIVE	WEAK		
30/01/2017	Sarnaki, Mazowieckie Voivodeship	POSITIVE	NEGATIVE		
02/02/2017	Janów Podlaski, Lubelskie Voivodeship	POSITIVE	NT	Pol17/WB-CASE 202	GII CVR-1 IGR _{173R-1329L} -2 MGF-1
06/02/2017	Nurzec Stacja, Podlaskie Voivodeship	NEGATIVE			
07/02/2017	Mielnik, Podlaskie Voivodeship	POSITIVE	WEAK	Pol17/WB-CASE 204	GII CVR-1 IGR _{173R-1329L} -2 MGF-1
03/02/2017	Zalesie, Lubelskie Voivodeship	POSITIVE	NEGATIVE	Pol17/WB-CASE 205	GII CVR-1 IGR _{173R-1329L} -2 MGF-1
02/02/2017	Zalesie, Lubelskie Voivodeship	POSITIVE	POSITIVE		
09/02/2017	Mielnik, Podlaskie Voivodeship	POSITIVE	NEGATIVE	Pol17/WB-CASE 207	GII CVR-1 IGR _{173R-1329L} -2 MGF-1
08/02/2017	Mielnik, Podlaskie Voivodeship	POSITIVE	POSITIVE		
11/02/2017	Trzcianne, Podlaskie Voivodeship	POSITIVE	NEGATIVE		
11/02/2017	Trzcianne, Podlaskie Voivodeship	POSITIVE	NEGATIVE		
11/02/2017	Trzcianne, Podlaskie Voivodeship	POSITIVE	WEAK	Pol17/WB-CASE 209	GII CVR-1 IGR _{173R-1329L} -2 MGF-1
11/02/2017	Sarnaki, Mazowieckie Voivodeship	POSITIVE	POSITIVE	Pol17/WB-CASE 210	GII CVR-1 IGR _{173R-1329L} -2 MGF-1
14/02/2017	Sarnaki, Mazowieckie Voivodeship	POSITIVE	POSITIVE	Pol17/WB-CASE 211	GII CVR-1 IGR _{173R-1329L} -2 MGF-1
14/02/2017	Rokitno, Lubelskie Voivodeship	POSITIVE	NEGATIVE	Pol17/WB-CASE 212	GII CVR-1 IGR _{173R-1329L} -2 MGF-1
15/02/2017	Zalesie, Lubelskie Voivodeship	POSITIVE	WEAK	Pol17/WB-CASE 213	GII CVR-1 IGR _{173R-1329L} -2 MGF-1
18/02/2017	Janów Podlaski, Lubelskie Voivodeship	POSITIVE	NEGATIVE	Pol17/WB-CASE 214	GII CVR-1 IGR _{173R-1329L} -2 MGF-1
21/02/2017	Zalesie, Lubelskie Voivodeship	POSITIVE	WEAK	Pol17/WB-CASE 216	GII CVR-1 IGR _{173R-1329L} -2 MGF-1
21/02/2017	Zalesie, Lubelskie Voivodeship	POSITIVE	NEGATIVE	Pol17/WB-CASE 217	GII CVR-1 IGR _{173R-1329L} -2 MGF-1
21/02/2017	Zalesie, Lubelskie Voivodeship	POSITIVE	NEGATIVE	Pol17/WB-CASE 215	GII CVR-1 IGR _{173R-1329L} -2 MGF-1





