

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

Genotyping Report

FMDV serotype: O
Country: Turkey
Year: 2022
Batch: WRLMEG/2022/00042
No. of sequences: 30
Report date: 1st December 2022
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/6/2022.096
Sender reference:	O/Erzurum/6/2022.096
Location of origin:	Sercebogazi, Erzurum
Country of origin:	Turkey
Date of collection:	01/02/2022
Host species:	cattle
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52023, genome 52024, sequence viba_52025, sequencing info 52026	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52041	TUR/15/2022.154	cattle	98.9	0	O	ME-SA	PanAsia-2	QOM-15
viba_52136	TUR/144/2022.769	sheep	98.9	0	O	ME-SA	PanAsia-2	QOM-15
viba_52061	TUR/87/2022.615	cattle	98.9	0	O	ME-SA	PanAsia-2	QOM-15
viba_52057	TUR/86/2022.615	cattle	98.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52091	TUR/115/2022.673	sheep	98.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52065	TUR/88/2022.615	cattle	98.6	0	O	ME-SA	PanAsia-2	QOM-15
viba_52037	TUR/14/2022.154	cattle	98.6	0	O	ME-SA	PanAsia-2	QOM-15
viba_52029	TUR/9/2022.115	sheep	98.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52111	TUR/131/2022.731	sheep	98.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52049	TUR/43.44/2022.231	cattle	98.4	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	95.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	91.9	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	91.5	0	O	ME-SA	PanAsia-2	FAR-09
viba_491	TUR/257/2008		90.8	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	90.7	0	O	ME-SA	PanAsia-2	
viba_27877	SRL/2/97	bovine	90.0	0	O	ME-SA	Srl-97	
viba_719	IRN/88/2009		90.0	0	O	ME-SA	PanAsia-2	ANT-10
viba_505	TUR/264/2009		89.9	0	O	ME-SA	PanAsia-2	SAN-09
viba_354	PAK/16/2010	cattle	89.7	0	O	ME-SA	PanAsia-2	PUN-10
viba_850	NEP/1/2015	cattle	89.4	1	O	ME-SA	PanAsia-2	KAT-15

Virus sample name:	TUR/9/2022.115
Sender reference:	O/Kars/9/2022.115
Location of origin:	Karaorgan, Kars
Country of origin:	Turkey
Date of collection:	08/02/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52027, genome 52028, sequence viba_52029, sequencing info 52030	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52041	TUR/15/2022.154	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52136	TUR/144/2022.769	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52061	TUR/87/2022.615	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52057	TUR/86/2022.615	cattle	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52091	TUR/115/2022.673	sheep	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52065	TUR/88/2022.615	cattle	99.2	0	O	ME-SA	PanAsia-2	QOM-15
viba_52037	TUR/14/2022.154	cattle	99.2	0	O	ME-SA	PanAsia-2	QOM-15
viba_52111	TUR/131/2022.731	sheep	99.1	0	O	ME-SA	PanAsia-2	QOM-15
viba_52049	TUR/43.44/2022.231	cattle	99.1	0	O	ME-SA	PanAsia-2	QOM-15
viba_52115	TUR/132/2022.731	sheep	99.1	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	96.1	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	92.6	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	91.6	0	O	ME-SA	PanAsia-2	FAR-09
viba_650	IRN/8/2005	ovine	91.0	0	O	ME-SA	PanAsia-2	
viba_491	TUR/257/2008		90.8	0	O	ME-SA	PanAsia-2	TER-08
viba_27877	SRL/2/97	bovine	90.5	0	O	ME-SA	Srl-97	
viba_719	IRN/88/2009		90.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_505	TUR/264/2009		90.2	0	O	ME-SA	PanAsia-2	SAN-09
viba_850	NEP/1/2015	cattle	90.0	1	O	ME-SA	PanAsia-2	KAT-15
viba_354	PAK/16/2010	cattle	90.0	0	O	ME-SA	PanAsia-2	PUN-10

Virus sample name:	TUR/13/2022.154
Sender reference:	O/Ardahan/13/2022.154
Location of origin:	Koprucuk, Ardahan
Country of origin:	Turkey
Date of collection:	23/02/2022
Host species:	cattle
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52031, genome 52032, sequence viba_52033, sequencing info 52034	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_47559	ISR/5/2021	cattle	98.6	0	O	ME-SA	PanAsia-2	QOM-15
viba_47237	401247/ISR/2021	cattle	98.6	0	O	ME-SA	PanAsia-2	QOM-15
viba_47563	ISR/6/2021	cattle	98.6	0	O	ME-SA	PanAsia-2	QOM-15
viba_52041	TUR/15/2022.154	cattle	98.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52136	TUR/144/2022.769	sheep	98.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52037	TUR/14/2022.154	cattle	98.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52061	TUR/87/2022.615	cattle	98.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52057	TUR/86/2022.615	cattle	98.3	0	O	ME-SA	PanAsia-2	QOM-15
viba_52029	TUR/9/2022.115	sheep	98.3	0	O	ME-SA	PanAsia-2	QOM-15
viba_52091	TUR/115/2022.673	sheep	98.3	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	95.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	92.6	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	91.3	0	O	ME-SA	PanAsia-2	FAR-09
viba_491	TUR/257/2008		91.0	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	90.7	0	O	ME-SA	PanAsia-2	
viba_719	IRN/88/2009		90.2	0	O	ME-SA	PanAsia-2	ANT-10
viba_505	TUR/264/2009		90.0	0	O	ME-SA	PanAsia-2	SAN-09
viba_27877	SRL/2/97	bovine	89.9	0	O	ME-SA	Srl-97	
viba_850	NEP/1/2015	cattle	89.7	1	O	ME-SA	PanAsia-2	KAT-15
viba_354	PAK/16/2010	cattle	89.7	0	O	ME-SA	PanAsia-2	PUN-10

Virus sample name:	TUR/14/2022.154
Sender reference:	O/Amasya/14/2022.154
Location of origin:	Dogantepe, Amasya
Country of origin:	Turkey
Date of collection:	25/02/2022
Host species:	cattle
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52035, genome 52036, sequence viba_52037, sequencing info 52038	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52041	TUR/15/2022.154	cattle	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52136	TUR/144/2022.769	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52061	TUR/87/2022.615	cattle	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52057	TUR/86/2022.615	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52091	TUR/115/2022.673	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52065	TUR/88/2022.615	cattle	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52029	TUR/9/2022.115	sheep	99.2	0	O	ME-SA	PanAsia-2	QOM-15
viba_52111	TUR/131/2022.731	sheep	99.2	0	O	ME-SA	PanAsia-2	QOM-15
viba_52049	TUR/43.44/2022.231	cattle	99.2	0	O	ME-SA	PanAsia-2	QOM-15
viba_52115	TUR/132/2022.731	sheep	99.2	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	96.2	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	92.7	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	91.8	0	O	ME-SA	PanAsia-2	FAR-09
viba_491	TUR/257/2008		91.0	0	O	ME-SA	PanAsia-2	TER-08
viba_719	IRN/88/2009		90.8	0	O	ME-SA	PanAsia-2	ANT-10
viba_650	IRN/8/2005	ovine	90.8	0	O	ME-SA	PanAsia-2	
viba_27877	SRL/2/97	bovine	90.7	0	O	ME-SA	Srl-97	
viba_850	NEP/1/2015	cattle	90.2	1	O	ME-SA	PanAsia-2	KAT-15
viba_354	PAK/16/2010	cattle	90.2	0	O	ME-SA	PanAsia-2	PUN-10
viba_505	TUR/264/2009		90.1	0	O	ME-SA	PanAsia-2	SAN-09

