Evolutionary analysis of rubella viruses in mainland China during 2010-2012: endemic circulation of genotype 1E and introductions of genotype 2B

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Supplementary Table1: List of rubella virus sequences used for the analysis. A. information about the sequences used in datasets 1 to 3 (1E dataset). B. information about the sequences used in datasets 4 to 6 (2B dataset).

Supplementary Table 1A.

Strain	Province	Region	Country of collection	Known exporting country	Year	Genotype	Cluster	Dataset 1	Dataset 2	739nt dataset-ID	739-nt dataset Reference	E1 dataset-ID	E1 dataset Reference
RVi/New Jersey.USA/0.61VAC			United States of America		1961	1a			yes	M30776	(1)	M30776	(1)
RVi/Brussels.BEL/0.63VAC			United States of America		1963	1a			yes	AF188704	(2)	AF188704	(2)
RVi/Pennsylvania.USA/0.64VAC			United States of America		1964	1a			yes	JF727653	/	JF727653	/
RVi/Toyama/JPN/0.67			Japan		1967	1a			yes	AB047330	(3)	AB047330	(3)
RVi/Jerusalem.ISR/0.75			Israel		1975	1B			yes	AY968207	(4)	AY968207	(4)
RVi/BeneBerak.ISR/0.79			Israel		1979	1B			yes	AY968208	(4)	AY968208	(4)
RVi/Tiberias.ISR/0.88			Israel		1988	1B			yes	AY968209	(4)	AY968209	(4)
RVI/Panama city.PAN/0.99			Panama		1999	1C			yes	AY968217	(4)	AY968217	(4)
RVI/Tokyo.JPN/0.90CRS			Japan		1990	1D			yes	AY968214	(4)	AY968214	(4)
RVi/Saitama.JPN/0.94			Japan		1994	1D			yes	AY968216	(4)	AY968216	(4)
RVs/Caen.FRA/23.95			France		1995	1E		yes	yes	FN546967	(5)		
RVs/Lyon.FRA/38.97CRS			France		1997	1E		yes	yes	FN546973	(5)		
RVi/CAS/FL/USA/0.97			United States of America		1997	1E		yes	yes	AY326356	(6)		
RVi/Springfield.MA.USA/49.98			United States of America	Ukraine	1998	1E		yes	yes	JN635287	(7)	JN635287	(7)
RVi/Shandong.CHN/20.01	Shandong	Huadong	China		2001	1E	B	yes	yes	FJ875029	(8)	KJ683938	This report
RVi/Shucheng.Anhui.CHN/25.01/1	Anhui	Huadong	China		2001	1E	B	yes	yes	FJ875036	(8)		
RVi/Shucheng.Anhui.CHN/25.01/2	Anhui	Huadong	China		2001	1E		yes	yes	FJ875037	(8)	KJ683939	This report
RVi/Xingyang.Henan.CHN/42.01/1	Henan	Zhongnan	China		2001	1E	B	yes	yes	FJ875044	(8)	KJ683940	This report
RVi/Kuala Lumpur.MYS/0.01			Malaysia		2001	1E		yes	yes	AY968221	(4)		
RVi/Shandong.CHN/0.02	Shandong	Huadong	China		2002	1E	A	yes	yes	AY968210	(4)	AY968210	(4)
RVs/Marseille.FRA/31.02			France		2002	1E		yes	yes	FN547011	(5)		
RVi/Jiangbei.Chongqing.CHN/27.03/1	Chongqing	Xinan	China		2003	1E	B	yes	yes	FJ875049	(8)	KJ683941	This report
