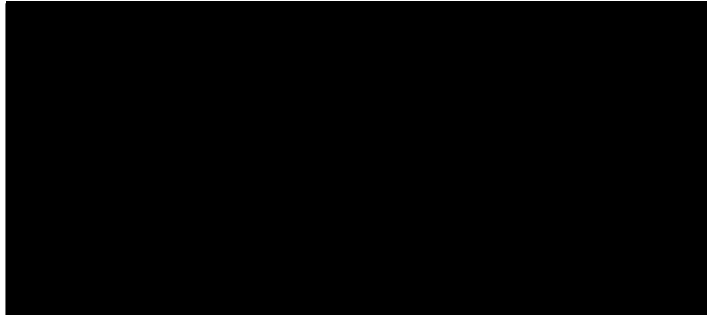




FMD Genotyping Reports

Lab Reference WRL batch Number: WRLFMD/2026/000002

Sender Details:



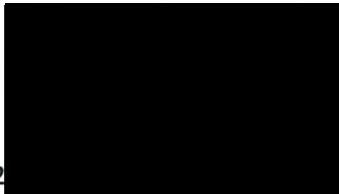
Date Received:

Country of Origin*:

Work has now been completed in respect of the samples recently submitted and the details are as attached.

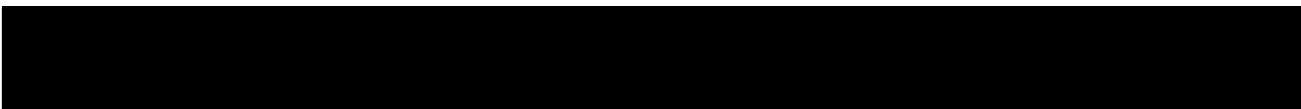
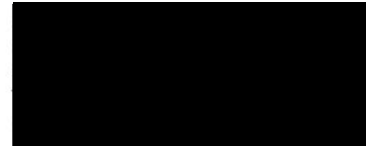
Please note that all our phylogenetic trees can be accessed via the internet at: <http://www.wrlfmd.org/>

Results Approved By:



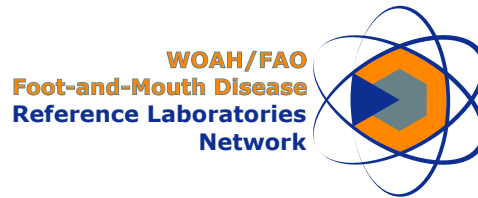
Date: 2

Official Stamp:



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: 20 February 2026

Citation: WRLFMD. 2026. FMDV Genotyping Report [WRLFMD/2026/000002]. (Accessed 20/02/26)

FMDV serotype: O

Country: Bangladesh

Year: 2025

Batch: WRLFMD/2026/000002

No. of sequences: 7

Reported date: 20 February 2026

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

Email: reporting@pirbright.ac.uk

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FMDtype is supported through funding from



Virus sample: BAN/2/2025

Sample details

Reception Date:	2026-01-29
Sender reference:	D-2474-02
Location of origin:	Dhamrai, Dhaka
Country of origin:	Bangladesh
Date of collection:	2025-08-28
Host species:	cattle