Virus sample name:	TUR/15/2022.154
Sender reference:	O/Amasya/15/2022.154
Location of origin:	Dogantepe, Amasya
Country of origin:	Turkey
Date of collection:	25/02/2022
Host species:	cattle
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52039, genome 52040, sequence viba_52041, sequencing info 52042	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52136	TUR/144/2022.769	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52061	TUR/87/2022.615	cattle	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52057	TUR/86/2022.615	cattle	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52091	TUR/115/2022.673	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52065	TUR/88/2022.615	cattle	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52037	TUR/14/2022.154	cattle	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52029	TUR/9/2022.115	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52111	TUR/131/2022.731	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52049	TUR/43.44/2022.231	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52115	TUR/132/2022.731	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	96.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	93.0	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	92.1	0	O	ME-SA	PanAsia-2	FAR-09
viba_491	TUR/257/2008		91.3	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	91.2	0	O	ME-SA	PanAsia-2	
viba_27877	SRL/2/97	bovine	91.0	0	O	ME-SA	Srl-97	
viba_719	IRN/88/2009		90.8	0	O	ME-SA	PanAsia-2	ANT-10
viba_354	PAK/16/2010	cattle	90.5	0	O	ME-SA	PanAsia-2	PUN-10
viba_505	TUR/264/2009		90.4	0	O	ME-SA	PanAsia-2	SAN-09
viba_850	NEP/1/2015	cattle	90.2	1	O	ME-SA	PanAsia-2	KAT-15

Virus sample name:	TUR/24/2022.212
Sender reference:	O/Eskisehir/24/2022.212
Location of origin:	Merkez, Eskisehir
Country of origin:	Turkey
Date of collection:	15/03/2022
Host species:	cattle
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52043, genome 52044, sequence viba_52045, sequencing info 52046	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52053	TUR/66/2022.327	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_47559	ISR/5/2021	cattle	98.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_47237	401247/ISR/2021	cattle	98.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_47563	ISR/6/2021	cattle	98.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_47543	ISR/1/2021	goat	97.9	0	O	ME-SA	PanAsia-2	QOM-15
viba_45472	TUR/183/2020.75	cattle	97.9	0	O	ME-SA	PanAsia-2	QOM-15
viba_47233	401025/ISR/2021	goat	97.9	0	O	ME-SA	PanAsia-2	QOM-15
viba_47555	ISR/4/2021	cattle	97.9	0	O	ME-SA	PanAsia-2	QOM-15
viba_47551	ISR/3/2021	cattle	97.9	0	O	ME-SA	PanAsia-2	QOM-15
viba_52041	TUR/15/2022.154	cattle	97.9	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	95.3	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	93.0	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	91.5	0	O	ME-SA	PanAsia-2	FAR-09
viba_491	TUR/257/2008		91.0	0	O	ME-SA	PanAsia-2	TER-08
viba_719	IRN/88/2009		90.8	0	O	ME-SA	PanAsia-2	ANT-10
viba_650	IRN/8/2005	ovine	90.5	0	O	ME-SA	PanAsia-2	
viba_505	TUR/264/2009		90.0	0	O	ME-SA	PanAsia-2	SAN-09
viba_27877	SRL/2/97	bovine	89.7	0	O	ME-SA	Srl-97	
viba_285	UKG/35/2001	porcine	89.7	0	O	ME-SA	PanAsia	
viba_850	NEP/1/2015	cattle	89.6	1	O	ME-SA	PanAsia-2	KAT-15

Virus sample name:	TUR/43.44/2022.231
Sender reference:	O/Denizli/43.44/2022.231
Location of origin:	Dariveren, Denizli
Country of origin:	Turkey
Date of collection:	28/03/2022
Host species:	cattle
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52047, genome 52048, sequence viba_52049, sequencing info 52050	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52041	TUR/15/2022.154	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52136	TUR/144/2022.769	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52061	TUR/87/2022.615	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52057	TUR/86/2022.615	cattle	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52091	TUR/115/2022.673	sheep	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52065	TUR/88/2022.615	cattle	99.2	0	O	ME-SA	PanAsia-2	QOM-15
viba_52037	TUR/14/2022.154	cattle	99.2	0	O	ME-SA	PanAsia-2	QOM-15
viba_52029	TUR/9/2022.115	sheep	99.1	0	O	ME-SA	PanAsia-2	QOM-15
viba_52111	TUR/131/2022.731	sheep	99.1	0	O	ME-SA	PanAsia-2	QOM-15
viba_52115	TUR/132/2022.731	sheep	99.1	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	96.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	93.0	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	92.1	0	O	ME-SA	PanAsia-2	FAR-09
viba_491	TUR/257/2008		91.3	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	91.0	0	O	ME-SA	PanAsia-2	
viba_27877	SRL/2/97	bovine	90.7	0	O	ME-SA	Srl-97	
viba_719	IRN/88/2009		90.7	0	O	ME-SA	PanAsia-2	ANT-10
viba_354	PAK/16/2010	cattle	90.5	0	O	ME-SA	PanAsia-2	PUN-10
viba_505	TUR/264/2009		90.4	0	O	ME-SA	PanAsia-2	SAN-09
viba_850	NEP/1/2015	cattle	90.0	1	O	ME-SA	PanAsia-2	KAT-15

Virus sample name:	TUR/66/2022.327
Sender reference:	O/Eskisehir/66/2022.327
Location of origin:	Bahcecik, Eskisehir
Country of origin:	Turkey
Date of collection:	29/04/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52051, genome 52052, sequence viba_52053, sequencing info 52054	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52045	TUR/24/2022.212	cattle	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_47559	ISR/5/2021	cattle	98.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_47237	401247/ISR/2021	cattle	98.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_47563	ISR/6/2021	cattle	98.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_47543	ISR/1/2021	goat	97.9	0	O	ME-SA	PanAsia-2	QOM-15
viba_45472	TUR/183/2020.75	cattle	97.9	0	O	ME-SA	PanAsia-2	QOM-15
viba_47233	401025/ISR/2021	goat	97.9	0	O	ME-SA	PanAsia-2	QOM-15
viba_47555	ISR/4/2021	cattle	97.9	0	O	ME-SA	PanAsia-2	QOM-15
viba_47551	ISR/3/2021	cattle	97.9	0	O	ME-SA	PanAsia-2	QOM-15
viba_52041	TUR/15/2022.154	cattle	97.9	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	95.3	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	93.0	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	91.5	0	O	ME-SA	PanAsia-2	FAR-09
viba_491	TUR/257/2008		91.0	0	O	ME-SA	PanAsia-2	TER-08
viba_719	IRN/88/2009		90.8	0	O	ME-SA	PanAsia-2	ANT-10
viba_650	IRN/8/2005	ovine	90.5	0	O	ME-SA	PanAsia-2	
viba_505	TUR/264/2009		90.0	0	O	ME-SA	PanAsia-2	SAN-09
viba_27877	SRL/2/97	bovine	89.7	0	O	ME-SA	Srl-97	
viba_285	UKG/35/2001	porcine	89.7	0	O	ME-SA	PanAsia	
viba_850	NEP/1/2015	cattle	89.6	1	O	ME-SA	PanAsia-2	KAT-15