RVi/Jiangbei.Chongqing.CHN/27.03/2	Chongqing	Xinan	China		2003	1E	B	yes	yes	KJ683942	This report	KJ683942	This report
RVs/TUN/7.03			Tunisia		2003	1E		yes	yes	FN547014	(5)		
RVi/Minsk.BLR/24.04/1			Belarus		2004	1E	A	yes	yes	AM258954	(9)	AM258954	(9)
RVi/Jinzhong.Shanxi.CHN/22.04/1	Shanxi	Huabei	China		2004	1E	A	yes	yes	FJ875054	(8)	KJ683943	This report
RVi/Minsk.BLR/18.05/2			Belarus		2005	1E		yes	yes	AM258955	(9)		
RVi/Minsk.BLR/28.05/1			Belarus		2005	1E		yes	yes	AM258957	(9)	AM258957	(9)
RVi/Baoding.Hebei.CHN/11.05	Hebei	Huabei	China		2005	1E	A	yes	yes	FJ875055	(8)		
RVi/Yubei.Chongqing.CHN/25.05/1	Chongqing	Xinan	China		2005	1E	B	yes	yes	FJ875051	(8)	KJ683944	This report
RVi/Deweim.SDN/24.05CRS			Sudan		2005	1E		yes	yes	FJ775000	(8)		
RVi/Jinan.Shandong.CHN/10.06	Shandong	Huadong	China		2006	1E	A	yes	yes	FJ875033	(8)		
RVi/Yinchuan.Ningxia.CHN/14.06/1	Ningxia	Xibei	China		2006	1E	A	yes	yes	FJ875061	(8)	KJ683946	This report
RVi/Yudu.Jiangxi.CHN/15.06/1	Jiangxi	Huadong	China		2006	1E	B	yes	yes	FJ875056	(8)	KJ683947	This report
RVi/Changsha.Hunan.CHN/19.06	Hunan	Zhongnan	China		2006	1E	B	yes	yes	FJ875062	(8)	KJ683948	This report
RVi/Pudong.Shanghai.CHN/32.06	Shanghai	Huadong	China		2006	1E	A	yes	yes	KJ684010	This report		
RVi/Xuchang.Henan.CHN/12.06/1	Henan	Zhongnan	China		2006	1E	A	yes	yes	FJ875047	(8)	KJ683945	This report
Rvi/Almaty.KAZ/13.06			Kazakhstan		2006	1E		yes	yes	FJ711684			
Rvi/Moscow.RUS/03.06			Russia		2006	1E	B	yes	yes	FJ711682			

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RVi/Baoshan.Shanghai.CHN/10.07	Shanghai	Huadong	China		2007	1E	A	yes	yes	KJ684011	This report		
RVi/Shunyi.Beijing.CHN/10.07	Beijing	Huabei	China		2007	1E	B	yes	yes	JQ979490	(10)		
RVi/Beibei.Chongqing.CHN/13.07/1	Chongqing	Xinan	China		2007	1E	B	yes	yes	KJ684012	This report		
RVi/Qijiang.Chongqing.CHN/13.07/1	Chongqing	Xinan	China		2007	1E	B	yes	yes	KJ684013	This report		
RVi/Shenyang.Liaoning.CHN/14.07/1	Liaoning	Dongbei	China		2007	1E	B	yes	yes	FJ875070	(8)		
RVi/Liangshan.Sichuan.CHN/15.07/1	Sichuan	Xinan	China		2007	1E	B	yes	yes	FJ875059	(8)		
RVi/Zhengzhou.Henan.CHN/15.07/1	Henan	Zhongnan	China		2007	1E	A	yes	yes	FJ875048	(8)	KJ683949	This report
RVi/Hainan.CHN/16.07/1	Hainan	Zhongnan	China		2007	1E		yes	yes	FJ875065	(8)	KJ683950	This report
RVi/Hainan.CHN/16.07/2	Hainan	Zhongnan	China		2007	1E	B	yes	yes	FJ875066	(8)		
