

Serotype: A	Report date: 23/11/2007						
WRL Ref No: IRN/36/2007							
Sender Ref: IR 86-5							
Date collected: 01/10/2007							
Date received by WRLFMD: 24/10/2007	Topotype: ASIA						
Date received for sequencing: 05/11/2007	Genotype/strain: Irn-05						
Species: Cattle	Sequence filename: IRN07-36.SEQ						
Material used: BTy1	Date sequence last updated: 13/11/2007						
Region sequenced: VP1	Total no. of comparisons: 914						
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: 30 days						
No. of ambiguities: 0	Sequencing time: 18 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/IRN/37/2007	IRN07-37	639	639	0	100	0
2	A/IRN/54/2006	IRN06-54	639	618	0	96.71	3.29
3	A/IRN/5/2005	IRN05-05	639	616	0	96.4	3.6
4	A/IRN/44/2005	IRN05-44	639	615	0	96.24	3.76
5	A/IRN/7/2005	IRN05-07	639	615	0	96.24	3.76
6	A/PAK/5/2006	PAK06-05	639	615	0	96.24	3.76
7	A/TUR/8/2005	TUR05-08	639	615	0	96.24	3.76
8	A/IRN/1/2005 (EF208769)	IRN05-01	639	614	0	96.09	3.91
9	A/IRN/10/2005	IRN05-10	639	614	0	96.09	3.91
10	A/IRN/13/2005	IRN05-13	639	614	0	96.09	3.91
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	639	549	0	85.92	14.08
2	A/SAU/41/91	SAU91-41	636	546	0	85.85	14.15
3	A/IRN/87	IRN87--M	634	537	2	84.7	15.3
4	A/TAI/118/87* (EF208777)	TAI87-AD	636	536	0	84.28	15.72
5	A/IRN/22/99 (EF208772)	IRN99-22	636	535	0	84.12	15.88
6	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	537	0	84.04	15.96
7	A/SAU/23/86	SAU86-23	639	533	0	83.41	16.59
8	A/IRN/1/96 (EF208771)	IRN96-01	638	528	1	82.76	17.24
9	A/TAI/2/97 (EF208778)	TAI97-02	636	521	0	81.92	18.08
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	505	0	79.03	20.97
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: A Report date: 23/11/2007
WRL Ref No: IRN/37/2007
Sender Ref: IR 86-6
Date collected: 01/10/2007
Date received by WRLFMD: 24/10/2007
Date received for sequencing: 05/11/2007 Topotype: ASIA
Species: Cattle Genotype/strain: Irn-05
Material used: BTy1 Sequence filename: IRN07-37.SEQ
Region sequenced: VP1 Date sequence last updated: 07/11/2007
RT-PCR primers: A-1C562F/EUR-2B52R; Total no. of comparisons: 914
A-1C612F/EUR-2B52R Min. no. of nt for comparison: 300
No. of Nt determined: 639 Total turn-around time: 30 days
No. of ambiguities: 0 Sequencing time: 18 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/IRN/36/2007	IRN07-36	639	639	0	100	0
2	A/IRN/54/2006	IRN06-54	639	618	0	96.71	3.29
3	A/IRN/5/2005	IRN05-05	639	616	0	96.4	3.6
4	A/IRN/44/2005	IRN05-44	639	615	0	96.24	3.76
5	A/IRN/7/2005	IRN05-07	639	615	0	96.24	3.76
6	A/PAK/5/2006	PAK06-05	639	615	0	96.24	3.76
7	A/TUR/8/2005	TUR05-08	639	615	0	96.24	3.76
8	A/IRN/1/2005 (EF208769)	IRN05-01	639	614	0	96.09	3.91
9	A/IRN/10/2005	IRN05-10	639	614	0	96.09	3.91
10	A/IRN/13/2005	IRN05-13	639	614	0	96.09	3.91

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	639	549	0	85.92	14.08
2	A/SAU/41/91	SAU91-41	636	546	0	85.85	14.15
3	A/IRN/87	IRN87--M	634	537	2	84.7	15.3
4	A/TAI/118/87* (EF208777)	TAI87-AD	636	536	0	84.28	15.72
5	A/IRN/22/99 (EF208772)	IRN99-22	636	535	0	84.12	15.88
6	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	537	0	84.04	15.96
7	A/SAU/23/86	SAU86-23	639	533	0	83.41	16.59
8	A/IRN/1/96 (EF208771)	IRN96-01	638	528	1	82.76	17.24
9	A/TAI/2/97 (EF208778)	TAI97-02	636	521	0	81.92	18.08
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	505	0	79.03	20.97

