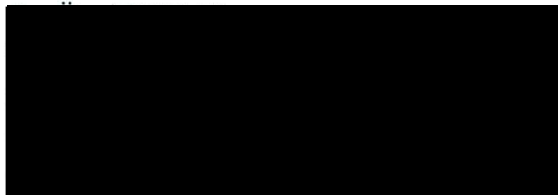




FMD Genotyping Report

Lab Reference WRL batch Number: WRLMEG/2025/000019, 20 & 21

Sender Details:



Date Received: 25/06/2025

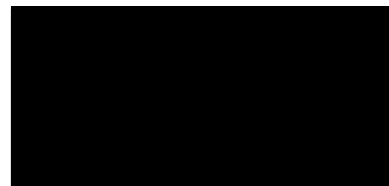
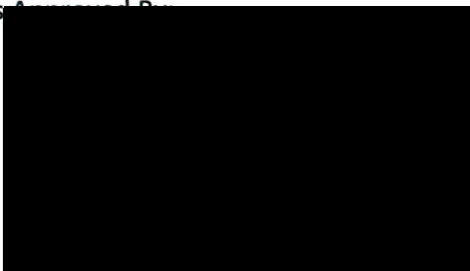
Country of Origin*: Iraq, Syria, Turkiye

Work has now been completed in respect of the sequences recently submitted and the details are as attached. Please note that all our phylogenetic trees can be accessed via the internet at:
<http://www.wrlfmd.org/>

Results Attached: [Redacted]

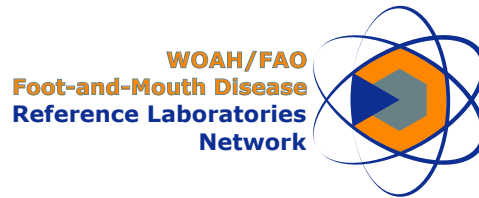
Official Stamp:

Date:



To help us improve the quality of our service, please send any suggestions or requests to the Reference Laboratory by email (reflabsfeedback@pirbright.ac.uk).

* Data supplied by the customer



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

FMDV Genotyping Report

Generated from: FMDtype | FMDV Genotyping Tool

Downloaded on: 26 June 2025

Citation: WRLFMD. 2025. FMDV Genotyping Report [WRLMEG/2025/000020]. (Accessed 26/06/25)

FMDV serotype: O

Country: Syria

Year: 2025

Batch: WRLMEG/2025/000020

No. of sequences: 8

Reported date: 26 June 2025 on behalf of Şap Enstitüsü, Müdürlüğü,
Ankara, Türkiye for sequences kindly submitted to the Pirbright Institute

WRLFMD Website: <https://www.wrlfmd.org/>

Email: reporting@pirbright.ac.uk

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FMDtype is supported through funding from

Virus sample: SYR/1/2025

Sample details

Reception Date:	2025-06-25
Sender reference:	O/SYR/1/2025
Location of origin:	NA
Country of origin:	Syria
Date of collection:	NA
Host species:	NA

Genotyping details

Serotype:	O
Topotype:	ME-SA
Lineage:	SA-2018
Sublineage:	None

Sequencing details

Material submitted for sequencing:	NA
Material Harvest Date:	NA
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
1135710	SYR/5/2025		100.00	0	O	ME-SA	SA-2018	None
1049125	IRQ/8/2025	Cattle	99.53	0	O	ME-SA	SA-2018	None
1049126	IRQ/10/2025	Cattle	99.53	0	O	ME-SA	SA-2018	None
1049127	IRQ/14/2025	Water Buffalo	99.53	0	O	ME-SA	SA-2018	None
1049128	IRQ/17/2025	Cattle	99.53	0	O	ME-SA	SA-2018	None
1049129	IRQ/20/2025	Cattle	99.53	0	O	ME-SA	SA-2018	None
1049131	IRQ/24/2025	Cattle	99.53	0	O	ME-SA	SA-2018	None
1049130	IRQ/21/2025	Water Buffalo	99.37	0	O	ME-SA	SA-2018	None
1135709	SYR/4/2025		99.37	0	O	ME-SA	SA-2018	None
1135712	SYR/8/2025		99.37	0	O	ME-SA	SA-2018	None
FMDV VP1 Prototype Sequences*								
14465	SRL/1/2019	Cattle	93.84	0	O	ME-SA	SA-2018	None
8912	IRN/88/2009		90.68	0	O	ME-SA	PanAsia-2	ANT-10
16370	TUR/257/2008		90.31	0	O	ME-SA	PanAsia-2	TER-08
16377	TUR/264/2009		90.31	0	O	ME-SA	PanAsia-2	SAN-09
8875	IRN/8/2005	Sheep	90.30	0	O	ME-SA	PanAsia-2	None
14504	SRL/2/97	Bovine	90.20	0	O	ME-SA	Srl-97	None
8590	IRN/31/2009	Cattle	90.19	0	O	ME-SA	PanAsia-2	FAR-09
8355	IRN/18/2010	Cattle	89.67	0	O	ME-SA	PanAsia-2	BAL-09
10481	LAO/2/2006	Cattle	89.56	0	O	ME-SA	PanAsia	None
17330	UAE/4/2008	Gazelle	89.43	0	O	ME-SA	Ind-2001	c

