

S2 Table. Influenza B virus clinical isolates sequenced in this study.

No	Name of Sample	Accession No. (HA)	Clade (Subclade)	Accession No. (NA)	Lineage	Collection Date	Days(s) after Onset of Disease	Age	Sex	Nasal Discharge	Nasal congestion	Headache	Sore throat	Hoarseness of voice	Muscle ache	Cough
1	B/Malaysia/U32/2012	KR073326	Vic-1A (VP-1)	KR073494	Vic-1A (VP-1)	Victoria	29-Feb-12	41	Female	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2	B/Malaysia/U37/2012	KR073327	Vic-1A (VP-1)	KR073495	Vic-1A (VP-1)	Victoria	29-Feb-12	65	Male	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3	B/Malaysia/U69/2012	KR073328	Yam-3 (Wisconsin01)	KR073496	Yam-3 (Wisconsin01)	Yamagata	7-Mar-12	13	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4	B/Malaysia/U82/2012	KR073329	Vic-1A (VP-2)	KR073497	Vic-1A (VP-2)	Victoria	9-Mar-12	65	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5	B/Malaysia/U83/2012	KR073330	Vic-1A (VP-2)	KR073498	Vic-1A (VP-2)	Victoria	9-Mar-12	28	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
6	B/Malaysia/U81/2012	KR073331	Vic-1A (VP-1)	KR073499	Vic-1A (VP-1)	Victoria	9-Mar-12	51	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
7	B/Malaysia/U116/2012	KR073332	Yam-3 (Wisconsin01)	KR073500	Yam-3 (Wisconsin01)	Yamagata	14-Mar-12	51	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
8	B/Malaysia/U123/2012	KR073333	Yam-3 (Wisconsin01)	KR073501	Yam-3 (Wisconsin01)	Yamagata	14-Mar-12	51	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
9	B/Malaysia/U132/2012	KR073334	Vic-1A (VP-1)	KR073502	Vic-1A (VP-1)	Victoria	16-Mar-12	65	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
10	B/Malaysia/U138/2012	KR073335	Vic-1A (VP-1)	KR073503	Vic-1A (VP-1)	Victoria	16-Mar-12	52	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
11	B/Malaysia/U140/2012	KR073336	Yam-3 (Wisconsin01)	KR073504	Yam-3 (Wisconsin01)	Yamagata	19-Mar-12	46	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
12	B/Malaysia/U144/2012	KR073337	Vic-1A (VP-1)	KR073505	Vic-1A (VP-1)	Victoria	19-Mar-12	13	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13	B/Malaysia/U159/2012	KR073338	Vic-1A (VP-1)	KR073506	Vic-1A (VP-1)	Yamagata	21-Mar-12	2 weeks	33	Yes	Yes	Yes	Yes	Yes	Yes	Yes
14	B/Malaysia/U162/2012	KR073339	Vic-1A (VP-1)	KR073507	Vic-1A (VP-1)	Victoria	21-Mar-12	3 days	26	Yes	Yes	Yes	Yes	Yes	Yes	Yes
15	B/Malaysia/U166/2012	KR073340	Vic-1A (VP-2)	KR073508	Vic-1A (VP-2)	Victoria	21-Mar-12	2 days	32	Yes	Yes	Yes	Yes	Yes	Yes	Yes
