

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

## Genotyping Report

FMDV serotype: SAT2  
Country: Turkiye  
Year: 2023  
Batch: WRLFMD/2023/000074  
No. of sequences: 18  
Report date: 10th October 2023  
Report generated by: Nick Knowles  
Report checked by: Jemma Wadsworth



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

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Virus sample name:	TUR/20/2023a
Sender reference:	449
Location of origin:	Buyuksutluce, Merkez, Ardahan
Country of origin:	Turkiye
Date of collection:	26/06/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	27/09/2023
Primers:	SAT2-1C445F/SAT-2B208R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54471, genome 54472, sequence viba_54473, sequencing info 54474	

#### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54409	TUR/4/2023	cattle	100.0	0	SAT2	XIV		
viba_54433	TUR/10/2023	cattle	99.8	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.8	0	SAT2	XIV		
viba_54425	TUR/8/2023	cattle	99.7	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.7	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.7	0	SAT2	XIV		
viba_52597	IRQ/8/2023	cattle	99.7	0	SAT2	XIV		
viba_52593	IRQ/7/2023	cattle	99.7	0	SAT2	XIV		
viba_54413	TUR/5/2023	cattle	99.7	0	SAT2	XIV		
viba_52577	IRQ/3/2023	cattle	99.7	0	SAT2	XIV		

#### 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_724	ETH/2/91	cattle	84.4	0	SAT2	XIV		
viba_470	KEN/2/84	bovine	75.1	0	SAT2	IX		
viba_500	NIG/2/75	bovine	75.0	0	SAT2	V		
viba_139	ETH/2/2007	cattle	74.8	0	SAT2	XIII		
viba_111	MAL/1/2003	bovine	74.5	0	SAT2	I		
viba_183	ZIM/14/2002	bovine	74.2	0	SAT2	I		
viba_752	SA/106/59		74.1	0	SAT2	I		
viba_451	BOT/P3/98 VUM-29	African buffalo	73.7	1	SAT2	III		
viba_728	GHA/2/90	bovine	73.7	0	SAT2	V		
viba_193	SUD/6/77		73.7	0	SAT2	XIII		

Virus sample name:	TUR/20/2023b
Sender reference:	449
Location of origin:	Buyuksutluce, Merkez, Ardahan
Country of origin:	Turkiye
Date of collection:	26/06/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	27/09/2023
Primers:	SAT2-P1-1223F/SAT-2B208R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023

VIBASys IDs: sample 54475, genome 54476, sequence viba\_54477, sequencing info 54478

### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54429	TUR/9/2023	cattle	99.7	0	SAT2	XIV		
viba_54433	TUR/10/2023	cattle	99.4	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.4	0	SAT2	XIV		
viba_54425	TUR/8/2023	cattle	99.2	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.2	0	SAT2	XIV		
viba_54409	TUR/4/2023	cattle	99.2	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.2	0	SAT2	XIV		
viba_54473	TUR/20/2023a	cattle	99.2	0	SAT2	XIV		
viba_54413	TUR/5/2023	cattle	99.2	0	SAT2	XIV		
viba_54469	TUR/19/2023	cattle	99.1	0	SAT2	XIV		

### 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_724	ETH/2/91	cattle	84.7	0	SAT2	XIV		
viba_470	KEN/2/84	bovine	75.5	0	SAT2	IX		
viba_500	NIG/2/75	bovine	75.4	0	SAT2	V		
viba_139	ETH/2/2007	cattle	74.9	0	SAT2	XIII		
viba_183	ZIM/14/2002	bovine	74.7	0	SAT2	I		
viba_728	GHA/2/90	bovine	73.9	0	SAT2	V		
viba_752	SA/106/59		73.9	0	SAT2	I		
viba_111	MAL/1/2003	bovine	73.6	0	SAT2	I		
viba_193	SUD/6/77		73.6	0	SAT2	XIII		
viba_567	ZIM/7/83	bovine	73.4	0	SAT2	II		

Virus sample name:	TUR/4/2023
Sender reference:	125
Location of origin:	Mehmetakifersoy, Merkez, Agri
Country of origin:	Türkiye
Date of collection:	11/03/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	26/09/2023
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54407, genome 54408, sequence viba_54409, sequencing info 54410	

#### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54473	TUR/20/2023a	cattle	100.0	0	SAT2	XIV		
viba_54433	TUR/10/2023	cattle	99.8	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.8	0	SAT2	XIV		
viba_54425	TUR/8/2023	cattle	99.7	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.7	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.7	0	SAT2	XIV		
viba_52597	IRQ/8/2023	cattle	99.7	0	SAT2	XIV		
viba_52593	IRQ/7/2023	cattle	99.7	0	SAT2	XIV		
viba_54413	TUR/5/2023	cattle	99.7	0	SAT2	XIV		
viba_52577	IRQ/3/2023	cattle	99.7	0	SAT2	XIV		