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

Virus sample: SYR/2/2025

Sample details

Reception Date:	2025-06-25
Sender reference:	O/SYR/2/2025
Location of origin:	NA
Country of origin:	Syria
Date of collection:	NA
Host species:	NA

Genotyping details

Serotype:	O
Topotype:	ME-SA
Lineage:	SA-2018
Sublineage:	None

Sequencing details

Material submitted for sequencing:	NA
Material Harvest Date:	NA
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
1049125	IRQ/8/2025	Cattle	99.37	0	O	ME-SA	SA-2018	None
1049126	IRQ/10/2025	Cattle	99.37	0	O	ME-SA	SA-2018	None
1049127	IRQ/14/2025	Water Buffalo	99.37	0	O	ME-SA	SA-2018	None
1049128	IRQ/17/2025	Cattle	99.37	0	O	ME-SA	SA-2018	None
1049129	IRQ/20/2025	Cattle	99.37	0	O	ME-SA	SA-2018	None
1049131	IRQ/24/2025	Cattle	99.37	0	O	ME-SA	SA-2018	None
1049130	IRQ/21/2025	Water Buffalo	99.21	0	O	ME-SA	SA-2018	None
1135698	TUR/306/2025		99.21	0	O	ME-SA	SA-2018	None
1135700	TUR/322/2025		99.21	0	O	ME-SA	SA-2018	None
1135702	TUR/326/2025		99.21	0	O	ME-SA	SA-2018	None
FMDV VP1 Prototype Sequences*								
14465	SRL/1/2019	Cattle	93.68	0	O	ME-SA	SA-2018	None
8912	IRN/88/2009		90.52	0	O	ME-SA	PanAsia-2	ANT-10
16370	TUR/257/2008		90.47	0	O	ME-SA	PanAsia-2	TER-08
8590	IRN/31/2009	Cattle	90.35	0	O	ME-SA	PanAsia-2	FAR-09
16377	TUR/264/2009		90.14	0	O	ME-SA	PanAsia-2	SAN-09
14504	SRL/2/97	Bovine	90.05	0	O	ME-SA	Srl-97	None
8875	IRN/8/2005	Sheep	89.98	0	O	ME-SA	PanAsia-2	None
8355	IRN/18/2010	Cattle	89.83	0	O	ME-SA	PanAsia-2	BAL-09
17330	UAE/4/2008	Gazelle	89.29	0	O	ME-SA	Ind-2001	c
12780	PAK/58/2012	Cattle	89.26	0	O	ME-SA	PanAsia-2	ICT-12

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

Virus sample: SYR/3/2025

Sample details

Reception Date:	2025-06-25
Sender reference:	O/SYR/3/2025
Location of origin:	NA
Country of origin:	Syria
Date of collection:	NA
Host species:	NA