16	B/Malaysia/U169/2012	KR073341	Yam-3 (Stockholm12)	KR073509	Yam-3 (Stockholm12)	Yamagata	23-Mar-12	2 days	45	Yes	Yes	Yes	Yes	Yes	Yes	Yes
17	B/Malaysia/U172/2012	KR073342	Vic-1A (VP-2)	KR073510	Vic-1A (VP-2)	Victoria	23-Mar-12	3 days	27	Yes	Yes	Yes	Yes	Yes	Yes	Yes
18	B/Malaysia/U182/2012	KR073343	Yam-3 (Stockholm12)	KR073511	Yam-3 (Stockholm12)	Yamagata	26-Mar-12	4 days	72	Yes	Yes	Yes	Yes	Yes	Yes	Yes
19	B/Malaysia/U185/2012	KR073344	Vic-1A (VP-1)	KR073512	Vic-1A (VP-1)	Victoria	26-Mar-12	4 days	34	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20	B/Malaysia/U188/2012	KR073345	Vic-1A (VP-2)	KR073513	Vic-1A (VP-2)	Victoria	26-Mar-12	4 days	26	Yes	Yes	Yes	Yes	Yes	Yes	Yes
21	B/Malaysia/U199/2012	KR073346	Vic-1A (VP-2)	KR073514	Vic-1A (VP-2)	Victoria	26-Mar-12	2 days	35	No	Yes	Yes	Yes	Yes	Yes	Yes
22	B/Malaysia/U210/2012	KR073347	Yam-3 (Stockholm12)	KR073515	Yam-3 (Stockholm12)	Yamagata	28-Mar-12	1 week	11	Yes	No	Yes	Yes	Yes	Yes	Yes
23	B/Malaysia/U227/2012	KR073348	Vic-1A (VP-2)	KR073516	Vic-1A (VP-2)	Victoria	31-Mar-12	4 days	24	Yes	Yes	Yes	Yes	Yes	Yes	Yes
24	B/Malaysia/U232/2012	KR073349	Vic-1A (VP-1)	KR073517	Vic-1A (VP-1)	Victoria	4-Apr-12	1 week	18	Yes	Yes	Yes	Yes	Yes	Yes	Yes
25	B/Malaysia/U255/2012	KR073350	Vic-1A (VP-1)	KR073518	Vic-1A (VP-1)	Victoria	6-Apr-12	4 days	19	Yes	Yes	Yes	Yes	Yes	Yes	Yes
26	B/Malaysia/U260/2012	KR073351	Vic-1A (VP-1)	KR073519	Vic-1A (VP-1)	Victoria	6-Apr-12	4 days	23	No	Yes	Yes	Yes	Yes	Yes	Yes
27	B/Malaysia/U287/2012	KR073352	Yam-3 (Wisconsin01)	KR073520	Yam-3 (Wisconsin01)	Yamagata	13-Apr-12	5 days	38	Yes	Yes	Yes	Yes	Yes	Yes	Yes
28	B/Malaysia/U342/2012	KR073353	Yam-3 (Stockholm12)	KR073521	Yam-3 (Stockholm12)	Yamagata	16-Apr-12	4 days	43	Yes	Yes	Yes	Yes	Yes	Yes	Yes
29	B/Malaysia/U346/2012	KR073354	Vic-1A (VP-1)	KR073522	Vic-1A (VP-1)	Victoria	20-Apr-12	1 week	54	Yes	Yes	Yes	Yes	Yes	Yes	Yes
30	B/Malaysia/U352/2012	KR073355	Vic-1A (VP-1)	KR073523	Vic-1A (VP-1)	Victoria	23-Apr-12	4 days	7	Yes	Yes	Yes	Yes	No	Yes	Yes
31	B/Malaysia/U355/2012	KR073356	Vic-1A (VP-2)	KR073524	Vic-1A (VP-2)	Victoria	23-Apr-12	2 days	14	Yes	Yes	Yes	Yes	Yes	Yes	Yes
32	B/Malaysia/U404/2012	KR073357	Vic-1A (VP-1)	KR073525	Vic-1A (VP-1)	Victoria	30-Apr-12	4 days	58	Yes	No	Yes	Yes	Yes	Yes	Yes
33	B/Malaysia/U428/2012	KR073358	Vic-1A (VP-1)	KR073526	Vic-1A (VP-1)	Victoria	2-May-12	5 days	17	Yes	Yes	Yes	Yes	Yes	Yes	Yes
