

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

Genotyping Report

FMDV serotype: A
Country: Turkey
Year: 2017
Batch: WRLMEG/2020/00025
No. of sequences: 30
Report date: 24th August 2020
Report generated by: Nick Knowles
Report checked by: Antonello Di Nardo



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

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Virus sample name:	TUR/15/2017.019
Sender reference:	A/TUR/15/2017.019
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	06/01/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45320, genome 45321, sequence viba_45322, sequencing info 45323	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45438	TUR/17 vaccine	cattle	100.0	0	A	ASIA	G-VII	
viba_45326	TUR/16/2017.019	cattle	99.8	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	99.8	0	A	ASIA	G-VII	
viba_45366	TUR/180/2017.192	cattle	99.8	0	A	ASIA	G-VII	
viba_45330	TUR/37/2017.038	cattle	99.7	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.7	0	A	ASIA	G-VII	
viba_45313	TUR/1392/2016.999	cattle	99.7	0	A	ASIA	G-VII	
viba_45382	TUR/236/2017.346	cattle	99.7	0	A	ASIA	G-VII	
viba_45305	TUR/1320/2016.885	cattle	99.7	0	A	ASIA	G-VII	
viba_45370	TUR/207/2017.192	cattle	99.5	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	89.9	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.3	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	84.0	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	83.9	1	A	ASIA	Iran-96	
viba_682	IRN/2/87	bovine	83.4	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.1	0	A	EURO-SA	A12	
viba_20943	IRN/27/2013	cattle	81.6	0	A	ASIA	Iran-05	SIS-13
viba_557	IRN/15/2012	bovine	81.4	0	A	ASIA	Iran-05	SIS-12
viba_594	IRN/1/2011	bovine	81.2	0	A	ASIA	Iran-05	FAR-11
viba_403	TUR/1/2008	cattle	81.2	0	A	ASIA	Iran-05	ARD-07

Virus sample name:	TUR/16/2017.019
Sender reference:	A/TUR/16/2017.019
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	06/01/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020

VIBASys IDs: sample 45324, genome 45325, sequence viba_45326, sequencing info 45327

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45438	TUR/17 vaccine	cattle	99.8	0	A	ASIA	G-VII	
viba_45322	TUR/15/2017.019	cattle	99.8	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	99.7	0	A	ASIA	G-VII	
viba_45366	TUR/180/2017.192	cattle	99.7	0	A	ASIA	G-VII	
viba_45330	TUR/37/2017.038	cattle	99.5	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.5	0	A	ASIA	G-VII	
viba_45313	TUR/1392/2016.999	cattle	99.5	0	A	ASIA	G-VII	
viba_45382	TUR/236/2017.346	cattle	99.5	0	A	ASIA	G-VII	
viba_45305	TUR/1320/2016.885	cattle	99.5	0	A	ASIA	G-VII	
viba_45370	TUR/207/2017.192	cattle	99.4	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

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		89.2	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	84.0	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	83.8	1	A	ASIA	Iran-96	
viba_682	IRN/2/87	bovine	83.2	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.1	0	A	EURO-SA	A12	
viba_20943	IRN/27/2013	cattle	81.4	0	A	ASIA	Iran-05	SIS-13
viba_557	IRN/15/2012	bovine	81.3	0	A	ASIA	Iran-05	SIS-12
viba_589	Bangkok/TAI/60		81.2	0	A	ASIA	A15	
viba_13615	IRN/134/2010	cattle	81.1	0	A	ASIA	Iran-05	HER-10

Virus sample name:	TUR/37/2017.038
Sender reference:	A/TUR/37/2017.038
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	13/01/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020

VIBASys IDs: sample 45328, genome 45329, sequence viba_45330, sequencing info 45331

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45338	TUR/73/2017.077	cattle	100.0	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	99.8	0	A	ASIA	G-VII	
viba_45370	TUR/207/2017.192	cattle	99.8	0	A	ASIA	G-VII	
viba_45362	TUR/169/2017.192	cattle	99.8	0	A	ASIA	G-VII	
viba_45358	TUR/166/2017.192	cattle	99.8	0	A	ASIA	G-VII	
viba_45354	TUR/148/2017.154	cattle	99.7	0	A	ASIA	G-VII	
viba_45438	TUR/17 vaccine	cattle	99.7	0	A	ASIA	G-VII	
viba_45334	TUR/46/2017.058	cattle	99.7	0	A	ASIA	G-VII	
viba_45374	TUR/210/2017.250	cattle	99.7	0	A	ASIA	G-VII	
viba_45322	TUR/15/2017.019	cattle	99.7	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	89.9	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.3	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	84.0	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	83.9	1	A	ASIA	Iran-96	
viba_682	IRN/2/87	bovine	83.4	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.1	0	A	EURO-SA	A12	
viba_20943	IRN/27/2013	cattle	81.6	0	A	ASIA	Iran-05	SIS-13
viba_557	IRN/15/2012	bovine	81.4	0	A	ASIA	Iran-05	SIS-12
viba_98	Alem/ARG/81		81.3	0	A	EURO-SA	A81	
viba_594	IRN/1/2011	bovine	81.2	0	A	ASIA	Iran-05	FAR-11

Virus sample name:	TUR/46/2017.058
Sender reference:	A/TUR/46/2017.058
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	21/01/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45332, genome 45333, sequence viba_45334, sequencing info 45335	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45330	TUR/37/2017.038	cattle	99.7	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.7	0	A	ASIA	G-VII	
viba_45374	TUR/210/2017.250	cattle	99.7	0	A	ASIA	G-VII	
viba_45305	TUR/1320/2016.885	cattle	99.7	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	99.5	0	A	ASIA	G-VII	
viba_45370	TUR/207/2017.192	cattle	99.5	0	A	ASIA	G-VII	
viba_45362	TUR/169/2017.192	cattle	99.5	0	A	ASIA	G-VII	
viba_45358	TUR/166/2017.192	cattle	99.5	0	A	ASIA	G-VII	
viba_45354	TUR/148/2017.154	cattle	99.4	0	A	ASIA	G-VII	
viba_45438	TUR/17 vaccine	cattle	99.4	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	89.7	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.0	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	83.8	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	83.6	1	A	ASIA	Iran-96	
viba_682	IRN/2/87	bovine	83.5	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.0	0	A	EURO-SA	A12	
viba_20943	IRN/27/2013	cattle	81.4	0	A	ASIA	Iran-05	SIS-13
viba_557	IRN/15/2012	bovine	81.3	0	A	ASIA	Iran-05	SIS-12
viba_98	Alem/ARG/81		81.1	0	A	EURO-SA	A81	
viba_13615	IRN/134/2010	cattle	81.1	0	A	ASIA	Iran-05	HER-10

Virus sample name:	TUR/73/2017.077
Sender reference:	A/TUR/73/2017.077
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	28/01/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020

VIBASys IDs: sample 45336, genome 45337, sequence viba_45338, sequencing info 45339