Virus sample name:	TUR/86/2022.615
Sender reference:	O/Kars/86/2022.615
Location of origin:	Merkez-Cumhuriyet, Kars
Country of origin:	Turkey
Date of collection:	08/08/2022
Host species:	cattle
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52055, genome 52056, sequence viba_52057, sequencing info 52058	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52041	TUR/15/2022.154	cattle	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52136	TUR/144/2022.769	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52061	TUR/87/2022.615	cattle	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52091	TUR/115/2022.673	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52065	TUR/88/2022.615	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52037	TUR/14/2022.154	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52029	TUR/9/2022.115	sheep	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52111	TUR/131/2022.731	sheep	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52049	TUR/43.44/2022.231	cattle	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52115	TUR/132/2022.731	sheep	99.4	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	96.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	92.9	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	91.9	0	O	ME-SA	PanAsia-2	FAR-09
viba_491	TUR/257/2008		91.2	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	91.0	0	O	ME-SA	PanAsia-2	
viba_27877	SRL/2/97	bovine	90.8	0	O	ME-SA	Srl-97	
viba_719	IRN/88/2009		90.7	0	O	ME-SA	PanAsia-2	ANT-10
viba_354	PAK/16/2010	cattle	90.4	0	O	ME-SA	PanAsia-2	PUN-10
viba_505	TUR/264/2009		90.2	0	O	ME-SA	PanAsia-2	SAN-09
viba_850	NEP/1/2015	cattle	90.0	1	O	ME-SA	PanAsia-2	KAT-15

Virus sample name:	TUR/87/2022.615
Sender reference:	O/Kars/87/2022.615
Location of origin:	Merkez-Cumhuriyet, Kars
Country of origin:	Turkey
Date of collection:	08/08/2022
Host species:	cattle
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52059, genome 52060, sequence viba_52061, sequencing info 52062	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52041	TUR/15/2022.154	cattle	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52136	TUR/144/2022.769	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52057	TUR/86/2022.615	cattle	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52091	TUR/115/2022.673	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52065	TUR/88/2022.615	cattle	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52037	TUR/14/2022.154	cattle	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52029	TUR/9/2022.115	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52111	TUR/131/2022.731	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52049	TUR/43.44/2022.231	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52115	TUR/132/2022.731	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	96.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	93.0	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	92.1	0	O	ME-SA	PanAsia-2	FAR-09
viba_491	TUR/257/2008		91.3	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	91.2	0	O	ME-SA	PanAsia-2	
viba_27877	SRL/2/97	bovine	91.0	0	O	ME-SA	Srl-97	
viba_719	IRN/88/2009		90.8	0	O	ME-SA	PanAsia-2	ANT-10
viba_354	PAK/16/2010	cattle	90.5	0	O	ME-SA	PanAsia-2	PUN-10
viba_505	TUR/264/2009		90.4	0	O	ME-SA	PanAsia-2	SAN-09
viba_850	NEP/1/2015	cattle	90.2	1	O	ME-SA	PanAsia-2	KAT-15

Virus sample name:	TUR/88/2022.615
Sender reference:	O/Kars/88/2022.615
Location of origin:	Gulyuzu, Kars
Country of origin:	Turkey
Date of collection:	09/08/2022
Host species:	cattle
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52063, genome 52064, sequence viba_52065, sequencing info 52066	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52041	TUR/15/2022.154	cattle	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52136	TUR/144/2022.769	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52061	TUR/87/2022.615	cattle	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52057	TUR/86/2022.615	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52091	TUR/115/2022.673	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52037	TUR/14/2022.154	cattle	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52029	TUR/9/2022.115	sheep	99.2	0	O	ME-SA	PanAsia-2	QOM-15
viba_52111	TUR/131/2022.731	sheep	99.2	0	O	ME-SA	PanAsia-2	QOM-15
viba_52049	TUR/43.44/2022.231	cattle	99.2	0	O	ME-SA	PanAsia-2	QOM-15
viba_52115	TUR/132/2022.731	sheep	99.2	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	96.2	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	92.7	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	91.8	0	O	ME-SA	PanAsia-2	FAR-09
viba_491	TUR/257/2008		91.0	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	90.8	0	O	ME-SA	PanAsia-2	
viba_27877	SRL/2/97	bovine	90.7	0	O	ME-SA	Srl-97	
viba_719	IRN/88/2009		90.5	0	O	ME-SA	PanAsia-2	ANT-10
viba_850	NEP/1/2015	cattle	90.2	1	O	ME-SA	PanAsia-2	KAT-15
viba_354	PAK/16/2010	cattle	90.2	0	O	ME-SA	PanAsia-2	PUN-10
viba_505	TUR/264/2009		90.0	0	O	ME-SA	PanAsia-2	SAN-09

Virus sample name:	TUR/95/2022.635
Sender reference:	O/Agri/95/2022.635
Location of origin:	Merkez-Pinar, Agri
Country of origin:	Turkey
Date of collection:	16/08/2022
Host species:	cattle
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52067, genome 52068, sequence viba_52069, sequencing info 52070	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52099	TUR/122/2022.712	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52128	TUR/140/2022.769	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52073	TUR/96/2022.635	cattle	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52095	TUR/121/2022.692	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52107	TUR/128/2022.712	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52103	TUR/124/2022.712	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52119	TUR/135/2022.75	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52123	TUR/136/2022.75	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52144	TUR/150/2022.788	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_45464	TUR/170/2020.731	cattle	97.6	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	94.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	91.6	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	90.8	0	O	ME-SA	PanAsia-2	FAR-09
viba_719	IRN/88/2009		90.2	0	O	ME-SA	PanAsia-2	ANT-10
viba_491	TUR/257/2008		90.0	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	89.9	0	O	ME-SA	PanAsia-2	
viba_505	TUR/264/2009		89.7	0	O	ME-SA	PanAsia-2	SAN-09
viba_354	PAK/16/2010	cattle	89.6	0	O	ME-SA	PanAsia-2	PUN-10
viba_27877	SRL/2/97	bovine	89.4	0	O	ME-SA	Srl-97	
viba_293	BHU/3/2009	cattle	88.9	0	O	ME-SA	Ind-2001	d

Virus sample name:	TUR/96/2022.635
Sender reference:	O/Agri/96/2022.635
Location of origin:	Merkez-Pinar, Agri
Country of origin:	Turkey
Date of collection:	16/08/2022
Host species:	cattle
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52071, genome 52072, sequence viba_52073, sequencing info 52074	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52099	TUR/122/2022.712	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52128	TUR/140/2022.769	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52069	TUR/95/2022.635	cattle	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52095	TUR/121/2022.692	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52107	TUR/128/2022.712	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52103	TUR/124/2022.712	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52119	TUR/135/2022.75	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52123	TUR/136/2022.75	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52144	TUR/150/2022.788	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_45464	TUR/170/2020.731	cattle	97.6	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	94.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	91.6	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	90.8	0	O	ME-SA	PanAsia-2	FAR-09
viba_719	IRN/88/2009		90.2	0	O	ME-SA	PanAsia-2	ANT-10
viba_491	TUR/257/2008		90.0	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	89.9	0	O	ME-SA	PanAsia-2	
viba_505	TUR/264/2009		89.7	0	O	ME-SA	PanAsia-2	SAN-09
viba_354	PAK/16/2010	cattle	89.6	0	O	ME-SA	PanAsia-2	PUN-10
viba_27877	SRL/2/97	bovine	89.4	0	O	ME-SA	Srl-97	
viba_293	BHU/3/2009	cattle	88.9	0	O	ME-SA	Ind-2001	d