#### 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_724	ETH/2/91	cattle	84.4	0	SAT2	XIV		
viba_470	KEN/2/84	bovine	75.1	0	SAT2	IX		
viba_500	NIG/2/75	bovine	75.0	0	SAT2	V		
viba_139	ETH/2/2007	cattle	74.8	0	SAT2	XIII		
viba_111	MAL/1/2003	bovine	74.5	0	SAT2	I		
viba_183	ZIM/14/2002	bovine	74.2	0	SAT2	I		
viba_752	SA/106/59		74.1	0	SAT2	I		
viba_451	BOT/P3/98 VUM-29	African buffalo	73.7	1	SAT2	III		
viba_728	GHA/2/90	bovine	73.7	0	SAT2	V		
viba_193	SUD/6/77		73.7	0	SAT2	XIII		

Virus sample name:	TUR/5/2023
Sender reference:	126
Location of origin:	Erdal, Tutak, Agri
Country of origin:	Türkiye
Date of collection:	11/03/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	26/09/2023
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54411, genome 54412, sequence viba_54413, sequencing info 54414	

#### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54425	TUR/8/2023	cattle	100.0	0	SAT2	XIV		
viba_54469	TUR/19/2023	cattle	99.8	0	SAT2	XIV		
viba_54433	TUR/10/2023	cattle	99.8	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.8	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.7	0	SAT2	XIV		
viba_54421	TUR/7/2023	cattle	99.7	0	SAT2	XIV		
viba_54409	TUR/4/2023	cattle	99.7	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.7	0	SAT2	XIV		
viba_54473	TUR/20/2023a	cattle	99.7	0	SAT2	XIV		
viba_54453	TUR/15/2023	cattle	99.5	0	SAT2	XIV		

#### 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_724	ETH/2/91	cattle	84.1	0	SAT2	XIV		
viba_500	NIG/2/75	bovine	75.1	0	SAT2	V		
viba_470	KEN/2/84	bovine	75.1	0	SAT2	IX		
viba_139	ETH/2/2007	cattle	74.8	0	SAT2	XIII		
viba_111	MAL/1/2003	bovine	74.5	0	SAT2	I		
viba_183	ZIM/14/2002	bovine	74.4	0	SAT2	I		
viba_451	BOT/P3/98 VUM-29	African buffalo	73.9	1	SAT2	III		
viba_728	GHA/2/90	bovine	73.9	0	SAT2	V		
viba_752	SA/106/59		73.9	0	SAT2	I		
viba_567	ZIM/7/83	bovine	73.6	0	SAT2	II		

Virus sample name:	TUR/6/2023
Sender reference:	147
Location of origin:	Seyhali, Polatli, Ankara
Country of origin:	Türkiye
Date of collection:	17/03/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	26/09/2023
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54415, genome 54416, sequence viba_54417, sequencing info 54418	

#### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54433	TUR/10/2023	cattle	99.8	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.8	0	SAT2	XIV		
viba_54425	TUR/8/2023	cattle	99.7	0	SAT2	XIV		
viba_54409	TUR/4/2023	cattle	99.7	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.7	0	SAT2	XIV		
viba_54473	TUR/20/2023a	cattle	99.7	0	SAT2	XIV		
viba_54413	TUR/5/2023	cattle	99.7	0	SAT2	XIV		
viba_54469	TUR/19/2023	cattle	99.5	0	SAT2	XIV		
viba_54445	TUR/13/2023	cattle	99.5	0	SAT2	XIV		
viba_54429	TUR/9/2023	cattle	99.5	0	SAT2	XIV		

#### 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_724	ETH/2/91	cattle	84.2	0	SAT2	XIV		
viba_500	NIG/2/75	bovine	75.1	0	SAT2	V		
viba_470	KEN/2/84	bovine	75.1	0	SAT2	IX		
viba_139	ETH/2/2007	cattle	74.9	0	SAT2	XIII		
viba_183	ZIM/14/2002	bovine	74.2	0	SAT2	I		
viba_111	MAL/1/2003	bovine	74.2	0	SAT2	I		
viba_728	GHA/2/90	bovine	73.9	0	SAT2	V		
viba_451	BOT/P3/98 VUM-29	African buffalo	73.7	1	SAT2	III		
viba_752	SA/106/59		73.7	0	SAT2	I		
viba_193	SUD/6/77		73.6	0	SAT2	XIII		

Virus sample name:	TUR/7/2023
Sender reference:	168
Location of origin:	Degim, Merkez, Cankiri
Country of origin:	Türkiye
Date of collection:	17/03/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	26/09/2023
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54419, genome 54420, sequence viba_54421, sequencing info 54422	

#### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54425	TUR/8/2023	cattle	99.7	0	SAT2	XIV		
viba_54413	TUR/5/2023	cattle	99.7	0	SAT2	XIV		
viba_54469	TUR/19/2023	cattle	99.5	0	SAT2	XIV		
viba_54433	TUR/10/2023	cattle	99.5	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.5	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.4	0	SAT2	XIV		
viba_54409	TUR/4/2023	cattle	99.4	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.4	0	SAT2	XIV		
viba_54473	TUR/20/2023a	cattle	99.4	0	SAT2	XIV		
viba_54453	TUR/15/2023	cattle	99.2	0	SAT2	XIV		