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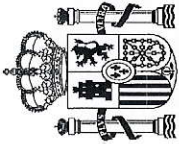
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20/02/2017	Mielnik, Podlaskie Voivodeship CASE 218 05675-7/17	NEGATIVE	POSITIVE		
23/02/2017	Sarnaki, Mazowieckie Voivodeship CASE 219 05680/17	POSITIVE	WEAK	Pol17/WB-CASE 219	CVR-1 IGR _{173R-1329L} -2 MGF-1
23/02/2017	Sarnaki, Mazowieckie Voivodeship CASE 219 05681/17	POSITIVE	POSITIVE		
25/02/2017	Mielnik, Podlaskie Voivodeship CASE 220 05837-1/17	POSITIVE	WEAK	Pol17/WB-CASE 220	CVR-1 IGR _{173R-1329L} -2 MGF-1
25/02/2017	Mielnik, Podlaskie Voivodeship CASE 220 05837-2/17	POSITIVE	WEAK		
25/02/2017	Mielnik, Podlaskie Voivodeship CASE 220 05837-3/18	POSITIVE	POSITIVE		
25/02/2017	Mielnik, Podlaskie Voivodeship CASE 221 05837-4/18	POSITIVE	NEGATIVE	Pol17/WB-CASE 221	CVR-1 IGR _{173R-1329L} -2 MGF-1
25/02/2017	Mielnik, Podlaskie Voivodeship CASE 221 05837-5/19	POSITIVE	NEGATIVE		
25/02/2017	Mielnik, Podlaskie Voivodeship CASE 221 05837-6/19	POSITIVE	NEGATIVE		
25/02/2017	Mielnik, Podlaskie Voivodeship CASE 220 05838/17	POSITIVE	POSITIVE		
25/02/2017	Mielnik, Podlaskie Voivodeship CASE 220 05839/17	POSITIVE	POSITIVE		
25/02/2017	Mielnik, Podlaskie Voivodeship CASE 220 05840/17	POSITIVE	NEGATIVE		
25/02/2017	Mielnik, Podlaskie Voivodeship CASE 220 05841/17	POSITIVE	NEGATIVE		
25/02/2017	Mielnik, Podlaskie Voivodeship CASE 220 05842/17	POSITIVE	NEGATIVE		
25/02/2017	Mielnik, Podlaskie Voivodeship CASE 220 05843/17	POSITIVE	NT		
25/02/2017	Mielnik, Podlaskie Voivodeship CASE 220 05951/17	POSITIVE	NT		
25/02/2017	Sarnaki, Mazowieckie Voivodeship CASE 222 06171/17	POSITIVE	POSITIVE	Pol17/WB-CASE 222	CVR-1 IGR _{173R-1329L} -2 MGF-1
02/03/2017	Stara Kornica, Mazowieckie CASE 223 06422/17	POSITIVE	POSITIVE	Pol17/WB-CASE 223	CVR-1 IGR _{173R-1329L} -2 MGF-1
03/03/2017	Mielnik, Podlaskie Voivodeship CASE 224 06448/17	POSITIVE	POSITIVE	Pol17/WB-CASE 224	CVR-1 IGR _{173R-1329L} -2 MGF-1
03/03/2017	Zalesie, Lubelskie Voivodeship CASE 225 06457-1/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 225	CVR-1 IGR _{173R-1329L} -2 MGF-1
03/03/2017	Zalesie, Lubelskie Voivodeship CASE 226 06457-2/17	POSITIVE	WEAK	Pol17/WB-CASE 226	CVR-1 IGR _{173R-1329L} -2 MGF-1
08/03/2017	Mielnik, Podlaskie Voivodeship CASE 227 06959/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 227	CVR-1 IGR _{173R-1329L} -2 MGF-1
08/03/2017	Mielnik, Podlaskie Voivodeship CASE 227 06961/17	POSITIVE	NEGATIVE		
08/03/2017	Sarnaki, Mazowieckie Voivodeship CASE 228 07331/17	POSITIVE	NEGATIVE	Pol17/WB-CASE 228	CVR-1 IGR _{173R-1329L} -2 MGF-1
08/03/2017	Sarnaki, Mazowieckie Voivodeship CASE 228 07332/17	POSITIVE	WEAK		



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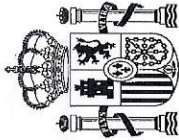


