

FAO World Reference Laboratory for Foot-and-Mouth Disease (WRLFMD)

Genotyping Report

FMDV serotype: A
Country: Turkey
Year: 2016, 2017
Batch: WRLFMD/2019/00023
No. of sequences: 8
Report date: 23rd May 2019
Report generated by: Nick Knowles
Report checked by: Jemma Wadsworth



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www: <http://www.wrlfmd.org/>

email: reporting@pirbright.ac.uk

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Virus sample name:	TUR/1/2016
Sender reference:	2016-1223 (1)
Location of origin:	Taspinar, Cubuk, Ankara
Country of origin:	Turkey
Date of collection:	04/10/2016
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	26/04/2019
Primers:	FMD-3161F/FMD-4303R
Received for sequencing:	21/05/2019
Created:	23/05/2019
Last updated:	23/05/2019
VIBASys IDs: sample 41733, genome 41734, sequence viba_41735, sequencing info 41736	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_32168	TUR/1218/2016.769	cattle	99.7	0	A	ASIA	G-VII	
viba_32172	TUR/1225/2016.769	cattle	99.2	0	A	ASIA	G-VII	
viba_32148	TUR/305/2015.923	cattle	98.9	0	A	ASIA	G-VII	
viba_41743	TUR/6/2017	cattle	98.9	0	A	ASIA	G-VII	
viba_30930	TUR/1193/2016.731	cattle	98.7	0	A	ASIA	G-VII	
viba_25144	ARM/3/2015	cattle	98.7	0	A	ASIA	G-VII	
viba_32136	TUR/175/2015.712	cattle	98.7	0	A	ASIA	G-VII	
viba_25136	ARM/1/2015	cattle	98.7	0	A	ASIA	G-VII	
viba_32140	TUR/198/2015.808	cattle	98.7	0	A	ASIA	G-VII	
viba_32152	TUR/331/2015.923	cattle	98.6	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	90.0	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.5	0	A	ASIA	G-VII	
viba_336	IRN/1/96	bovine	84.2	1	A	ASIA	Iran-96	
viba_677	IRQ/24/64	bovine	84.2	0	A	ASIA	A22	
viba_682	IRN/2/87	bovine	82.9	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.9	0	A	EURO-SA	A12	
viba_20943	IRN/27/2013	cattle	82.3	0	A	ASIA	Iran-05	SIS-13
viba_13615	IRN/134/2010	cattle	81.9	0	A	ASIA	Iran-05	HER-10
viba_594	IRN/1/2011	bovine	81.9	0	A	ASIA	Iran-05	FAR-11
viba_403	TUR/1/2008	cattle	81.7	0	A	ASIA	Iran-05	ARD-07

Virus sample name:	TUR/1/2017
Sender reference:	2017-13 (3)
Location of origin:	Esmetas, Solhan, Bingol
Country of origin:	Turkey
Date of collection:	02/01/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	26/04/2019
Primers:	FMD-3161F/FMD-4303R
Received for sequencing:	21/05/2019
Created:	23/05/2019
Last updated:	23/05/2019
VIBASys IDs: sample 41737, genome 41738, sequence viba_41739, sequencing info 41740	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_41747	TUR/10/2017	cattle	98.6	0	A	ASIA	G-VII	
viba_25144	ARM/3/2015	cattle	98.3	0	A	ASIA	G-VII	
viba_32136	TUR/175/2015.712	cattle	98.3	0	A	ASIA	G-VII	
viba_25140	ARM/2/2015	cattle	98.3	0	A	ASIA	G-VII	
viba_25136	ARM/1/2015	cattle	98.3	0	A	ASIA	G-VII	
viba_32140	TUR/198/2015.808	cattle	98.3	0	A	ASIA	G-VII	
viba_32152	TUR/331/2015.923	cattle	98.1	0	A	ASIA	G-VII	
viba_32148	TUR/305/2015.923	cattle	98.1	0	A	ASIA	G-VII	
viba_25826	IRN/14/2015	cattle	98.1	0	A	ASIA	G-VII	
viba_25818	IRN/12/2015	cattle	98.1	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_843	SAU/16/95		89.9	0	A	ASIA	G-VII	
viba_864	IND/40/2000	cattle	89.6	0	A	ASIA	G-VII	
viba_336	IRN/1/96	bovine	84.7	1	A	ASIA	Iran-96	
viba_677	IRQ/24/64	bovine	84.3	0	A	ASIA	A22	
viba_20943	IRN/27/2013	cattle	83.1	0	A	ASIA	Iran-05	SIS-13
viba_699	UKG/119/32		82.8	0	A	EURO-SA	A12	
viba_682	IRN/2/87	bovine	82.7	0	A	ASIA	Iran-87	
viba_589	Bangkok/TAI/60		82.7	0	A	ASIA	A15	
viba_308	IRN/9/2011	bovine	82.3	0	A	ASIA	Iran-05	QAZ-11
viba_594	IRN/1/2011	bovine	82.3	0	A	ASIA	Iran-05	FAR-11

