

Supplementary Table 1.

Table 1. the accession number and genotype of sequences included for analysis

NS-EV71 group	First author	reference
AB213618-C2-983-Yamagata-99-1999-Japan	Mizuta K	J Clin Microbiol. 2005;43(12):6171-5
AB550334-B3-SK-EV006-org-1997-Malaysia	Miyamura K	J Gen Virol. 2011;92(Pt 2):287-9
AB550336-B4-C7/Osaka-org-1997-Japan	Miyamura K	J Gen Virol. 2011;92(Pt 2):287-9
AF009523-B2-7962-PA-87-1987-USA	Brown BA	J Virol. 1999;73(12):9969-75
AF009525-B2-1410-CA-86-1986-USA	Brown BA	J Virol. 1999;73(12):9969-75
AF009526-B2-8102-WA-87-1987-USA	Brown BA	J Virol. 1999;73(12):9969-75
AF009527-B2-1413-CA-87-1987-USA	Brown BA	J Virol. 1999;73(12):9969-75
AF009539-B2-2219-IA-87-1987-USA	Brown BA	J Virol. 1999;73(12):9969-75
AF009542-C1-2246-NY-87-1987-USA	Brown BA	J Virol. 1999;73(12):9969-75
AF009546-C1-2264-CA-94-1994-USA	Brown BA	J Virol. 1999;73(12):9969-75
AF009549-C1-0915-MA-87-1987-USA	Brown BA	J Virol. 1999;73(12):9969-75
AF135883-B1-2604-AUS-74-1974-Japan	Brown BA	J Virol. 1999;73(12):9969-75
AF135884-B1-2605-AUS-74-1974-AUS	Brown BA	J Virol. 1999;73(12):9969-75
AF135885-B1-2608-AUS-74-1974-AUS	Brown BA	J Virol. 1999;73(12):9969-75
AF135886-B1-2609-AUS-74-1974-AUS	Brown BA	J Virol. 1999;73(12):9969-75
AF135893-B2-4224-MA-82-1982-USA	Brown BA	J Virol. 1999;73(12):9969-75
AF135895-B2-4599-OR-83-1983-USA	Brown BA	J Virol. 1999;73(12):9969-75
AF135899-B-6658-COL-94-1994-USA	Brown BA	J Virol. 1999;73(12):9969-75
AF135938-C1-2261-CA-91-1991-USA	Brown BA	J Virol. 1999;73(12):9969-75
AF135940-C1-2263-CA-94-1994-USA	Brown BA	J Virol. 1999;73(12):9969-75
AF135948-C2-2642-AUS-95-1995-AUS	Brown BA	J Virol. 1999;73(12):9969-75
AF135950-C2-2814-MO-98-1998-USA	Brown BA	J Virol. 1999;73(12):9969-75
AF136379-C2-NCKU9822-1998-taiwan	Yan JJ	J Clin Virol. 2000;17(1):13-22
AF304458-C2-Tainan/4643/98-1998-taiwan	Yan JJ	J Med Virol. 2001;65(2):331-9
AF376065-B4-SB1647/SAR/00-2000-MAL	McMinn P	J Virol. 2001;75(16):7732-8
AF376105-B3-4F/AUS/4/99-1999-AUS	McMinn P	J Virol. 2001;75(16):7732-8
AF376106-C2-5M/AUS/5/99-1999-AUS	McMinn P	J Virol. 2001;75(16):7732-8
AF376109-C2-8M/AUS/6/99-1999-AUS	McMinn P	J Virol. 2001;75(16):7732-8
AF376110-C2-9F/AUS/6/99-1999-AUS	McMinn P	J Virol. 2001;75(16):7732-8
AF376111-B4-2027/SIN/01-2001-SIN	McMinn P	J Virol. 2001;75(16):7732-8
AF376116-B3-3526/SIN/98-1998-SIN	McMinn P	J Virol. 2001;75(16):7732-8
AF376125-B4-5769/SIN/00-2000-SIN	McMinn P	J Virol. 2001;75(16):7732-8
AY125969-C3-KOR-EV71-05-2000-KOR	Cardosa MJ	Emerg Infect Dis. 2003;9(4):461-8
AY125970-C3-KOR-EV71-06-2000-KOR	Cardosa MJ	Emerg Infect Dis. 2003;9(4):461-8
AY125971-C3-KOR-EV71-07-2000-KOR	Cardosa MJ	Emerg Infect Dis. 2003;9(4):461-8
AY125972-C3-KOR-EV71-08-2000-KOR	Cardosa MJ	Emerg Infect Dis. 2003;9(4):461-8
AY125976-C3-KOR-EV71-13-2000-KOR	Cardosa MJ	Emerg Infect Dis. 2003;9(4):461-8
AY207630-C1-0808-MAA-98-1998-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207639-B3-0245-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207642-B3-0899-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85