RVi/Huzhu.Qinghai.CHN/16.07/1	Qinghai	Xibei	China		2007	1E	A	yes	yes	FJ875063	(8)	KJ683951	This report
RVi/Huzhu.Qinghai.CHN/16.07/5	Qinghai	Xibei	China		2007	1E	A	yes	yes	FJ875064	(8)	KJ683952	This report
RVi/Anhui.CHN/20.07	Anhui	Huadong	China		2007	1E	A	yes	yes	FJ875042	(8)		
RVi/Xicheng.Beijing.CHN/21.07	Beijing	Huabei	China		2007	1E	A	yes	yes	JQ979499	(10)		
RVi/Liangshan.Sichuan.CHN/18.07/2	Sichuan	Xinan	China		2007	1E	A	yes	yes	FJ875058	(8)	KJ683953	This report
RVs/Taipei.TWN/22.07/2			Taiwan		2007	1E	B	yes	yes	JQ858313	(11)		
RVi/Changping.Beijing.CHN/3.08	Beijing	Huabei	China		2008	1E	A	yes	yes	JQ979502	(10)		
RVi/Jingdezhen.Jiangxi.CHN/7.08/1	Jiangxi	Huadong	China		2008	1E	A	yes	yes	JF702854	(12)		
RVi/Jian.Jiangxi.CHN/10.08/4	Jiangxi	Huadong	China		2008	1E	A	yes	yes	JF702855	(12)		
RVi/Shenyang.Liaoning.CHN/12.08/2	Liaoning	Dongbei	China		2008	1E	A	yes	yes	JF702860	(12)		
RVi/Anqing.Anhui.CHN/14.08/2	Anhui	Huadong	China		2008	1E	A	yes	yes	JF702845	(12)		
RVi/Changchun.Jilin.CHN/14.08/1	Jilin	Dongbei	China		2008	1E	A	yes	yes	JF702853	(12)		
RVi/Qingdao.Shandong.CHN/14.08	Shandong	Huadong	China		2008	1E	A	yes	yes	JF702867	(12)	KJ683957	This report
RVi/Haidian.Beijing.CHN/15.08/2	Beijing	Huabei	China		2008	1E	A	yes	yes	JQ979515	(10)		
RVi/Qingdao.Shandong.CHN/16.08	Shandong	Huadong	China		2008	1E	A	yes	yes	JF702868	(12)		
RVi/Zhengzhou.Henan.CHN/16.08	Henan	Zhongnan	China		2008	1E	A	yes	yes	JF702850	(12)		
RVi/Pinggu.Beijing.CHN/17.08/1	Beijing	Huabei	China		2008	1E	B	yes	yes	JQ979517	(10)		
RVi/Zhengzhou.Henan.CHN/17.08/1	Henan	Zhongnan	China		2008	1E	A	yes	yes	JF702851	(12)		
RVi/Deyang.Sichuan.CHN/20.08/1	Sichuan	Xinan	China		2008	1E	A	yes	yes	JF702869	(12)		
RVi/Huhehaote.Neimeng.CHN/50.08/3	Neimeng	Huabei	China		2008	1E	A	yes	yes	JF702864	(12)		
RVi/Changping.Beijing.CHN/4.08	Beijing	Huabei	China		2008	1E	A	yes	yes	JQ979504	(10)	KJ683954	This report
RVi/Fengtai.Beijing.CHN/6.08	Beijing	Huabei	China		2008	1E	A	yes	yes	JQ979511	(10)	KJ683955	This report
RVi/Jinzhou.Liaoning.CHN/13.08/1	Liaoning	Dongbei	China		2008	1E	B	yes	yes	JF702861	(12)	KJ683956	This report
RVi/Fangshan.Beijing.CHN/17.08	Beijing	Huabei	China		2008	1E	A	yes	yes	JQ979513	(10)	KJ683958	This report
RVi/Wanlong.Hainan.CHN/2.08	Hainan	Zhongnan	China		2008	1E		yes	yes	JF702871	(12)		
Rvs/Tambov.RUS/12.08			Russia		2008	1E		yes	yes	FJ711680			
RVs/Taipei.TWN/12.08/1			Taiwan		2008	1E		yes	yes	JQ858298	(11)		
