FMD Genotyping Report

Lab Reference WRL batch Number: WRLFMD/2026/000009

Sender Details: [redacted]

Date Received: 05/05/2026

Country of Origin*: Mongolia

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: [redacted]

Official Stamp:

Date: 05/06/2026

[redacted]

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

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

FMDV Genotyping Report

Generated from: FMDtype | FMDV Genotyping Tool
Downloaded on: 04 June 2026
Citation: WRLFMD. 2026. FMDV Genotyping Report [WRLFMD/2026/000009]. (Accessed 04/06/26)

FMDV serotype: O
Country: Mongolia
Year: 2026
Batch: WRLFMD/2026/000009
No. of sequences: 4
Reported date: 04 June 2026

WRLFMD Website: https://www.wrlfmd.org/
Email: reporting@pirbright.ac.uk

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FMDtype is supported through funding from

Virus sample: MOG/1/2026

Sample details

Reception Date:	2026-05-05
Sender reference:	MOG/FMDV/01/2026
Location of origin:	Sukhbaatar
Country of origin:	Mongolia
Date of collection:	2026-03-24
Host species:	cattle

Genotyping details

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

Sequencing details

Material submitted for sequencing:	LFBK1
Material Harvest Date:	2026-05-20
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
1482454	MYA/2/2020	Pig	96.05	0	O	ME-SA	Ind-2001	e
1482455	MYA/4/2022	Cattle	96.05	0	O	ME-SA	Ind-2001	e
1482456	MYA/5/2022	Cattle	96.05	0	O	ME-SA	Ind-2001	e
1482457	MYA/6/2022	Cattle	96.05	0	O	ME-SA	Ind-2001	e
1482460	MYA/10/2022	Cattle	95.89	0	O	ME-SA	Ind-2001	e
1482461	MYA/11/2022	Cattle	95.89	0	O	ME-SA	Ind-2001	e
1482464	MYA/15/2022	Cattle	95.89	0	O	ME-SA	Ind-2001	e
485489	TAI/18/2022	Cattle	95.58	0	O	ME-SA	Ind-2001	e
485492	TAI/1/2023	Cattle	95.58	0	O	ME-SA	Ind-2001	e
1482459	MYA/9/2022	Cattle	95.58	1	O	ME-SA	Ind-2001	e
FMDV VP1 Prototype Sequences*								
10989	MUR/19/2016	Cattle	93.05	0	O	ME-SA	Ind-2001	e
3294	BHU/3/2009	Cattle	89.26	0	O	ME-SA	Ind-2001	d
10350	KUW/3/97		88.64	0	O	ME-SA	Ind-2001	a
17330	UAE/4/2008	Gazelle	87.20	0	O	ME-SA	Ind-2001	c
14504	SRL/2/97	Bovine	86.89	0	O	ME-SA	Srl-97	None
12855	PAK/7/2016	Cattle	86.71	0	O	ME-SA	PanAsia-2	PUN-16
15944	Manisa/TUR/69_(O1)		86.63	0	O	ME-SA	None	None
212	AFG/30/2010		86.46	0	O	ME-SA	PanAsia-2	KHO-10
7280	IND/53/79	Bovine	86.45	0	O	ME-SA	None	None
17602	UKG/35/2001		86.44	0	O	ME-SA	PanAsia	None

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

Virus sample: MOG/2/2026

Sample details

Reception Date:	2026-05-05
Sender reference:	MOG/FMDV/02/2026
Location of origin:	Sukhbaatar
Country of origin:	Mongolia
Date of collection:	2026-03-24
Host species:	cattle