AY207643-B4-0898-MAA-97-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207646-B4-0414-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207648-B3-0903-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
DQ133458-C4-984-2004-taiwan	Li R	PLoS One. 2011;6(10):e26237.
DQ133459-C4-1235-2004-taiwan	Li R	PLoS One. 2011;6(10):e26237.
DQ341357-C2-7F/AUS/6/99-1999-AUS	Li R	PLoS One. 2011;6(10):e26237.
DQ341366-B4-SB2864/SAR/00-2000-MAL	Li R	PLoS One. 2011;6(10):e26237.
DQ341367-B3-MY821-3-SAR-97-1997-MAL	Li R	PLoS One. 2011;6(10):e26237.
ETU22521-A-Brccr-1974-USA	Li R	PLoS One. 2011;6(10):e26237.
ETU22522-B2-MS/7423/87-1987-USA	Li R	PLoS One. 2011;6(10):e26237.
EU364841-B3-26M/AUS/4/99-1999-Australia	Li R	PLoS One. 2011;6(10):e26237.
EU414333-C1-CSF-CH-06-2006-Switzerland	Cordey S	PLoS Pathog. 2012;8(7):e1002826.
EU753365-C4a-518-03F/SD/CHN/07-2007-China	Zhang Y	J Clin Virol. 2009;44(4):262-7
EU753369-C4a-521-04T/SD/CHN/07-2007-China	Zhang Y	J Clin Virol. 2009;44(4):262-7
EU753375-C4a-521-18S/SD/CHN/07-2007-China	Zhang Y	J Clin Virol. 2009;44(4):262-7
EU753397-C4a-523-05T/SD/CHN/07-2007-China	Zhang Y	J Clin Virol. 2009;44(4):262-7
EU753407-C4a-TC03F/SD/CHN/07-2007-China	Zhang Y	J Clin Virol. 2009;44(4):262-7
EU753409-C4a-TC08F/SD/CHN/07-2007-China	Zhang Y	J Clin Virol. 2009;44(4):262-7
GQ231925-B5-TW/1101/08-2008-taiwan	Chang SC	J Med Virol. 2012;84(6):931-9
GQ231926-C4-TW/1956/05-2005-taiwan	Chang SC	J Med Virol. 2012;84(6):931-9
GQ231928-C4-TW/2639/04-2004-taiwan	Chang SC	J Med Virol. 2012;84(6):931-9
GQ231929-C4-TW/2728/04-2004-taiwan	Chang SC	J Med Virol. 2012;84(6):931-9
GQ231937-C4-TW/71428/05-2005	Chang SC	J Med Virol. 2012;84(6):931-9
GQ231939-C4-TW/71595/04-2004	Chang SC	J Med Virol. 2012;84(6):931-9
GQ231941-B5-TW/96002/08-2008-taiwan	Chang SC	J Med Virol. 2012;84(6):931-9
GQ231942-B5-TW/96016/08-2008-taiwan	Chang SC	J Med Virol. 2012;84(6):931-9
GQ231943-B5-TW/96022/08-2008-taiwan	Chang SC	J Med Virol. 2012;84(6):931-9
GQ994988-C4-Anhui1-09-China-2009-China	Chang GH	Virus Res. 2010;151(1):66-73.
GQ994992-C4-Henan2-09-China-2009-China	Chang GH	Virus Res. 2010;151(1):66-73.
GU196833-C4-Henan1-09-China-2009-China	Chang GH	Virus Res. 2010;151(1):66-73.
HQ828086-C4-NBChina01-2010-China	Zhang YC	Pathol Int. 2012;62(8):565-70.
JN544418-C2-4643-TW98-1998-taiwan	Huang SW	Virology. 2012;422(1):132-43
JQ742001-C4b-AFP2001064/EV71/GX/CHN/2001-China		GenBank
JQ742002-C4b-AFP2001071/EV71/GX/CHN/2001-China		GenBank
JX244185-C4-SDLY96-2009-China	Wen HL	Virol J. 2013;10:115
JX244186-C4-SDLY107-2010-China	Wen HL	Virol J. 2013;10:115