Virus sample name:	TUR/6/2017
Sender reference:	2017-310 (8)
Location of origin:	Alaca, Aziziye, Erzurum
Country of origin:	Turkey
Date of collection:	07/08/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	26/04/2019
Primers:	FMD-3161F/FMD-4303R
Received for sequencing:	21/05/2019
Created:	23/05/2019
Last updated:	23/05/2019
VIBASys IDs: sample 41741, genome 41742, sequence viba_41743, sequencing info 41744	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_41735	TUR/1/2016	cattle	98.9	0	A	ASIA	G-VII	
viba_32168	TUR/1218/2016.769	cattle	98.9	0	A	ASIA	G-VII	
viba_41751	TUR/11/2017	cattle	98.6	0	A	ASIA	G-VII	
viba_32172	TUR/1225/2016.769	cattle	98.4	0	A	ASIA	G-VII	
viba_32148	TUR/305/2015.923	cattle	98.1	0	A	ASIA	G-VII	
viba_30930	TUR/1193/2016.731	cattle	97.9	0	A	ASIA	G-VII	
viba_25144	ARM/3/2015	cattle	97.9	0	A	ASIA	G-VII	
viba_32136	TUR/175/2015.712	cattle	97.9	0	A	ASIA	G-VII	
viba_25136	ARM/1/2015	cattle	97.9	0	A	ASIA	G-VII	
viba_32140	TUR/198/2015.808	cattle	97.9	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	89.6	0	A	ASIA	G-VII	
viba_843	SAU/16/95		88.8	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	83.7	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	83.6	1	A	ASIA	Iran-96	
viba_699	UKG/119/32		82.5	0	A	EURO-SA	A12	
viba_682	IRN/2/87	bovine	82.1	0	A	ASIA	Iran-87	
viba_20943	IRN/27/2013	cattle	81.6	0	A	ASIA	Iran-05	SIS-13
viba_98	Alem/ARG/81		81.2	0	A	EURO-SA	A81	
viba_589	Bangkok/TAI/60		81.1	0	A	ASIA	A15	
viba_557	IRN/15/2012	bovine	81.1	0	A	ASIA	Iran-05	SIS-12

Virus sample name:	TUR/10/2017
Sender reference:	2017-355 (16)
Location of origin:	Aslanapa, Aslanapa, Kutahya
Country of origin:	Turkey
Date of collection:	28/09/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	27/04/2019
Primers:	FMD-3161F/FMD-4303R
Received for sequencing:	21/05/2019
Created:	23/05/2019
Last updated:	23/05/2019
VIBASys IDs: sample 41745, genome 41746, sequence viba_41747, sequencing info 41748	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_41739	TUR/1/2017	cattle	98.6	0	A	ASIA	G-VII	
viba_25144	ARM/3/2015	cattle	98.1	0	A	ASIA	G-VII	
viba_32136	TUR/175/2015.712	cattle	98.1	0	A	ASIA	G-VII	
viba_25140	ARM/2/2015	cattle	98.1	0	A	ASIA	G-VII	
viba_25136	ARM/1/2015	cattle	98.1	0	A	ASIA	G-VII	
viba_27645	IRN/12/2016	cattle	98.1	0	A	ASIA	G-VII	
viba_32140	TUR/198/2015.808	cattle	98.1	0	A	ASIA	G-VII	
viba_32152	TUR/331/2015.923	cattle	97.9	0	A	ASIA	G-VII	
viba_32148	TUR/305/2015.923	cattle	97.9	0	A	ASIA	G-VII	
viba_25826	IRN/14/2015	cattle	97.9	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	90.0	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.9	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	84.9	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	84.5	1	A	ASIA	Iran-96	
viba_699	UKG/119/32		82.9	0	A	EURO-SA	A12	
viba_682	IRN/2/87	bovine	82.8	0	A	ASIA	Iran-87	
viba_403	TUR/1/2008	cattle	82.1	0	A	ASIA	Iran-05	ARD-07
viba_20943	IRN/27/2013	cattle	82.1	0	A	ASIA	Iran-05	SIS-13
viba_589	Bangkok/TAI/60		82.0	0	A	ASIA	A15	
viba_308	IRN/9/2011	bovine	81.8	0	A	ASIA	Iran-05	QAZ-11