Genotyping details

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

Sequencing details

Material submitted for sequencing:	LFBK1
Material Harvest Date:	2026-05-19
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
1482454	MYA/2/2020	Pig	96.05	0	O	ME-SA	Ind-2001	e
1482455	MYA/4/2022	Cattle	96.05	0	O	ME-SA	Ind-2001	e
1482456	MYA/5/2022	Cattle	96.05	0	O	ME-SA	Ind-2001	e
1482457	MYA/6/2022	Cattle	96.05	0	O	ME-SA	Ind-2001	e
1482460	MYA/10/2022	Cattle	95.89	0	O	ME-SA	Ind-2001	e
1482461	MYA/11/2022	Cattle	95.89	0	O	ME-SA	Ind-2001	e
1482464	MYA/15/2022	Cattle	95.89	0	O	ME-SA	Ind-2001	e
485489	TAI/18/2022	Cattle	95.58	0	O	ME-SA	Ind-2001	e
485492	TAI/1/2023	Cattle	95.58	0	O	ME-SA	Ind-2001	e
1482459	MYA/9/2022	Cattle	95.58	1	O	ME-SA	Ind-2001	e
FMDV VP1 Prototype Sequences*								
10989	MUR/19/2016	Cattle	93.05	0	O	ME-SA	Ind-2001	e
3294	BHU/3/2009	Cattle	89.26	0	O	ME-SA	Ind-2001	d
10350	KUW/3/97		88.64	0	O	ME-SA	Ind-2001	a
17330	UAE/4/2008	Gazelle	87.20	0	O	ME-SA	Ind-2001	c
14504	SRL/2/97	Bovine	86.89	0	O	ME-SA	Srl-97	None
12855	PAK/7/2016	Cattle	86.71	0	O	ME-SA	PanAsia-2	PUN-16
15944	Manisa/TUR/69_(O1)		86.63	0	O	ME-SA	None	None
212	AFG/30/2010		86.46	0	O	ME-SA	PanAsia-2	KHO-10
7280	IND/53/79	Bovine	86.45	0	O	ME-SA	None	None
17602	UKG/35/2001		86.44	0	O	ME-SA	PanAsia	None

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

Virus sample: MOG/3/2026

Sample details

Reception Date:	2026-05-05
Sender reference:	MOG/FMDV/03/2026
Location of origin:	Sukhbaatar
Country of origin:	Mongolia
Date of collection:	2026-03-24
Host species:	sheep

Genotyping details

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

Sequencing details

Material submitted for sequencing:	LFBK1
Material Harvest Date:	2026-05-19
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
1482454	MYA/2/2020	Pig	96.37	0	O	ME-SA	Ind-2001	e
1482455	MYA/4/2022	Cattle	96.37	0	O	ME-SA	Ind-2001	e
1482456	MYA/5/2022	Cattle	96.37	0	O	ME-SA	Ind-2001	e
1482457	MYA/6/2022	Cattle	96.37	0	O	ME-SA	Ind-2001	e
1482460	MYA/10/2022	Cattle	96.21	0	O	ME-SA	Ind-2001	e
1482461	MYA/11/2022	Cattle	96.21	0	O	ME-SA	Ind-2001	e
1482464	MYA/15/2022	Cattle	96.21	0	O	ME-SA	Ind-2001	e
485489	TAI/18/2022	Cattle	95.89	0	O	ME-SA	Ind-2001	e
485492	TAI/1/2023	Cattle	95.89	0	O	ME-SA	Ind-2001	e
1482459	MYA/9/2022	Cattle	95.89	1	O	ME-SA	Ind-2001	e
FMDV VP1 Prototype Sequences*								
10989	MUR/19/2016	Cattle	93.36	0	O	ME-SA	Ind-2001	e
3294	BHU/3/2009	Cattle	89.57	0	O	ME-SA	Ind-2001	d
11999	OMN/7/2001		89.27	0	O	ME-SA	Ind-2001	b
10350	KUW/3/97		88.96	0	O	ME-SA	Ind-2001	a
17330	UAE/4/2008	Gazelle	87.52	0	O	ME-SA	Ind-2001	c
14504	SRL/2/97	Bovine	87.20	0	O	ME-SA	Srl-97	None
12427	PAK/16/2010	Cattle	87.04	0	O	ME-SA	PanAsia-2	PUN-10
212	AFG/30/2010		86.93	0	O	ME-SA	PanAsia-2	KHO-10
12855	PAK/7/2016	Cattle	86.87	0	O	ME-SA	PanAsia-2	PUN-16
8355	IRN/18/2010	Cattle	86.75	0	O	ME-SA	PanAsia-2	BAL-09

