

Serotype: A
WRL Ref No: A/VIT/4/2004
Date collected: 09/2004
Date received: 05/10/2004
Species: Bovine
Material used: 10% epith. susp.
Region sequenced: VP1
RT-PCR primers: A-1C612F/NK61
No. of Nt determined: 636
No. of ambiguities: 0
Gene length: 636

Report date: 08/10/2004
Topotype: Asia
Genotype/strain: none designated
Sequence filename: VIT04-04.SEQ
Date sequence last updated: 08/10/2004
Total no. of comparisons: 753

Comments: The nucleotide difference between A/VIT/4/2004 and A/VIT/5/2004 is 2.36%

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/MAY/4/2003	MAY03-04	636	626	0	98.43	1.57
2	A/TAI/5/2003	TAI03-05	624	614	0	98.4	1.6
3	A/TAI/7/2003	TAI03-07	636	625	0	98.27	1.73
4	A/TAI/10/2003	TAI03-10	636	624	0	98.11	1.89
5	A/TAI/8/2003	TAI03-08	631	619	5	98.1	1.9
6	A/TAI/9/2003	TAI03-09	617	605	1	98.06	1.94
7	A/MAY/3/2003	MAY03-03	636	623	0	97.96	2.04
8	A/TAI/4/2003	TAI03-04	635	622	1	97.95	2.05
9	A/TAI/11/2003	TAI03-11	634	621	2	97.95	2.05
10	A/MAY/1/2003	MAY03-01	636	622	0	97.8	2.2

Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97	TAI97-02	636	591	0	92.92	7.08
2	A/TAI/118/87*	TAI87-AD	636	568	0	89.31	10.69
3	A/IND/7/82 (1980)	IND82-07	250	212	16	84.8	15.2
4	A/SAU/23/86	SAU86-23	636	525	0	82.55	17.45
5	A/IRN/87	IRN87--M	634	521	2	82.18	17.82
6	A22/IRQ/24/64	IRQ64-24	636	520	0	81.76	18.24
7	A/IRN/1/96	IRN96-01	635	519	1	81.73	18.27
8	A/IRN/22/99	IRN99-22	633	512	0	80.88	19.12
9	A/SAU/41/91	SAU91-41	132	106	4	80.3	19.7
10	A24/Cruzeiro/BRA/55	BRA55--C	636	507	0	79.72	20.28

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A Report date: 08/10/2004
WRL Ref No: A/VIT/5/2004
Date collected: 09/2004
Date received: 05/10/2004
Species: Bovine Topotype: Asia
Material used: 10% epith. susp. Genotype/strain: none designated
Region sequenced: VP1 Sequence filename: VIT04-05.SEQ
RT-PCR primers: A-1C612F/NK61 Date sequence last updated: 08/10/2004
No. of Nt determined: 636 Total no. of comparisons: 753
No. of ambiguities: 0
Gene length: 636

Comments: The nucleotide difference between A/VIT/5/2004 and A/VIT/4/2004 is 2.36%

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/8/2003	TAI03-08	631	624	5	98.89	1.11
2	A/TAI/5/2003	TAI03-05	624	617	0	98.88	1.12
3	A/TAI/9/2003	TAI03-09	617	610	1	98.87	1.13
4	A/TAI/7/2003	TAI03-07	636	628	0	98.74	1.26
5	A/TAI/10/2003	TAI03-10	636	627	0	98.58	1.42
6	A/MAY/4/2003	MAY03-04	636	627	0	98.58	1.42
7	A/MAY/3/2003	MAY03-03	636	626	0	98.43	1.57
8	A/TAI/4/2003	TAI03-04	635	625	1	98.43	1.57
9	A/MAY/1/2003	MAY03-01	636	625	0	98.27	1.73
10	A/TAI/11/2003	TAI03-11	634	622	2	98.11	1.89