#### 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_724	ETH/2/91	cattle	83.3	0	SAT2	XIV		
viba_470	KEN/2/84	bovine	75.1	0	SAT2	IX		
viba_183	ZIM/14/2002	bovine	74.9	0	SAT2	I		
viba_139	ETH/2/2007	cattle	74.5	0	SAT2	XIII		
viba_111	MAL/1/2003	bovine	74.5	0	SAT2	I		
viba_728	GHA/2/90	bovine	74.2	0	SAT2	V		
viba_500	NIG/2/75	bovine	74.1	0	SAT2	V		
viba_752	SA/106/59		73.9	0	SAT2	I		
viba_451	BOT/P3/98 VUM-29	African buffalo	73.6	1	SAT2	III		
viba_193	SUD/6/77		73.6	0	SAT2	XIII		

Virus sample name:	TUR/8/2023
Sender reference:	183
Location of origin:	Mesudiye, Germencik, Aydin
Country of origin:	Turkiye
Date of collection:	21/03/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK2
Harvest date of material:	28/09/2023
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54423, genome 54424, sequence viba_54425, sequencing info 54426	

#### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54413	TUR/5/2023	cattle	100.0	0	SAT2	XIV		
viba_54469	TUR/19/2023	cattle	99.8	0	SAT2	XIV		
viba_54433	TUR/10/2023	cattle	99.8	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.8	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.7	0	SAT2	XIV		
viba_54421	TUR/7/2023	cattle	99.7	0	SAT2	XIV		
viba_54409	TUR/4/2023	cattle	99.7	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.7	0	SAT2	XIV		
viba_54473	TUR/20/2023a	cattle	99.7	0	SAT2	XIV		
viba_54453	TUR/15/2023	cattle	99.5	0	SAT2	XIV		

#### 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_724	ETH/2/91	cattle	84.1	0	SAT2	XIV		
viba_500	NIG/2/75	bovine	75.1	0	SAT2	V		
viba_470	KEN/2/84	bovine	75.1	0	SAT2	IX		
viba_139	ETH/2/2007	cattle	74.8	0	SAT2	XIII		
viba_111	MAL/1/2003	bovine	74.5	0	SAT2	I		
viba_183	ZIM/14/2002	bovine	74.4	0	SAT2	I		
viba_451	BOT/P3/98 VUM-29	African buffalo	73.9	1	SAT2	III		
viba_728	GHA/2/90	bovine	73.9	0	SAT2	V		
viba_752	SA/106/59		73.9	0	SAT2	I		
viba_567	ZIM/7/83	bovine	73.6	0	SAT2	II		



Virus sample name:	TUR/9/2023
Sender reference:	229
Location of origin:	Yagan, Koprucukoy, Erzurum
Country of origin:	Türkiye
Date of collection:	24/03/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK2
Harvest date of material:	03/10/2023
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54427, genome 54428, sequence viba_54429, sequencing info 54430	

#### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54433	TUR/10/2023	cattle	99.7	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.7	0	SAT2	XIV		
viba_54477	TUR/20/2023b	cattle	99.7	0	SAT2	XIV		
viba_54425	TUR/8/2023	cattle	99.5	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.5	0	SAT2	XIV		
viba_54409	TUR/4/2023	cattle	99.5	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.5	0	SAT2	XIV		
viba_54473	TUR/20/2023a	cattle	99.5	0	SAT2	XIV		
viba_54413	TUR/5/2023	cattle	99.5	0	SAT2	XIV		
viba_54469	TUR/19/2023	cattle	99.4	0	SAT2	XIV		

#### 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_724	ETH/2/91	cattle	84.5	0	SAT2	XIV		
viba_470	KEN/2/84	bovine	75.4	0	SAT2	IX		
viba_500	NIG/2/75	bovine	75.3	0	SAT2	V		
viba_139	ETH/2/2007	cattle	75.1	0	SAT2	XIII		
viba_183	ZIM/14/2002	bovine	74.4	0	SAT2	I		
viba_111	MAL/1/2003	bovine	74.0	0	SAT2	I		
viba_728	GHA/2/90	bovine	73.9	0	SAT2	V		
viba_752	SA/106/59		73.9	0	SAT2	I		
viba_451	BOT/P3/98 VUM-29	African buffalo	73.7	1	SAT2	III		
viba_567	ZIM/7/83	bovine	73.6	0	SAT2	II		

Virus sample name:	TUR/10/2023
Sender reference:	250
Location of origin:	Yukarikarahalit, Tutak, Agri
Country of origin:	Türkiye
Date of collection:	24/03/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	26/09/2023
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54431, genome 54432, sequence viba_54433, sequencing info 54434	

#### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52657	TUR/79/2023	cattle	100.0	0	SAT2	XIV		
viba_54425	TUR/8/2023	cattle	99.8	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.8	0	SAT2	XIV		
viba_54409	TUR/4/2023	cattle	99.8	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.8	0	SAT2	XIV		
viba_54473	TUR/20/2023a	cattle	99.8	0	SAT2	XIV		
viba_54413	TUR/5/2023	cattle	99.8	0	SAT2	XIV		
viba_54469	TUR/19/2023	cattle	99.7	0	SAT2	XIV		
viba_54445	TUR/13/2023	cattle	99.7	0	SAT2	XIV		
viba_54429	TUR/9/2023	cattle	99.7	0	SAT2	XIV		