Genotyping details

Serotype:	O
Topotype:	ME-SA
Lineage:	SA-2018
Sublineage:	None

Sequencing details

Material submitted for sequencing:	NA
Material Harvest Date:	NA
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
1135711	SYR/6/2025		99.37	0	O	ME-SA	SA-2018	None
1135713	SYR/9/2025		99.37	0	O	ME-SA	SA-2018	None
1049125	IRQ/8/2025	Cattle	99.21	0	O	ME-SA	SA-2018	None
1049126	IRQ/10/2025	Cattle	99.21	0	O	ME-SA	SA-2018	None
1049127	IRQ/14/2025	Water Buffalo	99.21	0	O	ME-SA	SA-2018	None
1049128	IRQ/17/2025	Cattle	99.21	0	O	ME-SA	SA-2018	None
1049129	IRQ/20/2025	Cattle	99.21	0	O	ME-SA	SA-2018	None
1049131	IRQ/24/2025	Cattle	99.21	0	O	ME-SA	SA-2018	None
1049130	IRQ/21/2025	Water Buffalo	99.05	0	O	ME-SA	SA-2018	None
1135706	SYR/1/2025		99.05	0	O	ME-SA	SA-2018	None
FMDV VP1 Prototype Sequences*								
14465	SRL/1/2019	Cattle	93.21	0	O	ME-SA	SA-2018	None
16377	TUR/264/2009		90.63	0	O	ME-SA	PanAsia-2	SAN-09
16370	TUR/257/2008		90.31	0	O	ME-SA	PanAsia-2	TER-08
8875	IRN/8/2005	Sheep	90.14	0	O	ME-SA	PanAsia-2	None
8590	IRN/31/2009	Cattle	90.05	0	O	ME-SA	PanAsia-2	FAR-09
8912	IRN/88/2009		90.05	0	O	ME-SA	PanAsia-2	ANT-10
17330	UAE/4/2008	Gazelle	89.76	0	O	ME-SA	Ind-2001	c
14504	SRL/2/97	Bovine	89.72	0	O	ME-SA	Srl-97	None
17602	UKG/35/2001		89.56	0	O	ME-SA	PanAsia	None
8355	IRN/18/2010	Cattle	89.35	0	O	ME-SA	PanAsia-2	BAL-09

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

Virus sample: SYR/4/2025

Sample details

Reception Date:	2025-06-25
Sender reference:	O/SYR/4/2025
Location of origin:	NA
Country of origin:	Syria
Date of collection:	NA
Host species:	NA

Genotyping details

Serotype:	O
Topotype:	ME-SA
Lineage:	SA-2018
Sublineage:	None

Sequencing details

Material submitted for sequencing:	NA
Material Harvest Date:	NA
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
1135712	SYR/8/2025		100.00	0	O	ME-SA	SA-2018	None
1135706	SYR/1/2025		99.37	0	O	ME-SA	SA-2018	None
1135710	SYR/5/2025		99.37	0	O	ME-SA	SA-2018	None
1135713	SYR/9/2025		99.37	0	O	ME-SA	SA-2018	None
1049125	IRQ/8/2025	Cattle	99.21	0	O	ME-SA	SA-2018	None
1049126	IRQ/10/2025	Cattle	99.21	0	O	ME-SA	SA-2018	None
1049127	IRQ/14/2025	Water Buffalo	99.21	0	O	ME-SA	SA-2018	None
1049128	IRQ/17/2025	Cattle	99.21	0	O	ME-SA	SA-2018	None
1049129	IRQ/20/2025	Cattle	99.21	0	O	ME-SA	SA-2018	None
1049131	IRQ/24/2025	Cattle	99.21	0	O	ME-SA	SA-2018	None
FMDV VP1 Prototype Sequences*								
14465	SRL/1/2019	Cattle	93.52	0	O	ME-SA	SA-2018	None
8912	IRN/88/2009		90.36	0	O	ME-SA	PanAsia-2	ANT-10
16370	TUR/257/2008		90.31	0	O	ME-SA	PanAsia-2	TER-08
16377	TUR/264/2009		90.31	0	O	ME-SA	PanAsia-2	SAN-09
8590	IRN/31/2009	Cattle	90.19	0	O	ME-SA	PanAsia-2	FAR-09
8875	IRN/8/2005	Sheep	90.14	0	O	ME-SA	PanAsia-2	None
14504	SRL/2/97	Bovine	90.03	0	O	ME-SA	Srl-97	None
8355	IRN/18/2010	Cattle	89.67	0	O	ME-SA	PanAsia-2	BAL-09
10481	LAO/2/2006	Cattle	89.40	0	O	ME-SA	PanAsia	None
17602	UKG/35/2001		89.24	0	O	ME-SA	PanAsia	None