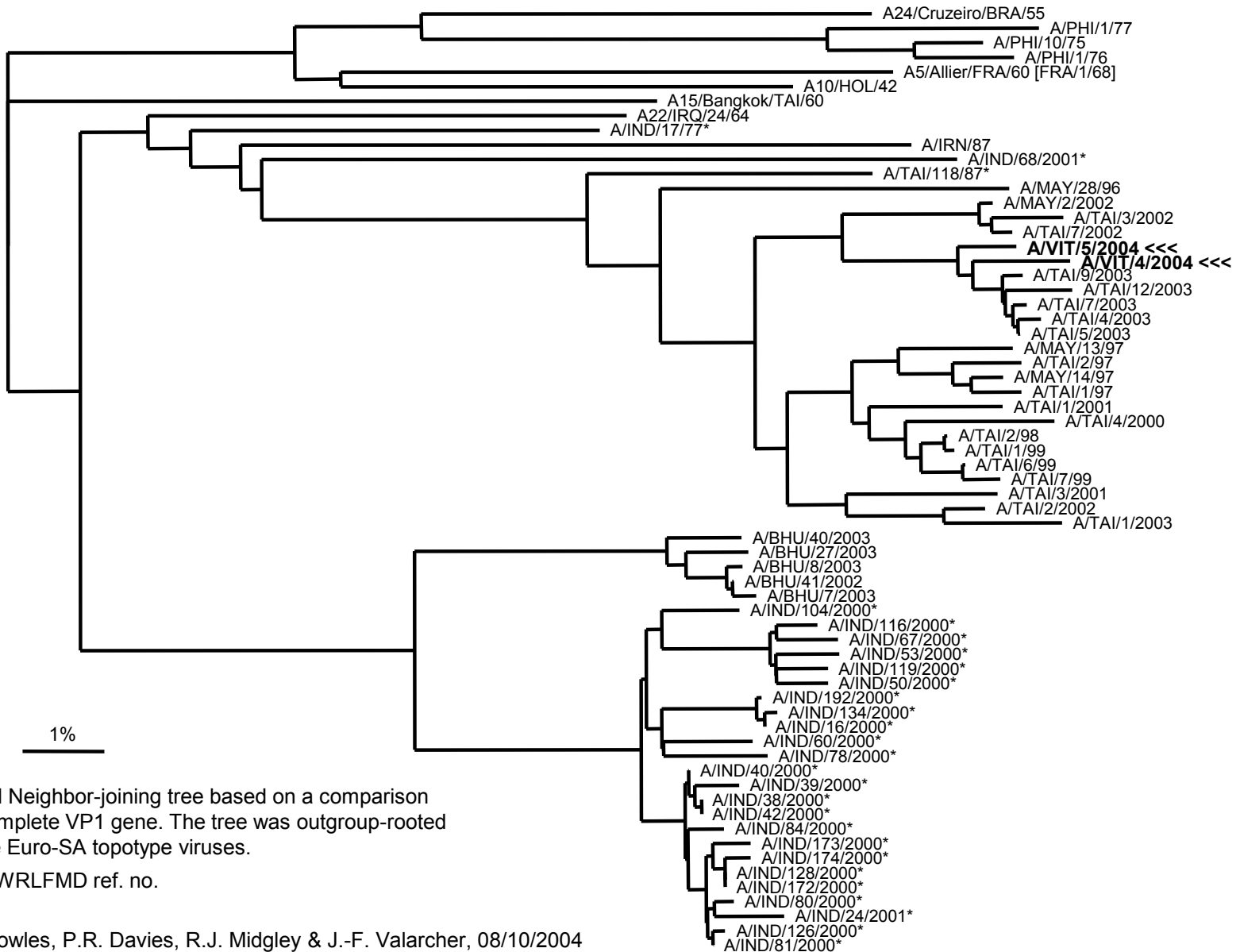
Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/TAI/2/97	TAI97-02	636	597	0	93.87	6.13
2	A/TAI/118/87*	TAI87-AD	636	573	0	90.09	9.91
3	A/IND/7/82 (1980)	IND82-07	250	214	16	85.6	14.4
4	A/IRN/87	IRN87--M	634	528	2	83.28	16.72
5	A/SAU/23/86	SAU86-23	636	528	0	83.02	16.98
6	A/SAU/41/91	SAU91-41	132	109	4	82.58	17.42
7	A22/IRQ/24/64	IRQ64-24	636	524	0	82.39	17.61
8	A/IRN/1/96	IRN96-01	635	523	1	82.36	17.64
9	A/IRN/22/99	IRN99-22	633	515	0	81.36	18.64
10	A24/Cruzeiro/BRA/55	BRA55--C	636	511	0	80.35	19.65

nt, nucleotides

*, not a WRLFMD reference number

Report on: A Vietnam 2004



Unrooted Neighbor-joining tree based on a comparison of the complete VP1 gene. The tree was outgroup-rooted using the Euro-SA topotype viruses.

* not a WRLFMD ref. no.