Virus sample name:	TUR/99/2022.635
Sender reference:	O/Ardahan/99/2022.635
Location of origin:	Karakale, Ardahan
Country of origin:	Turkey
Date of collection:	16/08/2022
Host species:	cattle
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	ANT-10
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52075, genome 52076, sequence viba_52077, sequencing info 52078	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52140	TUR/149/2022.769	sheep	99.8	0	O	ME-SA	PanAsia-2	ANT-10
viba_52087	TUR/106/2022.654	sheep	99.7	0	O	ME-SA	PanAsia-2	ANT-10
viba_52132	TUR/143/2022.769	sheep	99.7	0	O	ME-SA	PanAsia-2	ANT-10
viba_52082	TUR/101/2022.635	sheep	99.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_48434	IRN/22/2020	bovine	98.7	0	O	ME-SA	PanAsia-2	ANT-10
viba_48394	IRN/5/2020	bovine	98.6	0	O	ME-SA	PanAsia-2	ANT-10
viba_48418	IRN/15/2020	sheep	98.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_48398	IRN/7/2020	bovine	98.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_48390	IRN/4/2020	bovine	98.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_48402	IRN/8/2020	bovine	98.3	0	O	ME-SA	PanAsia-2	ANT-10

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_719	IRN/88/2009		92.0	0	O	ME-SA	PanAsia-2	ANT-10
viba_491	TUR/257/2008		90.2	0	O	ME-SA	PanAsia-2	TER-08
viba_766	IRN/31/2009	cattle	90.2	0	O	ME-SA	PanAsia-2	FAR-09
viba_354	PAK/16/2010	cattle	89.7	0	O	ME-SA	PanAsia-2	PUN-10
viba_666	IRN/18/2010	cattle	89.6	0	O	ME-SA	PanAsia-2	BAL-09
viba_505	TUR/264/2009		89.6	0	O	ME-SA	PanAsia-2	SAN-09
viba_650	IRN/8/2005	ovine	89.4	0	O	ME-SA	PanAsia-2	
viba_285	UKG/35/2001	porcine	89.1	0	O	ME-SA	PanAsia	
viba_27877	SRL/2/97	bovine	88.8	0	O	ME-SA	Srl-97	
viba_860	IRN/6/2015	cattle	88.8	0	O	ME-SA	PanAsia-2	QOM-15

Virus sample name:	TUR/101/2022.635
Sender reference:	O/Van/101/2022.635
Location of origin:	Asagitulgali, Van
Country of origin:	Turkey
Date of collection:	17/08/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	ANT-10
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52079, genome 52081, sequence viba_52082, sequencing info 52083	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52077	TUR/99/2022.635	cattle	99.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_52087	TUR/106/2022.654	sheep	99.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_52132	TUR/143/2022.769	sheep	99.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_52140	TUR/149/2022.769	sheep	99.2	0	O	ME-SA	PanAsia-2	ANT-10
viba_48434	IRN/22/2020	bovine	98.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_48394	IRN/5/2020	bovine	98.3	0	O	ME-SA	PanAsia-2	ANT-10
viba_48418	IRN/15/2020	sheep	98.1	0	O	ME-SA	PanAsia-2	ANT-10
viba_48398	IRN/7/2020	bovine	98.1	0	O	ME-SA	PanAsia-2	ANT-10
viba_48390	IRN/4/2020	bovine	98.1	0	O	ME-SA	PanAsia-2	ANT-10
viba_48402	IRN/8/2020	bovine	97.9	0	O	ME-SA	PanAsia-2	ANT-10

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_719	IRN/88/2009		91.7	0	O	ME-SA	PanAsia-2	ANT-10
viba_491	TUR/257/2008		89.9	0	O	ME-SA	PanAsia-2	TER-08
viba_766	IRN/31/2009	cattle	89.9	0	O	ME-SA	PanAsia-2	FAR-09
viba_354	PAK/16/2010	cattle	89.7	0	O	ME-SA	PanAsia-2	PUN-10
viba_650	IRN/8/2005	ovine	89.4	0	O	ME-SA	PanAsia-2	
viba_666	IRN/18/2010	cattle	89.3	0	O	ME-SA	PanAsia-2	BAL-09
viba_505	TUR/264/2009		89.3	0	O	ME-SA	PanAsia-2	SAN-09
viba_285	UKG/35/2001	porcine	89.1	0	O	ME-SA	PanAsia	
viba_27877	SRL/2/97	bovine	88.5	0	O	ME-SA	Sri-97	
viba_860	IRN/6/2015	cattle	88.2	0	O	ME-SA	PanAsia-2	QOM-15

Virus sample name:	TUR/106/2022.654
Sender reference:	O/Yozgat/106/2022.654
Location of origin:	Mirahor, Yozgat
Country of origin:	Turkey
Date of collection:	25/08/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	ANT-10
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:	01/12/2022
Last updated:	01/12/2022

VIBASys IDs: sample 52084, genome 52086, sequence viba_52087, sequencing info 52088

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52077	TUR/99/2022.635	cattle	99.7	0	O	ME-SA	PanAsia-2	ANT-10
viba_52132	TUR/143/2022.769	sheep	99.7	0	O	ME-SA	PanAsia-2	ANT-10
viba_52140	TUR/149/2022.769	sheep	99.5	0	O	ME-SA	PanAsia-2	ANT-10
viba_52082	TUR/101/2022.635	sheep	99.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_48434	IRN/22/2020	bovine	98.7	0	O	ME-SA	PanAsia-2	ANT-10
viba_48394	IRN/5/2020	bovine	98.6	0	O	ME-SA	PanAsia-2	ANT-10
viba_48418	IRN/15/2020	sheep	98.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_48398	IRN/7/2020	bovine	98.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_48390	IRN/4/2020	bovine	98.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_48402	IRN/8/2020	bovine	98.3	0	O	ME-SA	PanAsia-2	ANT-10

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_719	IRN/88/2009		92.0	0	O	ME-SA	PanAsia-2	ANT-10
viba_491	TUR/257/2008		90.2	0	O	ME-SA	PanAsia-2	TER-08
viba_766	IRN/31/2009	cattle	90.2	0	O	ME-SA	PanAsia-2	FAR-09
viba_354	PAK/16/2010	cattle	89.7	0	O	ME-SA	PanAsia-2	PUN-10
viba_666	IRN/18/2010	cattle	89.6	0	O	ME-SA	PanAsia-2	BAL-09
viba_505	TUR/264/2009		89.6	0	O	ME-SA	PanAsia-2	SAN-09
viba_650	IRN/8/2005	ovine	89.4	0	O	ME-SA	PanAsia-2	
viba_285	UKG/35/2001	porcine	89.1	0	O	ME-SA	PanAsia	
viba_27877	SRL/2/97	bovine	88.8	0	O	ME-SA	Srl-97	
viba_860	IRN/6/2015	cattle	88.5	0	O	ME-SA	PanAsia-2	QOM-15