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09/03/2017	Stara Kornica, Mazowieckie CASE 229	POSITIVE	POSITIVE	Poi17/WB-CASE 229	CVR-1 IGR173R-1329L-2 MGF -1
09/03/2017	Zalesie, Lubelskie Voivodeship CASE 230	POSITIVE	POSITIVE	Poi17/WB-CASE 230	CVR-1 IGR173R-1329L-2 MGF -1
09/03/2017	Zalesie, Lubelskie Voivodeship CASE 230	POSITIVE	POSITIVE		
09/03/2017	Zalesie, Lubelskie Voivodeship CASE 231	POSITIVE	POSITIVE	Poi17/WB-CASE 231	CVR-1 IGR173R-1329L-2 MGF -1
13/03/2017	Nurzec Stacja, Podlaskie Voivodeship CASE 232	POSITIVE	NEGATIVE	Poi17/WB-CASE 232	CVR-1 IGR173R-1329L-2 MGF -1
13/03/2017	Nurzec Stacja, Podlaskie Voivodeship CASE 233	POSITIVE	NEGATIVE	Poi17/WB-CASE 233	CVR-1 IGR173R-1329L-2 MGF -1
13/03/2017	Nurzec Stacja, Podlaskie Voivodeship CASE 233	POSITIVE	NEGATIVE		
11/03/2017	Stara Kornica, Mazowieckie CASE 235	POSITIVE	POSITIVE	Poi17/WB-CASE 235	CVR-1 IGR173R-1329L-2 MGF -1
14/03/2017	Stara Kornica, Mazowieckie CASE 234	POSITIVE	POSITIVE	Poi17/WB-CASE 234	CVR-1 IGR173R-1329L-2 MGF -1
12/03/2017	Sarnaki, Mazowieckie Voivodeship CASE 236	POSITIVE	NEGATIVE	Poi17/WB-CASE 236	CVR-1 IGR173R-1329L-2 MGF -1
13/03/2017	Zalesie, Lubelskie Voivodeship CASE 238	POSITIVE	NEGATIVE	Poi17/WB-CASE 238	CVR-1 IGR173R-1329L-2 MGF -1
13/03/2017	Zalesie, Lubelskie Voivodeship CASE 239	POSITIVE	POSITIVE	Poi17/WB-CASE 239	CVR-1 IGR173R-1329L-2 MGF -1
13/03/2017	Zalesie, Lubelskie Voivodeship CASE 237	POSITIVE	POSITIVE	Poi17/WB-CASE 237	CVR-1 IGR173R-1329L-1 MGF -1
13/03/2017	Zalesie, Lubelskie Voivodeship CASE 237	POSITIVE	WEAK		
13/03/2017	Zalesie, Lubelskie Voivodeship CASE 237	POSITIVE	POSITIVE		
14/03/2017	Zalesie, Lubelskie Voivodeship CASE 240	POSITIVE	NEGATIVE	Poi17/WB-CASE 240	CVR-1 IGR173R-1329L-2 MGF -1
14/03/2017	Rokitno, Lubelskie Voivodeship CASE 241	POSITIVE	WEAK	Poi17/WB-CASE 241	CVR-1 IGR173R-1329L-2 MGF -1
13/03/2017	Rokitno, Lubelskie Voivodeship CASE 242	POSITIVE	POSITIVE		
17/03/2017	Zalesie, Lubelskie Voivodeship CASE 244	POSITIVE	NEGATIVE	Poi17/WB-CASE 244	CVR-1 IGR173R-1329L-2 MGF -1
21/03/2017	Mielnik, Podlaskie Voivodeship CASE 245	POSITIVE	POSITIVE	Poi17/WB-CASE 245	CVR-1 IGR173R-1329L-2 MGF -1
22/03/2017	Mielnik, Podlaskie Voivodeship CASE 246	POSITIVE	NEGATIVE	Poi17/WB-CASE 246	CVR-1 IGR173R-1329L-2 MGF -1
23/03/2017	Mielnik, Podlaskie Voivodeship CASE 247	POSITIVE	NT	Poi17/WB-CASE 247	CVR-1 IGR173R-1329L-2 MGF -1
23/03/2017	Janów Podlaski, Lubelskie Voivodeship CASE 248	POSITIVE	NT		
27/03/2017	Sarnaki, Mazowieckie Voivodeship CASE 249	POSITIVE	POSITIVE	Poi17/WB-CASE 249	CVR-1 IGR173R-1329L-2 MGF -1
28/03/2017	Zalesie, Lubelskie Voivodeship CASE 251	POSITIVE	NEGATIVE	Poi17/WB-CASE 251	CVR-1 IGR173R-1329L-2 MGF -1





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		CASE 250	10258/17	POSITIVE	NEGATIVE				
28/03/2017	Zalesie, Lubelskie Voivodeship	CASE 250	10257-1/17	POSITIVE	POSITIVE	GII	CVR- 1	IGR _{173R-13291} -2	MGF -1
28/03/2017	Zalesie, Lubelskie Voivodeship	CASE 250	10257-2/17	POSITIVE	POSITIVE				
28/03/2017	Zalesie, Lubelskie Voivodeship	CASE 250	10257-4/17	POSITIVE	NEGATIVE				

NT=NOT TESTED; 1) WEAK = Ct ≥35; 2) WEAK= IPT Titre <1/80;





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In Valdeolmos. Madrid (Spain), 3rd August 2017

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