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45330	TUR/37/2017.038	cattle	100.0	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	99.8	0	A	ASIA	G-VII	
viba_45370	TUR/207/2017.192	cattle	99.8	0	A	ASIA	G-VII	
viba_45362	TUR/169/2017.192	cattle	99.8	0	A	ASIA	G-VII	
viba_45358	TUR/166/2017.192	cattle	99.8	0	A	ASIA	G-VII	
viba_45354	TUR/148/2017.154	cattle	99.7	0	A	ASIA	G-VII	
viba_45438	TUR/17 vaccine	cattle	99.7	0	A	ASIA	G-VII	
viba_45334	TUR/46/2017.058	cattle	99.7	0	A	ASIA	G-VII	
viba_45374	TUR/210/2017.250	cattle	99.7	0	A	ASIA	G-VII	
viba_45322	TUR/15/2017.019	cattle	99.7	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	89.9	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.3	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	84.0	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	83.9	1	A	ASIA	Iran-96	
viba_682	IRN/2/87	bovine	83.4	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.1	0	A	EURO-SA	A12	
viba_20943	IRN/27/2013	cattle	81.6	0	A	ASIA	Iran-05	SIS-13
viba_557	IRN/15/2012	bovine	81.4	0	A	ASIA	Iran-05	SIS-12
viba_98	Alem/ARG/81		81.3	0	A	EURO-SA	A81	
viba_594	IRN/1/2011	bovine	81.2	0	A	ASIA	Iran-05	FAR-11

Virus sample name:	TUR/75/2017.096
Sender reference:	A/TUR/75/2017.096
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	04/02/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45340, genome 45341, sequence viba_45342, sequencing info 45343	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45410	TUR/321/2017.692	cattle	99.1	0	A	ASIA	G-VII	
viba_45418	TUR/375/2017.788	cattle	98.9	0	A	ASIA	G-VII	
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_45285	TUR/1222/2016.769	cattle	98.9	0	A	ASIA	G-VII	
viba_45430	TUR/385/2017.827	cattle	98.7	0	A	ASIA	G-VII	
viba_41763	TUR/16/2017	cattle	98.7	0	A	ASIA	G-VII	
viba_32172	TUR/1225/2016.769	cattle	98.7	0	A	ASIA	G-VII	
viba_45390	TUR/257/2017.462	cattle	98.7	0	A	ASIA	G-VII	
viba_45264	TUR/15 vaccine	cattle	98.7	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

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_336	IRN/1/96	bovine	84.7	1	A	ASIA	Iran-96	
viba_677	IRQ/24/64	bovine	84.0	0	A	ASIA	A22	
viba_682	IRN/2/87	bovine	83.7	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.5	0	A	EURO-SA	A12	
viba_589	Bangkok/TAI/60		82.2	0	A	ASIA	A15	
viba_557	IRN/15/2012	bovine	81.8	0	A	ASIA	Iran-05	SIS-12
viba_403	TUR/1/2008	cattle	81.7	0	A	ASIA	Iran-05	ARD-07
viba_20943	IRN/27/2013	cattle	81.6	0	A	ASIA	Iran-05	SIS-13

Virus sample name:	TUR/90/2017.096
Sender reference:	A/TUR/90/2017.096
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	04/02/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45344, genome 45345, sequence viba_45346, sequencing info 45347	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45438	TUR/17 vaccine	cattle	99.8	0	A	ASIA	G-VII	
viba_45330	TUR/37/2017.038	cattle	99.8	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.8	0	A	ASIA	G-VII	
viba_45322	TUR/15/2017.019	cattle	99.8	0	A	ASIA	G-VII	
viba_45305	TUR/1320/2016.885	cattle	99.8	0	A	ASIA	G-VII	
viba_45326	TUR/16/2017.019	cattle	99.7	0	A	ASIA	G-VII	
viba_45370	TUR/207/2017.192	cattle	99.7	0	A	ASIA	G-VII	
viba_45366	TUR/180/2017.192	cattle	99.7	0	A	ASIA	G-VII	
viba_45362	TUR/169/2017.192	cattle	99.7	0	A	ASIA	G-VII	
viba_45358	TUR/166/2017.192	cattle	99.7	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

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		89.2	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	83.8	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	83.8	1	A	ASIA	Iran-96	
viba_682	IRN/2/87	bovine	83.2	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.0	0	A	EURO-SA	A12	
viba_20943	IRN/27/2013	cattle	81.4	0	A	ASIA	Iran-05	SIS-13
viba_557	IRN/15/2012	bovine	81.3	0	A	ASIA	Iran-05	SIS-12
viba_98	Alem/ARG/81		81.1	0	A	EURO-SA	A81	
viba_13615	IRN/134/2010	cattle	81.1	0	A	ASIA	Iran-05	HER-10

Virus sample name:	TUR/107/2017.115
Sender reference:	A/TUR/107/2017.115
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	10/02/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45348, genome 45349, sequence viba_45350, sequencing info 45351	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_41735	TUR/1/2016	cattle	98.4	0	A	ASIA	G-VII	
viba_32168	TUR/1218/2016.769	cattle	98.4	0	A	ASIA	G-VII	
viba_45285	TUR/1222/2016.769	cattle	98.4	0	A	ASIA	G-VII	
viba_45260	TUR/657/2015.981	cattle	98.3	0	A	ASIA	G-VII	
viba_25140	ARM/2/2015	cattle	98.3	0	A	ASIA	G-VII	
viba_45264	TUR/15 vaccine	cattle	98.3	0	A	ASIA	G-VII	
viba_32148	TUR/305/2015.923	cattle	98.3	0	A	ASIA	G-VII	
viba_25136	ARM/1/2015	cattle	98.1	0	A	ASIA	G-VII	
viba_45220	TUR/214/2015.865	cattle	98.1	0	A	ASIA	G-VII	
viba_45236	TUR/267/2015.904	cattle	98.1	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	90.1	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.5	0	A	ASIA	G-VII	
viba_336	IRN/1/96	bovine	84.9	1	A	ASIA	Iran-96	
viba_677	IRQ/24/64	bovine	84.8	0	A	ASIA	A22	
viba_682	IRN/2/87	bovine	84.0	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		83.1	0	A	EURO-SA	A12	
viba_589	Bangkok/TAI/60		82.7	0	A	ASIA	A15	
viba_403	TUR/1/2008	cattle	82.3	0	A	ASIA	Iran-05	ARD-07
viba_308	IRN/9/2011	bovine	82.3	0	A	ASIA	Iran-05	QAZ-11
viba_20943	IRN/27/2013	cattle	82.3	0	A	ASIA	Iran-05	SIS-13