RVs/Jhanghua.TWN/15.08/2			Taiwan		2008	1E		yes	yes	JQ858306	(11)		
RVi/Pullman.WA.USA/30.08			United States of America	China	2008	1E	A	yes	yes	JN635288	(7)	JN635288	
RVi/BarHarbor.ME.USA/43.08			United States of America		2008	1E		yes	yes	JN635286	(7)	JN635286	

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RVi/Feidong.Anhui.CHN/10.09/3	Anhui	Huadong	China		2009	1E	B	yes	yes	JF702819	(12)		
RVi/Dongcheng.Beijing.CHN/12.09/2	Beijing	Huabei	China		2009	1E	A	yes	yes	JQ979522	(10)		
RVi/Henan.CHN/13.09/1	Henan	Zhongnan	China		2009	1E	A	yes	yes	JF702831	(12)	KJ683959	This report
RVi/Hengyang.Hunan.CHN/13.09/1	Hunan	Zhongnan	China		2009	1E	A	yes	yes	KJ684014	This report		
RVi/Jining.Shandong.CHN/14.09/1	Shandong	Huadong	China		2009	1E	A	yes	yes	JF702840	(12)		
RVi/Ningxia.CHN/14.09/1	Ningxia	Xibei	China		2009	1E	A	yes	yes	JF702833	(12)		
RVi/Shanxi.CHN/14.09	Shanxi	Huabei	China		2009	1E	A	yes	yes	JF702841	(12)		
RVi/Dingxi.Gansu.CHN/15.09/1	Gansu	Xibei	China		2009	1E	A	yes	yes	JF702828	(12)		
RVi/Changsha.Hunan.CHN/17.09	Hunan	Zhongnan	China		2009	1E	A	yes	yes	KJ684015	This report		
RVi/Huangshan.Anhui.CHN/17.09/1	Anhui	Huadong	China		2009	1E	A	yes	yes	JF702825	(12)	KJ683961	This report
RVi/Ningde.Fujian.CHN/19.09	Fujian	Huadong	China		2009	1E	A	yes	yes	JF702826	(12)	KJ683962	This report
RVi/Tianjin.CHN/20.09/1	Tianjin	Huabei	China		2009	1E	A	yes	yes	JF702842	(12)		
RVi/Changfeng.Anhui.CHN/15.09	Anhui	Huadong	China		2009	1E	B	yes	yes	JF702822	(12)	KJ683960	This report
RVi/Pingliang.Gansu.CHN/11.10	Gansu	Xibei	China		2010	1E	A	yes	yes	KJ683964	This report	KJ683964	This report
RVi/Shijingshan.Beijing.CHN/11.10	Beijing	Huabei	China		2010	1E	A	yes	yes	JQ979524	(10)		
RVi/Shenyang.Liaoning.CHN/12.10/1	Liaoning	Dongbei	China		2010	1E	A	yes	yes	KJ684016	This report		
RVi/Miyun.Beijing.CHN/14.10/2	Beijing	Huabei	China		2010	1E	A	yes	yes	JQ979524	(10)		
RVi/Xuhui.Shanghai.CHN/16.10/2	Shanghai	Huadong	China		2010	1E	A	yes	yes	KJ684017	This report		
RVi/Baiyin.Gansu.CHN/17.10	Gansu	Xibei	China		2010	1E	A	yes	yes	KJ684018	This report		
RVi/Guyan.Ningxia.CHN/17.10/1	Ningxia	Xibei	China		2010	1E	A	yes	yes	KJ684019	This report		
RVi/Shizuishan.Ningxia.CHN/17.10/1	Ningxia	Xibei	China		2010	1E	A	yes	yes	KJ683966	This report	KJ683966	This report
RVi/Zhongshan.Guangdong.CHN/18.10/1	Guangdong	Zhongnan	China		2010	1E	A	yes	yes	KJ684020	This report		