Virus sample name:	TUR/11/2017
Sender reference:	2017-363 (15)
Location of origin:	Dortyol, Akcaabet, Trabzon
Country of origin:	Turkey
Date of collection:	02/10/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	27/04/2019
Primers:	FMD-3161F/FMD-4303R
Received for sequencing:	21/05/2019
Created:	23/05/2019
Last updated:	23/05/2019
VIBASys IDs: sample 41749, genome 41750, sequence viba_41751, sequencing info 41752	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_41743	TUR/6/2017	cattle	98.6	0	A	ASIA	G-VII	
viba_41735	TUR/1/2016	cattle	97.8	0	A	ASIA	G-VII	
viba_32168	TUR/1218/2016.769	cattle	97.8	0	A	ASIA	G-VII	
viba_32172	TUR/1225/2016.769	cattle	97.6	0	A	ASIA	G-VII	
viba_25140	ARM/2/2015	cattle	97.3	0	A	ASIA	G-VII	
viba_30930	TUR/1193/2016.731	cattle	97.2	0	A	ASIA	G-VII	
viba_25144	ARM/3/2015	cattle	97.2	0	A	ASIA	G-VII	
viba_32136	TUR/175/2015.712	cattle	97.2	0	A	ASIA	G-VII	
viba_25136	ARM/1/2015	cattle	97.2	0	A	ASIA	G-VII	
viba_32140	TUR/198/2015.808	cattle	97.2	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	89.0	0	A	ASIA	G-VII	
viba_843	SAU/16/95		88.8	0	A	ASIA	G-VII	
viba_336	IRN/1/96	bovine	84.1	1	A	ASIA	Iran-96	
viba_677	IRQ/24/64	bovine	84.0	0	A	ASIA	A22	
viba_682	IRN/2/87	bovine	83.5	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		81.7	0	A	EURO-SA	A12	
viba_98	Alem/ARG/81		81.2	0	A	EURO-SA	A81	
viba_589	Bangkok/TAI/60		81.1	0	A	ASIA	A15	
viba_557	IRN/15/2012	bovine	81.1	0	A	ASIA	Iran-05	SIS-12
viba_20943	IRN/27/2013	cattle	81.0	0	A	ASIA	Iran-05	SIS-13