34	B/Malaysia/U432/2012	KR073359	Yam-3 (Wisconsin01)	KR073527	Yam-3 (Wisconsin01)	Yamagata	4-May-12	5 days	57	Yes	Yes	Yes	Yes	Yes	Yes	Yes
35	B/Malaysia/U439/2012	KR073360	Vic-1A (VP-1)	KR073528	Vic-1A (VP-1)	Victoria	5-May-12	3 days	20	Yes	Yes	Yes	Yes	Yes	Yes	Yes
36	B/Malaysia/U440/2012	KR073361	Vic-1A (VP-1)	KR073529	Vic-1A (VP-1)	Victoria	4-May-12	2 days	20	Yes	Yes	Yes	Yes	Yes	Yes	Yes
37	B/Malaysia/U465/2012	KR073362	Vic-1A (VP-2)	KR073530	Vic-1A (VP-2)	Victoria	9-May-12	3 days	30	Yes	Yes	Yes	Yes	Yes	Yes	Yes
38	B/Malaysia/U488/2012	KR073363	Vic-1A (VP-1)	KR073531	Vic-1A (VP-1)	Victoria	11-May-12	1 week	37	Yes	Yes	Yes	Yes	No	Yes	Yes
39	B/Malaysia/U492/2012	KR073364	Vic-1A (VP-1)	KR073532	Vic-1A (VP-1)	Victoria	11-May-12	1 week	33	Yes	Yes	Yes	Yes	Yes	Yes	Yes
40	B/Malaysia/U579/2012	KR073365	Yam-3 (Wisconsin01)	KR073533	Yam-3 (Wisconsin01)	Yamagata	30-May-12	5 days	68	No	Yes	Yes	Yes	Yes	No	Yes
41	B/Malaysia/U699/2012	KR073366	Yam-3 (Wisconsin01)	KR073534	Yam-3 (Wisconsin01)	Yamagata	18-Jun-12	2 weeks	72	Yes	Yes	Yes	Yes	Yes	Yes	Yes
42	B/Malaysia/U819/2012	KR073367	Yam-3 (Wisconsin01)	KR073535	Yam-3 (Wisconsin01)	Yamagata	9-Jul-12	2 days	32	Yes	No	Yes	Yes	Yes	Yes	Yes
43	B/Malaysia/U817/2012	KR073368	Vic-1A (VP-2)	KR073536	Vic-1A (VP-2)	Victoria	11-Jul-12	1 week	29	Yes	No	Yes	Yes	Yes	Yes	Yes
44	B/Malaysia/U917/2012	KR073369	Vic-1A (VP-2)	KR073537	Vic-1A (VP-2)	Victoria	23-Jul-12	10 days	63	No	Yes	Yes	Yes	Yes	No	Yes
45	B/Malaysia/U951/2012	KR073370	Yam-3 (Wisconsin01)	KR073538	Yam-3 (Wisconsin01)	Yamagata	3-Aug-12	4 days	23	Yes	Yes	Yes	Yes	Yes	Yes	Yes
46	B/Malaysia/U960/2012	KR073371	Yam-3 (Wisconsin01)	KR073539	Yam-3 (Wisconsin01)	Yamagata	8-Aug-12	3 days	12	Yes	Yes	Yes	Yes	Yes	Yes	Yes
47	B/Malaysia/U963/2012	KR073372	Yam-2	KR073540	Yam-2	Yamagata	6-Aug-12	5 days	46	Yes	Yes	Yes	Yes	Yes	Yes	Yes
48	B/Malaysia/U1065/2012	KR073373	Yam-3 (Stockholm12)	KR073541	Yam-3 (Stockholm12)	Yamagata	29-Aug-12	2 days	13	Yes	Yes	Yes	Yes	Yes	Yes	Yes
49	B/Malaysia/U1154/2012	KR073374	Vic-1A (VP-1)	KR073542	Vic-1A (VP-1)	Victoria	12-Sep-12	3 days	49	No	Yes	No	Yes	No	Yes	Yes
50	B/Malaysia/U1250/2012	KR073375	Vic-1A (VP-1)	KR073543	Vic-1A (VP-1)	Victoria	15-Oct-12	5 days	24	Yes	Yes	Yes	Yes	Yes	Yes	Yes
51	B/Malaysia/U1264/2012	KR073376	Yam-3 (Wisconsin01)	KR073544	Yam-3 (Wisconsin01)	Yamagata	5-Oct-12	4 days	59	Yes	No	Yes	Yes	Yes	Yes	Yes
