

Serotype: A	Report date: 23/02/2006
WRL Ref No: EGY/1/2006	
Sender Ref: 1	
Date collected: 09/02/2006	
Date received by WRLFMD: 19/02/2006	Topotype: Africa
Date received for sequencing: 20/02/2006	Genotype/strain: not designated
Species: Cattle	Sequence filename: EGY06-01.SEQ
Material used: BTy1	Date sequence last updated: 23/02/2006
Region sequenced: VP1	Total no. of comparisons: 849
RT-PCR primers: A-1C562F/EUR-2B52R; A-1C612F/EUR-2B52R	Min. no. of nt for comparison: 300
No. of Nt determined: 639	Total turn-around time: 4 days
No. of ambiguities: 0	Sequencing time: 3 days
Gene length: 639	

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/EGY/2/2006	EGY06-02	639	638	0	99.84	0.16
2	A/KEN/15/98 (K62/98)	KEN98-15	639	604	0	94.52	5.48
3	A/KEN/16/98A (K67/98)	KEN98A16	639	603	0	94.37	5.63
4	A/ETH/23/94	ETH94-23	639	585	0	91.55	8.45
5	A/ETH/1/94	ETH94-01	639	585	0	91.55	8.45
6	A/ETH/7/92	ETH92-07	639	585	0	91.55	8.45
7	A/YEM/2/98	YEM98-02	639	582	0	91.08	8.92
8	A/UGA/20/76	UGA76-20	639	579	0	90.61	9.39
9	A/SUD/1/82	SUD82-01	639	571	0	89.36	10.64
10	A/UGA/13/66	UGA66-13	639	569	0	89.05	10.95

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	512	0	80.13	19.87
2	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	512	0	80.13	19.87
3	A/TAI/2/97	TAI97-02	636	509	0	80.03	19.97
4	A/IND/7/82 (1980)	IND82-07	639	511	0	79.97	20.03
5	A/TAI/118/87*	TAI87-AD	636	508	0	79.87	20.13
6	A/SAU/41/91	SAU91-41	636	505	0	79.4	20.6
7	A/IRN/1/96	IRN96-01	638	505	1	79.15	20.85
8	A/IRN/87	IRN87--M	634	501	2	79.02	20.98
9	A/SAU/23/86	SAU86-23	639	496	0	77.62	22.38
10	A/IRN/22/99	IRN99-22	636	489	0	76.89	23.11

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A	Report date: 23/02/2006
WRL Ref No: EGY/2/2006	
Sender Ref: 2	
Date collected: 09/02/2006	
Date received by WRLFMD: 19/02/2006	Topotype: Africa
Date received for sequencing: 20/02/2006	Genotype/strain: not designated
Species: Cattle	Sequence filename: EGY06-02.SEQ
Material used: BTy1	Date sequence last updated: 23/02/2006
Region sequenced: VP1	Total no. of comparisons: 849
RT-PCR primers: A-1C562F/EUR-2B52R; A-1C612F/EUR-2B52R	Min. no. of nt for comparison: 300
No. of Nt determined: 639	Total turn-around time: 4 days
No. of ambiguities: 0	Sequencing time: 3 days
Gene length: 639	

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/EGY/1/2006	EGY06-01	639	638	0	99.84	0.16
2	A/KEN/15/98 (K62/98)	KEN98-15	639	603	0	94.37	5.63
3	A/KEN/16/98A (K67/98)	KEN98A16	639	602	0	94.21	5.79
4	A/ETH/23/94	ETH94-23	639	584	0	91.39	8.61
5	A/ETH/1/94	ETH94-01	639	584	0	91.39	8.61
6	A/ETH/7/92	ETH92-07	639	584	0	91.39	8.61
7	A/YEM/2/98	YEM98-02	639	581	0	90.92	9.08
8	A/UGA/20/76	UGA76-20	639	578	0	90.45	9.55
9	A/SUD/1/82	SUD82-01	639	570	0	89.2	10.8
10	A/UGA/13/66	UGA66-13	639	568	0	88.89	11.11

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	511	0	79.97	20.03
2	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	511	0	79.97	20.03
3	A/TAI/2/97	TAI97-02	636	508	0	79.87	20.13
4	A/IND/7/82 (1980)	IND82-07	639	510	0	79.81	20.19
5	A/TAI/118/87* (D)	TAI87-AD	636	507	0	79.72	20.28
6	A/SAU/41/91	SAU91-41	636	504	0	79.25	20.75
7	A/IRN/1/96	IRN96-01	638	504	1	79	21
8	A/IRN/87	IRN87--M	634	500	2	78.86	21.14
9	A/SAU/23/86	SAU86-23	639	495	0	77.46	22.54
10	A/IRN/22/99	IRN99-22	636	488	0	76.73	23.27

nt, nucleotides

*, not a WRLFMD reference number