Virus sample name:	TUR/12/2017
Sender reference:	2017-381 (13)
Location of origin:	Yenirami, Soke, Aydin
Country of origin:	Turkey
Date of collection:	20/10/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	27/04/2019
Primers:	FMD-3161F/FMD-4303R
Received for sequencing:	21/05/2019
Created:	23/05/2019
Last updated:	23/05/2019
VIBASys IDs: sample 41753, genome 41754, sequence viba_41755, sequencing info 41756	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_41759	TUR/13/2017	cattle	100.0	0	A	ASIA	G-VII	
viba_34051	TUR/265/2017.481		98.7	2	A	ASIA	G-VII	
viba_32160	TUR/1008/2016.500	cattle	97.9	0	A	ASIA	G-VII	
viba_25144	ARM/3/2015	cattle	97.9	0	A	ASIA	G-VII	
viba_32136	TUR/175/2015.712	cattle	97.9	0	A	ASIA	G-VII	
viba_25136	ARM/1/2015	cattle	97.9	0	A	ASIA	G-VII	
viba_32140	TUR/198/2015.808	cattle	97.9	0	A	ASIA	G-VII	
viba_32152	TUR/331/2015.923	cattle	97.8	0	A	ASIA	G-VII	
viba_32148	TUR/305/2015.923	cattle	97.8	0	A	ASIA	G-VII	
viba_25826	IRN/14/2015	cattle	97.8	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	91.0	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.9	0	A	ASIA	G-VII	
viba_336	IRN/1/96	bovine	85.0	1	A	ASIA	Iran-96	
viba_677	IRQ/24/64	bovine	84.3	0	A	ASIA	A22	
viba_682	IRN/2/87	bovine	83.3	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.8	0	A	EURO-SA	A12	
viba_34575	BAD/AFG/L2814/2009	cattle	82.5	0	A	ASIA	Iran-05	BAD-09
viba_20943	IRN/27/2013	cattle	82.1	0	A	ASIA	Iran-05	SIS-13
viba_319	BAR/6/2008	bovine	82.1	0	A	ASIA	Iran-05	BAR-08
viba_414	AFG/6/2007	bovine	82.0	0	A	ASIA	Iran-05	AFG-07

Virus sample name:	TUR/13/2017
Sender reference:	2017-381 (7)
Location of origin:	Yenirami, Soke, Aydin
Country of origin:	Turkey
Date of collection:	20/10/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	27/04/2019
Primers:	FMD-3161F/FMD-4303R
Received for sequencing:	21/05/2019
Created:	23/05/2019
Last updated:	23/05/2019
VIBASys IDs: sample 41757, genome 41758, sequence viba_41759, sequencing info 41760	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_41755	TUR/12/2017	cattle	100.0	0	A	ASIA	G-VII	
viba_34051	TUR/265/2017.481		98.7	2	A	ASIA	G-VII	
viba_32160	TUR/1008/2016.500	cattle	97.9	0	A	ASIA	G-VII	
viba_25144	ARM/3/2015	cattle	97.9	0	A	ASIA	G-VII	
viba_32136	TUR/175/2015.712	cattle	97.9	0	A	ASIA	G-VII	
viba_25136	ARM/1/2015	cattle	97.9	0	A	ASIA	G-VII	
viba_32140	TUR/198/2015.808	cattle	97.9	0	A	ASIA	G-VII	
viba_32152	TUR/331/2015.923	cattle	97.8	0	A	ASIA	G-VII	
viba_32148	TUR/305/2015.923	cattle	97.8	0	A	ASIA	G-VII	
viba_25826	IRN/14/2015	cattle	97.8	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	91.0	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.9	0	A	ASIA	G-VII	
viba_336	IRN/1/96	bovine	85.0	1	A	ASIA	Iran-96	
viba_677	IRQ/24/64	bovine	84.3	0	A	ASIA	A22	
viba_682	IRN/2/87	bovine	83.3	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.8	0	A	EURO-SA	A12	
viba_34575	BAD/AFG/L2814/2009	cattle	82.5	0	A	ASIA	Iran-05	BAD-09
viba_20943	IRN/27/2013	cattle	82.1	0	A	ASIA	Iran-05	SIS-13
viba_319	BAR/6/2008	bovine	82.1	0	A	ASIA	Iran-05	BAR-08
viba_414	AFG/6/2007	bovine	82.0	0	A	ASIA	Iran-05	AFG-07