#### 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_724	ETH/2/91	cattle	84.2	0	SAT2	XIV		
viba_470	KEN/2/84	bovine	75.1	0	SAT2	IX		
viba_500	NIG/2/75	bovine	75.0	0	SAT2	V		
viba_139	ETH/2/2007	cattle	74.8	0	SAT2	XIII		
viba_183	ZIM/14/2002	bovine	74.4	0	SAT2	I		
viba_111	MAL/1/2003	bovine	74.3	0	SAT2	I		
viba_451	BOT/P3/98 VUM-29	African buffalo	73.9	1	SAT2	III		
viba_752	SA/106/59		73.9	0	SAT2	I		
viba_728	GHA/2/90	bovine	73.7	0	SAT2	V		
viba_567	ZIM/7/83	bovine	73.6	0	SAT2	II		

Virus sample name:	TUR/11/2023
Sender reference:	285
Location of origin:	Cakiroren, Karatas, Adana
Country of origin:	Turkiye
Date of collection:	17/04/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	26/09/2023
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54435, genome 54436, sequence viba_54437, sequencing info 54438	

#### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54441	TUR/12/2023	cattle	100.0	0	SAT2	XIV		
viba_54433	TUR/10/2023	cattle	99.5	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.5	0	SAT2	XIV		
viba_54425	TUR/8/2023	cattle	99.4	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.4	0	SAT2	XIV		
viba_54409	TUR/4/2023	cattle	99.4	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.4	0	SAT2	XIV		
viba_54473	TUR/20/2023a	cattle	99.4	0	SAT2	XIV		
viba_54413	TUR/5/2023	cattle	99.4	0	SAT2	XIV		
viba_54469	TUR/19/2023	cattle	99.2	0	SAT2	XIV		

#### 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_724	ETH/2/91	cattle	84.1	0	SAT2	XIV		
viba_500	NIG/2/75	bovine	75.4	0	SAT2	V		
viba_139	ETH/2/2007	cattle	75.3	0	SAT2	XIII		
viba_470	KEN/2/84	bovine	75.1	0	SAT2	IX		
viba_111	MAL/1/2003	bovine	74.5	0	SAT2	I		
viba_183	ZIM/14/2002	bovine	74.2	0	SAT2	I		
viba_451	BOT/P3/98 VUM-29	African buffalo	74.0	1	SAT2	III		
viba_728	GHA/2/90	bovine	73.9	0	SAT2	V		
viba_752	SA/106/59		73.9	0	SAT2	I		
viba_567	ZIM/7/83	bovine	73.8	0	SAT2	II		

Virus sample name:	TUR/12/2023
Sender reference:	286
Location of origin:	Cakiroren, Karatas, Adana
Country of origin:	Turkiye
Date of collection:	17/04/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	26/09/2023
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54439, genome 54440, sequence viba_54441, sequencing info 54442	

### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54437	TUR/11/2023	cattle	100.0	0	SAT2	XIV		
viba_54433	TUR/10/2023	cattle	99.5	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.5	0	SAT2	XIV		
viba_54425	TUR/8/2023	cattle	99.4	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.4	0	SAT2	XIV		
viba_54409	TUR/4/2023	cattle	99.4	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.4	0	SAT2	XIV		
viba_54473	TUR/20/2023a	cattle	99.4	0	SAT2	XIV		
viba_54413	TUR/5/2023	cattle	99.4	0	SAT2	XIV		
viba_54469	TUR/19/2023	cattle	99.2	0	SAT2	XIV		

### 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_724	ETH/2/91	cattle	84.1	0	SAT2	XIV		
viba_500	NIG/2/75	bovine	75.4	0	SAT2	V		
viba_139	ETH/2/2007	cattle	75.3	0	SAT2	XIII		
viba_470	KEN/2/84	bovine	75.1	0	SAT2	IX		
viba_111	MAL/1/2003	bovine	74.5	0	SAT2	I		
viba_183	ZIM/14/2002	bovine	74.2	0	SAT2	I		
viba_451	BOT/P3/98 VUM-29	African buffalo	74.0	1	SAT2	III		
viba_728	GHA/2/90	bovine	73.9	0	SAT2	V		
viba_752	SA/106/59		73.9	0	SAT2	I		
viba_567	ZIM/7/83	bovine	73.8	0	SAT2	II		

Virus sample name:	TUR/13/2023
Sender reference:	303
Location of origin:	Avsaroren, Kangal, Sivas
Country of origin:	Turkiye
Date of collection:	04/05/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	27/09/2023
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54443, genome 54444, sequence viba_54445, sequencing info 54446	

#### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54433	TUR/10/2023	cattle	99.7	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.7	0	SAT2	XIV		
viba_54425	TUR/8/2023	cattle	99.5	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.5	0	SAT2	XIV		
viba_54409	TUR/4/2023	cattle	99.5	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.5	0	SAT2	XIV		
viba_54473	TUR/20/2023a	cattle	99.5	0	SAT2	XIV		
viba_54413	TUR/5/2023	cattle	99.5	0	SAT2	XIV		
viba_54469	TUR/19/2023	cattle	99.4	0	SAT2	XIV		
viba_54429	TUR/9/2023	cattle	99.4	0	SAT2	XIV		