Genotyping details

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

Sequencing details

Material submitted for sequencing:	WRL-LFBK1
Material Harvest Date:	2026-01-31
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
856254	BAN15/2022	Cattle	99.84	0	O	ME-SA	SA-2018	None
856271	BAN11/2023	Cattle	99.68	0	O	ME-SA	SA-2018	None
856272	BAN12/2023	Cattle	99.68	0	O	ME-SA	SA-2018	None
856256	BAN17/2022	Cattle	99.05	0	O	ME-SA	SA-2018	None
856251	BAN8/2022	Cattle	98.58	0	O	ME-SA	SA-2018	None
856252	BAN9/2022	Cattle	98.58	0	O	ME-SA	SA-2018	None
856255	BAN16/2022	Cattle	98.26	0	O	ME-SA	SA-2018	None
296815	BAN/MY/My-466/2021	Cattle	97.63	0	O	ME-SA	SA-2018	None
296816	BAN/MY/My-469/2021	Cattle	97.63	0	O	ME-SA	SA-2018	None
296817	BAN/MY/My-478/2021	Cattle	97.63	0	O	ME-SA	SA-2018	None
FMDV VP1 Prototype Sequences*								
14465	SRL/1/2019	Cattle	92.58	0	O	ME-SA	SA-2018	None
14504	SRL/2/97	Bovine	92.22	0	O	ME-SA	Srl-97	None
8355	IRN/18/2010	Cattle	91.14	0	O	ME-SA	PanAsia-2	BAL-09
8875	IRN/8/2005	Sheep	90.98	0	O	ME-SA	PanAsia-2	None
8790	IRN/6/2015	Cattle	90.68	0	O	ME-SA	PanAsia-2	QOM-15
8590	IRN/31/2009	Cattle	90.62	0	O	ME-SA	PanAsia-2	FAR-09
17602	UKG/35/2001		90.62	0	O	ME-SA	PanAsia	None
8912	IRN/88/2009		90.54	0	O	ME-SA	PanAsia-2	ANT-10
16370	TUR/257/2008		90.51	0	O	ME-SA	PanAsia-2	SAN-09
16377	TUR/264/2009		90.19	0	O	ME-SA	PanAsia-2	SAN-09

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

Virus sample: BAN/3/2025

Sample details

Reception Date:	2026-01-29
Sender reference:	D-2474-03
Location of origin:	Dhamrai, Dhaka
Country of origin:	Bangladesh
Date of collection:	2025-08-28
Host species:	cattle

Genotyping details

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

Sequencing details

Material submitted for sequencing:	WRL-LFBK1
Material Harvest Date:	2026-01-31
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
856254	BAN15/2022	Cattle	99.84	0	O	ME-SA	SA-2018	None
856271	BAN11/2023	Cattle	99.68	0	O	ME-SA	SA-2018	None
856272	BAN12/2023	Cattle	99.68	0	O	ME-SA	SA-2018	None
856256	BAN17/2022	Cattle	99.05	0	O	ME-SA	SA-2018	None
856251	BAN8/2022	Cattle	98.26	0	O	ME-SA	SA-2018	None
856252	BAN9/2022	Cattle	98.26	0	O	ME-SA	SA-2018	None
856255	BAN16/2022	Cattle	98.26	0	O	ME-SA	SA-2018	None
296815	BAN/MY/My-466/2021	Cattle	97.63	0	O	ME-SA	SA-2018	None
296816	BAN/MY/My-469/2021	Cattle	97.63	0	O	ME-SA	SA-2018	None
296817	BAN/MY/My-478/2021	Cattle	97.63	0	O	ME-SA	SA-2018	None
FMDV VP1 Prototype Sequences*								
14465	SRL/1/2019	Cattle	92.58	0	O	ME-SA	SA-2018	None
14504	SRL/2/97	Bovine	92.22	0	O	ME-SA	Srl-97	None
8355	IRN/18/2010	Cattle	91.46	0	O	ME-SA	PanAsia-2	BAL-09
8875	IRN/8/2005	Sheep	91.30	0	O	ME-SA	PanAsia-2	None
8590	IRN/31/2009	Cattle	90.94	0	O	ME-SA	PanAsia-2	FAR-09
17602	UKG/35/2001		90.94	0	O	ME-SA	PanAsia	None
16370	TUR/257/2008		90.84	0	O	ME-SA	PanAsia-2	SAN-09
8790	IRN/6/2015	Cattle	90.68	0	O	ME-SA	PanAsia-2	QOM-15
8912	IRN/88/2009		90.54	0	O	ME-SA	PanAsia-2	ANT-10
16377	TUR/264/2009		90.51	0	O	ME-SA	PanAsia-2	SAN-09

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

Virus sample: BAN/4/2025

Sample details

Reception Date:	2026-01-29
Sender reference:	D-2098-04
Location of origin:	Sadar, Kurigram
Country of origin:	Bangladesh
Date of collection:	2025-09-02
Host species:	cattle