Virus sample name:	TUR/16/2017
Sender reference:	2017-385 (12)
Location of origin:	Citgol, Simav, Kutahya
Country of origin:	Turkey
Date of collection:	24/10/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	BTy1
Harvest date of material:	28/04/2019
Primers:	FMD-3161F/FMD-4303R
Received for sequencing:	21/05/2019
Created:	23/05/2019
Last updated:	23/05/2019
VIBASys IDs: sample 41761, genome 41762, sequence viba_41763, sequencing info 41764	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_41735	TUR/1/2016	cattle	97.6	0	A	ASIA	G-VII	
viba_32168	TUR/1218/2016.769	cattle	97.6	0	A	ASIA	G-VII	
viba_25140	ARM/2/2015	cattle	97.5	0	A	ASIA	G-VII	
viba_32172	TUR/1225/2016.769	cattle	97.5	0	A	ASIA	G-VII	
viba_32160	TUR/1008/2016.500	cattle	97.3	0	A	ASIA	G-VII	
viba_25144	ARM/3/2015	cattle	97.3	0	A	ASIA	G-VII	
viba_32136	TUR/175/2015.712	cattle	97.3	0	A	ASIA	G-VII	
viba_25136	ARM/1/2015	cattle	97.3	0	A	ASIA	G-VII	
viba_32140	TUR/198/2015.808	cattle	97.3	0	A	ASIA	G-VII	
viba_32152	TUR/331/2015.923	cattle	97.2	0	A	ASIA	G-VII	

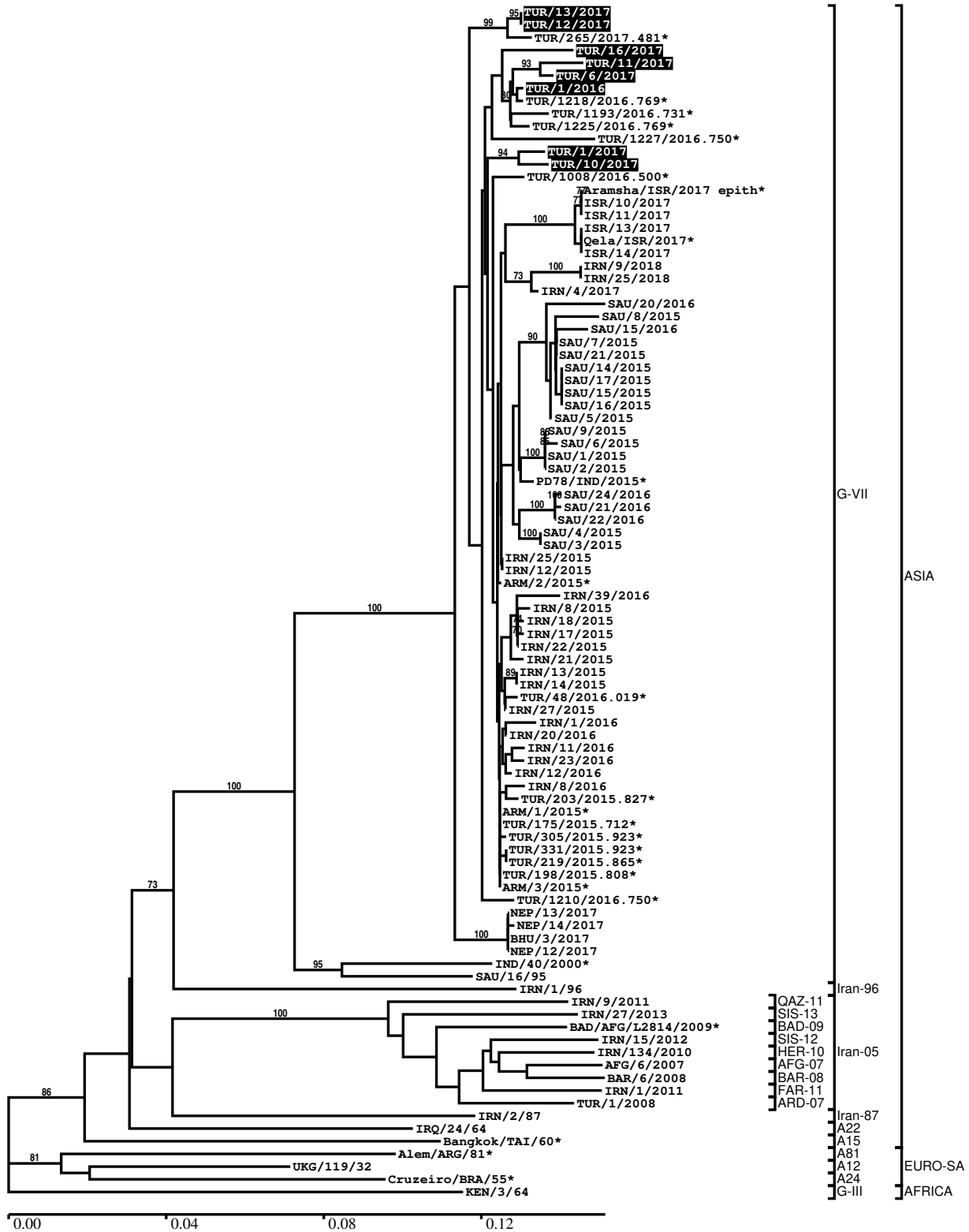
Most Closely Related Prototype Sequences