#### 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_724	ETH/2/91	cattle	84.2	0	SAT2	XIV		
viba_470	KEN/2/84	bovine	75.5	0	SAT2	IX		
viba_139	ETH/2/2007	cattle	74.8	0	SAT2	XIII		
viba_183	ZIM/14/2002	bovine	74.7	0	SAT2	I		
viba_111	MAL/1/2003	bovine	74.6	0	SAT2	I		
viba_752	SA/106/59		74.2	0	SAT2	I		
viba_500	NIG/2/75	bovine	74.1	0	SAT2	V		
viba_374	ZAI/1/74		74.1	0	SAT2	VIII		
viba_451	BOT/P3/98 VUM-29	African buffalo	74.0	1	SAT2	III		
viba_193	SUD/6/77		73.9	0	SAT2	XIII		

Virus sample name:	TUR/14/2023
Sender reference:	322
Location of origin:	Enidogan, Gemerek, Sivas
Country of origin:	Türkiye
Date of collection:	18/05/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	27/09/2023
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54447, genome 54448, sequence viba_54449, sequencing info 54450	

#### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54461	TUR/17/2023	cattle	99.7	0	SAT2	XIV		
viba_54433	TUR/10/2023	cattle	99.5	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.5	0	SAT2	XIV		
viba_54425	TUR/8/2023	cattle	99.4	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.4	0	SAT2	XIV		
viba_54409	TUR/4/2023	cattle	99.4	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.4	0	SAT2	XIV		
viba_54473	TUR/20/2023a	cattle	99.4	0	SAT2	XIV		
viba_54413	TUR/5/2023	cattle	99.4	0	SAT2	XIV		
viba_54469	TUR/19/2023	cattle	99.2	0	SAT2	XIV		

#### 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_724	ETH/2/91	cattle	83.6	0	SAT2	XIV		
viba_500	NIG/2/75	bovine	75.0	0	SAT2	V		
viba_139	ETH/2/2007	cattle	74.9	0	SAT2	XIII		
viba_470	KEN/2/84	bovine	74.9	0	SAT2	IX		
viba_183	ZIM/14/2002	bovine	74.4	0	SAT2	I		
viba_111	MAL/1/2003	bovine	74.0	0	SAT2	I		
viba_451	BOT/P3/98 VUM-29	African buffalo	73.7	1	SAT2	III		
viba_728	GHA/2/90	bovine	73.7	0	SAT2	V		
viba_752	SA/106/59		73.7	0	SAT2	I		
viba_374	ZAI/1/74		73.6	0	SAT2	VIII		

Virus sample name:	TUR/15/2023
Sender reference:	338
Location of origin:	Guneykaya, Yildizeli, Sivas
Country of origin:	Türkiye
Date of collection:	26/05/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	27/09/2023
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54451, genome 54452, sequence viba_54453, sequencing info 54454	

#### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54425	TUR/8/2023	cattle	99.5	0	SAT2	XIV		
viba_54413	TUR/5/2023	cattle	99.5	0	SAT2	XIV		
viba_54469	TUR/19/2023	cattle	99.4	0	SAT2	XIV		
viba_54433	TUR/10/2023	cattle	99.4	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.4	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.2	0	SAT2	XIV		
viba_54421	TUR/7/2023	cattle	99.2	0	SAT2	XIV		
viba_54409	TUR/4/2023	cattle	99.2	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.2	0	SAT2	XIV		
viba_54473	TUR/20/2023a	cattle	99.2	0	SAT2	XIV		

#### 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_724	ETH/2/91	cattle	83.9	0	SAT2	XIV		
viba_111	MAL/1/2003	bovine	75.0	0	SAT2	I		
viba_470	KEN/2/84	bovine	74.9	0	SAT2	IX		
viba_500	NIG/2/75	bovine	74.8	0	SAT2	V		
viba_139	ETH/2/2007	cattle	74.3	0	SAT2	XIII		
viba_193	SUD/6/77		74.3	0	SAT2	XIII		
viba_183	ZIM/14/2002	bovine	74.2	0	SAT2	I		
viba_728	GHA/2/90	bovine	74.0	0	SAT2	V		
viba_752	SA/106/59		73.7	0	SAT2	I		
viba_451	BOT/P3/98 VUM-29	African buffalo	73.6	1	SAT2	III		

Virus sample name:	TUR/16/2023
Sender reference:	353
Location of origin:	Turkmen, Eregli, Konya
Country of origin:	Türkiye
Date of collection:	30/05/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	27/09/2023
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54455, genome 54456, sequence viba_54457, sequencing info 54458	

#### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54433	TUR/10/2023	cattle	99.8	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.8	0	SAT2	XIV		
viba_54425	TUR/8/2023	cattle	99.7	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.7	0	SAT2	XIV		
viba_54409	TUR/4/2023	cattle	99.7	0	SAT2	XIV		
viba_54473	TUR/20/2023a	cattle	99.7	0	SAT2	XIV		
viba_54413	TUR/5/2023	cattle	99.7	0	SAT2	XIV		
viba_54469	TUR/19/2023	cattle	99.5	0	SAT2	XIV		
viba_54445	TUR/13/2023	cattle	99.5	0	SAT2	XIV		
viba_54429	TUR/9/2023	cattle	99.5	0	SAT2	XIV		