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

Virus sample: SYR/5/2025

Sample details

Reception Date:	2025-06-25
Sender reference:	O/SYR/5/2025
Location of origin:	NA
Country of origin:	Syria
Date of collection:	NA
Host species:	NA

Genotyping details

Serotype:	O
Topotype:	ME-SA
Lineage:	SA-2018
Sublineage:	None

Sequencing details

Material submitted for sequencing:	NA
Material Harvest Date:	NA
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
1135706	SYR/1/2025		100.00	0	O	ME-SA	SA-2018	None
1049125	IRQ/8/2025	Cattle	99.53	0	O	ME-SA	SA-2018	None
1049126	IRQ/10/2025	Cattle	99.53	0	O	ME-SA	SA-2018	None
1049127	IRQ/14/2025	Water Buffalo	99.53	0	O	ME-SA	SA-2018	None
1049128	IRQ/17/2025	Cattle	99.53	0	O	ME-SA	SA-2018	None
1049129	IRQ/20/2025	Cattle	99.53	0	O	ME-SA	SA-2018	None
1049131	IRQ/24/2025	Cattle	99.53	0	O	ME-SA	SA-2018	None
1049130	IRQ/21/2025	Water Buffalo	99.37	0	O	ME-SA	SA-2018	None
1135709	SYR/4/2025		99.37	0	O	ME-SA	SA-2018	None
1135712	SYR/8/2025		99.37	0	O	ME-SA	SA-2018	None
FMDV VP1 Prototype Sequences*								
14465	SRL/1/2019	Cattle	93.84	0	O	ME-SA	SA-2018	None
8912	IRN/88/2009		90.68	0	O	ME-SA	PanAsia-2	ANT-10
16370	TUR/257/2008		90.31	0	O	ME-SA	PanAsia-2	TER-08
16377	TUR/264/2009		90.31	0	O	ME-SA	PanAsia-2	SAN-09
8875	IRN/8/2005	Sheep	90.30	0	O	ME-SA	PanAsia-2	None
14504	SRL/2/97	Bovine	90.20	0	O	ME-SA	Srl-97	None
8590	IRN/31/2009	Cattle	90.19	0	O	ME-SA	PanAsia-2	FAR-09
8355	IRN/18/2010	Cattle	89.67	0	O	ME-SA	PanAsia-2	BAL-09
10481	LAO/2/2006	Cattle	89.56	0	O	ME-SA	PanAsia	None
17330	UAE/4/2008	Gazelle	89.43	0	O	ME-SA	Ind-2001	c

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

Virus sample: SYR/6/2025

Sample details

Reception Date:	2025-06-25
Sender reference:	O/SYR/6/2025
Location of origin:	NA
Country of origin:	Syria
Date of collection:	NA
Host species:	NA

Genotyping details

Serotype:	O
Topotype:	ME-SA
Lineage:	SA-2018
Sublineage:	None

Sequencing details

Material submitted for sequencing:	NA
Material Harvest Date:	NA
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
1135708	SYR/3/2025		99.37	0	O	ME-SA	SA-2018	None
1135713	SYR/9/2025		99.05	0	O	ME-SA	SA-2018	None
1049125	IRQ/8/2025	Cattle	98.89	0	O	ME-SA	SA-2018	None
1049126	IRQ/10/2025	Cattle	98.89	0	O	ME-SA	SA-2018	None
1049127	IRQ/14/2025	Water Buffalo	98.89	0	O	ME-SA	SA-2018	None
1049128	IRQ/17/2025	Cattle	98.89	0	O	ME-SA	SA-2018	None
1049129	IRQ/20/2025	Cattle	98.89	0	O	ME-SA	SA-2018	None
1049131	IRQ/24/2025	Cattle	98.89	0	O	ME-SA	SA-2018	None
1049130	IRQ/21/2025	Water Buffalo	98.74	0	O	ME-SA	SA-2018	None
1135706	SYR/1/2025		98.74	0	O	ME-SA	SA-2018	None
FMDV VP1 Prototype Sequences*								
14465	SRL/1/2019	Cattle	93.21	0	O	ME-SA	SA-2018	None
8875	IRN/8/2005	Sheep	90.14	0	O	ME-SA	PanAsia-2	None
8590	IRN/31/2009	Cattle	90.05	0	O	ME-SA	PanAsia-2	FAR-09
16370	TUR/257/2008		89.98	0	O	ME-SA	PanAsia-2	TER-08
16377	TUR/264/2009		89.98	0	O	ME-SA	PanAsia-2	SAN-09
8912	IRN/88/2009		89.73	0	O	ME-SA	PanAsia-2	ANT-10
14504	SRL/2/97	Bovine	89.72	0	O	ME-SA	Srl-97	None
17330	UAE/4/2008	Gazelle	89.13	0	O	ME-SA	Ind-2001	c
8355	IRN/18/2010	Cattle	89.03	0	O	ME-SA	PanAsia-2	BAL-09
17602	UKG/35/2001		88.92	0	O	ME-SA	PanAsia	None