Genotyping details

Serotype:	O
Topotype:	ME-SA
Lineage:	Ind-2001
Sublineage:	e

Sequencing details

Material submitted for sequencing:	WRL-LFBK1
Material Harvest Date:	2026-02-01
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
856269	BAN18/2023	Cattle	98.42	0	O	ME-SA	Ind-2001	e
856273	BAN19/2023	Cattle	98.42	0	O	ME-SA	Ind-2001	e
856260	BAN26/2022	Cattle	98.26	0	O	ME-SA	Ind-2001	e
856261	BAN27/2022	Cattle	98.26	0	O	ME-SA	Ind-2001	e
856262	BAN28/2022	Cattle	98.26	0	O	ME-SA	Ind-2001	e
856263	BAN29/2022	Cattle	98.26	0	O	ME-SA	Ind-2001	e
856257	BAN20/2022	Cattle	98.10	0	O	ME-SA	Ind-2001	e
856258	BAN21/2022	Cattle	98.10	0	O	ME-SA	Ind-2001	e
856259	BAN22/2022	Cattle	98.10	0	O	ME-SA	Ind-2001	e
856274	BAN21/2023	Cattle	97.95	0	O	ME-SA	Ind-2001	e
FMDV VP1 Prototype Sequences*								
10989	MUR/19/2016	Cattle	95.73	0	O	ME-SA	Ind-2001	e
3294	BHU/3/2009	Cattle	92.40	0	O	ME-SA	Ind-2001	d
10350	KUW/3/97		91.31	0	O	ME-SA	Ind-2001	a
11999	OMN/7/2001		91.14	0	O	ME-SA	Ind-2001	b
14504	SRL/2/97	Bovine	90.98	0	O	ME-SA	Srl-97	None
12855	PAK/7/2016	Cattle	89.92	0	O	ME-SA	PanAsia-2	PUN-16
12780	PAK/58/2012	Cattle	89.89	0	O	ME-SA	PanAsia-2	ICT-12
17330	UAE/4/2008	Gazelle	89.59	0	O	ME-SA	Ind-2001	c
17602	UKG/35/2001		89.57	0	O	ME-SA	PanAsia	None
8590	IRN/31/2009	Cattle	89.24	0	O	ME-SA	PanAsia-2	FAR-09

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

Virus sample: BAN/6/2025

Sample details

Reception Date:	2026-01-29
Sender reference:	D-2098-06
Location of origin:	Sadar, Kurigram
Country of origin:	Bangladesh
Date of collection:	2025-09-02
Host species:	cattle

Genotyping details

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

Sequencing details

Material submitted for sequencing:	WRL-LFBK1
Material Harvest Date:	2026-01-31
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
856254	BAN15/2022	Cattle	99.05	0	O	ME-SA	SA-2018	None
856271	BAN11/2023	Cattle	98.89	0	O	ME-SA	SA-2018	None
856272	BAN12/2023	Cattle	98.89	0	O	ME-SA	SA-2018	None
856256	BAN17/2022	Cattle	98.26	0	O	ME-SA	SA-2018	None
856251	BAN8/2022	Cattle	97.79	0	O	ME-SA	SA-2018	None
856252	BAN9/2022	Cattle	97.79	0	O	ME-SA	SA-2018	None
856255	BAN16/2022	Cattle	97.63	0	O	ME-SA	SA-2018	None
296815	BAN/MY/My-466/2021	Cattle	96.84	0	O	ME-SA	SA-2018	None
296816	BAN/MY/My-469/2021	Cattle	96.84	0	O	ME-SA	SA-2018	None
296817	BAN/MY/My-478/2021	Cattle	96.84	0	O	ME-SA	SA-2018	None
FMDV VP1 Prototype Sequences*								
14465	SRL/1/2019	Cattle	91.78	0	O	ME-SA	SA-2018	None
14504	SRL/2/97	Bovine	91.43	0	O	ME-SA	Srl-97	None
8355	IRN/18/2010	Cattle	90.51	0	O	ME-SA	PanAsia-2	BAL-09
8875	IRN/8/2005	Sheep	90.19	0	O	ME-SA	PanAsia-2	None
8590	IRN/31/2009	Cattle	89.98	0	O	ME-SA	PanAsia-2	FAR-09
8912	IRN/88/2009		89.90	0	O	ME-SA	PanAsia-2	ANT-10
17602	UKG/35/2001		89.83	0	O	ME-SA	PanAsia	None
8790	IRN/6/2015	Cattle	89.73	0	O	ME-SA	PanAsia-2	QOM-15
12855	PAK/7/2016	Cattle	89.73	0	O	ME-SA	PanAsia-2	PUN-16
16370	TUR/257/2008		89.72	0	O	ME-SA	PanAsia-2	SAN-09