#### 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_724	ETH/2/91	cattle	84.1	0	SAT2	XIV		
viba_470	KEN/2/84	bovine	75.2	0	SAT2	IX		
viba_500	NIG/2/75	bovine	75.0	0	SAT2	V		
viba_139	ETH/2/2007	cattle	74.6	0	SAT2	XIII		
viba_183	ZIM/14/2002	bovine	74.5	0	SAT2	I		
viba_111	MAL/1/2003	bovine	74.2	0	SAT2	I		
viba_752	SA/106/59		74.1	0	SAT2	I		
viba_451	BOT/P3/98 VUM-29	African buffalo	73.7	1	SAT2	III		
viba_728	GHA/2/90	bovine	73.6	0	SAT2	V		
viba_567	ZIM/7/83	bovine	73.5	0	SAT2	II		



Virus sample name:	TUR/17/2023
Sender reference:	375
Location of origin:	Kurkcucu, Sarikaya, Yozgat
Country of origin:	Türkiye
Date of collection:	08/06/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	27/09/2023
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54459, genome 54460, sequence viba_54461, sequencing info 54462	

#### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54449	TUR/14/2023	cattle	99.7	0	SAT2	XIV		
viba_54433	TUR/10/2023	cattle	99.5	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.5	0	SAT2	XIV		
viba_54425	TUR/8/2023	cattle	99.4	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.4	0	SAT2	XIV		
viba_54409	TUR/4/2023	cattle	99.4	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.4	0	SAT2	XIV		
viba_54473	TUR/20/2023a	cattle	99.4	0	SAT2	XIV		
viba_54413	TUR/5/2023	cattle	99.4	0	SAT2	XIV		
viba_54469	TUR/19/2023	cattle	99.2	0	SAT2	XIV		

#### 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_724	ETH/2/91	cattle	84.1	0	SAT2	XIV		
viba_470	KEN/2/84	bovine	74.9	0	SAT2	IX		
viba_500	NIG/2/75	bovine	74.7	0	SAT2	V		
viba_183	ZIM/14/2002	bovine	74.4	0	SAT2	I		
viba_139	ETH/2/2007	cattle	74.0	0	SAT2	XIII		
viba_374	ZAI/1/74		73.9	0	SAT2	VIII		
viba_752	SA/106/59		73.9	0	SAT2	I		
viba_451	BOT/P3/98 VUM-29	African buffalo	73.7	1	SAT2	III		
viba_728	GHA/2/90	bovine	73.4	0	SAT2	V		
viba_111	MAL/1/2003	bovine	73.4	0	SAT2	I		

Virus sample name:	TUR/18/2023
Sender reference:	404
Location of origin:	Baharozu, Ulas, Sivas
Country of origin:	Türkiye
Date of collection:	14/06/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	27/09/2023
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54463, genome 54464, sequence viba_54465, sequencing info 54466	

#### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54433	TUR/10/2023	cattle	99.5	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.5	0	SAT2	XIV		
viba_54425	TUR/8/2023	cattle	99.4	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.4	0	SAT2	XIV		
viba_54409	TUR/4/2023	cattle	99.4	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.4	0	SAT2	XIV		
viba_54473	TUR/20/2023a	cattle	99.4	0	SAT2	XIV		
viba_54413	TUR/5/2023	cattle	99.4	0	SAT2	XIV		
viba_52693	JOR/3/2023	cattle	99.2	0	SAT2	XIV		
viba_52705	JOR/6/2023	cattle	99.2	0	SAT2	XIV		

#### 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_724	ETH/2/91	cattle	84.4	0	SAT2	XIV		
viba_470	KEN/2/84	bovine	75.2	0	SAT2	IX		
viba_111	MAL/1/2003	bovine	75.2	0	SAT2	I		
viba_139	ETH/2/2007	cattle	74.9	0	SAT2	XIII		
viba_183	ZIM/14/2002	bovine	74.9	0	SAT2	I		
viba_500	NIG/2/75	bovine	74.7	0	SAT2	V		
viba_193	SUD/6/77		74.4	0	SAT2	XIII		
viba_752	SA/106/59		74.2	0	SAT2	I		
viba_451	BOT/P3/98 VUM-29	African buffalo	73.9	1	SAT2	III		
viba_369	UGA/51/75	bovine	73.7	0	SAT2	XII		

Virus sample name:	TUR/19/2023
Sender reference:	405
Location of origin:	Baharozu, Ulas, Sivas
Country of origin:	Türkiye
Date of collection:	14/06/2023
Host species:	cattle
Serotype:	SAT2
Topotype:	XIV
Lineage:	
Sublineage:	
Sequence length:	642
Ambiguities:	0
Material submitted for sequencing:	WRL-LFBK1
Harvest date of material:	28/09/2023
Primers:	SAT2-1C445F & SAT2-P1-1223F/SAT-2B208R; FMD-3161F/FMD-4303R
Received for sequencing:	05/10/2023
Created:	10/10/2023
Last updated:	10/10/2023
VIBASys IDs: sample 54467, genome 54468, sequence viba_54469, sequencing info 54470	

#### Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_54425	TUR/8/2023	cattle	99.8	0	SAT2	XIV		
viba_54413	TUR/5/2023	cattle	99.8	0	SAT2	XIV		
viba_54433	TUR/10/2023	cattle	99.7	0	SAT2	XIV		
viba_52657	TUR/79/2023	cattle	99.7	0	SAT2	XIV		
viba_54417	TUR/6/2023	cattle	99.5	0	SAT2	XIV		
viba_54421	TUR/7/2023	cattle	99.5	0	SAT2	XIV		
viba_54409	TUR/4/2023	cattle	99.5	0	SAT2	XIV		
viba_54457	TUR/16/2023	cattle	99.5	0	SAT2	XIV		
viba_54473	TUR/20/2023a	cattle	99.5	0	SAT2	XIV		
viba_54453	TUR/15/2023	cattle	99.4	0	SAT2	XIV		

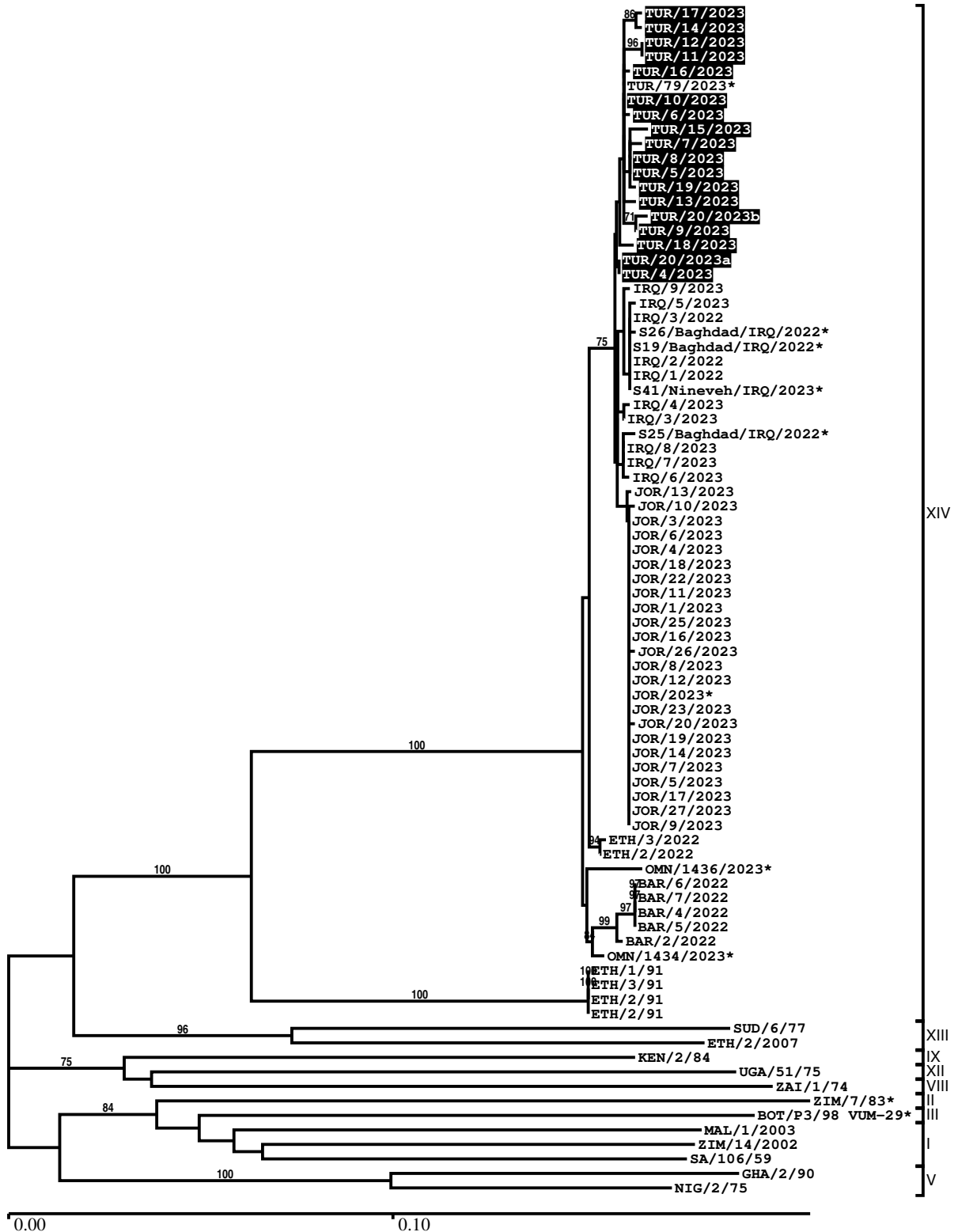
#### Most Closely Related Prototype Sequences

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

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_724	ETH/2/91	cattle	84.2	0	SAT2	XIV		
viba_500	NIG/2/75	bovine	75.3	0	SAT2	V		
viba_470	KEN/2/84	bovine	75.2	0	SAT2	IX		
viba_139	ETH/2/2007	cattle	74.9	0	SAT2	XIII		
viba_111	MAL/1/2003	bovine	74.6	0	SAT2	I		
viba_183	ZIM/14/2002	bovine	74.4	0	SAT2	I		
viba_728	GHA/2/90	bovine	74.0	0	SAT2	V		
viba_451	BOT/P3/98 VUM-29	African buffalo	73.9	1	SAT2	III		
viba_752	SA/106/59		73.9	0	SAT2	I		
viba_567	ZIM/7/83	bovine	73.8	0	SAT2	II		