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

Virus sample: SYR/8/2025

Sample details

Reception Date:	2025-06-25
Sender reference:	O/SYR/8/2025
Location of origin:	NA
Country of origin:	Syria
Date of collection:	NA
Host species:	NA

Genotyping details

Serotype:	O
Topotype:	ME-SA
Lineage:	SA-2018
Sublineage:	None

Sequencing details

Material submitted for sequencing:	NA
Material Harvest Date:	NA
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
1135709	SYR/4/2025		100.00	0	O	ME-SA	SA-2018	None
1135706	SYR/1/2025		99.37	0	O	ME-SA	SA-2018	None
1135710	SYR/5/2025		99.37	0	O	ME-SA	SA-2018	None
1135713	SYR/9/2025		99.37	0	O	ME-SA	SA-2018	None
1049125	IRQ/8/2025	Cattle	99.21	0	O	ME-SA	SA-2018	None
1049126	IRQ/10/2025	Cattle	99.21	0	O	ME-SA	SA-2018	None
1049127	IRQ/14/2025	Water Buffalo	99.21	0	O	ME-SA	SA-2018	None
1049128	IRQ/17/2025	Cattle	99.21	0	O	ME-SA	SA-2018	None
1049129	IRQ/20/2025	Cattle	99.21	0	O	ME-SA	SA-2018	None
1049131	IRQ/24/2025	Cattle	99.21	0	O	ME-SA	SA-2018	None
FMDV VP1 Prototype Sequences*								
14465	SRL/1/2019	Cattle	93.52	0	O	ME-SA	SA-2018	None
8912	IRN/88/2009		90.36	0	O	ME-SA	PanAsia-2	ANT-10
16370	TUR/257/2008		90.31	0	O	ME-SA	PanAsia-2	TER-08
16377	TUR/264/2009		90.31	0	O	ME-SA	PanAsia-2	SAN-09
8590	IRN/31/2009	Cattle	90.19	0	O	ME-SA	PanAsia-2	FAR-09
8875	IRN/8/2005	Sheep	90.14	0	O	ME-SA	PanAsia-2	None
14504	SRL/2/97	Bovine	90.03	0	O	ME-SA	Srl-97	None
8355	IRN/18/2010	Cattle	89.67	0	O	ME-SA	PanAsia-2	BAL-09
10481	LAO/2/2006	Cattle	89.40	0	O	ME-SA	PanAsia	None
17602	UKG/35/2001		89.24	0	O	ME-SA	PanAsia	None

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

Virus sample: SYR/9/2025

Sample details

Reception Date:	2025-06-25
Sender reference:	O/SYR/9/2025
Location of origin:	NA
Country of origin:	Syria
Date of collection:	NA
Host species:	NA