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AB177815-B5-2542-Yamagata-03-2003-Japan	Mizuta K	J Clin Microbiol. 2005;43(12):6171-5
AB177816-B5-2716-Yamagata-03-2003-Japan	Mizuta K	J Clin Microbiol. 2005;43(12):6171-5
AB213638-C4-1530-Yamagata-03-2003-Japan	Mizuta K	J Clin Microbiol. 2005;43(12):6171-5
AB213647-B5-2419-Yamagata-03-2003-Japan	Mizuta K	J Clin Microbiol. 2005;43(12):6171-5
AB213648-B5-2933-Yamagata-03-2003-Japan	Mizuta K	J Clin Microbiol. 2005;43(12):6171-5
AB213649-B5-2934-Yamagata-03-2003-Japan	Mizuta K	J Clin Microbiol. 2005;43(12):6171-5

AB213650-B5-2972-Yamagata-03-2003-Japan	Mizuta K	J Clin Microbiol. 2005;43(12):6171-5
AB550332-C2-1095-org-1997-japan	Miyamura K	J Gen Virol. 2011;92(Pt 2):287-9
AB550338-C4-75-Yamagata-org-2003-japan	Miyamura K	J Gen Virol. 2011;92(Pt 2):287-9
AB550340-C1-KED005-org-1997-malaysia	Miyamura K	J Gen Virol. 2011;92(Pt 2):287-9
AF119796-C2-TW/2086/98-1998-taiwan	Shih SR	Virus Res. 2000;68(2):127-36.
AF304457-C2-Tainan/5746/98-1998-Taiwan	Yan JJ	J Med Virol. 2001;65(2):331-9
AF304459-C2-Tainan/6092/98-1998-taiwan	Yan JJ	J Med Virol. 2001;65(2):331-9
AF352027-B4-Enterovirus_5666/sin/002209-2000-SIN	Singh S	Microbiol Immunol. 2002;46(11):801-8
AF376070-B4-CN0942/SAR/00-2000-MAL	McMinn P	J Virol. 2001;75(16):7732-8
AF376071-B4-CN9502/SAR/00-2000-MAL	McMinn P	J Virol. 2001;75(16):7732-8
AF376078-B3-MY860-3/SAR/97-1997-MAL	McMinn P	J Virol. 2001;75(16):7732-8
AF376079-C1-S10822/SAR/98-1998-MAL	McMinn P	J Virol. 2001;75(16):7732-8
AF376081-C1-S11051/SAR/98-1998-MAL	McMinn P	J Virol. 2001;75(16):7732-8
AF376084-B4-S21082/SAR/00-2000-MAL	McMinn P	J Virol. 2001;75(16):7732-8
AF376088-B3-10M/AUS/6/99-1999-AUS	McMinn P	J Virol. 2001;75(16):7732-8
AF376120-C1-4575/SIN/98-1998-SIN	McMinn P	J Virol. 2001;75(16):7732-8
AF376122-B4-5536/SIN/00-2000-SIN	McMinn P	J Virol. 2001;75(16):7732-8
AM396584-C2-ENT/PM/SHA52-1997-MAL	Chan YF	BMC Microbiol.2006;6:74.
AM396585-C2-ENT/PM/SHA71-1997-MAL	Chan YF	BMC Microbiol.2006;6:74.
AM396586-B3-EV71/SAR/SHA66-1997-MAL	Chan YF	BMC Microbiol.2006;6:74.
AM396588-B3-EV71/SAR/SHA63-1997-MAL	Chan YF	BMC Microbiol.2006;6:74.
AY125966-C3-KOR-EV71-01-2000-KOR	Cardosa MJ	Emerg Infect Dis. 2003;9(4):461-8
AY125967-C3-KOR-EV71-02-2000-KOR	Cardosa MJ	Emerg Infect Dis. 2003;9(4):461-8
AY125968-C3-KOR-EV71-3-2000-KOR	Cardosa MJ	Emerg Infect Dis. 2003;9(4):461-8
AY125973-C3-KOR-EV71-09-2000-KOR	Cardosa MJ	Emerg Infect Dis. 2003;9(4):461-8
AY125974-C3-KOR-EV71-10-2000-KOR	Cardosa MJ	Emerg Infect Dis. 2003;9(4):461-8
AY125975-C3-KOR-EV71-11-2000-KOR	Cardosa MJ	Emerg Infect Dis. 2003;9(4):461-8
AY207611-C2-03907-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207612-C1-03784-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207613-B4-03300-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207614-B3-0870-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207615-C2-03750-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207616-B3-0473-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207617-B4-0778-MAA-00-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207618-C1-0807-MAA-00-2000-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207619-C1-0836-MAA-00-2000-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207620-C1-0915-MAA-00-2000-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207621-C1-0937-MAA-00-2000-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207622-C1-0948-MAA-00-2000-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207623-B4-0042-MAA-00-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207624-B4-0066-MAA-00-2000-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207625-C1-0113-MAA-00-2000-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207626-C1-0431-MAA-00-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207627-B4-0467-MAA-00-2000-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85