RVi/Baiyin.Gansu.CHN/19.10	Gansu	Xibei	China		2010	1E	A	yes	yes	KJ684021	This report		
RVi/Huangshan.Anhui.CHN/19.10/2	Anhui	Huadong	China		2010	1E	A	yes	yes	KJ684022	This report		
RVi/Chengdu.Sichuan.CHN/20.10	Sichuan	Xinan	China		2010	1E	A	yes	yes	KJ683969	This report	KJ683969	This report
RVi/Jiangxi.CHN/22.10/1	Jiangxi	Huadong	China		2010	1E	A	yes	yes	KJ683970	This report	KJ683970	This report
RVi/Qinghai.CHN/22.10	Qinghai	Xibei	China		2010	1E	A	yes	yes	KJ684023	This report		
RVi/Chengdu.Sichuan.CHN/24.10	Sichuan	Xinan	China		2010	1E	A	yes	yes	KJ684024	This report		
RVi/Guigang.Guangxi.CHN/27.10	Guangxi	Zhongnan	China		2010	1E	A	yes	yes	KJ684025	This report		
RVi/Nanning.Guangxi.CHN/34.10	Guangxi	Zhongnan	China		2010	1E	A	yes	yes	KJ683971	This report	KJ683971	This report
RVi/Chengdu.Sichuan.CHN/8.10/1	Sichuan	Xinan	China		2010	1E	A	yes	yes	KJ683963	This report	KJ683963	This report
RVi/Pudong.Shanghai.CHN/16.10/1	Shanghai	Huadong	China		2010	1E	A	yes	yes	KJ683965	This report	KJ683965	This report
RVi/Wuhu.Anhui.CHN/17.10/1	Anhui	Huadong	China		2010	1E	A	yes	yes	KJ683967	This report	KJ683967	This report
RVi/Dingxi.Gansu.CHN/19.10	Gansu	Xibei	China		2010	1E	A	yes	yes	KJ683968	This report	KJ683968	This report
RVi/Toyama.JPN/31.10			Japan		2010	1E	A	yes	yes	AB646368			
RVi/Taipei.TWN/21.10/1			Taiwan	China	2010	1E	A	yes	yes	JQ858319	(11)		
RVi/Zhejiang.CHN/11.11/1	Zhejiang	Huadong	China		2011	1E	A	yes	yes	KJ683972	This report	KJ683972	This report
RVi/Cangzhou.Hebei.CHN/13.11	Hebei	Huabei	China		2011	1E	A	yes	yes	KJ684026	This report		
RVi/Deyang.Sichuan.CHN/13.11/1	Sichuan	Xinan	China		2011	1E	A	yes	yes	KJ684027	This report		
RVi/Shenyang.Liaoning.CHN/13.11/3	Liaoning	Dongbei	China		2011	1E	A	yes	yes	KJ684028	This report		

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RVi/Dongcheng.Beijing.CHN/14.11	Beijing	Huabei	China		2011	1E	A	yes	yes	JQ979550	(10)		
RVi/Shizuishan.Ningxia.CHN/14.11/1	Ningxia	Xibei	China		2011	1E	A	yes	yes	KJ684029	This report		
RVi/Haerbing.Heilongjiang.CHN/16.11/1	Heilongjiang	Dongbei	China		2011	1E	A	yes	yes	KJ684030	This report		
RVi/Hengyang.Hunan.CHN/16.11/1	Hunan	Zhongnan	China		2011	1E	A	yes	yes	KJ684031	This report		
RVi/Huining.Gansu.CHN/16.11/4	Gansu	Xibei	China		2011	1E	A	yes	yes	KJ684032	This report		
RVi/Nanlin.Anhui.CHN/16.11/2	Anhui	Huadong	China		2011	1E	A	yes	yes	KJ684033	This report		
RVi/Nanlin.Anhui.CHN/17.11/1	Anhui	Huadong	China		2011	1E	A	yes	yes	KJ684034	This report		