Virus sample name:	TUR/148/2017.154
Sender reference:	A/TUR/148/2017.154
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	25/02/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45352, genome 45353, sequence viba_45354, sequencing info 45355	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45358	TUR/166/2017.192	cattle	99.8	0	A	ASIA	G-VII	
viba_45330	TUR/37/2017.038	cattle	99.7	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.7	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	99.5	0	A	ASIA	G-VII	
viba_45370	TUR/207/2017.192	cattle	99.5	0	A	ASIA	G-VII	
viba_45362	TUR/169/2017.192	cattle	99.5	0	A	ASIA	G-VII	
viba_45438	TUR/17 vaccine	cattle	99.4	0	A	ASIA	G-VII	
viba_45334	TUR/46/2017.058	cattle	99.4	0	A	ASIA	G-VII	
viba_45374	TUR/210/2017.250	cattle	99.4	0	A	ASIA	G-VII	
viba_45322	TUR/15/2017.019	cattle	99.4	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

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		89.0	0	A	ASIA	G-VII	
viba_336	IRN/1/96	bovine	84.3	1	A	ASIA	Iran-96	
viba_677	IRQ/24/64	bovine	83.8	0	A	ASIA	A22	
viba_682	IRN/2/87	bovine	83.2	0	A	ASIA	Iran-87	
viba_98	Alem/ARG/81		81.8	0	A	EURO-SA	A81	
viba_403	TUR/1/2008	cattle	81.3	0	A	ASIA	Iran-05	ARD-07
viba_20943	IRN/27/2013	cattle	81.3	0	A	ASIA	Iran-05	SIS-13
viba_594	IRN/1/2011	bovine	81.2	0	A	ASIA	Iran-05	FAR-11
viba_557	IRN/15/2012	bovine	81.2	0	A	ASIA	Iran-05	SIS-12

Virus sample name:	TUR/166/2017.192
Sender reference:	A/TUR/166/2017.192
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	11/03/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45356, genome 45357, sequence viba_45358, sequencing info 45359	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45354	TUR/148/2017.154	cattle	99.8	0	A	ASIA	G-VII	
viba_45330	TUR/37/2017.038	cattle	99.8	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.8	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	99.7	0	A	ASIA	G-VII	
viba_45370	TUR/207/2017.192	cattle	99.7	0	A	ASIA	G-VII	
viba_45362	TUR/169/2017.192	cattle	99.7	0	A	ASIA	G-VII	
viba_45438	TUR/17 vaccine	cattle	99.5	0	A	ASIA	G-VII	
viba_45334	TUR/46/2017.058	cattle	99.5	0	A	ASIA	G-VII	
viba_45374	TUR/210/2017.250	cattle	99.5	0	A	ASIA	G-VII	
viba_45322	TUR/15/2017.019	cattle	99.5	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

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		89.2	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	83.4	0	A	ASIA	Iran-87	
viba_98	Alem/ARG/81		82.0	0	A	EURO-SA	A81	
viba_20943	IRN/27/2013	cattle	81.4	0	A	ASIA	Iran-05	SIS-13
viba_403	TUR/1/2008	cattle	81.2	0	A	ASIA	Iran-05	ARD-07
viba_557	IRN/15/2012	bovine	81.1	0	A	ASIA	Iran-05	SIS-12
viba_13615	IRN/134/2010	cattle	81.1	0	A	ASIA	Iran-05	HER-10

Virus sample name:	TUR/169/2017.192
Sender reference:	A/TUR/169/2017.192
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	11/03/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45360, genome 45361, sequence viba_45362, sequencing info 45363	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45370	TUR/207/2017.192	cattle	100.0	0	A	ASIA	G-VII	
viba_45330	TUR/37/2017.038	cattle	99.8	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.8	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	99.7	0	A	ASIA	G-VII	
viba_45358	TUR/166/2017.192	cattle	99.7	0	A	ASIA	G-VII	
viba_45354	TUR/148/2017.154	cattle	99.5	0	A	ASIA	G-VII	
viba_45438	TUR/17 vaccine	cattle	99.5	0	A	ASIA	G-VII	
viba_45334	TUR/46/2017.058	cattle	99.5	0	A	ASIA	G-VII	
viba_45374	TUR/210/2017.250	cattle	99.5	0	A	ASIA	G-VII	
viba_45322	TUR/15/2017.019	cattle	99.5	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

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		89.2	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	84.1	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	83.8	1	A	ASIA	Iran-96	
viba_682	IRN/2/87	bovine	83.5	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.0	0	A	EURO-SA	A12	
viba_20943	IRN/27/2013	cattle	81.4	0	A	ASIA	Iran-05	SIS-13
viba_594	IRN/1/2011	bovine	81.3	0	A	ASIA	Iran-05	FAR-11
viba_403	TUR/1/2008	cattle	81.3	0	A	ASIA	Iran-05	ARD-07
viba_557	IRN/15/2012	bovine	81.3	0	A	ASIA	Iran-05	SIS-12

Virus sample name:	TUR/180/2017.192
Sender reference:	A/TUR/180/2017.192
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	11/03/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45364, genome 45365, sequence viba_45366, sequencing info 45367	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45438	TUR/17 vaccine	cattle	99.8	0	A	ASIA	G-VII	
viba_45322	TUR/15/2017.019	cattle	99.8	0	A	ASIA	G-VII	
viba_45326	TUR/16/2017.019	cattle	99.7	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	99.7	0	A	ASIA	G-VII	
viba_45330	TUR/37/2017.038	cattle	99.5	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.5	0	A	ASIA	G-VII	
viba_45313	TUR/1392/2016.999	cattle	99.5	0	A	ASIA	G-VII	
viba_45382	TUR/236/2017.346	cattle	99.5	0	A	ASIA	G-VII	
viba_45305	TUR/1320/2016.885	cattle	99.5	0	A	ASIA	G-VII	
viba_45370	TUR/207/2017.192	cattle	99.4	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	90.1	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.5	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	83.8	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.1	0	A	EURO-SA	A12	
viba_20943	IRN/27/2013	cattle	81.7	0	A	ASIA	Iran-05	SIS-13
viba_557	IRN/15/2012	bovine	81.6	0	A	ASIA	Iran-05	SIS-12
viba_13615	IRN/134/2010	cattle	81.4	0	A	ASIA	Iran-05	HER-10
viba_594	IRN/1/2011	bovine	81.3	0	A	ASIA	Iran-05	FAR-11

Virus sample name:	TUR/207/2017.192
Sender reference:	A/TUR/207/2017.192
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	11/03/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45368, genome 45369, sequence viba_45370, sequencing info 45371	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45362	TUR/169/2017.192	cattle	100.0	0	A	ASIA	G-VII	
viba_45330	TUR/37/2017.038	cattle	99.8	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.8	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	99.7	0	A	ASIA	G-VII	
viba_45358	TUR/166/2017.192	cattle	99.7	0	A	ASIA	G-VII	
viba_45354	TUR/148/2017.154	cattle	99.5	0	A	ASIA	G-VII	
viba_45438	TUR/17 vaccine	cattle	99.5	0	A	ASIA	G-VII	
viba_45334	TUR/46/2017.058	cattle	99.5	0	A	ASIA	G-VII	
viba_45374	TUR/210/2017.250	cattle	99.5	0	A	ASIA	G-VII	
viba_45322	TUR/15/2017.019	cattle	99.5	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