Virus sample name:	TUR/115/2022.673
Sender reference:	O/Erzurum/115/2022.673
Location of origin:	ilica, Erzurum
Country of origin:	Turkey
Date of collection:	31/08/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52089, genome 52090, sequence viba_52091, sequencing info 52092	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52041	TUR/15/2022.154	cattle	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52136	TUR/144/2022.769	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52061	TUR/87/2022.615	cattle	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52057	TUR/86/2022.615	cattle	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52065	TUR/88/2022.615	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52037	TUR/14/2022.154	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52029	TUR/9/2022.115	sheep	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52111	TUR/131/2022.731	sheep	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52049	TUR/43.44/2022.231	cattle	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52115	TUR/132/2022.731	sheep	99.4	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	96.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	92.9	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	91.9	0	O	ME-SA	PanAsia-2	FAR-09
viba_491	TUR/257/2008		91.2	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	91.0	0	O	ME-SA	PanAsia-2	
viba_27877	SRL/2/97	bovine	90.8	0	O	ME-SA	Srl-97	
viba_719	IRN/88/2009		90.7	0	O	ME-SA	PanAsia-2	ANT-10
viba_354	PAK/16/2010	cattle	90.4	0	O	ME-SA	PanAsia-2	PUN-10
viba_505	TUR/264/2009		90.2	0	O	ME-SA	PanAsia-2	SAN-09
viba_850	NEP/1/2015	cattle	90.0	1	O	ME-SA	PanAsia-2	KAT-15

Virus sample name:	TUR/121/2022.692
Sender reference:	O/Cankiri/121/2022.692
Location of origin:	Kayacik, Cankiri
Country of origin:	Turkey
Date of collection:	09/09/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52093, genome 52094, sequence viba_52095, sequencing info 52096	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52099	TUR/122/2022.712	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52128	TUR/140/2022.769	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52069	TUR/95/2022.635	cattle	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52073	TUR/96/2022.635	cattle	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52107	TUR/128/2022.712	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52103	TUR/124/2022.712	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52119	TUR/135/2022.75	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52123	TUR/136/2022.75	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52144	TUR/150/2022.788	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_45464	TUR/170/2020.731	cattle	97.6	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	94.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	91.6	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	90.8	0	O	ME-SA	PanAsia-2	FAR-09
viba_719	IRN/88/2009		90.2	0	O	ME-SA	PanAsia-2	ANT-10
viba_491	TUR/257/2008		90.0	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	89.9	0	O	ME-SA	PanAsia-2	
viba_505	TUR/264/2009		89.7	0	O	ME-SA	PanAsia-2	SAN-09
viba_354	PAK/16/2010	cattle	89.6	0	O	ME-SA	PanAsia-2	PUN-10
viba_27877	SRL/2/97	bovine	89.4	0	O	ME-SA	Srl-97	
viba_293	BHU/3/2009	cattle	88.9	0	O	ME-SA	Ind-2001	d

Virus sample name:	TUR/122/2022.712
Sender reference:	O/Ankara/122/2022.712
Location of origin:	Koseli, Ankara
Country of origin:	Turkey
Date of collection:	12/09/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52097, genome 52098, sequence viba_52099, sequencing info 52100	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52128	TUR/140/2022.769	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52069	TUR/95/2022.635	cattle	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52073	TUR/96/2022.635	cattle	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52095	TUR/121/2022.692	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52107	TUR/128/2022.712	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52103	TUR/124/2022.712	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52119	TUR/135/2022.75	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52123	TUR/136/2022.75	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52144	TUR/150/2022.788	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_45464	TUR/170/2020.731	cattle	97.6	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	94.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	91.6	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	90.8	0	O	ME-SA	PanAsia-2	FAR-09
viba_719	IRN/88/2009		90.2	0	O	ME-SA	PanAsia-2	ANT-10
viba_491	TUR/257/2008		90.0	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	89.9	0	O	ME-SA	PanAsia-2	
viba_505	TUR/264/2009		89.7	0	O	ME-SA	PanAsia-2	SAN-09
viba_354	PAK/16/2010	cattle	89.6	0	O	ME-SA	PanAsia-2	PUN-10
viba_27877	SRL/2/97	bovine	89.4	0	O	ME-SA	Srl-97	
viba_293	BHU/3/2009	cattle	88.9	0	O	ME-SA	Ind-2001	d

Virus sample name:	TUR/124/2022.712
Sender reference:	O/Kars/124/2022.712
Location of origin:	Akoren, Kars
Country of origin:	Turkey
Date of collection:	12/09/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52101, genome 52102, sequence viba_52103, sequencing info 52104	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52099	TUR/122/2022.712	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52128	TUR/140/2022.769	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52069	TUR/95/2022.635	cattle	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52073	TUR/96/2022.635	cattle	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52095	TUR/121/2022.692	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52107	TUR/128/2022.712	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52119	TUR/135/2022.75	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52123	TUR/136/2022.75	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52144	TUR/150/2022.788	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_45464	TUR/170/2020.731	cattle	97.5	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	94.6	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	91.5	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	90.7	0	O	ME-SA	PanAsia-2	FAR-09
viba_719	IRN/88/2009		90.0	0	O	ME-SA	PanAsia-2	ANT-10
viba_491	TUR/257/2008		89.9	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	89.7	0	O	ME-SA	PanAsia-2	
viba_505	TUR/264/2009		89.6	0	O	ME-SA	PanAsia-2	SAN-09
viba_354	PAK/16/2010	cattle	89.4	0	O	ME-SA	PanAsia-2	PUN-10
viba_27877	SRL/2/97	bovine	89.3	0	O	ME-SA	Srl-97	
viba_293	BHU/3/2009	cattle	88.8	0	O	ME-SA	Ind-2001	d

Virus sample name:	TUR/128/2022.712
Sender reference:	O/Erzincan/128/2022.712
Location of origin:	Sehitler, Erzincan
Country of origin:	Turkey
Date of collection:	13/09/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52105, genome 52106, sequence viba_52107, sequencing info 52108	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52099	TUR/122/2022.712	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52128	TUR/140/2022.769	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52069	TUR/95/2022.635	cattle	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52073	TUR/96/2022.635	cattle	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52095	TUR/121/2022.692	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52103	TUR/124/2022.712	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52119	TUR/135/2022.75	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52123	TUR/136/2022.75	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52144	TUR/150/2022.788	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_45464	TUR/170/2020.731	cattle	97.5	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	94.6	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	91.5	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	90.7	0	O	ME-SA	PanAsia-2	FAR-09
viba_719	IRN/88/2009		90.0	0	O	ME-SA	PanAsia-2	ANT-10
viba_491	TUR/257/2008		89.9	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	89.7	0	O	ME-SA	PanAsia-2	
viba_505	TUR/264/2009		89.6	0	O	ME-SA	PanAsia-2	SAN-09
viba_354	PAK/16/2010	cattle	89.4	0	O	ME-SA	PanAsia-2	PUN-10
viba_27877	SRL/2/97	bovine	89.3	0	O	ME-SA	Srl-97	
viba_293	BHU/3/2009	cattle	88.8	0	O	ME-SA	Ind-2001	d

Virus sample name:	TUR/131/2022.731
Sender reference:	O/Yozgat/131/2022.731
Location of origin:	Sobecimen, Yozgat
Country of origin:	Turkey
Date of collection:	20/09/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52109, genome 52110, sequence viba_52111, sequencing info 52112	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52115	TUR/132/2022.731	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52041	TUR/15/2022.154	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52136	TUR/144/2022.769	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52061	TUR/87/2022.615	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52057	TUR/86/2022.615	cattle	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52091	TUR/115/2022.673	sheep	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52065	TUR/88/2022.615	cattle	99.2	0	O	ME-SA	PanAsia-2	QOM-15
viba_52037	TUR/14/2022.154	cattle	99.2	0	O	ME-SA	PanAsia-2	QOM-15
viba_52029	TUR/9/2022.115	sheep	99.1	0	O	ME-SA	PanAsia-2	QOM-15
viba_52049	TUR/43.44/2022.231	cattle	99.1	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	96.1	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	92.9	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	92.3	0	O	ME-SA	PanAsia-2	FAR-09
viba_491	TUR/257/2008		91.5	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	91.3	0	O	ME-SA	PanAsia-2	
viba_719	IRN/88/2009		91.2	0	O	ME-SA	PanAsia-2	ANT-10
viba_27877	SRL/2/97	bovine	90.8	0	O	ME-SA	Srl-97	
viba_354	PAK/16/2010	cattle	90.7	0	O	ME-SA	PanAsia-2	PUN-10
viba_505	TUR/264/2009		90.5	0	O	ME-SA	PanAsia-2	SAN-09
viba_285	UKG/35/2001	porcine	90.2	0	O	ME-SA	PanAsia	