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

Virus sample: MOG/4/2026

Sample details

Reception Date:	2026-05-05
Sender reference:	MOG/FMDV/04/2026
Location of origin:	Sukhbaatar
Country of origin:	Mongolia
Date of collection:	2026-03-24
Host species:	sheep

Genotyping details

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

Sequencing details

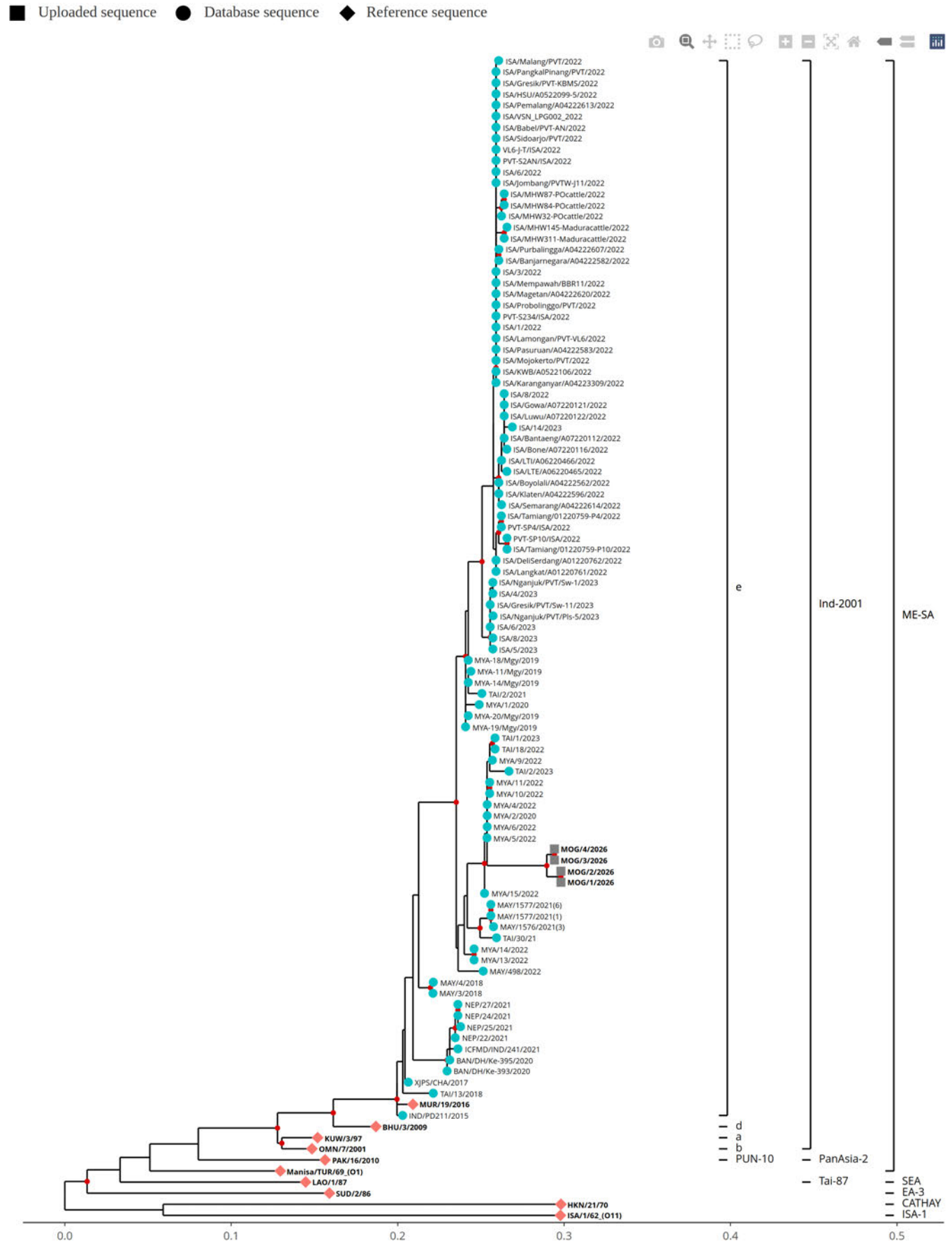
Material submitted for sequencing:	LFBK1
Material Harvest Date:	2026-05-19
Sequence length:	636
Ambiguities:	0