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		89.2	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	84.1	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	83.8	1	A	ASIA	Iran-96	
viba_682	IRN/2/87	bovine	83.5	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.0	0	A	EURO-SA	A12	
viba_20943	IRN/27/2013	cattle	81.4	0	A	ASIA	Iran-05	SIS-13
viba_594	IRN/1/2011	bovine	81.3	0	A	ASIA	Iran-05	FAR-11
viba_403	TUR/1/2008	cattle	81.3	0	A	ASIA	Iran-05	ARD-07
viba_557	IRN/15/2012	bovine	81.3	0	A	ASIA	Iran-05	SIS-12

Virus sample name:	TUR/210/2017.250
Sender reference:	A/TUR/210/2017.250
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	01/04/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45372, genome 45373, sequence viba_45374, sequencing info 45375	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45334	TUR/46/2017.058	cattle	99.7	0	A	ASIA	G-VII	
viba_45330	TUR/37/2017.038	cattle	99.7	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.7	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	99.5	0	A	ASIA	G-VII	
viba_45370	TUR/207/2017.192	cattle	99.5	0	A	ASIA	G-VII	
viba_45362	TUR/169/2017.192	cattle	99.5	0	A	ASIA	G-VII	
viba_45358	TUR/166/2017.192	cattle	99.5	0	A	ASIA	G-VII	
viba_45354	TUR/148/2017.154	cattle	99.4	0	A	ASIA	G-VII	
viba_45438	TUR/17 vaccine	cattle	99.4	0	A	ASIA	G-VII	
viba_45322	TUR/15/2017.019	cattle	99.4	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

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		89.0	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_682	IRN/2/87	bovine	83.1	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		81.6	0	A	EURO-SA	A12	
viba_20943	IRN/27/2013	cattle	81.3	0	A	ASIA	Iran-05	SIS-13
viba_557	IRN/15/2012	bovine	81.1	0	A	ASIA	Iran-05	SIS-12
viba_13615	IRN/134/2010	cattle	81.1	0	A	ASIA	Iran-05	HER-10
viba_98	Alem/ARG/81		81.0	0	A	EURO-SA	A81	

Virus sample name:	TUR/233/2017.308
Sender reference:	A/TUR/233/2017.308
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	22/04/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45376, genome 45377, sequence viba_45378, sequencing info 45379	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_41735	TUR/1/2016	cattle	98.7	0	A	ASIA	G-VII	
viba_32168	TUR/1218/2016.769	cattle	98.7	0	A	ASIA	G-VII	
viba_45285	TUR/1222/2016.769	cattle	98.7	0	A	ASIA	G-VII	
viba_32172	TUR/1225/2016.769	cattle	98.3	0	A	ASIA	G-VII	
viba_45390	TUR/257/2017.462	cattle	98.3	0	A	ASIA	G-VII	
viba_45264	TUR/15 vaccine	cattle	98.3	0	A	ASIA	G-VII	
viba_45342	TUR/75/2017.096	cattle	98.3	0	A	ASIA	G-VII	
viba_45438	TUR/17 vaccine	cattle	98.1	0	A	ASIA	G-VII	
viba_45322	TUR/15/2017.019	cattle	98.1	0	A	ASIA	G-VII	
viba_45382	TUR/236/2017.346	cattle	98.1	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

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		89.3	0	A	ASIA	G-VII	
viba_336	IRN/1/96	bovine	83.9	1	A	ASIA	Iran-96	
viba_677	IRQ/24/64	bovine	83.7	0	A	ASIA	A22	
viba_699	UKG/119/32		82.8	0	A	EURO-SA	A12	
viba_682	IRN/2/87	bovine	82.1	0	A	ASIA	Iran-87	
viba_308	IRN/9/2011	bovine	81.9	0	A	ASIA	Iran-05	QAZ-11
viba_403	TUR/1/2008	cattle	81.6	0	A	ASIA	Iran-05	ARD-07
viba_319	BAR/6/2008	bovine	81.5	0	A	ASIA	Iran-05	BAR-08
viba_557	IRN/15/2012	bovine	81.5	0	A	ASIA	Iran-05	SIS-12

Virus sample name:	TUR/236/2017.346
Sender reference:	A/TUR/236/2017.346
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	06/05/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45380, genome 45381, sequence viba_45382, sequencing info 45383	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45438	TUR/17 vaccine	cattle	99.7	0	A	ASIA	G-VII	
viba_45322	TUR/15/2017.019	cattle	99.7	0	A	ASIA	G-VII	
viba_45326	TUR/16/2017.019	cattle	99.5	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	99.5	0	A	ASIA	G-VII	
viba_45366	TUR/180/2017.192	cattle	99.5	0	A	ASIA	G-VII	
viba_45330	TUR/37/2017.038	cattle	99.4	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.4	0	A	ASIA	G-VII	
viba_45313	TUR/1392/2016.999	cattle	99.4	0	A	ASIA	G-VII	
viba_45305	TUR/1320/2016.885	cattle	99.4	0	A	ASIA	G-VII	
viba_45370	TUR/207/2017.192	cattle	99.2	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	89.9	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.3	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	84.0	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	83.9	1	A	ASIA	Iran-96	
viba_682	IRN/2/87	bovine	83.4	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.1	0	A	EURO-SA	A12	
viba_20943	IRN/27/2013	cattle	81.6	0	A	ASIA	Iran-05	SIS-13
viba_557	IRN/15/2012	bovine	81.4	0	A	ASIA	Iran-05	SIS-12
viba_594	IRN/1/2011	bovine	81.2	0	A	ASIA	Iran-05	FAR-11
viba_403	TUR/1/2008	cattle	81.2	0	A	ASIA	Iran-05	ARD-07

Virus sample name:	TUR/245/2017.385
Sender reference:	A/TUR/245/2017.385
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	20/05/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45384, genome 45385, sequence viba_45386, sequencing info 45387	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45426	TUR/380/2017.808	cattle	98.9	0	A	ASIA	G-VII	
viba_45260	TUR/657/2015.981	cattle	98.7	0	A	ASIA	G-VII	
viba_25140	ARM/2/2015	cattle	98.7	0	A	ASIA	G-VII	
viba_25136	ARM/1/2015	cattle	98.6	0	A	ASIA	G-VII	
viba_45220	TUR/214/2015.865	cattle	98.6	0	A	ASIA	G-VII	
viba_45236	TUR/267/2015.904	cattle	98.6	0	A	ASIA	G-VII	
viba_25144	ARM/3/2015	cattle	98.6	0	A	ASIA	G-VII	
viba_32136	TUR/175/2015.712	cattle	98.6	0	A	ASIA	G-VII	
viba_45240	TUR/231/2015.904	cattle	98.6	0	A	ASIA	G-VII	
viba_45273	TUR/65/2016.038	cattle	98.6	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	90.6	0	A	ASIA	G-VII	
viba_843	SAU/16/95		90.4	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	84.6	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	84.6	1	A	ASIA	Iran-96	
viba_682	IRN/2/87	bovine	83.7	0	A	ASIA	Iran-87	
viba_20943	IRN/27/2013	cattle	82.8	0	A	ASIA	Iran-05	SIS-13
viba_699	UKG/119/32		82.8	0	A	EURO-SA	A12	
viba_13615	IRN/134/2010	cattle	82.8	0	A	ASIA	Iran-05	HER-10
viba_414	AFG/6/2007	bovine	82.2	0	A	ASIA	Iran-05	AFG-07
viba_11952	PAK/6/2009	water buffalo	82.1	0	A	ASIA	Pak-09	

