Tandem Repeat Insertion in African Swine Fever Virus, Russia, 2012

Technical Appendix. Partial nucleotide alignment of African swine fever virus intergenic regions between I73R and I329L, Russia

	10	20	30	40	50	60	70	80	90	100
1.Georgia 2007/1 FR682468	AATAACACAGTTAAG									
2.Abk07 KJ620029	AATAACACAGTTAAG									
3.Arm07 KJ620028	AATAACACAGTTAAG									
4.Che07 KJ620030	AATAACACAGTTAAG									
5.Az08D KJ620035	AATAACACAGTTAAG									
6.Az08B KJ620036	AATAACACAGTTAAG									
7.Ing08 KJ620031	AATAACACAGTTAAG									
8.Oren08 KJ620032	AATAACACAGTTAAG									
9.NO08/AV KJ620033	AATAACACAGTTAAG									
10.NO08/Ap KJ620034	AATAACACAGTTAAG									
11.Dagestan09 KJ620048	AATAACACAGTTAAG									
12.StPet09 KJ620050	AATAACACAGTTAAG									
13.Kalmykia09 KJ620049	AATAACACAGTTAAG	CAATAAATA	ACAAGTATAT	AGGAATATAT	'A	-GGAATATATA	GAAATATATA	GAAATAGCT.	AAGCTTAATA	CTAATT
14.Rostov09 KJ620051	AATAACACAGTTAAG	CAATAAATA	ACAAGTATAT	AGGAATATAT	`A	-GGAATATATA	GAAATATATA	GAAATAGCT.	AAGCTTAATA	CTAATT
15.Tver0511/Torjo KJ620038	AATAACACAGTTAAG	CAATAAATA	ACAAGTATAT	AGGAATATAI	`A	-GGAATATATA	GAAATATATA	GAAATAGCT.	AAGCTTAATA	CTAATT
16.Tver0312/Torjo KJ620041	AATAACACAGTTAAG	CAATAAATA	ACAAGTATAT	AGGAATATAI	`A	-GGAATATATA	GAAATATATA	GAAATAGCT.	AAGCTTAATA	CTAATT
17.Tver0312/Novo_KJ620042	AATAACACAGTTAAG	CAATAAATA	ACAAGTATAT	AGGAATATAT	'A	-GGAATATATA	GAAATATATA	GAAATAGCT.	AAGCTTAATA	CTAATT
18.Tver0712/Les KJ620040	AATAACACAGTTAAG	CAATAAATA	ACAAGTATAT	AGGAATATAI	`A	-GGAATATATA	GAAATATATA	GAAATAGCT.	AAGCTTAATA	CTAATT
19.Tver0812/Bolo_KJ620039	AATAACACAGTTAAG	CAATAAATA	ACAAGTATAT	AGGAATATAT	A	-GGAATATATA	GAAATATATA	GAAATAGCT.	AAGCTTAATA	CTAATT
20.Tver06/2012_KP137626	AATAACACAGTTAAG	CAATAAATA	ACAAGTATAT	AGGAATATAT	`A	-GGAATATATA	GAAATATATA	GAAATAGCT.	AAGCTTAATA	CTAATT
21.Kashinskiy09/2012_KP137627	AATAACACAGTTAAG	CAATAAATA	ACAAGTATAT	AGGAATATAT	A	-GGAATATATA	GAAATATATA	GAAATAGCT.	AAGCTTAATA	CTAATT
22.Tula06/2012_KP137625	AATAACACAGTTAAG									
23.Ukr12/Zapo_KJ620037	AATAACACAGTTAAG	CAATAAATA	ACAAGTATAT	AGGAATATAI	AGGAATATAT	AGGAATATATA	GAAATATATA	GAAATAGCT.	AAGCTTAATA(CTAATT
24.Tula_06/13_KP137641	AATAACACAGTTAAG									
25.Smolensk_06/13_KP137632	AATAACACAGTTAAG									
26.Moscow_07/13_KP137629	AATAACACAGTTAAG									
27.Voroneg_07/13_KP137635	AATAACACAGTTAAG									
28.N.Novgorod_07/13_KP137628	AATAACACAGTTAAG									
29.Tula_08/13_KP137633	AATAACACAGTTAAG									
30.Smolensk_09/13_KP137634	AATAACACAGTTAAG									
31.Bel13/Grodno_KJ620043	AATAACACAGTTAAG									
32.Tula_01/14_KP137644	AATAACACAGTTAAG									
33.Kaluga_01/14_KP137639 34.Volgograd 01/14 KP137637	AATAACACAGTTAAG									
34. Volgograd_01/14_KP13/63/ 35. Tula 02/14 KP137640	AATAACACAGTTAAG									
36.Volgograd 02/14 KP137642	AATAACACAGTTAAG									
37.Bryansk 02/14 KP137638	AATAACACAGTTAAG AATAACACAGTTAAG									
38.Bryansk 05/14 KP137630	AATAACACAGTTAAG									
39.Smolensk 05/14 KP137631	AATAACACAGTTAAG									
40.Belgorod 06/14 KP137636	AATAACACAGTTAAG									
41.Kaluga 08/14 KP137643	AATAACACAGTTAAG									
42.Lt14/1490 KJ620044	AATAACACAGTTAAG									
43.Lt14/1482 KJ620045	AATAACACAGTTAAG									
44.Pol14/Krus KJ620047	AATAACACAGTTAAG									
45.Pol14/Sz KJ620046	AATAACACAGTTAAG									

Technical Appendix Figure. Partial nucleotide alignment of African swine fever virus intergenic regions between I73R and I329L, Russia. -, regions without insertions. Blue indicates isolates without tandem repeat insertions, and red indicates isolates with tandem repeat insertions. Gray shading indicates isolates sequenced in this study. GenBank accession numbers are shown. Sequences in the alignment were from isolates from Poland (Pol14/Sz, Pol14/Krus), Lithuania (Lt14/1490, Lt14/1482), Belarus (Bel13/Grodno), Ukraine (Ukr12/Zap), Armenia (Arm07), Azerbaijan (Az08D, Az08B), Georgia (Georgia_2007/1, Abk07) and Russia (Che07, Ing08, Oren08, NO08/Av, NO08/Ap, Dagestan09, StPet09, Kalmykia09, Rostov09; Tver0511/Torjo, Tver0312/Novo, Tver0312/Torjo, Tver0712/Les, Tver0812/Bolo, Tver06/2012, Kashinskiy09/2012, Tula06/2012, Tula_06/13, Smolensk_06/13, Moscow_07/13, Voroneg_07/13, N.Novgorod_07/13, Tula_08/13, Smolensk_09/13, Tula_01/14, Kaluga_01/14, Volgograd_01/14, Tula_02/14, Volgograd_02/14, Bryansk_02/14, Bryansk_05/14, Smolensk_05/14, Belgorod_06/14, Kaluga_08/14).