Most Closely Related FMDV Isolates

Sequence ID	Virus Name	Host	% Id	#Ambig.	Serotype	Topotype	Lineage	Sublineage
FMDV VP1 Sequences								
1482454	MYA/2/2020	Pig	96.37	0	O	ME-SA	Ind-2001	e
1482455	MYA/4/2022	Cattle	96.37	0	O	ME-SA	Ind-2001	e
1482456	MYA/5/2022	Cattle	96.37	0	O	ME-SA	Ind-2001	e
1482457	MYA/6/2022	Cattle	96.37	0	O	ME-SA	Ind-2001	e
1482460	MYA/10/2022	Cattle	96.21	0	O	ME-SA	Ind-2001	e
1482461	MYA/11/2022	Cattle	96.21	0	O	ME-SA	Ind-2001	e
1482464	MYA/15/2022	Cattle	96.21	0	O	ME-SA	Ind-2001	e
485489	TAI/18/2022	Cattle	95.89	0	O	ME-SA	Ind-2001	e
485492	TAI/1/2023	Cattle	95.89	0	O	ME-SA	Ind-2001	e
1482459	MYA/9/2022	Cattle	95.89	1	O	ME-SA	Ind-2001	e
FMDV VP1 Prototype Sequences*								
10989	MUR/19/2016	Cattle	93.36	0	O	ME-SA	Ind-2001	e
3294	BHU/3/2009	Cattle	89.57	0	O	ME-SA	Ind-2001	d
11999	OMN/7/2001		89.27	0	O	ME-SA	Ind-2001	b
10350	KUW/3/97		88.96	0	O	ME-SA	Ind-2001	a
17330	UAE/4/2008	Gazelle	87.52	0	O	ME-SA	Ind-2001	c
14504	SRL/2/97	Bovine	87.20	0	O	ME-SA	Srl-97	None
12427	PAK/16/2010	Cattle	87.04	0	O	ME-SA	PanAsia-2	PUN-10
212	AFG/30/2010		86.93	0	O	ME-SA	PanAsia-2	KHO-10
12855	PAK/7/2016	Cattle	86.87	0	O	ME-SA	PanAsia-2	PUN-16
8355	IRN/18/2010	Cattle	86.75	0	O	ME-SA	PanAsia-2	BAL-09