see http://www.wrlfmd.org/fmd_genotyping/prototypes.htm

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	89.8	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.6	0	A	ASIA	G-VII	
viba_336	IRN/1/96	bovine	84.4	1	A	ASIA	Iran-96	
viba_677	IRQ/24/64	bovine	83.5	0	A	ASIA	A22	
viba_682	IRN/2/87	bovine	83.3	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		81.9	0	A	EURO-SA	A12	
viba_589	Bangkok/TAI/60		81.6	0	A	ASIA	A15	
viba_403	TUR/1/2008	cattle	81.1	0	A	ASIA	Iran-05	ARD-07
viba_414	AFG/6/2007	bovine	81.1	0	A	ASIA	Iran-05	AFG-07
viba_98	Alem/ARG/81		80.9	0	A	EURO-SA	A81	

Report on FMDV A in Turkey in 2016, 2017

Batch: WRLFMD/2019/00023



*, not a WRLFMD Reference Number

Analysis Parameters

VP1 subsequence extractor:	vp1_A
Query sequence set:	WRLFMD/2019/00023-Turkey-A (8 sequences)
Sequence database set:	allseqs_A (2025 sequences)
Prototype sequence set:	!prototypes_A (40 sequences)
Number of related sequences reported:	10
Minimal VP1 subsequence match length	600
Sequence alignment method:	muscle (default parameters)
Sequence alignment length:	633
Phylogeny reconstruction method:	fdnadist, fneighbor
Number of bootstrap samples:	1000
Random seed for bootstrapping:	1
Displaying bootstrap values above:	70.0%
Number of sequences in tree capped at:	100
Number of prototype sequences in tree:	17
VIBASys version:	reflabs-1.1.2