Virus sample name:	TUR/257/2017.462
Sender reference:	A/TUR/257/2017.462
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	17/06/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45388, genome 45389, sequence viba_45390, sequencing info 45391	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_32172	TUR/1225/2016.769	cattle	100.0	0	A	ASIA	G-VII	
viba_45297	TUR/1254/2016.788	cattle	99.7	0	A	ASIA	G-VII	
viba_41735	TUR/1/2016	cattle	99.2	0	A	ASIA	G-VII	
viba_32168	TUR/1218/2016.769	cattle	99.2	0	A	ASIA	G-VII	
viba_45285	TUR/1222/2016.769	cattle	99.2	0	A	ASIA	G-VII	
viba_45264	TUR/15 vaccine	cattle	99.1	0	A	ASIA	G-VII	
viba_45342	TUR/75/2017.096	cattle	98.7	0	A	ASIA	G-VII	
viba_45289	TUR/1223/2016.769	cattle	98.7	0	A	ASIA	G-VII	
viba_25136	ARM/1/2015	cattle	98.6	0	A	ASIA	G-VII	
viba_45220	TUR/214/2015.865	cattle	98.6	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	90.1	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.6	0	A	ASIA	G-VII	
viba_336	IRN/1/96	bovine	84.3	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_20943	IRN/27/2013	cattle	82.6	0	A	ASIA	Iran-05	SIS-13
viba_699	UKG/119/32		82.6	0	A	EURO-SA	A12	
viba_594	IRN/1/2011	bovine	82.2	0	A	ASIA	Iran-05	FAR-11
viba_13615	IRN/134/2010	cattle	82.0	0	A	ASIA	Iran-05	HER-10
viba_557	IRN/15/2012	bovine	81.9	0	A	ASIA	Iran-05	SIS-12

Virus sample name:	TUR/301/2017.538
Sender reference:	A/TUR/301/2017.538
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	15/07/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45392, genome 45393, sequence viba_45394, sequencing info 45395	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_30930	TUR/1193/2016.731	cattle	98.7	0	A	ASIA	G-VII	
viba_45317	TUR/16 vaccine	cattle	98.7	0	A	ASIA	G-VII	
viba_45309	TUR/1370/2016.981	cattle	98.4	0	A	ASIA	G-VII	
viba_45289	TUR/1223/2016.769	cattle	98.3	0	A	ASIA	G-VII	
viba_32172	TUR/1225/2016.769	cattle	97.9	0	A	ASIA	G-VII	
viba_45390	TUR/257/2017.462	cattle	97.9	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_45281	TUR/1200/2016.731	cattle	97.8	0	A	ASIA	G-VII	
viba_45285	TUR/1222/2016.769	cattle	97.8	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	89.5	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.3	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	84.6	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	84.3	1	A	ASIA	Iran-96	
viba_699	UKG/119/32		83.2	0	A	EURO-SA	A12	
viba_682	IRN/2/87	bovine	83.0	0	A	ASIA	Iran-87	
viba_20943	IRN/27/2013	cattle	82.5	0	A	ASIA	Iran-05	SIS-13
viba_13615	IRN/134/2010	cattle	82.1	0	A	ASIA	Iran-05	HER-10
viba_594	IRN/1/2011	bovine	82.0	0	A	ASIA	Iran-05	FAR-11
viba_414	AFG/6/2007	bovine	81.8	0	A	ASIA	Iran-05	AFG-07

Virus sample name:	TUR/310/2017.615
Sender reference:	A/TUR/310/2017.615
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	12/08/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45396, genome 45397, sequence viba_45398, sequencing info 45399	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_41743	TUR/6/2017	cattle	100.0	0	A	ASIA	G-VII	
viba_45438	TUR/17 vaccine	cattle	99.5	0	A	ASIA	G-VII	
viba_45322	TUR/15/2017.019	cattle	99.5	0	A	ASIA	G-VII	
viba_45326	TUR/16/2017.019	cattle	99.4	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	99.4	0	A	ASIA	G-VII	
viba_45366	TUR/180/2017.192	cattle	99.4	0	A	ASIA	G-VII	
viba_45330	TUR/37/2017.038	cattle	99.2	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.2	0	A	ASIA	G-VII	
viba_45313	TUR/1392/2016.999	cattle	99.2	0	A	ASIA	G-VII	
viba_45382	TUR/236/2017.346	cattle	99.2	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

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_557	IRN/15/2012	bovine	81.1	0	A	ASIA	Iran-05	SIS-12
viba_589	Bangkok/TAI/60		81.1	0	A	ASIA	A15	

Virus sample name:	TUR/312/2017.615
Sender reference:	A/TUR/312/2017.615
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	12/08/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45400, genome 45401, sequence viba_45402, sequencing info 45403	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45406	TUR/315/2017.615	cattle	100.0	0	A	ASIA	G-VII	
viba_45330	TUR/37/2017.038	cattle	99.4	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.4	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	99.2	0	A	ASIA	G-VII	
viba_45370	TUR/207/2017.192	cattle	99.2	0	A	ASIA	G-VII	
viba_45362	TUR/169/2017.192	cattle	99.2	0	A	ASIA	G-VII	
viba_45358	TUR/166/2017.192	cattle	99.2	0	A	ASIA	G-VII	
viba_45354	TUR/148/2017.154	cattle	99.1	0	A	ASIA	G-VII	
viba_45438	TUR/17 vaccine	cattle	99.1	0	A	ASIA	G-VII	
viba_45334	TUR/46/2017.058	cattle	99.1	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	90.1	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.1	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	84.4	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	83.6	1	A	ASIA	Iran-96	
viba_682	IRN/2/87	bovine	83.2	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.6	0	A	EURO-SA	A12	
viba_20943	IRN/27/2013	cattle	82.1	0	A	ASIA	Iran-05	SIS-13
viba_98	Alem/ARG/81		81.9	0	A	EURO-SA	A81	
viba_589	Bangkok/TAI/60		81.7	0	A	ASIA	A15	
viba_475	IRN/22/99		81.5	0	A	ASIA	Iran-99	