AY207628-B4-03907-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207629-C1-0838-MAA-99-1999-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207631-C1-0557-MAA-98-1998-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207632-C1-0832-MAA-00-2000-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207633-B5-0815-MAA-00-2000-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207634-C1-0774-MAA-00-2000-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207635-C1-05716-MAA-00-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207636-B3-04716-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207637-B4-0343-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207638-C1-0283-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207640-B4-0175-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207641-B3-0036-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207644-B3-0897-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207645-B3-0884-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207647-B4-0128-MAA-97-1997-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
AY207650-B4-0919-MAA-99-1999-MAL	Herrero LJ	Arch Virol. 2003;148(7):1369-85
DQ341354-B3-3799/SIN/98-1998-SIN	McMinn P	J Virol. 2001;75(16):7732-8
DQ341358-C1-S40221/SAR/00-2000-MAL	McMinn P	J Virol. 2001;75(16):7732-8
DQ341359-C1-S10862/SAR/98-1998-MAL	McMinn P	J Virol. 2001;75(16):7732-8
DQ341361-C1-1M/AUS/12/00-2000-AUS	McMinn P	J Virol. 2001;75(16):7732-8
DQ341364-B5-5511/SIN/00-2000-SIN	McMinn P	J Virol. 2001;75(16):7732-8
DQ452074-C1-804/NO/03-healthy_child-2003-Norway	McMinn P	J Virol. 2001;75(16):7732-8
EU753366-C4a-519-02F/SD/CHN/07-2007-China	Zhang Y	J Clin Virol. 2009;44(4):262-7
EU753372-C4a-522-04T/SD/CHN/07-2007-China	Zhang Y	J Clin Virol. 2009;44(4):262-7
EU753378-C4a-521-23F/SD/CHN/07-2007-China	Zhang Y	J Clin Virol. 2009;44(4):262-7
EU753379-C4a-521-25F/SD/CHN/07-2007-China	Zhang Y	J Clin Virol. 2009;44(4):262-7
EU753384-C4a-522-04T/SD/CHN/07-2007-China	Zhang Y	J Clin Virol. 2009;44(4):262-7
EU753398-C4a-523-07T/SD/CHN/07-2007-China	Zhang Y	J Clin Virol. 2009;44(4):262-7
EU753417-C4a-TC23F/SD/CHN/07-2007-China	Zhang Y	J Clin Virol. 2009;44(4):262-7
EU812515-C4-FY23-2008-China	Wang LC	Virol Sin. 2010;25(2):98-106
FJ439769-C4-Fuyang-0805-2008-China	Wu Z	J Virol Methods. 2009;159(2):233-8
FJ606447-C4-BJ08-Z004-3-2008-China	Ding NZ	Virus Res. 2009;145(1):157-61.
FJ606448-C4-BJ08-Z011-4-2008-China	Ding NZ	Virus Res. 2009;145(1):157-61.
FJ607334-C4-1/SHENZHEN/08/China/HFMD/2008-China	Yu Z	Arch Virol. 2013;158(5):1071-7
FJ607335-C4-4/SHENZHEN/08/China/HFMD/2008-China		Genbank
FJ607336-C4-28/SHENZHEN/08/China/HFMD/2008-China		Genbank
FJ828519-C4-BJ08-2008-China	Mao Q	PLoS One. 2012;7(9):e46043
GQ121418-C4a-EV71/Fuyang.Anhui.P.R.C/17.08/5-2008-China	Zhang Y	Virol J. 2010;7:94.
GQ231927-C4-TW/2429/04-2004-taiwan	Chang SC	J Med Virol. 2012;84(6):931-9
GQ231930-C4-TW/2815/04-2004-taiwan	Chang SC	J Med Virol. 2012;84(6):931-9
GQ231931-C4-TW/2824/04-2004-taiwan	Chang SC	J Med Virol. 2012;84(6):931-9
GQ231932-C4-TW/2871/04-2004-taiwan	Chang SC	J Med Virol. 2012;84(6):931-9
GQ231933-C4-TW/70516/08-2008-taiwan	Chang SC	J Med Virol. 2012;84(6):931-9
GQ231935-B5-TW/70886/08-2008-taiwan	Chang SC	J Med Virol. 2012;84(6):931-9