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

Virus sample: BAN/8/2025

Sample details

Reception Date:	2026-01-29
Sender reference:	D-2143-08
Location of origin:	Kalaroa, Satkhira
Country of origin:	Bangladesh
Date of collection:	2025-09-11
Host species:	cattle

Genotyping details

Serotype:	O
Topotype:	ME-SA
Lineage:	Ind-2001
Sublineage:	e

Sequencing details

Material submitted for sequencing:	WRL-LFBK1
Material Harvest Date:	2026-02-03
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
856269	BAN18/2023	Cattle	97.63	0	O	ME-SA	Ind-2001	e
856273	BAN19/2023	Cattle	97.63	0	O	ME-SA	Ind-2001	e
856260	BAN26/2022	Cattle	97.47	0	O	ME-SA	Ind-2001	e
856261	BAN27/2022	Cattle	97.47	0	O	ME-SA	Ind-2001	e
856262	BAN28/2022	Cattle	97.47	0	O	ME-SA	Ind-2001	e
856263	BAN29/2022	Cattle	97.47	0	O	ME-SA	Ind-2001	e
856274	BAN21/2023	Cattle	97.47	0	O	ME-SA	Ind-2001	e
856276	BAN26/2023	Cattle	97.47	0	O	ME-SA	Ind-2001	e
856257	BAN20/2022	Cattle	97.31	0	O	ME-SA	Ind-2001	e
856258	BAN21/2022	Cattle	97.31	0	O	ME-SA	Ind-2001	e
FMDV VP1 Prototype Sequences*								
10989	MUR/19/2016	Cattle	95.25	0	O	ME-SA	Ind-2001	e
3294	BHU/3/2009	Cattle	91.93	0	O	ME-SA	Ind-2001	d
11999	OMN/7/2001		90.98	0	O	ME-SA	Ind-2001	b
10350	KUW/3/97		90.84	0	O	ME-SA	Ind-2001	a
14504	SRL/2/97	Bovine	90.51	0	O	ME-SA	Srl-97	None
12855	PAK/7/2016	Cattle	89.13	0	O	ME-SA	PanAsia-2	PUN-16
17330	UAE/4/2008	Gazelle	89.12	0	O	ME-SA	Ind-2001	c
12780	PAK/58/2012	Cattle	89.10	0	O	ME-SA	PanAsia-2	ICT-12
17602	UKG/35/2001		89.10	0	O	ME-SA	PanAsia	None
10481	LAO/2/2006	Cattle	88.77	0	O	ME-SA	PanAsia	None

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

Virus sample: BAN/9/2025

Sample details

Reception Date:	2026-01-29
Sender reference:	D-2143-09
Location of origin:	Kalaroa, Satkhira
Country of origin:	Bangladesh
Date of collection:	2025-09-11
Host species:	cattle

Genotyping details

Serotype:	O
Topotype:	ME-SA
Lineage:	Ind-2001
Sublineage:	e

Sequencing details

Material submitted for sequencing:	WRL-LFBK1
Material Harvest Date:	2026-01-31
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
856269	BAN18/2023	Cattle	97.79	0	O	ME-SA	Ind-2001	e
856273	BAN19/2023	Cattle	97.79	0	O	ME-SA	Ind-2001	e
856260	BAN26/2022	Cattle	97.63	0	O	ME-SA	Ind-2001	e
856261	BAN27/2022	Cattle	97.63	0	O	ME-SA	Ind-2001	e
856262	BAN28/2022	Cattle	97.63	0	O	ME-SA	Ind-2001	e
856263	BAN29/2022	Cattle	97.63	0	O	ME-SA	Ind-2001	e
856274	BAN21/2023	Cattle	97.63	0	O	ME-SA	Ind-2001	e
856276	BAN26/2023	Cattle	97.63	0	O	ME-SA	Ind-2001	e
856257	BAN20/2022	Cattle	97.47	0	O	ME-SA	Ind-2001	e
856258	BAN21/2022	Cattle	97.47	0	O	ME-SA	Ind-2001	e
FMDV VP1 Prototype Sequences*								
10989	MUR/19/2016	Cattle	95.41	0	O	ME-SA	Ind-2001	e
3294	BHU/3/2009	Cattle	92.09	0	O	ME-SA	Ind-2001	d
11999	OMN/7/2001		91.14	0	O	ME-SA	Ind-2001	b
10350	KUW/3/97		91.00	0	O	ME-SA	Ind-2001	a
14504	SRL/2/97	Bovine	90.67	0	O	ME-SA	Srl-97	None
12855	PAK/7/2016	Cattle	89.29	0	O	ME-SA	PanAsia-2	PUN-16
12780	PAK/58/2012	Cattle	89.26	0	O	ME-SA	PanAsia-2	ICT-12
17602	UKG/35/2001		89.26	0	O	ME-SA	PanAsia	None
17330	UAE/4/2008	Gazelle	88.96	0	O	ME-SA	Ind-2001	c
10481	LAO/2/2006	Cattle	88.92	0	O	ME-SA	PanAsia	None