Genotyping details

Serotype:	O
Topotype:	ME-SA
Lineage:	SA-2018
Sublineage:	None

Sequencing details

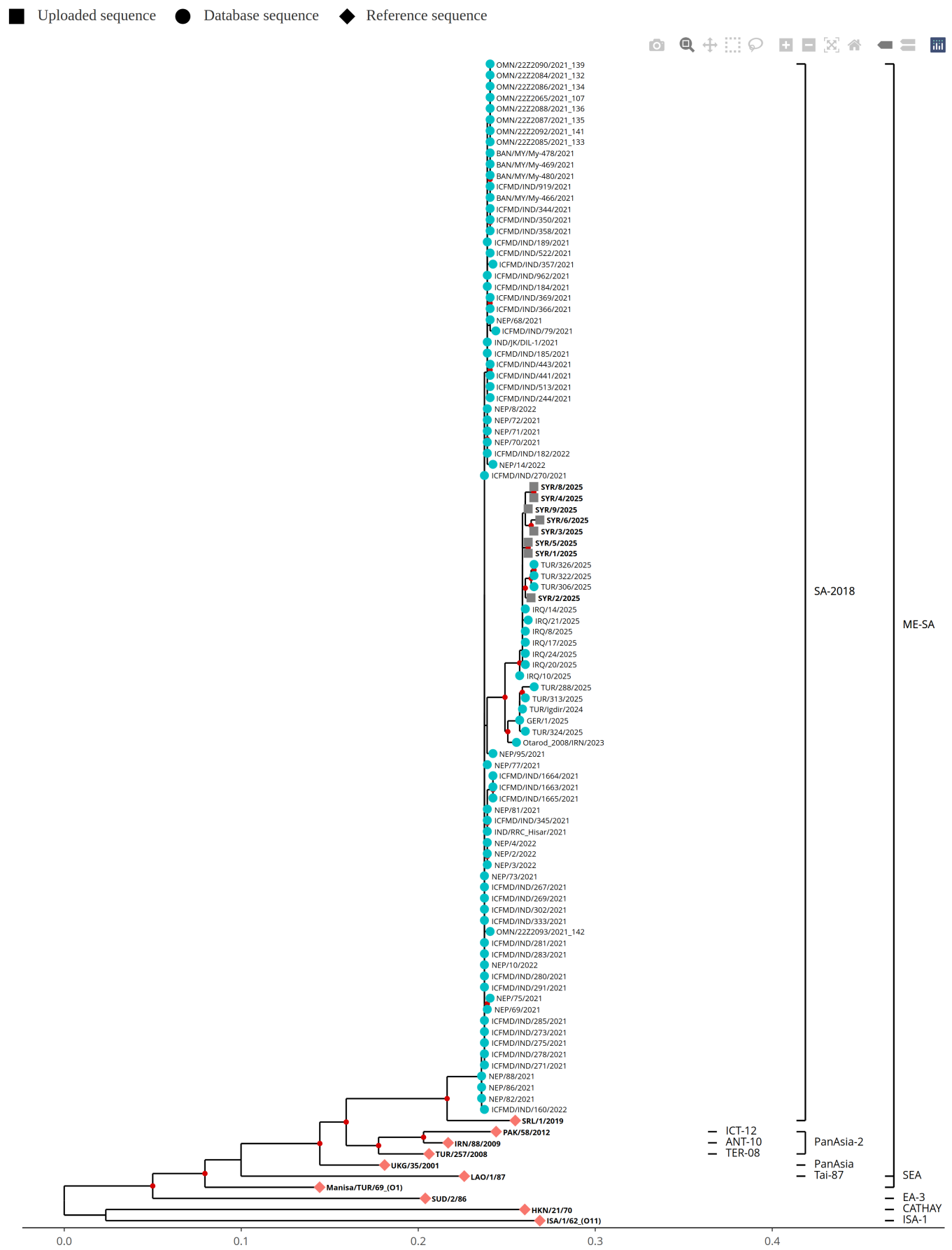
Material submitted for sequencing:	NA
Material Harvest Date:	NA
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
1049125	IRQ/8/2025	Cattle	99.53	0	O	ME-SA	SA-2018	None
1049126	IRQ/10/2025	Cattle	99.53	0	O	ME-SA	SA-2018	None
1049127	IRQ/14/2025	Water Buffalo	99.53	0	O	ME-SA	SA-2018	None
1049128	IRQ/17/2025	Cattle	99.53	0	O	ME-SA	SA-2018	None
1049129	IRQ/20/2025	Cattle	99.53	0	O	ME-SA	SA-2018	None
1049131	IRQ/24/2025	Cattle	99.53	0	O	ME-SA	SA-2018	None
1049130	IRQ/21/2025	Water Buffalo	99.37	0	O	ME-SA	SA-2018	None
1135706	SYR/1/2025		99.37	0	O	ME-SA	SA-2018	None
1135708	SYR/3/2025		99.37	0	O	ME-SA	SA-2018	None
1135709	SYR/4/2025		99.37	0	O	ME-SA	SA-2018	None
FMDV VP1 Prototype Sequences*								
14465	SRL/1/2019	Cattle	93.52	0	O	ME-SA	SA-2018	None
16370	TUR/257/2008		90.63	0	O	ME-SA	PanAsia-2	TER-08
16377	TUR/264/2009		90.63	0	O	ME-SA	PanAsia-2	SAN-09
8590	IRN/31/2009	Cattle	90.51	0	O	ME-SA	PanAsia-2	FAR-09
8875	IRN/8/2005	Sheep	90.46	0	O	ME-SA	PanAsia-2	None
8912	IRN/88/2009		90.36	0	O	ME-SA	PanAsia-2	ANT-10
14504	SRL/2/97	Bovine	90.35	0	O	ME-SA	Srl-97	None
8355	IRN/18/2010	Cattle	89.98	0	O	ME-SA	PanAsia-2	BAL-09
10481	LAO/2/2006	Cattle	89.72	0	O	ME-SA	PanAsia	None
17602	UKG/35/2001		89.56	0	O	ME-SA	PanAsia	None