GQ231936-B5-TW/70902/08-2008-taiwan	Chang SC	J Med Virol. 2012;84(6):931-9
GQ231940-C4-TW/72232/04-2004-taiwan	Chang SC	J Med Virol. 2012;84(6):931-9
GQ994989-C4-Chongqing1-09-China-2009-China	Chang GH	Virus Res. 2010;151(1):66-73.
GQ994990-C4-Chongqing2-09-China-2009-China	Chang GH	Virus Res. 2010;151(1):66-73.
GQ994991-C4-Chongqing3-09-China-2009-China	Chang GH	Virus Res. 2010;151(1):66-73.
HM037793-C4-GD08-EV71-039-2008-China	Sun LM	Jpn J Infect Dis. 2011;64(1):13-8
HM037797-C4-GD08-EV71-194-2008-China	Sun LM	Jpn J Infect Dis. 2011;64(1):13-8
HM037798-C4-GD08-EV71-274-2008-China	Sun LM	Jpn J Infect Dis. 2011;64(1):13-8
HM037799-C4-GD08-EV71-274-2008-China	Sun LM	Jpn J Infect Dis. 2011;64(1):13-8
HM037802-C4-GD08-EV71-495-2008-China	Sun LM	Jpn J Infect Dis. 2011;64(1):13-8
HM037806-C4-GD08-EV71-614-2008-China	Sun LM	Jpn J Infect Dis. 2011;64(1):13-8
HQ129932-C4-BJ06-SJS06-healthy_child-2006-China	Li R	PLoS One. 2011;6(10):e26237.
HQ882182-C4-FY0805-2008-China	Liu J	Virol J. 2011 Oct 27;8:483.
JX025561-C4-FY7VP5/AH/CHN/2008-China		Genbank
JX244182-C4-SDLY1-2008-China	Wen HL	Virol J. 2013;10:115
JX244183-C4-SDLY11-2008-China	Wen HL	Virol J. 2013;10:115
JX244184-C4-SDLY48-2008-China	Wen HL	Virol J. 2013;10:115

Supplementary Table 2

Table 2. Genotype and subgenotype distribution of EV71 strains from different countries

Country	NS or nNS	A	B					C			
			B1	B2	B3	B4	B5	C1	C2	C3	C4
Malaysia	NS				5	4		1			
	nNS				9	13	1	19	4		
Austria	NS		4		2				5		
	nNS				1			1			
Singapore	NS				1	2					
	nNS				1	2	1	1			
USA	NS	1		8				5	1		
Taiwan	NS						4		3		7
	nNS						2		3		6
Japan	NS					1		1			
	nNS						6	1			2
China	NS										14
	nNS										31
Korea	NS									5	
	nNS									6	
Switzerland	NS							1			
Norway	nNS							1			

Note: AF135899 strain is not included because it belongs to none of the subgenotypes.