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

Virus sample: BAN/11/2025

Sample details

Reception Date:	2026-01-29
Sender reference:	D-2186-11
Location of origin:	Anowara, Chittagonj
Country of origin:	Bangladesh
Date of collection:	2025-09-28
Host species:	cattle

Genotyping details

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

Sequencing details

Material submitted for sequencing:	WRL-LFBK1
Material Harvest Date:	2026-02-03
Sequence length:	636
Ambiguities:	0

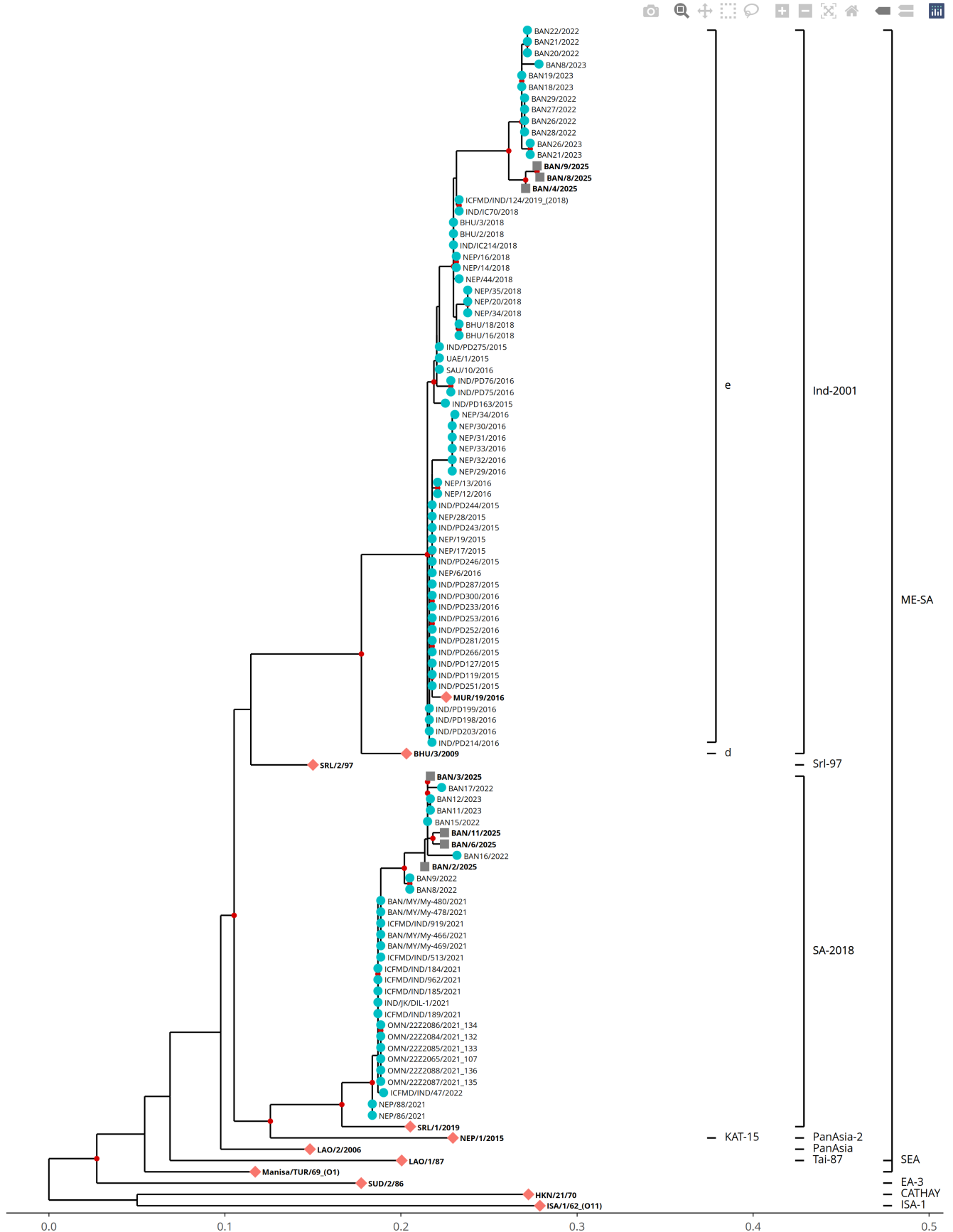
Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
856254	BAN15/2022	Cattle	99.05	0	O	ME-SA	SA-2018	None
856271	BAN11/2023	Cattle	98.89	0	O	ME-SA	SA-2018	None
856272	BAN12/2023	Cattle	98.89	0	O	ME-SA	SA-2018	None
856256	BAN17/2022	Cattle	98.26	0	O	ME-SA	SA-2018	None
856251	BAN8/2022	Cattle	98.10	0	O	ME-SA	SA-2018	None