Virus sample name:	TUR/315/2017.615
Sender reference:	A/TUR/315/2017.615
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	12/08/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45404, genome 45405, sequence viba_45406, sequencing info 45407	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45402	TUR/312/2017.615	cattle	100.0	0	A	ASIA	G-VII	
viba_45330	TUR/37/2017.038	cattle	99.4	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.4	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	99.2	0	A	ASIA	G-VII	
viba_45370	TUR/207/2017.192	cattle	99.2	0	A	ASIA	G-VII	
viba_45362	TUR/169/2017.192	cattle	99.2	0	A	ASIA	G-VII	
viba_45358	TUR/166/2017.192	cattle	99.2	0	A	ASIA	G-VII	
viba_45354	TUR/148/2017.154	cattle	99.1	0	A	ASIA	G-VII	
viba_45438	TUR/17 vaccine	cattle	99.1	0	A	ASIA	G-VII	
viba_45334	TUR/46/2017.058	cattle	99.1	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	90.1	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.1	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	84.4	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	83.6	1	A	ASIA	Iran-96	
viba_682	IRN/2/87	bovine	83.2	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.6	0	A	EURO-SA	A12	
viba_20943	IRN/27/2013	cattle	82.1	0	A	ASIA	Iran-05	SIS-13
viba_98	Alem/ARG/81		81.9	0	A	EURO-SA	A81	
viba_589	Bangkok/TAI/60		81.7	0	A	ASIA	A15	
viba_475	IRN/22/99		81.5	0	A	ASIA	Iran-99	

Virus sample name:	TUR/321/2017.692
Sender reference:	A/TUR/321/2017.692
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	09/09/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45408, genome 45409, sequence viba_45410, sequencing info 45411	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45342	TUR/75/2017.096	cattle	99.1	0	A	ASIA	G-VII	
viba_45418	TUR/375/2017.788	cattle	97.9	0	A	ASIA	G-VII	
viba_41735	TUR/1/2016	cattle	97.9	0	A	ASIA	G-VII	
viba_32168	TUR/1218/2016.769	cattle	97.9	0	A	ASIA	G-VII	
viba_45285	TUR/1222/2016.769	cattle	97.9	0	A	ASIA	G-VII	
viba_45430	TUR/385/2017.827	cattle	97.8	0	A	ASIA	G-VII	
viba_41763	TUR/16/2017	cattle	97.8	0	A	ASIA	G-VII	
viba_32172	TUR/1225/2016.769	cattle	97.8	0	A	ASIA	G-VII	
viba_45390	TUR/257/2017.462	cattle	97.8	0	A	ASIA	G-VII	
viba_45264	TUR/15 vaccine	cattle	97.8	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	89.5	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.2	0	A	ASIA	G-VII	
viba_336	IRN/1/96	bovine	84.4	1	A	ASIA	Iran-96	
viba_677	IRQ/24/64	bovine	83.8	0	A	ASIA	A22	
viba_682	IRN/2/87	bovine	83.5	0	A	ASIA	Iran-87	
viba_589	Bangkok/TAI/60		82.8	0	A	ASIA	A15	
viba_403	TUR/1/2008	cattle	82.2	0	A	ASIA	Iran-05	ARD-07
viba_699	UKG/119/32		82.0	0	A	EURO-SA	A12	
viba_557	IRN/15/2012	bovine	81.9	0	A	ASIA	Iran-05	SIS-12
viba_319	BAR/6/2008	bovine	81.7	0	A	ASIA	Iran-05	BAR-08

Virus sample name:	TUR/363/2017.769
Sender reference:	A/TUR/363/2017.769
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	07/10/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45412, genome 45413, sequence viba_45414, sequencing info 45415	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_41751	TUR/11/2017	cattle	100.0	0	A	ASIA	G-VII	
viba_45334	TUR/46/2017.058	cattle	99.1	0	A	ASIA	G-VII	
viba_45330	TUR/37/2017.038	cattle	99.1	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.1	0	A	ASIA	G-VII	
viba_45374	TUR/210/2017.250	cattle	99.1	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	98.9	0	A	ASIA	G-VII	
viba_45370	TUR/207/2017.192	cattle	98.9	0	A	ASIA	G-VII	
viba_45362	TUR/169/2017.192	cattle	98.9	0	A	ASIA	G-VII	
viba_45358	TUR/166/2017.192	cattle	98.9	0	A	ASIA	G-VII	
viba_45354	TUR/148/2017.154	cattle	98.7	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

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_557	IRN/15/2012	bovine	81.1	0	A	ASIA	Iran-05	SIS-12
viba_589	Bangkok/TAI/60		81.1	0	A	ASIA	A15	
viba_20943	IRN/27/2013	cattle	81.0	0	A	ASIA	Iran-05	SIS-13

Virus sample name:	TUR/375/2017.788
Sender reference:	A/TUR/375/2017.788
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	14/10/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45416, genome 45417, sequence viba_45418, sequencing info 45419	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45430	TUR/385/2017.827	cattle	99.8	0	A	ASIA	G-VII	
viba_41763	TUR/16/2017	cattle	99.8	0	A	ASIA	G-VII	
viba_45342	TUR/75/2017.096	cattle	98.9	0	A	ASIA	G-VII	
viba_45410	TUR/321/2017.692	cattle	97.9	0	A	ASIA	G-VII	
viba_45264	TUR/15 vaccine	cattle	97.9	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_45382	TUR/236/2017.346	cattle	97.8	0	A	ASIA	G-VII	
viba_45285	TUR/1222/2016.769	cattle	97.8	0	A	ASIA	G-VII	
viba_25140	ARM/2/2015	cattle	97.6	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	89.9	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.8	0	A	ASIA	G-VII	
viba_336	IRN/1/96	bovine	84.4	1	A	ASIA	Iran-96	
viba_677	IRQ/24/64	bovine	83.7	0	A	ASIA	A22	
viba_682	IRN/2/87	bovine	83.4	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.1	0	A	EURO-SA	A12	
viba_589	Bangkok/TAI/60		81.7	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_475	IRN/22/99		81.0	0	A	ASIA	Iran-99	

Virus sample name:	TUR/381/2017.808
Sender reference:	A/TUR/381/2017.808
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	21/10/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45420, genome 45421, sequence viba_45422, sequencing info 45423	

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_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_45228	TUR/243/2015.904	cattle	98.1	0	A	ASIA	G-VII	
viba_32160	TUR/1008/2016.500	cattle	97.9	0	A	ASIA	G-VII	
viba_25136	ARM/1/2015	cattle	97.9	0	A	ASIA	G-VII	
viba_45220	TUR/214/2015.865	cattle	97.9	0	A	ASIA	G-VII	
viba_45236	TUR/267/2015.904	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	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

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_319	BAR/6/2008	bovine	82.1	0	A	ASIA	Iran-05	BAR-08
viba_20943	IRN/27/2013	cattle	82.1	0	A	ASIA	Iran-05	SIS-13
viba_414	AFG/6/2007	bovine	82.0	0	A	ASIA	Iran-05	AFG-07

