

Serotype: A
WRL Ref No: IRN/7/2004
Date collected: not known
Date received: 14/09/2004
Species: Cattle
Material used: BTy2
Region sequenced: VP1
RT-PCR primers: A-1C562F/NK61 &
A-1C612F/NK61
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 29/09/2004

Topotype: Asia

Genotype/strain:

Sequence filename: IRN04-07.SEQ

Date sequence last updated: 29/09/2004

Total no. of comparisons: 746

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/IRN/26/2003	IRN03-26	600	572	2	95.33	4.67
2	A/IRN/41/2003	IRN03-41	637	607	2	95.29	4.71
3	A/IRN/34/2001	IRN01-34	638	563	1	88.24	11.76
4	A/SAU/111/93 (P21)	SAU93P21	168	148	0	88.1	11.9
5	A/SAU/104/93 (P16)	SAU93P16	168	148	0	88.1	11.9
6	A/IND/6/92	IND92006	210	185	0	88.1	11.9
7	A/IRN/1/94	IRN94-01	163	143	8	87.73	12.27
8	A/IRN/32/2001	IRN01-32	638	558	1	87.46	12.54
9	A/IRN/7/2003	IRN03-07	639	557	0	87.17	12.83
10	A/IRN/2/2002	IRN02-02	639	557	0	87.17	12.83

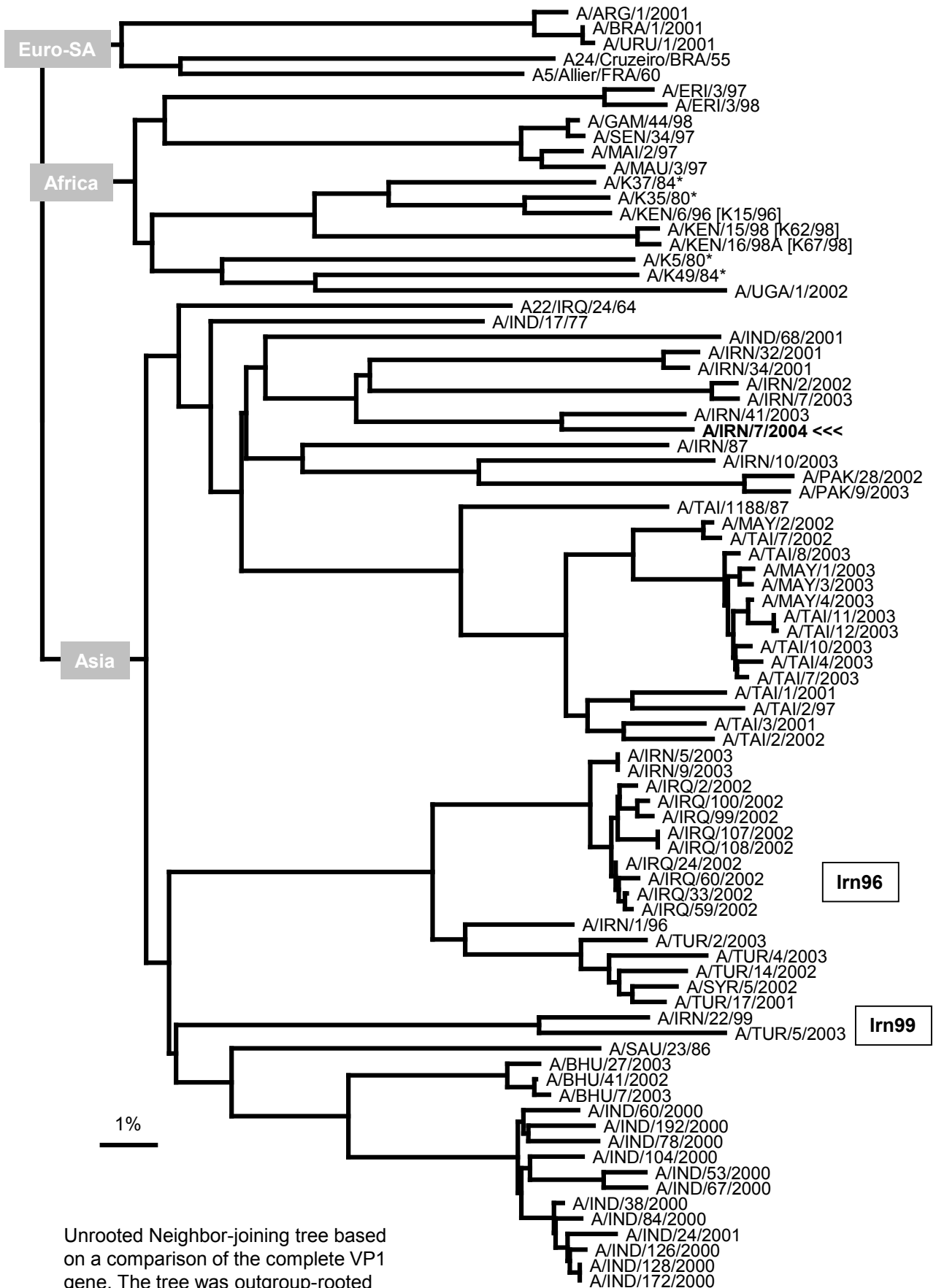
Relationships to Reference Virus Strains

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/IND/7/82 (1980)	IND82-07	253	220	16	86.96	13.04
2	A/SAU/41/91	SAU91-41	132	111	4	84.09	15.91
3	A/IRN/22/99	IRN99-22	636	534	0	83.96	16.04
4	A/TAI/1188/87*	TAI87-AD	636	530	0	83.33	16.67
5	A/IRN/87	IRN87--M	634	528	2	83.28	16.72
6	A22/IRQ/24/64	IRQ64-24	639	530	0	82.94	17.06
7	A/IRN/1/96	IRN96-01	638	529	1	82.92	17.08
8	A/SAU/23/86	SAU86-23	639	527	0	82.47	17.53
9	A/TAI/2/97	TAI97-02	636	521	0	81.92	18.08
10	A24/Cruzeiro/BRA/55	BRA55--C	639	507	0	79.34	20.66

nt, nucleotides

*, not a WRLFMD reference number

Report on A/IRN/7/2004



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