nt, nucleotides

*, not a WRLFMD reference number

Serotype: A		Report date: 23/11/2007					
WRL Ref No: IRN/38/2007							
Sender Ref: IR 86-7							
Date collected: 01/10/2007							
Date received by WRLFMD: 24/10/2007		Topotype: ASIA					
Date received for sequencing: 05/11/2007		Genotype/strain: Irn-05					
Species: Cattle		Sequence filename: IRN07-38.SEQ					
Material used: BTy1		Date sequence last updated: 13/11/2007					
Region sequenced: VP1		Total no. of comparisons: 914					
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: 30 days					
No. of ambiguities: 0		Sequencing time: 18 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/IRN/39/2007	IRN07-39	639	639	0	100	0
2	A/IRN/3/2007	IRN07-03	639	630	0	98.59	1.41
3	A/PAK/5/2006	PAK06-05	639	623	0	97.5	2.5
4	A/AFG/44/2007	AFG07-44	639	617	0	96.56	3.44
5	A/AFG/6/2007	AFG07-06	639	616	0	96.4	3.6
6	A/IRN/24/2005	IRN05-24	639	615	0	96.24	3.76
7	A/IRN/53/2005	IRN05-53	639	615	0	96.24	3.76
8	A/IRN/22/2005	IRN05-22	639	614	0	96.09	3.91
9	A/IRN/27/2005	IRN05-27	639	614	0	96.09	3.91
10	A/IRN/5/2005	IRN05-05	639	614	0	96.09	3.91
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	639	544	0	85.13	14.87
2	A/IRN/22/99 (EF208772)	IRN99-22	636	538	0	84.59	15.41
3	A/SAU/41/91	SAU91-41	636	538	0	84.59	15.41
4	A/TAI/118/87* (EF208777)	TAI87-AD	636	534	0	83.96	16.04
5	A/IRN/87	IRN87--M	634	532	2	83.91	16.09
6	A/IRN/1/96 (EF208771)	IRN96-01	638	533	1	83.54	16.46
7	A/SAU/23/86	SAU86-23	639	533	0	83.41	16.59
8	A/TAI/2/97 (EF208778)	TAI97-02	636	526	0	82.7	17.3
9	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	527	0	82.47	17.53
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	503	0	78.72	21.28
nt, nucleotides							
*, not a WRLFMD reference number							

Serotype: A
WRL Ref No: IRN/39/2007
Sender Ref: IR 86-8
Date collected: 01/10/2007
Date received by WRLFMD: 24/10/2007
Date received for sequencing: 05/11/2007
Species: Cattle
Material used: BTy1
Region sequenced: VP1
RT-PCR primers: A-1C562F/EUR-2B52R;
A-1C612F/EUR-2B52R
No. of Nt determined: 639
No. of ambiguities: 0
Gene length: 639

Report date: 23/11/2007
Topotype: ASIA
Genotype/strain: Irn-05
Sequence filename: IRN07-39.SEQ
Date sequence last updated: 13/11/2007
Total no. of comparisons: 914
Min. no. of nt for comparison: 300
Total turn-around time: 30 days
Sequencing time: 18 days

Comments:

Ten Most Closely Related Viruses

Pos.	Virus name	Filename	No. nt compared	No. nt matched	No. of ambiguities	% Identity	% Difference
1	A/IRN/38/2007	IRN07-38	639	639	0	100	0
2	A/IRN/3/2007	IRN07-03	639	630	0	98.59	1.41
3	A/PAK/5/2006	PAK06-05	639	623	0	97.5	2.5
4	A/AFG/44/2007	AFG07-44	639	617	0	96.56	3.44
5	A/AFG/6/2007	AFG07-06	639	616	0	96.4	3.6
6	A/IRN/24/2005	IRN05-24	639	615	0	96.24	3.76
7	A/IRN/53/2005	IRN05-53	639	615	0	96.24	3.76
8	A/IRN/22/2005	IRN05-22	639	614	0	96.09	3.91
9	A/IRN/27/2005	IRN05-27	639	614	0	96.09	3.91
10	A/IRN/5/2005	IRN05-05	639	614	0	96.09	3.91

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	639	544	0	85.13	14.87
2	A/IRN/22/99 (EF208772)	IRN99-22	636	538	0	84.59	15.41
3	A/SAU/41/91	SAU91-41	636	538	0	84.59	15.41
4	A/TAI/118/87* (EF208777)	TAI87-AD	636	534	0	83.96	16.04
5	A/IRN/87	IRN87--M	634	532	2	83.91	16.09
6	A/IRN/1/96 (EF208771)	IRN96-01	638	533	1	83.54	16.46
7	A/SAU/23/86	SAU86-23	639	533	0	83.41	16.59
8	A/TAI/2/97 (EF208778)	TAI97-02	636	526	0	82.7	17.3
9	A22/IRQ/24/64 (AJ251474)	IRQ64-24	639	527	0	82.47	17.53
10	A24/Cruzeiro/BRA/55 (AJ251476)	BRA55--C	639	503	0	78.72	21.28

nt, nucleotides

*, not a WRLFMD reference number