856252	BAN9/2022	Cattle	98.10	0	O	ME-SA	SA-2018	None
856255	BAN16/2022	Cattle	97.47	0	O	ME-SA	SA-2018	None
296815	BAN/MY/My-466/2021	Cattle	97.16	0	O	ME-SA	SA-2018	None
296816	BAN/MY/My-469/2021	Cattle	97.16	0	O	ME-SA	SA-2018	None
296817	BAN/MY/My-478/2021	Cattle	97.16	0	O	ME-SA	SA-2018	None
FMDV VP1 Prototype Sequences*								
14465	SRL/1/2019	Cattle	92.42	0	O	ME-SA	SA-2018	None
14504	SRL/2/97	Bovine	92.06	0	O	ME-SA	Srl-97	None
8355	IRN/18/2010	Cattle	90.98	0	O	ME-SA	PanAsia-2	BAL-09
8875	IRN/8/2005	Sheep	90.82	0	O	ME-SA	PanAsia-2	None
8590	IRN/31/2009	Cattle	90.46	0	O	ME-SA	PanAsia-2	FAR-09
17602	UKG/35/2001		90.46	0	O	ME-SA	PanAsia	None
8912	IRN/88/2009		90.38	0	O	ME-SA	PanAsia-2	ANT-10
16370	TUR/257/2008		90.35	0	O	ME-SA	PanAsia-2	SAN-09
11390	NEP/1/2015	Cattle	90.30	1	O	ME-SA	PanAsia-2	KAT-15
16377	TUR/264/2009		90.19	0	O	ME-SA	PanAsia-2	SAN-09