Sequences in the Phylogenetic Tree

All sequences in the tree are in taxonomic group FMDV/A

label	accession	host(s)	lab	country	taxonomic information
TUR/13/2017	n/a	cattle	WRLFMD	Turkey	ASIA/G-VII
TUR/12/2017	n/a	cattle	WRLFMD	Turkey	ASIA/G-VII
TUR/265/2017.481*	n/a	n/a	FMDI	Turkey	ASIA/G-VII
TUR/16/2017	n/a	cattle	WRLFMD	Turkey	ASIA/G-VII
TUR/11/2017	n/a	cattle	WRLFMD	Turkey	ASIA/G-VII
TUR/6/2017	n/a	cattle	WRLFMD	Turkey	ASIA/G-VII
TUR/1/2016	n/a	cattle	WRLFMD	Turkey	ASIA/G-VII
TUR/1218/2016.769*	KY982331	cattle	FMDI	Turkey	ASIA/G-VII
TUR/1193/2016.731*	KY982329	cattle	FMDI	Turkey	ASIA/G-VII
TUR/1225/2016.769*	KY982332	cattle	FMDI	Turkey	ASIA/G-VII
TUR/1227/2016.750*	KY982333	cattle	FMDI	Turkey	ASIA/G-VII
TUR/1/2017	n/a	cattle	WRLFMD	Turkey	ASIA/G-VII
TUR/10/2017	n/a	cattle	WRLFMD	Turkey	ASIA/G-VII
TUR/1008/2016.500*	KY982328	cattle	FMDI	Turkey	ASIA/G-VII
Aramsha/ISR/2017 epith*	n/a	cattle	KVI	Israel	ASIA/G-VII
ISR/10/2017	n/a	cattle	WRLFMD	Israel	ASIA/G-VII
ISR/11/2017	n/a	cattle	WRLFMD	Israel	ASIA/G-VII
ISR/13/2017	n/a	cattle	WRLFMD	Israel	ASIA/G-VII
Qela/ISR/2017*	n/a	cattle	KVI	Israel	ASIA/G-VII
ISR/14/2017	n/a	cattle	WRLFMD	Israel	ASIA/G-VII
IRN/9/2018	n/a	cattle	WRLFMD	Iran	ASIA/G-VII
IRN/25/2018	n/a	cattle	WRLFMD	Iran	ASIA/G-VII
IRN/4/2017	n/a	cattle	WRLFMD	Iran	ASIA/G-VII
SAU/20/2016	KY982313	cattle	WRLFMD	Saudi Arabia	ASIA/G-VII
SAU/8/2015	KY982304	cattle	WRLFMD	Saudi Arabia	ASIA/G-VII
SAU/15/2016	KY982311	cattle	WRLFMD	Saudi Arabia	ASIA/G-VII
SAU/7/2015	KY982303	cattle	WRLFMD	Saudi Arabia	ASIA/G-VII
SAU/21/2015	KY982310	bovine	WRLFMD	Saudi Arabia	ASIA/G-VII
SAU/14/2015	KY982306	ovine	WRLFMD	Saudi Arabia	ASIA/G-VII
SAU/17/2015	KY982309	ovine	WRLFMD	Saudi Arabia	ASIA/G-VII
SAU/15/2015	KY982307	ovine	WRLFMD	Saudi Arabia	ASIA/G-VII
SAU/16/2015	KY982308	ovine	WRLFMD	Saudi Arabia	ASIA/G-VII
SAU/5/2015	KY982301	cattle	WRLFMD	Saudi Arabia	ASIA/G-VII
SAU/9/2015	KY982305	bovine	WRLFMD	Saudi Arabia	ASIA/G-VII
SAU/6/2015	KY982302	cattle	WRLFMD	Saudi Arabia	ASIA/G-VII
SAU/1/2015	KU127247	cattle	WRLFMD	Saudi Arabia	ASIA/G-VII