RVi/Baodi.Tianjin.CHN/18.11/6	Tianjin	Huabei	China		2011	1E	A	yes	yes	KJ684035	This report		
RVi/Changshou.Chongqing.CHN/22.11/3	Chongqing	Xinan	China		2011	1E	A	yes	yes	KJ684036	This report		
RVi/Chifeng.Neimeng.CHN/23.11	Neimeng	Huabei	China		2011	1E	A	yes	yes	KJ683976	This report	KJ683976	This report
RVi/Shanwei.Guangdong.CHN/23.11/1	Guangdong	Zhongnan	China		2011	1E	A	yes	yes	KJ683977	This report	KJ683977	This report
RVi/Taiyuan.Shanxi.CHN/26.11	Shanxi	Huabei	China		2011	1E	A	yes	yes	KJ684037	This report		
RVi/Nanjing.Jiangsu.CHN/29.11	Jiangsu	Huadong	China		2011	1E	A	yes	yes	KJ684038	This report		
RVi/Miyun.Beijing.CHN/14.11/2	Beijing	Huabei	China		2011	1E	A	yes	yes	JQ979545	(10)	KJ683973	This report
RVi/Zhongshan.Guangdong.CHN/15.11/4	Guangdong	Zhongnan	China		2011	1E	A	yes	yes	KJ683974	This report	KJ683974	This report
RVi/Haerbin.Heilongjiang.CHN/21.11/3	Heilongjiang	Dongbei	China		2011	1E	A	yes	yes	KJ683975	This report	KJ683975	This report
RVi/Fengjie.Chongqing.CHN/25.11/1	Chongqing	Xinan	China		2011	1E	A	yes	yes	KJ683978	This report	KJ683978	This report
RVi/Jiangjin.Chongqing.CHN/25.11/1	Chongqing	Xinan	China		2011	1E	A	yes	yes	KJ683979	This report	KJ683979	This report
RVi/Chengdu.Sichuan.CHN/28.11	Sichuan	Xinan	China		2011	1E	A	yes	yes	KJ683980	This report	KJ683980	This report
RVi/Hokkaido.JPN/20.11/1			Japan		2011	1E	A	yes	yes	AB683468			
RVs/St.Petersburg.RUS/12.11			Russia		2011	1E	A	yes	yes	JX171315			
RVi/Taipei.TWN/16.11/1			Taiwan	China	2011	1E	A	yes	yes	JQ858332	(11)		
RVi/Arua.UGA/36.11			Uganda		2011	1E		yes	yes	KC884241			
RVi/Hendersonville.NC.USA/15.11			United States of America	Indonesia	2011	1E		yes	yes	JX477651			
RVi/Shangqiu.Henan.CHN/6.12	Henan	Zhongnan	China		2012	1E	A	yes	yes	KJ684039	This report		
RVi/Shizuishan.Ningxia.CHN/6.12/1	Ningxia	Xibei	China		2012	1E	A	yes	yes	KJ683981	This report	KJ683981	This report
RVi/Bishan.Chongqing.CHN/12.12	Chongqing	Xinan	China		2012	1E	A	yes	yes	KJ684040	This report		
RVi/Dongguan.Guangdong.CHN/12.12	Guangdong	Zhongnan	China		2012	1E	A	yes	yes	KJ683982	This report	KJ683982	This report
RVi/Jinshan.Shanghai.CHN/12.12	Shanghai	Huadong	China		2012	1E	A	yes	yes	KJ684041	This report		
RVi/Wuxi.Jiangsu.CHN/12.12/2	Jiangsu	Huadong	China		2012	1E	A	yes	yes	KJ683983	This report	KJ683983	This report
RVi/Bijie.Guizhou.CHN/15.12/1	Guizhou	Xinan	China		2012	1E	A	yes	yes	KJ683984	This report	KJ683984	This report