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

Tree


Uploaded sequence
Database sequence
Reference sequence
ISA/Malang/PVT/2022
ISA/PangkalPinang/PVT/2022
ISA/Gresik/PVT-KBMS/2022
ISA/HSU/A0522099-5/2022
ISA/Pemalang/A04222613/2022
ISA/VSN_LPG002_2022
ISA/Babel/PVT-AN/2022
ISA/Sidoarjo/PVT/2022
VL6-J-T/ISA/2022
PVT-S2AN/ISA/2022
ISA/6/2022
ISA/Jombang/PVTW-J11/2022
ISA/MHW87-POcattle/2022
ISA/MHW84-POcattle/2022
ISA/MHW32-POcattle/2022
ISA/MHW145-Maduracattle/2022
ISA/MHW311-Maduracattle/2022
ISA/Purbalingga/A04222607/2022
ISA/Banjarnegara/A04222582/2022
ISA/3/2022
ISA/Mempawah/BBR11/2022
ISA/Magetan/A04222620/2022
ISA/Probolinggo/PVT/2022
PVT-S234/ISA/2022
ISA/1/2022
ISA/Lamongan/PVT-VL6/2022
ISA/Pasuruan/A04222583/2022
ISA/Mojokerto/PVT/2022
ISA/KWB/A0522106/2022
ISA/Karanganyar/A04223309/2022
ISA/8/2022
ISA/Gowa/A07220121/2022
ISA/Luwu/A07220122/2022
ISA/14/2023
ISA/Bantaeng/A07220112/2022
ISA/Bone/A07220116/2022
ISA/LTI/A06220466/2022
ISA/LTE/A06220465/2022
ISA/Boyolali/A04222562/2022
ISA/Klaten/A04222596/2022
ISA/Semarang/A04222614/2022
ISA/Tamiang/01220759-P4/2022
PVT-SP4/ISA/2022
PVT-SP10/ISA/2022
ISA/Tamiang/01220759-P10/2022
ISA/DeliSerdang/A01220762/2022
ISA/Langkat/A01220761/2022
ISA/Nganjuk/PVT/Sw-1/2023
ISA/4/2023
ISA/Gresik/PVT/Sw-11/2023
ISA/Nganjuk/PVT/Pls-5/2023
ISA/6/2023
ISA/8/2023
ISA/5/2023
MYA-18/Mgy/2019
MYA-11/Mgy/2019
MYA-14/Mgy/2019
TAI/2/2021
MYA/1/2020
MYA-20/Mgy/2019
MYA-19/Mgy/2019
TAI/1/2023
TAI/18/2022
MYA/9/2022
TAI/2/2023
MYA/11/2022
MYA/10/2022
MYA/4/2022
MYA/2/2020
MYA/6/2022
MYA/5/2022
MOG/4/2026
MOG/3/2026
MOG/2/2026
MOG/1/2026
MYA/15/2022
MAY/1577/2021(6)
MAY/1577/2021(1)
MAY/1576/2021(3)
TAI/30/21
MYA/14/2022
MYA/13/2022
MAY/498/2022
MAY/4/2018
MAY/3/2018
NEP/27/2021
NEP/24/2021
NEP/25/2021
NEP/22/2021
ICFMD/IND/241/2021
BAN/DH/Ke-395/2020
BAN/DH/Ke-393/2020
XJPS/CHA/2017
TAI/13/2018
MUR/19/2016
IND/PD211/2015
BHU/3/2009
KUW/3/97
OMN/7/2001
PAK/16/2010
Manisa/TUR/69_(O1)
LAO/1/87
SUD/2/86
HKN/21/70
ISA/1/62_(O11)
0.0
0.1
0.2
0.3
0.4
0.5
e
d
a
b
PUN-10
Ind-2001
PanAsia-2
Tai-87
ME-SA
SEA
EA-3
CATHAY
ISA-1

Analysis Parameters

Query sequence set: WRLFMD/2026/000009
Number of related sequences reported: 91
Number of prototype sequences in tree: 10
Minimal VP1 subsequence match length: 610
Sequence alignment length: 634