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

Tree



Analysis Parameters

Query sequence set: WRLMEG/2025/000020
Number of related sequences reported: 87
Number of prototype sequences in tree: 10
Minimal VP1 subsequence match length: 610
Sequence alignment length: 633

Number of sequences in tree capped at: 100
Sequence alignment method: MAFFT 7.522
Phylogeny reconstruction method: IQ-TREE 2.26
Number of bootstrap samples: 1000
Displaying bootstrap values above: 75

FMDV VP1 Sequences included in the Phylogenetic Tree

Sequence Name	GenBank Accession	Host	Ref Lab	Country	FMDV Taxonomy	Pubmed Reference Number
IRQ/8/2025	None	Cattle	WRLFMD	Iraq	O/ME-SA/SA-2018	None
IRQ/10/2025	None	Cattle	WRLFMD	Iraq	O/ME-SA/SA-2018	None
IRQ/14/2025	None	Water Buffalo	WRLFMD	Iraq	O/ME-SA/SA-2018	None
IRQ/17/2025	None	Cattle	WRLFMD	Iraq	O/ME-SA/SA-2018	None
IRQ/20/2025	None	Cattle	WRLFMD	Iraq	O/ME-SA/SA-2018	None
IRQ/21/2025	None	Water Buffalo	WRLFMD	Iraq	O/ME-SA/SA-2018	None
IRQ/24/2025	None	Cattle	WRLFMD	Iraq	O/ME-SA/SA-2018	None
GER/1/2025	None	Water Buffalo	WRLFMD	Germany	O/ME-SA/SA-2018	None
TUR/288/2025 *	None		FMDI	Turkiye	O/ME-SA/SA-2018	None
TUR/306/2025 *	None		FMDI	Turkiye	O/ME-SA/SA-2018	None
TUR/313/2025 *	None		FMDI	Turkiye	O/ME-SA/SA-2018	None
TUR/322/2025 *	None		FMDI	Turkiye	O/ME-SA/SA-2018	None
TUR/324/2025 *	None		FMDI	Turkiye	O/ME-SA/SA-2018	None
TUR/326/2025 *	None		FMDI	Turkiye	O/ME-SA/SA-2018	None
BAN/MY/My-466/2021 *	OP320455	Cattle	UNIV-DHAKA	Bangladesh	O/ME-SA/SA-2018	None
BAN/MY/My-469/2021 *	OP320456	Cattle	UNIV-DHAKA	Bangladesh	O/ME-SA/SA-2018	None
BAN/MY/My-478/2021 *	OP320457	Cattle	UNIV-DHAKA	Bangladesh	O/ME-SA/SA-2018	None
BAN/MY/My-480/2021 *	OP320458	Cattle	UNIV-DHAKA	Bangladesh	O/ME-SA/SA-2018	None
OMN/22Z2065/2021_107 *	None	Cattle	ANSES	Oman	O/ME-SA/SA-2018	None
OMN/22Z2084/2021_132 *	None	Sheep	ANSES	Oman	O/ME-SA/SA-2018	None
OMN/22Z2085/2021_133 *	None	Sheep	ANSES	Oman	O/ME-SA/SA-2018	None
OMN/22Z2086/2021_134 *	None	Sheep	ANSES	Oman	O/ME-SA/SA-2018	None
OMN/22Z2087/2021_135 *	None	Sheep	ANSES	Oman	O/ME-SA/SA-2018	None
OMN/22Z2088/2021_136 *	None	Cattle	ANSES	Oman	O/ME-SA/SA-2018	None
OMN/22Z2090/2021_139 *	None	Cattle	ANSES	Oman	O/ME-SA/SA-2018	None
OMN/22Z2092/2021_141 *	None	Cattle	ANSES	Oman	O/ME-SA/SA-2018	None
OMN/22Z2093/2021_142 *	None	Cattle	ANSES	Oman	O/ME-SA/SA-2018	None
ICFMD/IND/79/2021 *	OQ847005	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/189/2021 *	OQ847007	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/244/2021 *	OQ847010		ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/280/2021 *	OQ846957	Sheep	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/271/2021 *	OQ846958	Goat	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/269/2021 *	OQ847012	Goat	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/270/2021 *	OQ847013	Goat	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/273/2021 *	OQ847014	Goat	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/275/2021 *	OQ847015	Goat	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/278/2021 *	OQ847016	Sheep	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/281/2021 *	OQ847017	Sheep	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/283/2021 *	OQ847018	Goat	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/285/2021 *	OQ847019	Sheep	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/333/2021 *	OQ847022	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/291/2021 *	OQ846955	Goat	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/267/2021 *	OQ847011	Sheep	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/350/2021 *	OQ846961	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/345/2021 *	OQ846954	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/366/2021 *	OQ846959	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/357/2021 *	OQ846964	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/358/2021 *	OQ847025	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/441/2021 *	OQ846962	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/443/2021 *	OQ847027	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/513/2021 *	OQ847029	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/522/2021 *	OQ846963	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/919/2021 *	OQ847041	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/369/2021 *	OQ847026	Pig	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/962/2021 *	OQ847043	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/302/2021 *	OQ846956	Sheep	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/184/2021 *	OQ846960	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/185/2021 *	OQ847006	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/344/2021 *	OQ847023	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/1663/2021 *	OQ847047	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/1664/2021 *	OQ847048	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/1665/2021 *	OQ847049	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None