RVi/Shaoyang.Hunan.CHN/15.12/2	Hunan	Zhongnan	China		2012	1E	A	yes	yes	KJ684042	This report		
RVi/Beichen.Tianjin.CHN/16.12/3	Tianjin	Huabei	China		2012	1E	A	yes	yes	KJ683985	This report	KJ683985	This report
RVi/Changchun.Jilin.CHN/17.12/2	Jilin	Dongbei	China		2012	1E	A	yes	yes	KJ684043	This report		
RVi/Huaibei.Anhui.CHN/19.12	Anhui	Huadong	China		2012	1E	A	yes	yes	KJ684044	This report		
RVi/Wuhann.Hubei.CHN/20.12/1	Hubei	Zhongnan	China		2012	1E	A	yes	yes	KJ684045	This report		
RVi/Wushan.Chongqing.CHN/20.12	Chongqing	Xinan	China		2012	1E	A	yes	yes	KJ684046	This report		
RVi/Haerbin.Heilongjiang.CHN/21.12/4	Heilongjiang	Dongbei	China		2012	1E	A	yes	yes	KJ684047	This report		
RVi/Baiyin.Gansu.CHN/23.12	Gansu	Xibei	China		2012	1E	A	yes	yes	KJ684048	This report		
RVi/Hegang.Heilongjiang.CHN/25.12	Heilongjiang	Dongbei	China		2012	1E	A	yes	yes	KJ684049	This report		

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RVi/Linxia.Gansu.CHN/27.12	Gansu	Xibei	China		2012	1E	A	yes	yes	KJ684050	This report		
RVi/Baiyin.Gansu.CHN/17.12	Gansu	Xibei	China		2012	1E	B	yes	yes	KJ683986	This report	KJ683986	This report
RVi/Shenyang.Liaoning.CHN/18.12/3	Liaoning	Dongbei	China		2012	1E	A	yes	yes	KJ683987	This report	KJ683987	This report
RVi/Haerbin.Heilongjiang.CHN/19.12/1	Heilongjiang	Dongbei	China		2012	1E	A	yes	yes	KJ683988	This report	KJ683988	This report
RVi/Jiangjin.Chongqing.CHN/19.12	Chongqing	Xinan	China		2012	1E	A	yes	yes	KJ683989	This report	KJ683989	This report
RVi/Anqing.Anhui.CHN/21.12	Anhui	Huadong	China		2012	1E	A	yes	yes	KJ683990	This report	KJ683990	This report
RVi/Pingdingshan.Henan.CHN/24.12	Henan	Zhongnan	China		2012	1E	A	yes	yes	KJ683991	This report	KJ683991	This report
RVs/HongKong.CHN/02.12CRS			China/Hongkong SAR		2012	1E	A	yes	yes	KC917275			
RVs/Aichi.JPN/28.12			Japan		2012	1E		yes	yes	AB753257			
RVs/Chicago.IL.USA/38.12CRS			United States of America	Sudan	2012	1E		yes	yes	KC866357			
RVi/Anhui.CHN/0.00	Anhui	Huadong	China		2000	1F			yes	AY968215	(4)	AY968215	(4)
RVi/Beijing.CHN/0.79	Beijing	Huabei	China		1979	2A			yes	AY258322	(13)	AY258322	(13)
RVi/Beijing.CHN.0.80VAC	Beijing	Huabei	China		1980	2A			yes	AY258323	(13)		
RVi/TelAviv.ISR/0.68			Israel		1968	2B			yes	AY968219	(4)	AY968219	(4)
RVi/Anhui.CHN/0.00/2	Anhui	Huadong	China		2000	2B			yes	AY968218	(4)	AY968218	(4)
RVi/Moscow.RUS/0.97			Russia		1997	2C			yes	DQ085340		DQ085340	

Supplementary Table 1B.