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label	accession	host(s)	lab	country	taxonomic information
SAU/2/2015	KY982298	cattle	WRLFMD	Saudi Arabia	ASIA/G-VII
PD78/IND/2015*	KY780958	cattle	PD-FMD	India	ASIA/G-VII
SAU/24/2016	KY982316	cattle	WRLFMD	Saudi Arabia	ASIA/G-VII
SAU/21/2016	KY982314	cattle	WRLFMD	Saudi Arabia	ASIA/G-VII
SAU/22/2016	KY982315	cattle	WRLFMD	Saudi Arabia	ASIA/G-VII
SAU/4/2015	KY982300	cattle	WRLFMD	Saudi Arabia	ASIA/G-VII
SAU/3/2015	KY982299	cattle	WRLFMD	Saudi Arabia	ASIA/G-VII
IRN/25/2015	KY982290	cattle	WRLFMD	Iran	ASIA/G-VII
IRN/12/2015	KY982283	cattle	WRLFMD	Iran	ASIA/G-VII
ARM/2/2015*	KY982280	cattle	ARRIAH	Armenia	ASIA/G-VII
IRN/39/2016	n/a	cattle	WRLFMD	Iran	ASIA/G-VII
IRN/8/2015	KY982282	cattle	WRLFMD	Iran	ASIA/G-VII
IRN/18/2015	KY982287	cattle	WRLFMD	Iran	ASIA/G-VII
IRN/17/2015	KY982286	cattle	WRLFMD	Iran	ASIA/G-VII
IRN/22/2015	KY982289	cattle	WRLFMD	Iran	ASIA/G-VII
IRN/21/2015	KY982288	cattle	WRLFMD	Iran	ASIA/G-VII
IRN/13/2015	KY982284	cattle	WRLFMD	Iran	ASIA/G-VII
IRN/14/2015	KY982285	cattle	WRLFMD	Iran	ASIA/G-VII
TUR/48/2016.019*	KY982327	sheep	FMDI	Turkey	ASIA/G-VII
IRN/27/2015	KY982291	cattle	WRLFMD	Iran	ASIA/G-VII
IRN/1/2016	KY982292	cattle	WRLFMD	Iran	ASIA/G-VII
IRN/20/2016	KY982296	cattle	WRLFMD	Iran	ASIA/G-VII
IRN/11/2016	KY982294	cattle	WRLFMD	Iran	ASIA/G-VII
IRN/23/2016	KY982297	cattle	WRLFMD	Iran	ASIA/G-VII
IRN/12/2016	KY982295	cattle	WRLFMD	Iran	ASIA/G-VII
IRN/8/2016	KY982293	cattle	WRLFMD	Iran	ASIA/G-VII
TUR/203/2015.827*	KY982323	cattle	FMDI	Turkey	ASIA/G-VII
ARM/1/2015*	KY982279	cattle	ARRIAH	Armenia	ASIA/G-VII
TUR/175/2015.712*	KY982321	cattle	FMDI	Turkey	ASIA/G-VII
TUR/305/2015.923*	KY982325	cattle	FMDI	Turkey	ASIA/G-VII
TUR/331/2015.923*	KY982326	cattle	FMDI	Turkey	ASIA/G-VII
TUR/219/2015.865*	KY982324	cattle	FMDI	Turkey	ASIA/G-VII
TUR/198/2015.808*	KY982322	cattle	FMDI	Turkey	ASIA/G-VII
ARM/3/2015*	KY982281	cattle	ARRIAH	Armenia	ASIA/G-VII
TUR/1210/2016.750*	KY982330	cattle	FMDI	Turkey	ASIA/G-VII
NEP/13/2017	n/a	cattle	WRLFMD	Nepal	ASIA/G-VII
NEP/14/2017	n/a	cattle	WRLFMD	Nepal	ASIA/G-VII
BHU/3/2017	n/a	cattle	WRLFMD	Bhutan	ASIA/G-VII
NEP/12/2017	n/a	cattle	WRLFMD	Nepal	ASIA/G-VII
IND/40/2000*	AF390646	cattle	PD-FMD	India	ASIA/G-VII
SAU/16/95	EU553874	n/a	WRLFMD	Saudi Arabia	ASIA/G-VII
IRN/1/96	EF208771	bovine	WRLFMD	Iran	ASIA/Iran-96
IRN/9/2011	KY091295	bovine	WRLFMD	Iran	ASIA/Iran-05/QAZ-11
IRN/27/2013	n/a	cattle	WRLFMD	Iran	ASIA/Iran-05/SIS-13
BAD/AFG/L2814/2009*	HQ439296	cattle	LINDHOLM	Afghanistan	ASIA/Iran-05/BAD-09
IRN/15/2012	KY091297	bovine	WRLFMD	Iran	ASIA/Iran-05/SIS-12
IRN/134/2010	n/a	cattle	WRLFMD	Iran	ASIA/Iran-05/HER-10
AFG/6/2007	FJ755007	bovine	WRLFMD	Afghanistan	ASIA/Iran-05/AFG-07
BAR/6/2008	FJ755010	bovine	WRLFMD	Bahrain	ASIA/Iran-05/BAR-08
IRN/1/2011	KY091292	bovine	WRLFMD	Iran	ASIA/Iran-05/FAR-11
TUR/1/2008	FJ755133	cattle	WRLFMD	Turkey	ASIA/Iran-05/ARD-07
IRN/2/87	EF208770	bovine	WRLFMD	Iran	ASIA/Iran-87
IRQ/24/64	AY593763	bovine	PIADC	Iraq	ASIA/A22
Bangkok/TAI/60*	AY593755	n/a	PIADC	Thailand	ASIA/A15
Alem/ARG/81*	AJ306219	n/a	INTA-Argentina	Argentina	EURO-SA/A81
UKG/119/32	M10975	n/a	PIADC	United Kingdom	EURO-SA/A12
Cruzeiro/BRA/55*	AY593768	bovine	PIADC	Brazil	EURO-SA/A24
KEN/3/64	AY593761	n/a	PIADC	Kenya	AFRICA/G-III

*, not a WRLFMD Reference Number

n/a, not available