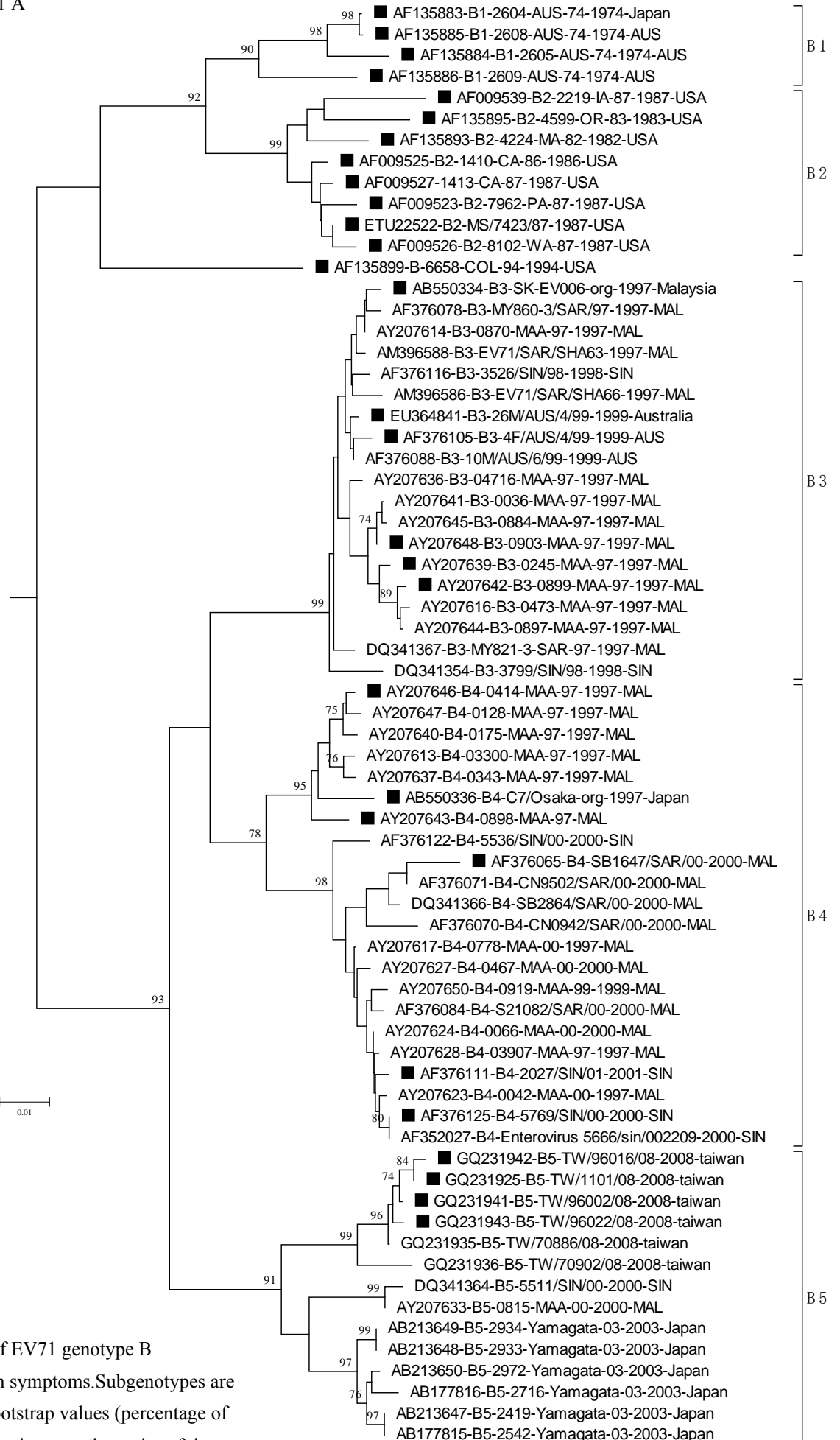


Fig.1A phylogenetic tree of EV71 genotype B
 ■ NS, with nervous system symptoms. Subgenotypes are shown on the right, and bootstrap values (percentage of 1,000 pseudoreplicates) are shown at the nodes of the major clades.

Supplementary Fig.1 B



Fig.1B phylogenetic tree of EV71 genotype C

■ NS, with nervous system symptoms. Subgenotypes are shown on the right, and bootstrap values (percentage of 1,000 pseudoreplicates) are shown at the nodes of the major clades.