Virus sample name:	TUR/132/2022.731
Sender reference:	O/Yozgat/132/2022.731
Location of origin:	Sobecimen, Yozgat
Country of origin:	Turkey
Date of collection:	20/09/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022

VIBASys IDs: sample 52113, genome 52114, sequence viba_52115, sequencing info 52116

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52111	TUR/131/2022.731	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52041	TUR/15/2022.154	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52136	TUR/144/2022.769	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52061	TUR/87/2022.615	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52057	TUR/86/2022.615	cattle	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52091	TUR/115/2022.673	sheep	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_52065	TUR/88/2022.615	cattle	99.2	0	O	ME-SA	PanAsia-2	QOM-15
viba_52037	TUR/14/2022.154	cattle	99.2	0	O	ME-SA	PanAsia-2	QOM-15
viba_52029	TUR/9/2022.115	sheep	99.1	0	O	ME-SA	PanAsia-2	QOM-15
viba_52049	TUR/43.44/2022.231	cattle	99.1	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	96.1	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	92.9	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	92.3	0	O	ME-SA	PanAsia-2	FAR-09
viba_491	TUR/257/2008		91.5	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	91.3	0	O	ME-SA	PanAsia-2	
viba_719	IRN/88/2009		91.2	0	O	ME-SA	PanAsia-2	ANT-10
viba_27877	SRL/2/97	bovine	90.8	0	O	ME-SA	Srl-97	
viba_354	PAK/16/2010	cattle	90.7	0	O	ME-SA	PanAsia-2	PUN-10
viba_505	TUR/264/2009		90.5	0	O	ME-SA	PanAsia-2	SAN-09
viba_285	UKG/35/2001	porcine	90.2	0	O	ME-SA	PanAsia	

Virus sample name:	TUR/135/2022.75
Sender reference:	O/Burdur/135/2022.750
Location of origin:	Harmanli, Burdur
Country of origin:	Turkey
Date of collection:	26/09/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52117, genome 52118, sequence viba_52119, sequencing info 52120	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52099	TUR/122/2022.712	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52128	TUR/140/2022.769	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52069	TUR/95/2022.635	cattle	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52073	TUR/96/2022.635	cattle	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52095	TUR/121/2022.692	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52107	TUR/128/2022.712	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52103	TUR/124/2022.712	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52123	TUR/136/2022.75	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52144	TUR/150/2022.788	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_45464	TUR/170/2020.731	cattle	97.5	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	94.6	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	91.5	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	90.7	0	O	ME-SA	PanAsia-2	FAR-09
viba_719	IRN/88/2009		90.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_491	TUR/257/2008		89.9	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	89.7	0	O	ME-SA	PanAsia-2	
viba_505	TUR/264/2009		89.6	0	O	ME-SA	PanAsia-2	SAN-09
viba_354	PAK/16/2010	cattle	89.4	0	O	ME-SA	PanAsia-2	PUN-10
viba_27877	SRL/2/97	bovine	89.3	0	O	ME-SA	Srl-97	
viba_850	NEP/1/2015	cattle	89.1	1	O	ME-SA	PanAsia-2	KAT-15

Virus sample name:	TUR/136/2022.75
Sender reference:	O/Eskisehir/136/2022.750
Location of origin:	Agapinar, Eskisehir
Country of origin:	Turkey
Date of collection:	27/09/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022

VIBASys IDs: sample 52121, genome 52122, sequence viba_52123, sequencing info 52124

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52099	TUR/122/2022.712	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52128	TUR/140/2022.769	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52069	TUR/95/2022.635	cattle	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52073	TUR/96/2022.635	cattle	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52095	TUR/121/2022.692	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52107	TUR/128/2022.712	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52103	TUR/124/2022.712	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52119	TUR/135/2022.75	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52144	TUR/150/2022.788	sheep	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_45464	TUR/170/2020.731	cattle	97.3	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	94.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	91.6	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	90.8	0	O	ME-SA	PanAsia-2	FAR-09
viba_719	IRN/88/2009		89.9	0	O	ME-SA	PanAsia-2	ANT-10
viba_491	TUR/257/2008		89.7	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	89.6	0	O	ME-SA	PanAsia-2	
viba_505	TUR/264/2009		89.4	0	O	ME-SA	PanAsia-2	SAN-09
viba_354	PAK/16/2010	cattle	89.3	0	O	ME-SA	PanAsia-2	PUN-10
viba_27877	SRL/2/97	bovine	89.1	0	O	ME-SA	Srl-97	
viba_285	UKG/35/2001	porcine	88.9	0	O	ME-SA	PanAsia	

Virus sample name:	TUR/140/2022.769
Sender reference:	O/Kayseri/140/2022.769
Location of origin:	Palas, Kayseri
Country of origin:	Turkey
Date of collection:	04/10/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52125, genome 52127, sequence viba_52128, sequencing info 52129	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52099	TUR/122/2022.712	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52069	TUR/95/2022.635	cattle	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52073	TUR/96/2022.635	cattle	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52095	TUR/121/2022.692	sheep	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52107	TUR/128/2022.712	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52103	TUR/124/2022.712	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52119	TUR/135/2022.75	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52123	TUR/136/2022.75	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52144	TUR/150/2022.788	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_45464	TUR/170/2020.731	cattle	97.6	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	94.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	91.6	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	90.8	0	O	ME-SA	PanAsia-2	FAR-09
viba_719	IRN/88/2009		90.2	0	O	ME-SA	PanAsia-2	ANT-10
viba_491	TUR/257/2008		90.0	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	89.9	0	O	ME-SA	PanAsia-2	
viba_505	TUR/264/2009		89.7	0	O	ME-SA	PanAsia-2	SAN-09
viba_354	PAK/16/2010	cattle	89.6	0	O	ME-SA	PanAsia-2	PUN-10
viba_27877	SRL/2/97	bovine	89.4	0	O	ME-SA	Srl-97	
viba_293	BHU/3/2009	cattle	88.9	0	O	ME-SA	Ind-2001	d

Virus sample name:	TUR/143/2022.769
Sender reference:	O/Mus/143/2022.769
Location of origin:	Karaagacli, Mus
Country of origin:	Turkey
Date of collection:	06/10/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	ANT-10
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52130, genome 52131, sequence viba_52132, sequencing info 52133	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52077	TUR/99/2022.635	cattle	99.7	0	O	ME-SA	PanAsia-2	ANT-10
viba_52087	TUR/106/2022.654	sheep	99.7	0	O	ME-SA	PanAsia-2	ANT-10
viba_52140	TUR/149/2022.769	sheep	99.5	0	O	ME-SA	PanAsia-2	ANT-10
viba_52082	TUR/101/2022.635	sheep	99.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_48434	IRN/22/2020	bovine	98.7	0	O	ME-SA	PanAsia-2	ANT-10
viba_48394	IRN/5/2020	bovine	98.6	0	O	ME-SA	PanAsia-2	ANT-10
viba_48418	IRN/15/2020	sheep	98.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_48398	IRN/7/2020	bovine	98.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_48390	IRN/4/2020	bovine	98.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_48402	IRN/8/2020	bovine	98.3	0	O	ME-SA	PanAsia-2	ANT-10