52	B/Malaysia/U1267/2012	KR073377	Vic-1A (VP-2)	KR073545	Vic-1A (VP-2)	Victoria	8-Oct-12	5 days	33	Yes	Yes	Yes	Yes	Yes	Yes	Yes
53	B/Malaysia/U1270/2012	KR073378	Yam-2	KR073546	Yam-2	Yamagata	8-Oct-12	3 days	57	Yes	Yes	Yes	Yes	Yes	No	Yes
54	B/Malaysia/U1277/2012	KR073379	Vic-1A (VP-2)	KR073547	Vic-1A (VP-2)	Victoria	8-Oct-12	1 week	71	No	No	Yes	Yes	No	Yes	Yes
55	B/Malaysia/U1331/2012	KR073380	Vic-1A (VP-2)	KR073548	Vic-1A (VP-2)	Victoria	17-Oct-12	1 day	58	Yes	No	Yes	Yes	Yes	Yes	Yes
56	B/Malaysia/U1338/2012	KR073381	Yam-3 (Wisconsin01)	KR073549	Yam-3 (Wisconsin01)	Yamagata	19-Oct-12	2 days	14	Yes	Yes	Yes	Yes	Yes	Yes	Yes
57	B/Malaysia/U1340/2012	KR073382	Vic-1A (VP-2)	KR073550	Vic-1A (VP-2)	Victoria	24-Nov-12	2 days	49	Yes	Yes	Yes	Yes	Yes	Yes	Yes
58	B/Malaysia/U1463/2012	KR073383	Yam-2	KR073551	Yam-2	Yamagata	14-Nov-12	2 days	64	No	Yes	No	No	No	No	Yes
59	B/Malaysia/U1531/2012	KR073384	Vic-1A (VP-1)	KR073552	Vic-1A (VP-1)	Victoria	23-Nov-12	1 week	31	Yes	Yes	Yes	Yes	No	No	Yes
60	B/Malaysia/U1573/2012	KR073385	Yam-2	KR073553	Yam-2	Yamagata	28-Nov-12	4 days	54	No	Yes	No	Yes	Yes	No	Yes
61	B/Malaysia/U1580/2012	KR073386	Yam-3 (Stockholm12)	KR073554	Yam-3 (Stockholm12)	Yamagata	3-Dec-12	3 days	63	Yes	Yes	Yes	Yes	Yes	Yes	Yes
62	B/Malaysia/U1593/2012	KR073387	Vic-1A (VP-2)	KR073555	Vic-1A (VP-2)	Victoria	3-Dec-12	2 days	23	Yes	Yes	Yes	Yes	Yes	Yes	Yes
63	B/Malaysia/U1710/2012	KR073388	Vic-1A (VP-2)	KR073556	Vic-1A (VP-2)	Victoria	26-Dec-12	2 days	15	Yes	No	Yes	No	Yes	No	No
64	B/Malaysia/U1725/2012	KR073389	Yam-2	KR073557	Yam-2	Yamagata	28-Dec-12	4 days	22	Yes	Yes	Yes	Yes	Yes	Yes	Yes
65	B/Malaysia/U1818/2012	KR073390	Vic-1A (VP-2)	KR073558	Vic-1A (VP-2)	Victoria	11-Jan-13	10 days	61	Yes	Yes	Yes	Yes	Yes	Yes	Yes
66	B/Malaysia/U1846/2013	KR073391	Vic-1A (VP-2)	KR073559	Vic-1A (VP-2)	Victoria	14-Jan-13	3 days	21	Yes	Yes	Yes	Yes	Yes	Yes	Yes
67	B/Malaysia/U1876/2013	KR073392	Vic-1A (VP-2)	KR073560	Vic-1A (VP-2)	Victoria	21-Jan-13	4 days	27	Yes	Yes	Yes	Yes	Yes	Yes	Yes
68	B/Malaysia/U1979/2013	KR073393	Yam-3 (Wisconsin01)	KR073561	Yam-3 (Wisconsin01)	Yamagata	31-Jan-13	4 days	59	Yes	Yes	Yes	Yes	Yes	Yes	Yes
69	B/Malaysia/U1981/2013	KR073394	Yam-2	KR073562	Yam-2	Yamagata	21-Jan-13	1 week	58	No	Yes	No	Yes	Yes	Yes	Yes
70	B/Malaysia/U1989/2013	KR073395	Vic-1A (VP-2)	KR073563	Vic-1A (VP-2)	Victoria	23-Jan-13	2 days	71	Yes	Yes	Yes	Yes	No	No	Yes
71	B/Malaysia/U1990/2013	KR073396	Vic-1A (VP-2)	KR073564	Vic-1A (VP-2)	Victoria	23-Jan-13	3 days	27	Yes	Yes	Yes	Yes			