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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

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                                          10        20        30        40        50        60        70        80        90       100
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1.Georgia_2007/1_FR682468         AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
2.Abk07_KJ620029                  AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
3.Arm07_KJ620028                  AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
4.Che07_KJ620030                  AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
5.Az08D_KJ620035                  AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
6.Az08B_KJ620036                  AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
7.Ing08_KJ620031                  AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
8.Oren08_KJ620032                 AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
9.NO08/Av_KJ620033                AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
10.NO08/Ap_KJ620034               AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
11.Dagestan09_KJ620048            AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
12.StPet09_KJ620050               AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
13.Kalmykia09_KJ620049            AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
14.Rostov09_KJ620051              AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
15.Tver0511/Torjo_KJ620038        AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
16.Tver0312/Torjo_KJ620041        AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
17.Tver0312/Novo_KJ620042         AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
18.Tver0712/Les_KJ620040          AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
19.Tver0812/Bolo_KJ620039         AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
20.Tver06/2012_KP137626           AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
21.Kashinskiy09/2012_KP137627     AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
22.Tula06/2012_KP137625           AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
23.Ukr12/Zapo_KJ620037            AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
24.Tula_06/13_KP137641            AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
25.Smolensk_06/13_KP137632        AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
26.Moscow_07/13_KP137629          AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
27.Voroneg_07/13_KP137635         AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
28.N.Novgorod_07/13_KP137628      AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
29.Tula_08/13_KP137633            AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
30.Smolensk_09/13_KP137634        AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
31.Bel13/Grodno_KJ620043          AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
32.Tula_01/14_KP137644            AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
33.Kaluga_01/14_KP137639          AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
34.Volgograd_01/14_KP137637       AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
35.Tula_02/14_KP137640            AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
36.Volgograd_02/14_KP137642       AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
37.Bryansk_02/14_KP137638         AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
38.Bryansk_05/14_KP137630         AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
39.Smolensk_05/14_KP137631        AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATA----------GGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
40.Belgorod_06/14_KP137636        AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
41.Kaluga_08/14_KP137643          AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
42.Lt14/1490_KJ620044             AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
43.Lt14/1482_KJ620045             AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
44.Pol14/Krus_KJ620047            AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
45.Pol14/Sz_KJ620046              AATAACACAGTTAAGCAATAAATAACAAGTATATAGGAATATATAGGAATATATAGGAATATATAGAAATATATAGAAATAGCTAAGCTTAATACTAATT
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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).