Report on FMDV SAT2 in Turkiye in 2023

Batch: WRLFMD/2023/000074



\*, not a WRLFMD Reference Number

## Analysis Parameters

VP1 subsequence extractor:	vp1_SAT2
Query sequence set:	WRLFMD/2023/000074-Turkiye-SAT2 (18 sequences)
Sequence database set:	allseqs_SAT2 (1182 sequences)
Prototype sequence set:	!prototypes_SAT2 (25 sequences)
Number of related sequences reported:	10
Minimal VP1 subsequence match length	600
Sequence alignment method:	muscle (default parameters)
Sequence alignment length:	642
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:	13
VIBASys version:	reflabs-1.1.2

## Sequences in the Phylogenetic Tree

All sequences in the tree are in taxonomic group FMDV/SAT2

label	accession	host(s)	lab	country	taxonomic information
TUR/17/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/14/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/12/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/11/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/16/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/79/2023*	n/a	cattle	FMDI	Turkiye	XIV
TUR/10/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/6/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/15/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/7/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/8/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/5/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/19/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/13/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/20/2023b	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/9/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/18/2023	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/20/2023a	n/a	cattle	WRLFMD	Turkiye	XIV
TUR/4/2023	n/a	cattle	WRLFMD	Turkiye	XIV
IRQ/9/2023	n/a	water buffalo	WRLFMD	Iraq	XIV
IRQ/5/2023	n/a	cattle	WRLFMD	Iraq	XIV
IRQ/3/2022	n/a	water buffalo	WRLFMD	Iraq	XIV
S26/Baghdad/IRQ/2022*	n/a	water buffalo	FMDI	Iraq	XIV
S19/Baghdad/IRQ/2022*	n/a	water buffalo	FMDI	Iraq	XIV
IRQ/2/2022	n/a	water buffalo	WRLFMD	Iraq	XIV
IRQ/1/2022	n/a	water buffalo	WRLFMD	Iraq	XIV
S41/Nineveh/IRQ/2023*	n/a	cattle	FMDI	Iraq	XIV
IRQ/4/2023	n/a	cattle	WRLFMD	Iraq	XIV
IRQ/3/2023	n/a	cattle	WRLFMD	Iraq	XIV
S25/Baghdad/IRQ/2022*	n/a	water buffalo	FMDI	Iraq	XIV
IRQ/8/2023	n/a	cattle	WRLFMD	Iraq	XIV
IRQ/7/2023	n/a	cattle	WRLFMD	Iraq	XIV
IRQ/6/2023	n/a	cattle	WRLFMD	Iraq	XIV
JOR/13/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/10/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/3/2023	n/a	cattle	WRLFMD	Jordan	XIV

*continued on next page*

label	accession	host(s)	lab	country	taxonomic information
JOR/6/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/4/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/18/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/22/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/11/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/1/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/25/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/16/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/26/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/8/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/12/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/2023*	n/a	cattle	JUST	Jordan	XIV
JOR/23/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/20/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/19/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/14/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/7/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/5/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/17/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/27/2023	n/a	cattle	WRLFMD	Jordan	XIV
JOR/9/2023	n/a	cattle	WRLFMD	Jordan	XIV
ETH/3/2022	n/a	bovine	WRLFMD	Ethiopia	XIV
ETH/2/2022	n/a	bovine	WRLFMD	Ethiopia	XIV
OMN/1436/2023*	n/a	n/a	ANSES	Oman	XIV
BAR/6/2022	n/a	cattle	WRLFMD	Bahrain	XIV
BAR/7/2022	n/a	cattle	WRLFMD	Bahrain	XIV
BAR/4/2022	n/a	cattle	WRLFMD	Bahrain	XIV
BAR/5/2022	n/a	cattle	WRLFMD	Bahrain	XIV
BAR/2/2022	n/a	cattle	WRLFMD	Bahrain	XIV
OMN/1434/2023*	n/a	n/a	ANSES	Oman	XIV
ETH/1/91	FJ798158	cattle	WRLFMD	Ethiopia	XIV
ETH/3/91	FJ798160	cattle	WRLFMD	Ethiopia	XIV
ETH/2/91	FJ798159	cattle	WRLFMD	Ethiopia	XIV
ETH/2/91	AY343938	cattle	OVI	Ethiopia	XIV
SUD/6/77	AY343939	n/a	OVI	Sudan	XIII
ETH/2/2007	FJ798161	cattle	WRLFMD	Ethiopia	XIII
KEN/2/84	AY343941	bovine	OVI	Kenya	IX
UGA/51/75	AY343963	bovine	OVI	Uganda	XII
ZAI/1/74	DQ009737	n/a	OVI	Zaire	VIII
ZIM/7/83*	AF136607	bovine	OVI	Zimbabwe	II
BOT/P3/98 VUM-29*	AF367124	African buffalo	OVI	Botswana	III
MAL/1/2003	n/a	bovine	WRLFMD	Malawi	I
ZIM/14/2002	KF219689	bovine	WRLFMD	Zimbabwe	I
SA/106/59	AY593848	n/a	PIADC	South Africa (SA)	I
GHA/2/90	AF479415	bovine	OVI	Ghana	V
NIG/2/75	AF367139	bovine	OVI	Nigeria	V

\*, not a WRLFMD Reference Number

n/a, not available