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_719	IRN/88/2009		92.3	0	O	ME-SA	PanAsia-2	ANT-10
viba_491	TUR/257/2008		90.5	0	O	ME-SA	PanAsia-2	TER-08
viba_766	IRN/31/2009	cattle	90.5	0	O	ME-SA	PanAsia-2	FAR-09
viba_354	PAK/16/2010	cattle	90.0	0	O	ME-SA	PanAsia-2	PUN-10
viba_666	IRN/18/2010	cattle	89.9	0	O	ME-SA	PanAsia-2	BAL-09
viba_505	TUR/264/2009		89.9	0	O	ME-SA	PanAsia-2	SAN-09
viba_650	IRN/8/2005	ovine	89.7	0	O	ME-SA	PanAsia-2	
viba_285	UKG/35/2001	porcine	89.4	0	O	ME-SA	PanAsia	
viba_27877	SRL/2/97	bovine	89.1	0	O	ME-SA	Srl-97	
viba_860	IRN/6/2015	cattle	88.8	0	O	ME-SA	PanAsia-2	QOM-15

Virus sample name:	TUR/144/2022.769
Sender reference:	O/Erzurum/144/2022.769
Location of origin:	Kazandere, Erzurum
Country of origin:	Turkey
Date of collection:	05/10/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52134, genome 52135, sequence viba_52136, sequencing info 52137	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52041	TUR/15/2022.154	cattle	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52061	TUR/87/2022.615	cattle	100.0	0	O	ME-SA	PanAsia-2	QOM-15
viba_52057	TUR/86/2022.615	cattle	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52091	TUR/115/2022.673	sheep	99.8	0	O	ME-SA	PanAsia-2	QOM-15
viba_52065	TUR/88/2022.615	cattle	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52037	TUR/14/2022.154	cattle	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52029	TUR/9/2022.115	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52111	TUR/131/2022.731	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52049	TUR/43.44/2022.231	cattle	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52115	TUR/132/2022.731	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	96.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	93.0	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	92.1	0	O	ME-SA	PanAsia-2	FAR-09
viba_491	TUR/257/2008		91.3	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	91.2	0	O	ME-SA	PanAsia-2	
viba_27877	SRL/2/97	bovine	91.0	0	O	ME-SA	Srl-97	
viba_719	IRN/88/2009		90.8	0	O	ME-SA	PanAsia-2	ANT-10
viba_354	PAK/16/2010	cattle	90.5	0	O	ME-SA	PanAsia-2	PUN-10
viba_505	TUR/264/2009		90.4	0	O	ME-SA	PanAsia-2	SAN-09
viba_850	NEP/1/2015	cattle	90.2	1	O	ME-SA	PanAsia-2	KAT-15

Virus sample name:	TUR/149/2022.769
Sender reference:	O/Ardahan/149/2022.769
Location of origin:	Incedere, Ardahan
Country of origin:	Turkey
Date of collection:	07/10/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	ANT-10
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52138, genome 52139, sequence viba_52140, sequencing info 52141	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52077	TUR/99/2022.635	cattle	99.8	0	O	ME-SA	PanAsia-2	ANT-10
viba_52087	TUR/106/2022.654	sheep	99.5	0	O	ME-SA	PanAsia-2	ANT-10
viba_52132	TUR/143/2022.769	sheep	99.5	0	O	ME-SA	PanAsia-2	ANT-10
viba_52082	TUR/101/2022.635	sheep	99.2	0	O	ME-SA	PanAsia-2	ANT-10
viba_48434	IRN/22/2020	bovine	98.6	0	O	ME-SA	PanAsia-2	ANT-10
viba_48394	IRN/5/2020	bovine	98.4	0	O	ME-SA	PanAsia-2	ANT-10
viba_48418	IRN/15/2020	sheep	98.3	0	O	ME-SA	PanAsia-2	ANT-10
viba_48398	IRN/7/2020	bovine	98.3	0	O	ME-SA	PanAsia-2	ANT-10
viba_48390	IRN/4/2020	bovine	98.3	0	O	ME-SA	PanAsia-2	ANT-10
viba_48402	IRN/8/2020	bovine	98.1	0	O	ME-SA	PanAsia-2	ANT-10

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_719	IRN/88/2009		92.1	0	O	ME-SA	PanAsia-2	ANT-10
viba_491	TUR/257/2008		90.4	0	O	ME-SA	PanAsia-2	TER-08
viba_766	IRN/31/2009	cattle	90.4	0	O	ME-SA	PanAsia-2	FAR-09
viba_354	PAK/16/2010	cattle	89.9	0	O	ME-SA	PanAsia-2	PUN-10
viba_666	IRN/18/2010	cattle	89.7	0	O	ME-SA	PanAsia-2	BAL-09
viba_505	TUR/264/2009		89.7	0	O	ME-SA	PanAsia-2	SAN-09
viba_650	IRN/8/2005	ovine	89.6	0	O	ME-SA	PanAsia-2	
viba_285	UKG/35/2001	porcine	89.3	0	O	ME-SA	PanAsia	
viba_27877	SRL/2/97	bovine	88.9	0	O	ME-SA	Srl-97	
viba_860	IRN/6/2015	cattle	88.9	0	O	ME-SA	PanAsia-2	QOM-15

Virus sample name:	TUR/150/2022.788
Sender reference:	O/Erzurum/150/2022.788
Location of origin:	Kiyikonak, Erzurum
Country of origin:	Turkey
Date of collection:	11/10/2022
Host species:	sheep
Serotype:	O
Topotype:	ME-SA
Lineage:	PanAsia-2
Sublineage:	QOM-15
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:	01/12/2022
Last updated:	01/12/2022
VIBASys IDs: sample 52142, genome 52143, sequence viba_52144, sequencing info 52145	

Most Closely Related Sequences

sequence	virus name	Host	% Id.	# Ambig.	serotype	topotype	lineage	sublineage
viba_52099	TUR/122/2022.712	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52128	TUR/140/2022.769	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52069	TUR/95/2022.635	cattle	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52073	TUR/96/2022.635	cattle	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52095	TUR/121/2022.692	sheep	99.7	0	O	ME-SA	PanAsia-2	QOM-15
viba_52107	TUR/128/2022.712	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52103	TUR/124/2022.712	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52119	TUR/135/2022.75	sheep	99.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_52123	TUR/136/2022.75	sheep	99.4	0	O	ME-SA	PanAsia-2	QOM-15
viba_45464	TUR/170/2020.731	cattle	97.3	0	O	ME-SA	PanAsia-2	QOM-15