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
MAY/3/2018	None	Cattle	WRLFMD	Malaysia	O/ME-SA/Ind-2001/e	None
MAY/4/2018	None	Cattle	WRLFMD	Malaysia	O/ME-SA/Ind-2001/e	None
TAI/2/2023	None	Cattle	WRLFMD	Thailand	O/ME-SA/Ind-2001/e	None
MYA-14/Mgy/2019 *	LC603299	Cattle	NIAH-JAPAN	Myanmar	O/ME-SA/Ind-2001/e	41200503
MYA-18/Mgy/2019 *	LC603300	Cattle	NIAH-JAPAN	Myanmar	O/ME-SA/Ind-2001/e	41200503
MYA-19/Mgy/2019 *	LC603301	Cattle	NIAH-JAPAN	Myanmar	O/ME-SA/Ind-2001/e	41200503
MYA-11/Mgy/2019 *	LC604883	Cattle	NIAH-JAPAN	Myanmar	O/ME-SA/Ind-2001/e	41200503
MYA-20/Mgy/2019 *	LC604888	Cattle	NIAH-JAPAN	Myanmar	O/ME-SA/Ind-2001/e	41200503
MYA/1/2020 *	LC815045	Cattle	NIAH-JAPAN	Myanmar	O/ME-SA/Ind-2001/e	41200503
MYA/2/2020 *	LC815046	Pig	NIAH-JAPAN	Myanmar	O/ME-SA/Ind-2001/e	41200503
MYA/4/2022 *	LC815047	Cattle	NIAH-JAPAN	Myanmar	O/ME-SA/Ind-2001/e	41200503
MYA/5/2022 *	LC815048	Cattle	NIAH-JAPAN	Myanmar	O/ME-SA/Ind-2001/e	41200503
MYA/6/2022 *	LC815049	Cattle	NIAH-JAPAN	Myanmar	O/ME-SA/Ind-2001/e	41200503
MYA/9/2022 *	LC815051	Cattle	NIAH-JAPAN	Myanmar	O/ME-SA/Ind-2001/e	41200503
MYA/10/2022 *	LC815052	Cattle	NIAH-JAPAN	Myanmar	O/ME-SA/Ind-2001/e	41200503
MYA/11/2022 *	LC815053	Cattle	NIAH-JAPAN	Myanmar	O/ME-SA/Ind-2001/e	41200503
MYA/13/2022 *	LC815054	Cattle	NIAH-JAPAN	Myanmar	O/ME-SA/Ind-2001/e	41200503
MYA/14/2022 *	LC815055	Cattle	NIAH-JAPAN	Myanmar	O/ME-SA/Ind-2001/e	41200503
MYA/15/2022 *	LC815056	Cattle	NIAH-JAPAN	Myanmar	O/ME-SA/Ind-2001/e	41200503
TAI/13/2018	None	Cattle	WRLFMD	Thailand	O/ME-SA/Ind-2001/e	None
BAN/DH/Ke-393/2020 *	OP320438	Cattle	UNIV-DHAKA	Bangladesh	O/ME-SA/Ind-2001/e	None
BAN/DH/Ke-395/2020 *	OP320439	Cattle	UNIV-DHAKA	Bangladesh	O/ME-SA/Ind-2001/e	None
IND/PD211/2015 *	MT909645	Cattle	PD-FMD	India	O/ME-SA/Ind-2001/e	None
ISA/1/2022	None	Cattle	WRLFMD	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/3/2022	None	Cattle	WRLFMD	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/6/2022	None	Cattle	WRLFMD	Indonesia	O/ME-SA/Ind-2001/e	None
VL6-J-T/ISA/2022 *	None		PUSVETMA	Indonesia	O/ME-SA/Ind-2001/e	None
PVT-SP4/ISA/2022 *	None	Cattle	PUSVETMA	Indonesia	O/ME-SA/Ind-2001/e	None
PVT-SP10/ISA/2022 *	None	Cattle	PUSVETMA	Indonesia	O/ME-SA/Ind-2001/e	None
PVT-S2AN/ISA/2022 *	None	Cattle	PUSVETMA	Indonesia	O/ME-SA/Ind-2001/e	None
PVT-S234/ISA/2022 *	None	Cattle	PUSVETMA	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Tamiang/01220759-P4/2022 *	ON783873	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Tamiang/01220759-P10/2022 *	ON783874	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Langkat/A01220761/2022 *	ON854934	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/DeliSerdang/A01220762/2022 *	ON854935	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Lamongan/PVT-VL6/2022 *	ON854936	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Sidoarjo/PVT/2022 *	ON854937	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Mojokerto/PVT/2022 *	ON854938	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Babel/PVT-AN/2022 *	ON854939	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Probolinggo/PVT/2022 *	ON854940	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Malang/PVT/2022 *	ON854941	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Boyolali/A04222562/2022 *	ON854942	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Pasuruan/A04222583/2022 *	ON854943	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/PangkalPinang/PVT/2022 *	ON854944	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/LTE/A06220465/2022 *	ON854945	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/LTI/A06220466/2022 *	ON854946	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Mempawah/BBR11/2022 *	ON854947	Goat	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/KWB/A0522106/2022 *	ON854948	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Banjarnegara/A04222582/2022 *	ON854949	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Klaten/A04222596/2022 *	ON854950	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Jombang/PVTW-J11/2022 *	ON854951	Goat	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Gresik/PVT-KBMS/2022 *	ON854952	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Purbalingga/A04222607/2022 *	ON854953	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Pemalang/A04222613/2022 *	ON854954	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Semarang/A04222614/2022 *	ON854955	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Magetan/A04222620/2022 *	ON854956	Cattle	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/HSU/A0522099-5/2022 *	ON854957	Goat	DICWY	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Bantaeng/A07220112/2022 *	None		PUSVETMA	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Bone/A07220116/2022 *	None		PUSVETMA	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Gowa/A07220121/2022 *	None		PUSVETMA	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Luwu/A07220122/2022 *	None		PUSVETMA	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Karanganyar/A04223309/2022 *	None		PUSVETMA	Indonesia	O/ME-SA/Ind-2001/e	None