Virus sample name:	TUR/380/2017.808
Sender reference:	A/TUR/380/2017.808
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	21/10/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45424, genome 45425, sequence viba_45426, sequencing info 45427	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45386	TUR/245/2017.385	cattle	98.9	0	A	ASIA	G-VII	
viba_25140	ARM/2/2015	cattle	97.9	0	A	ASIA	G-VII	
viba_25858	IRN/27/2015	cattle	97.9	0	A	ASIA	G-VII	
viba_27649	IRN/20/2016	cattle	97.9	0	A	ASIA	G-VII	
viba_25136	ARM/1/2015	cattle	97.8	0	A	ASIA	G-VII	
viba_45220	TUR/214/2015.865	cattle	97.8	0	A	ASIA	G-VII	
viba_45236	TUR/267/2015.904	cattle	97.8	0	A	ASIA	G-VII	
viba_25144	ARM/3/2015	cattle	97.8	0	A	ASIA	G-VII	
viba_32136	TUR/175/2015.712	cattle	97.8	0	A	ASIA	G-VII	
viba_45240	TUR/231/2015.904	cattle	97.8	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_843	SAU/16/95		90.3	0	A	ASIA	G-VII	
viba_864	IND/40/2000	cattle	90.1	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	84.4	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	84.3	1	A	ASIA	Iran-96	
viba_682	IRN/2/87	bovine	83.4	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.6	0	A	EURO-SA	A12	
viba_20943	IRN/27/2013	cattle	82.5	0	A	ASIA	Iran-05	SIS-13
viba_13615	IRN/134/2010	cattle	82.5	0	A	ASIA	Iran-05	HER-10
viba_414	AFG/6/2007	bovine	81.7	0	A	ASIA	Iran-05	AFG-07
viba_10508	PAK/7/2008	water buffalo	81.5	0	A	ASIA	Iran-05	SIN-08

Virus sample name:	TUR/385/2017.827
Sender reference:	A/TUR/385/2017.827
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	28/10/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45428, genome 45429, sequence viba_45430, sequencing info 45431	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_41763	TUR/16/2017	cattle	100.0	0	A	ASIA	G-VII	
viba_45418	TUR/375/2017.788	cattle	99.8	0	A	ASIA	G-VII	
viba_45342	TUR/75/2017.096	cattle	98.7	0	A	ASIA	G-VII	
viba_45410	TUR/321/2017.692	cattle	97.8	0	A	ASIA	G-VII	
viba_45264	TUR/15 vaccine	cattle	97.8	0	A	ASIA	G-VII	
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_45382	TUR/236/2017.346	cattle	97.6	0	A	ASIA	G-VII	
viba_45285	TUR/1222/2016.769	cattle	97.6	0	A	ASIA	G-VII	
viba_25140	ARM/2/2015	cattle	97.5	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

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	

Virus sample name:	TUR/396/2017.846
Sender reference:	A/TUR/396/2017.846
Location of origin:	n/a
Country of origin:	Turkey
Date of collection:	04/11/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45432, genome 45433, sequence viba_45434, sequencing info 45435	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45330	TUR/37/2017.038	cattle	99.1	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.1	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	98.9	0	A	ASIA	G-VII	
viba_45370	TUR/207/2017.192	cattle	98.9	0	A	ASIA	G-VII	
viba_45362	TUR/169/2017.192	cattle	98.9	0	A	ASIA	G-VII	
viba_45358	TUR/166/2017.192	cattle	98.9	0	A	ASIA	G-VII	
viba_45406	TUR/315/2017.615	cattle	98.7	0	A	ASIA	G-VII	
viba_45354	TUR/148/2017.154	cattle	98.7	0	A	ASIA	G-VII	
viba_45438	TUR/17 vaccine	cattle	98.7	0	A	ASIA	G-VII	
viba_45402	TUR/312/2017.615	cattle	98.7	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

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		89.2	0	A	ASIA	G-VII	
viba_336	IRN/1/96	bovine	84.3	1	A	ASIA	Iran-96	
viba_677	IRQ/24/64	bovine	83.9	0	A	ASIA	A22	
viba_682	IRN/2/87	bovine	83.2	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		81.9	0	A	EURO-SA	A12	
viba_98	Alem/ARG/81		81.5	0	A	EURO-SA	A81	
viba_20943	IRN/27/2013	cattle	81.4	0	A	ASIA	Iran-05	SIS-13
viba_557	IRN/15/2012	bovine	81.3	0	A	ASIA	Iran-05	SIS-12
viba_594	IRN/1/2011	bovine	81.1	0	A	ASIA	Iran-05	FAR-11

Virus sample name:	TUR/17 vaccine
Sender reference:	A/TUR/17
Location of origin:	Kirsehir province
Country of origin:	Turkey
Date of collection:	01/2017
Host species:	cattle
Serotype:	A
Topotype:	ASIA
Lineage:	G-VII
Sublineage:	
Sequence length:	633
Ambiguities:	0
Material submitted for sequencing:	n/a
Harvest date of material:	n/a
Primers:	n/a
Received for sequencing:	n/a
Created:	24/08/2020
Last updated:	24/08/2020
VIBASys IDs: sample 45436, genome 45437, sequence viba_45438, sequencing info 45439	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_45322	TUR/15/2017.019	cattle	100.0	0	A	ASIA	G-VII	
viba_45326	TUR/16/2017.019	cattle	99.8	0	A	ASIA	G-VII	
viba_45346	TUR/90/2017.096	cattle	99.8	0	A	ASIA	G-VII	
viba_45366	TUR/180/2017.192	cattle	99.8	0	A	ASIA	G-VII	
viba_45330	TUR/37/2017.038	cattle	99.7	0	A	ASIA	G-VII	
viba_45338	TUR/73/2017.077	cattle	99.7	0	A	ASIA	G-VII	
viba_45313	TUR/1392/2016.999	cattle	99.7	0	A	ASIA	G-VII	
viba_45382	TUR/236/2017.346	cattle	99.7	0	A	ASIA	G-VII	
viba_45305	TUR/1320/2016.885	cattle	99.7	0	A	ASIA	G-VII	
viba_45370	TUR/207/2017.192	cattle	99.5	0	A	ASIA	G-VII	

Most Closely Related Prototype Sequences

see <http://www.wrlfmd.org/fmdv-genome/fmd-prototype-strains>

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_864	IND/40/2000	cattle	89.9	0	A	ASIA	G-VII	
viba_843	SAU/16/95		89.3	0	A	ASIA	G-VII	
viba_677	IRQ/24/64	bovine	84.0	0	A	ASIA	A22	
viba_336	IRN/1/96	bovine	83.9	1	A	ASIA	Iran-96	
viba_682	IRN/2/87	bovine	83.4	0	A	ASIA	Iran-87	
viba_699	UKG/119/32		82.1	0	A	EURO-SA	A12	
viba_20943	IRN/27/2013	cattle	81.6	0	A	ASIA	Iran-05	SIS-13
viba_557	IRN/15/2012	bovine	81.4	0	A	ASIA	Iran-05	SIS-12
viba_594	IRN/1/2011	bovine	81.2	0	A	ASIA	Iran-05	FAR-11
viba_403	TUR/1/2008	cattle	81.2	0	A	ASIA	Iran-05	ARD-07