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

Tree

■ Uploaded sequence ● Database sequence ◆ Reference sequence



Analysis Parameters

Query sequence set: WRLFMD/2026/000002
Number of related sequences reported: 87
Number of prototype sequences in tree: 11
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
NEP/12/2016	MG972560	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/13/2016	MG972561	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/14/2018	MT276849	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/16/2018	None	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/17/2015	KY449050	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/19/2015	KY449051	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/20/2018	None	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/28/2015	KY449052	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/29/2016	MG972571	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/30/2016	MG972572	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/31/2016	MG972573	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/32/2016	MG972574	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/33/2016	MG972575	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/34/2016	MG972576	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/34/2018	None	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/35/2018	None	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/44/2018	None	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/6/2016	KY449054	Cattle	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
SAU/10/2016	MG972597	Bovine	WRLFMD	Saudi Arabia	O/ME-SA/Ind-2001/e	None
UAE/1/2015	MG972605	Mountain Gazelle	WRLFMD	United Arab Emirates	O/ME-SA/Ind-2001/e	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
IND/PD119/2015 *	MT909624	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD127/2015 *	MT909627	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD163/2015 *	MT909638	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD243/2015 *	MT909648	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD244/2015 *	MT909649	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD246/2015 *	MT909650	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD251/2015 *	MT909652	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD266/2015 *	MT909655	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD275/2015 *	MT909657	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD281/2015 *	MT909658	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD287/2015 *	MT909659	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD75/2016 *	MT909666	Water Buffalo	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD76/2016 *	MT909667	Water Buffalo	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD198/2016 *	MT909672	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD199/2016 *	MT909673	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD203/2016 *	MT909674	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD214/2016 *	MT909675	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD233/2016 *	MT909676	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD252/2016 *	MT909680	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD253/2016 *	MT909681	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/PD300/2016 *	MT909687	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/IC70/2018 *	MT936099	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
IND/IC214/2018 *	MT936112	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	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
BHU/16/2018	None	Cattle	WRLFMD	Bhutan	O/ME-SA/Ind-2001/e	None
BHU/18/2018	None	Cattle	WRLFMD	Bhutan	O/ME-SA/Ind-2001/e	None
BHU/2/2018	MT276847	Cattle	WRLFMD	Bhutan	O/ME-SA/Ind-2001/e	None
BHU/3/2018	None	Cattle	WRLFMD	Bhutan	O/ME-SA/Ind-2001/e	None
ICFMD/IND/124/2019_(2018) *	OQ732584		ICAR-DFMD	India	O/ME-SA/Ind-2001/e	None
ICFMD/IND/189/2021 *	OQ847007	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/919/2021 *	OQ847041	Cattle	ICAR-DFMD	India	O/ME-SA/SA-2018	None
ICFMD/IND/962/2021 *	OQ847043	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/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/47/2022 *	OQ847051	Pig	ICAR-DFMD	India	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
IND/JK/DIL-1/2021 *	OQ835514	Sheep	DIL-NOWSHERA	India	O/ME-SA/SA-2018	None
BAN8/2022 *	PQ110557	Cattle	APQA	Bangladesh	O/ME-SA/SA-2018	None
BAN9/2022 *	PQ110558	Cattle	APQA	Bangladesh	O/ME-SA/SA-2018	None
BAN15/2022 *	PQ110560	Cattle	APQA	Bangladesh	O/ME-SA/SA-2018	None
BAN16/2022 *	PQ110561	Cattle	APQA	Bangladesh	O/ME-SA/SA-2018	None
BAN17/2022 *	PQ110562	Cattle	APQA	Bangladesh	O/ME-SA/SA-2018	None
BAN20/2022 *	PQ110563	Cattle	APQA	Bangladesh	O/ME-SA/Ind-2001/e	None
BAN21/2022 *	PQ110564	Cattle	APQA	Bangladesh	O/ME-SA/Ind-2001/e	None
BAN22/2022 *	PQ110565	Cattle	APQA	Bangladesh	O/ME-SA/Ind-2001/e	None
BAN26/2022 *	PQ110566	Cattle	APQA	Bangladesh	O/ME-SA/Ind-2001/e	None
BAN27/2022 *	PQ110567	Cattle	APQA	Bangladesh	O/ME-SA/Ind-2001/e	None
BAN28/2022 *	PQ110568	Cattle	APQA	Bangladesh	O/ME-SA/Ind-2001/e	None
BAN29/2022 *	PQ110569	Cattle	APQA	Bangladesh	O/ME-SA/Ind-2001/e	None
BAN8/2023 *	PQ110574	Cattle	APQA	Bangladesh	O/ME-SA/Ind-2001/e	None
BAN18/2023 *	PQ110575	Cattle	APQA	Bangladesh	O/ME-SA/Ind-2001/e	None
BAN11/2023 *	PQ110577	Cattle	APQA	Bangladesh	O/ME-SA/SA-2018	None
BAN12/2023 *	PQ110578	Cattle	APQA	Bangladesh	O/ME-SA/SA-2018	None
BAN19/2023 *	PQ110579	Cattle	APQA	Bangladesh	O/ME-SA/Ind-2001/e	None
BAN21/2023 *	PQ110580	Cattle	APQA	Bangladesh	O/ME-SA/Ind-2001/e	None
BAN26/2023 *	PQ110582	Cattle	APQA	Bangladesh	O/ME-SA/Ind-2001/e	None

* Not a WRLFMD Reference Number;

- Not Available