FMDV VP1 Sequences included in the Phylogenetic Tree *(continued)*

Sequence Name	GenBank Accession	Host	Ref Lab	Country	FMDV Taxonomy	Pubmed Reference Number
MAY/1576/2021(3) *	None	Cattle	MNFMDL	Malaysia	O/ME-SA/Ind-2001/e	None
MAY/1577/2021(1) *	None	Cattle	MNFMDL	Malaysia	O/ME-SA/Ind-2001/e	None
MAY/1577/2021(6) *	None	Cattle	MNFMDL	Malaysia	O/ME-SA/Ind-2001/e	None
MAY/498/2022 *	None	Cattle	MNFMDL	Malaysia	O/ME-SA/Ind-2001/e	None
NEP/22/2021	None	Bovine	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/24/2021	None	Bovine	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/25/2021	None	Bovine	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
NEP/27/2021	None	Bovine	WRLFMD	Nepal	O/ME-SA/Ind-2001/e	None
TAI/2/2021	None	Cattle	WRLFMD	Thailand	O/ME-SA/Ind-2001/e	None
TAI/30/21 *	None	Bovine	TRRL	Thailand	O/ME-SA/Ind-2001/e	None
XJPS/CHA/2017 *	KY696707	Cattle	LVRI	China	O/ME-SA/Ind-2001/e	None
ICFMD/IND/241/2021 *	OQ846982	Cattle	ICAR-DFMD	India	O/ME-SA/Ind-2001/e	None
TAI/18/2022	None	Cattle	WRLFMD	Thailand	O/ME-SA/Ind-2001/e	None
TAI/1/2023	None	Cattle	WRLFMD	Thailand	O/ME-SA/Ind-2001/e	None
ISA/8/2022	None	Cattle	WRLFMD	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/4/2023	None	Cattle	WRLFMD	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/5/2023	None	Cattle	WRLFMD	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/6/2023	None	Cattle	WRLFMD	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/8/2023	None	Cattle	WRLFMD	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/14/2023	None	Cattle	WRLFMD	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Nganjuk/PVT/Pls-5/2023 *	None	Cattle	PUSVETMA	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Nganjuk/PVT/Sw-1/2023 *	None	Cattle	PUSVETMA	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/Gresik/PVT/Sw-11/2023 *	None	Cattle	PUSVETMA	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/VSN_LPG002_2022 *	OP751924	Cattle	VAKSINDO-SN	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/MHW32-POcattle/2022 *	OR570805	Peranakan Ongole	UGM	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/MHW84-POcattle/2022 *	OR570806	Peranakan Ongole	UGM	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/MHW87-POcattle/2022 *	OR570807	Peranakan Ongole	UGM	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/MHW145-Maduracattle/2022 *	OR570808	Madura	UGM	Indonesia	O/ME-SA/Ind-2001/e	None
ISA/MHW311-Maduracattle/2022 *	OR570809	Madura	UGM	Indonesia	O/ME-SA/Ind-2001/e	None

* Not a WRLFMD Reference Number;
Not Available