Report on FMDV A in Turkey in 2017

Batch: WRLMEG/2020/00025



*, not a WRLFMD Reference Number

Analysis Parameters

VP1 subsequence extractor: vp1_A
 Query sequence set: WRLMEG/2020/00025-Turkey-A (30 sequences)
 Sequence database set: allseqs_A (2195 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: 20
 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/381/2017.808*	MT681217	cattle	FMDI	Turkey	ASIA/G-VII
TUR/12/2017	n/a	cattle	WRLFMD	Turkey	ASIA/G-VII
TUR/13/2017	n/a	cattle	WRLFMD	Turkey	ASIA/G-VII
TUR/265/2017.481*	n/a	n/a	FMDI	Turkey	ASIA/G-VII
TUR/380/2017.808*	MT681222	cattle	FMDI	Turkey	ASIA/G-VII
TUR/245/2017.385*	MT681216	cattle	FMDI	Turkey	ASIA/G-VII
TUR/243/2015.904*	MT681220	cattle	FMDI	Turkey	ASIA/G-VII
IRN/20/2016	KY982296	cattle	WRLFMD	Iran	ASIA/G-VII
ARM/1/2015*	KY982279	cattle	ARRIAH	Armenia	ASIA/G-VII
IRN/27/2015	KY982291	cattle	WRLFMD	Iran	ASIA/G-VII
TUR/657/2015.981*	MT681228	cattle	FMDI	Turkey	ASIA/G-VII
ARM/2/2015*	KY982280	cattle	ARRIAH	Armenia	ASIA/G-VII
TUR/107/2017.115*	MT681237	cattle	FMDI	Turkey	ASIA/G-VII
TUR/385/2017.827*	MT681242	cattle	FMDI	Turkey	ASIA/G-VII
TUR/16/2017	n/a	cattle	WRLFMD	Turkey	ASIA/G-VII
TUR/375/2017.788*	MT681243	cattle	FMDI	Turkey	ASIA/G-VII
TUR/75/2017.096*	MT681236	cattle	FMDI	Turkey	ASIA/G-VII
TUR/321/2017.692*	MT681241	cattle	FMDI	Turkey	ASIA/G-VII
TUR/301/2017.538*	MT681240	cattle	FMDI	Turkey	ASIA/G-VII
TUR/1370/2016.981*	MT681235	cattle	FMDI	Turkey	ASIA/G-VII
TUR/16 vaccine*	MT681264	cattle	FMDI	Turkey	ASIA/G-VII
TUR/1193/2016.731*	KY982329	cattle	FMDI	Turkey	ASIA/G-VII
TUR/1223/2016.769*	MT681231	cattle	FMDI	Turkey	ASIA/G-VII
TUR/257/2017.462*	MT681239	cattle	FMDI	Turkey	ASIA/G-VII
TUR/1225/2016.769*	KY982332	cattle	FMDI	Turkey	ASIA/G-VII
TUR/1254/2016.788*	MT681233	cattle	FMDI	Turkey	ASIA/G-VII
TUR/233/2017.308*	MT681257	cattle	FMDI	Turkey	ASIA/G-VII
TUR/1222/2016.769*	MT681232	cattle	FMDI	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/236/2017.346*	MT681238	cattle	FMDI	Turkey	ASIA/G-VII
TUR/310/2017.615*	MT681258	cattle	FMDI	Turkey	ASIA/G-VII
TUR/6/2017	n/a	cattle	WRLFMD	Turkey	ASIA/G-VII
TUR/180/2017.192*	MT681254	cattle	FMDI	Turkey	ASIA/G-VII
TUR/17 vaccine*	MT681265	cattle	FMDI	Turkey	ASIA/G-VII
TUR/16/2017.019*	MT681246	cattle	FMDI	Turkey	ASIA/G-VII

continued on next page

label	accession	host(s)	lab	country	taxonomic information
TUR/15/2017.019*	MT681245	cattle	FMDI	Turkey	ASIA/G-VII
TUR/90/2017.096*	MT681250	cattle	FMDI	Turkey	ASIA/G-VII
TUR/1320/2016.885*	MT681234	cattle	FMDI	Turkey	ASIA/G-VII
TUR/363/2017.769*	MT681261	cattle	FMDI	Turkey	ASIA/G-VII
TUR/11/2017	n/a	cattle	WRLFMD	Turkey	ASIA/G-VII
TUR/210/2017.250*	MT681256	cattle	FMDI	Turkey	ASIA/G-VII
TUR/46/2017.058*	MT681248	cattle	FMDI	Turkey	ASIA/G-VII
TUR/396/2017.846*	MT681262	cattle	FMDI	Turkey	ASIA/G-VII
TUR/315/2017.615*	MT681260	cattle	FMDI	Turkey	ASIA/G-VII
TUR/312/2017.615*	MT681259	cattle	FMDI	Turkey	ASIA/G-VII
TUR/73/2017.077*	MT681249	cattle	FMDI	Turkey	ASIA/G-VII
TUR/148/2017.154*	MT681251	cattle	FMDI	Turkey	ASIA/G-VII
TUR/166/2017.192*	MT681252	cattle	FMDI	Turkey	ASIA/G-VII
TUR/169/2017.192*	MT681253	cattle	FMDI	Turkey	ASIA/G-VII
TUR/207/2017.192*	MT681255	cattle	FMDI	Turkey	ASIA/G-VII
TUR/37/2017.038*	MT681247	cattle	FMDI	Turkey	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/2/87	EF208770	bovine	WRLFMD	Iran	ASIA/Iran-87
IRN/22/99	EF208772	n/a	WRLFMD	Iran	ASIA/Iran-99
PAK/6/2009	MN276048	water buffalo	WRLFMD	Pakistan	ASIA/Pak-09
IRN/9/2011	KY091295	bovine	WRLFMD	Iran	ASIA/Iran-05/QAZ-11
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/1/2011	KY091292	bovine	WRLFMD	Iran	ASIA/Iran-05/FAR-11
IRN/134/2010	n/a	cattle	WRLFMD	Iran	ASIA/Iran-05/HER-10
BAR/6/2008	FJ755010	bovine	WRLFMD	Bahrain	ASIA/Iran-05/BAR-08
AFG/6/2007	FJ755007	bovine	WRLFMD	Afghanistan	ASIA/Iran-05/AFG-07
PAK/7/2008	MN276047	water buffalo	WRLFMD	Pakistan	ASIA/Iran-05/SIN-08
TUR/1/2008	FJ755133	cattle	WRLFMD	Turkey	ASIA/Iran-05/ARD-07
IRN/27/2013	n/a	cattle	WRLFMD	Iran	ASIA/Iran-05/SIS-13
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
Cruzeiro/BRA/55*	AY593768	bovine	PIADC	Brazil	EURO-SA/A24
UKG/119/32	M10975	n/a	PIADC	United Kingdom	EURO-SA/A12
KEN/3/64	AY593761	n/a	PIADC	Kenya	AFRICA/G-III

*, not a WRLFMD Reference Number

n/a, not available