FMDV VP1 Sequences included in the Phylogenetic Tree (continued)

Sequence Name	GenBank Accession	Host	Ref Lab	Country	FMDV Taxonomy	Pubmed Reference Number
ICFMD/IND/160/2022 *	OQ847052	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/182/2022 *	OQ847053	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
NEP/68/2021	PQ654450	Cattle	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/69/2021	PQ654451	Pig	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/70/2021	PQ654452	Cattle	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/71/2021	PQ654453	Cattle	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/72/2021	PQ654454	Cattle	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/73/2021	PQ654455	Cattle	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/75/2021	PQ654457	Water Buffalo	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/77/2021	PQ654459	Cattle	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/81/2021	PQ654460	Cattle	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/82/2021	PQ654461	Water Buffalo	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/86/2021	PQ654465	Pig	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/88/2021	PQ654467	Cattle	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/95/2021	PQ654468	Cattle	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/2/2022	PQ654470	Cattle	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/3/2022	PQ654471	Goat	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/4/2022	PQ654472	Cattle	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/8/2022	PQ654475	Cattle	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/10/2022	PQ654476	Cattle	WRLFMD	Nepal	O/ME-SA/SA-2018	None
NEP/14/2022	PQ654479	Goat	WRLFMD	Nepal	O/ME-SA/SA-2018	None
Otarod_2008/IRN/2023 *	OR991332	Cattle	UNIV-TEHRAN	Iran	O/ME-SA/SA-2018	None
TUR/Igdir/2024 *	None	Sheep	FMDI	Turkiye	O/ME-SA/SA-2018	None
IND/JK/DIL-1/2021 *	OQ835514	Sheep	DIL-NOWSHERA	India	O/ME-SA/SA-2018	None
IND/RRC_Hisar/2021 *	OR085630	Cattle	LUVAS	India	O/ME-SA/SA-2018	None

* Not a WRLFMD Reference Number;

^ Not Available