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_860	IRN/6/2015	cattle	94.5	0	O	ME-SA	PanAsia-2	QOM-15
viba_666	IRN/18/2010	cattle	91.3	0	O	ME-SA	PanAsia-2	BAL-09
viba_766	IRN/31/2009	cattle	90.8	0	O	ME-SA	PanAsia-2	FAR-09
viba_719	IRN/88/2009		90.2	0	O	ME-SA	PanAsia-2	ANT-10
viba_491	TUR/257/2008		90.0	0	O	ME-SA	PanAsia-2	TER-08
viba_650	IRN/8/2005	ovine	89.9	0	O	ME-SA	PanAsia-2	
viba_505	TUR/264/2009		89.7	0	O	ME-SA	PanAsia-2	SAN-09
viba_354	PAK/16/2010	cattle	89.5	0	O	ME-SA	PanAsia-2	PUN-10
viba_27877	SRL/2/97	bovine	89.1	0	O	ME-SA	Srl-97	
viba_293	BHU/3/2009	cattle	88.9	0	O	ME-SA	Ind-2001	d

Report on FMDV O in Turkey in 2022

Batch: WRLMEG/2022/00042



*, not a WRLFMD Reference Number

Analysis Parameters

VP1 subsequence extractor: vp1_O
 Query sequence set: WRLMEG/2022/00042-Turkey-O (30 sequences)
 Sequence database set: allseqs_O (5800 sequences)
 Prototype sequence set: !prototypes_O (58 sequences)
 Number of related sequences reported: 10
 Minimal VP1 subsequence match length: 600
 Sequence alignment method: muscle (default parameters)
 Sequence alignment length: 636
 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: 12
 VIBASys version: reflabs-1.1.2

Sequences in the Phylogenetic Tree

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

label	accession	host(s)	lab	country	taxonomic information
TUR/101/2022.635*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/ANT-10
TUR/106/2022.654*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/ANT-10
TUR/149/2022.769*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/ANT-10
TUR/99/2022.635*	n/a	cattle	FMDI	Turkey	ME-SA/PanAsia-2/ANT-10
TUR/143/2022.769*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/ANT-10
IRN/21/2020	n/a	bovine	WRLFMD	Iran	ME-SA/PanAsia-2/ANT-10
TUR/178/2020.75*	n/a	cattle	FMDI	Turkey	ME-SA/PanAsia-2/ANT-10
IRN/7/2020	n/a	bovine	WRLFMD	Iran	ME-SA/PanAsia-2/ANT-10
IRN/8/2020	n/a	bovine	WRLFMD	Iran	ME-SA/PanAsia-2/ANT-10
IRN/5/2020	n/a	bovine	WRLFMD	Iran	ME-SA/PanAsia-2/ANT-10
IRN/22/2020	n/a	bovine	WRLFMD	Iran	ME-SA/PanAsia-2/ANT-10
IRN/4/2020	n/a	bovine	WRLFMD	Iran	ME-SA/PanAsia-2/ANT-10
IRN/11/2020	n/a	sheep	WRLFMD	Iran	ME-SA/PanAsia-2/ANT-10
IRN/7/2021	n/a	bovine	WRLFMD	Iran	ME-SA/PanAsia-2/ANT-10
IRN/12/2021	n/a	bovine	WRLFMD	Iran	ME-SA/PanAsia-2/ANT-10
IRN/13/2021	n/a	sheep	WRLFMD	Iran	ME-SA/PanAsia-2/ANT-10
IRN/11/2021	n/a	bovine	WRLFMD	Iran	ME-SA/PanAsia-2/ANT-10
IRN/16/2020	n/a	bovine	WRLFMD	Iran	ME-SA/PanAsia-2/ANT-10
IRN/10/2020	n/a	bovine	WRLFMD	Iran	ME-SA/PanAsia-2/ANT-10
IRN/15/2020	n/a	sheep	WRLFMD	Iran	ME-SA/PanAsia-2/ANT-10
IRN/9/2020	n/a	bovine	WRLFMD	Iran	ME-SA/PanAsia-2/ANT-10
TUR/156/2020.635*	n/a	cattle	FMDI	Turkey	ME-SA/PanAsia-2/ANT-10
SRL/2/97	AJ303531	bovine	WRLFMD	Sri Lanka	ME-SA/Srl-97
UKG/35/2001	AJ539141	porcine	PIADC	United Kingdom	ME-SA/PanAsia
PAK/16/2010	KY091285	cattle	WRLFMD	Pakistan	ME-SA/PanAsia-2/PUN-10
IRN/31/2009	KY091284	cattle	WRLFMD	Iran	ME-SA/PanAsia-2/FAR-09
IRN/88/2009	KY091282	n/a	WRLFMD	Iran	ME-SA/PanAsia-2/ANT-10
IRN/8/2005	KY091281	ovine	WRLFMD	Iran	ME-SA/PanAsia-2
TUR/257/2008*	n/a	n/a	FMDI-Ankara	Turkey	ME-SA/PanAsia-2/TER-08
TUR/264/2009*	n/a	n/a	FMDI-Ankara	Turkey	ME-SA/PanAsia-2/SAN-09
TUR/136/2022.75*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/128/2022.712*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/124/2022.712*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/95/2022.635*	n/a	cattle	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/140/2022.769*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/121/2022.692*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15

continued on next page

label	accession	host(s)	lab	country	taxonomic information
TUR/96/2022.635*	n/a	cattle	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/122/2022.712*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/150/2022.788*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/135/2022.75*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/170/2020.731*	n/a	cattle	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/183/2020.75*	n/a	cattle	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/24/2022.212*	n/a	cattle	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/66/2022.327*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
ISR/4/2021	n/a	cattle	WRLFMD	Israel	ME-SA/PanAsia-2/QOM-15
ISR/3/2021	n/a	cattle	WRLFMD	Israel	ME-SA/PanAsia-2/QOM-15
401025/ISR/2021*	n/a	goat	KVI	Israel	ME-SA/PanAsia-2/QOM-15
401026/ISR/2021*	n/a	cattle	KVI	Israel	ME-SA/PanAsia-2/QOM-15
ISR/2/2021	n/a	goat	WRLFMD	Israel	ME-SA/PanAsia-2/QOM-15
ISR/1/2021	n/a	goat	WRLFMD	Israel	ME-SA/PanAsia-2/QOM-15
ISR/6/2021	n/a	cattle	WRLFMD	Israel	ME-SA/PanAsia-2/QOM-15
ISR/5/2021	n/a	cattle	WRLFMD	Israel	ME-SA/PanAsia-2/QOM-15
401247/ISR/2021*	n/a	cattle	KVI	Israel	ME-SA/PanAsia-2/QOM-15
TUR/13/2022.154*	n/a	cattle	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/43.44/2022.231*	n/a	cattle	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/14/2022.154*	n/a	cattle	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/131/2022.731*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/132/2022.731*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/9/2022.115*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/88/2022.615*	n/a	cattle	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/144/2022.769*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/6/2022.096*	n/a	cattle	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/87/2022.615*	n/a	cattle	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/15/2022.154*	n/a	cattle	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/115/2022.673*	n/a	sheep	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
TUR/86/2022.615*	n/a	cattle	FMDI	Turkey	ME-SA/PanAsia-2/QOM-15
IRN/6/2015	MN276044	cattle	WRLFMD	Iran	ME-SA/PanAsia-2/QOM-15
IRN/18/2010	KY091283	cattle	WRLFMD	Iran	ME-SA/PanAsia-2/BAL-09
NEP/1/2015	MN276045	cattle	WRLFMD	Nepal	ME-SA/PanAsia-2/KAT-15
BHU/3/2009	KM921814	cattle	WRLFMD	Bhutan	ME-SA/Ind-2001/d
TAI/189/87*	KY091288	bovine	TRRL	Thailand	SEA
ISA/1/62	AJ303500	n/a	WRLFMD	Indonesia	ISA-1

*, not a WRLFMD Reference Number

n/a, not available