Strain	Province	Region	Country/Region	Known exporting country	Year	Genotype	Cluster	Dataset 4	Dataset 5	739nt dataset-ID	739-nt dataset Reference	E1 dataset-ID	E1 dataset Reference
RVi/New Jersey.USA/0.61VAC			United States of America		1961	1a			yes	M30776	(1)	M30776	(1)
RVi/Brussels.BEL/0.63VAC			Belgium		1963	1a			yes	AF188704	(2)	AF188704	(2)
RVi/Pennsylvania.USA/0.64VAC			United States of America		1964	1a			yes	JF727653		JF727653	
RVi/Toyama/JPN/0.67			Japan		1967	1a			yes	AB047330	(3)	AB047330	(3)
RVi/TelAviv.ISR/0.68			Israel		1968	2B		yes	yes	AY968219	(4)	AY968219	(4)
RVi/Jerusalem.ISR/0.75			Israel		1975	1B			yes	AY968207	(4)	AY968207	(4)
RVi/BeneBerak.ISR/0.79			Israel		1979	1B			yes	AY968208	(4)	AY968208	(4)
RVi/Beijing.CHN/0.79			China		1979	2A			yes	AY258322	(13)	AY258322	(13)
379/HK/CHN80			China/Hongkong SAR		1980	2B		yes	yes	AB003340	(14)	AB003340	(14)
RVi/Beijing.CHN.0.80/VAC			China		1980	2A				AY258323	(13)		
RVi/London.GBR/0.86			GBR		1986	1I			yes	AF039122	(15)		
RVi/Tiberias.ISR/0.88			Israel		1988	1B			yes	AY968209	(4)	AY968209	(4)
RVI/Tokyo.JPN/0.90CRS			Japan		1990	1D			yes	AY968214	(4)	AY968214	(4)
RVi/Pune.IND/10.92			India		1992	2B		yes	yes	KC288128			
RVi/Milan.ITA/46.92			Italy		1992	1I			yes	AY161360	(16)		
4861/ITA93			Italy		1993	2B		yes	yes	AY161362	(16)		
5298/ITA94			Italy		1994	2B		yes	yes	AY161370	(16)		
RVi/Saitama.JPN/0.94			Japan		1994	1D			yes	AY968216	(4)	AY968216	(4)
BAS/IND95			India		1995	2B		yes	yes	AF039134	(15)		
AN1/SO/KOR95			Korea		1995	2B		yes	yes	AY326345	(16)		
RVi/Moscow.RUS/0.97			Russia		1997	2C			yes	DQ085340		DQ085340	
RVI/Panama city.PAN/0.99			Panama		1999	1C			yes	AY968217	(4)	AY968217	(4)
RVi/Anhui.CHN/0.00/2	Anhui	Huadong	China		2000	2B		yes	yes	AY968218	(4)	AY968218	(4)
RVi/Washington.USA/16.00			United States of America	India	2000	2B		yes	yes	AY968220	(4)	AY968220	(4)
Iran-2000-2B			Iran		2000	2B		yes	yes	DQ975202			
RVi/Anhui.CHN/0.00			China		2000	1F			yes	AY968215	(4)	AY968215	(4)
RVi/Shandong.CHN/0.00			China		2000	1F			yes	AY968213	(4)	AY968213	(4)
RVs/Bordeaux.FRA/27.04CRS			France		2004	2B	C	yes	yes	FN547017	(5)		
RVi/Chendu.Sichuan.CHN/18.06/1	Sichuan	Xinan	China		2006	2B		yes	yes	FJ875057	(8)	KJ683992	(8)
RVi/RiodeJaneiro.BRA/49.06			Brazil		2006	2B	C	yes	yes	GU254251			
RVs/Kaohsiung.TWN/38.06			Taiwan		2006	2B		yes	yes	JQ900387	(11)		
RVs/Taipei.TWN/40.06			Taiwan		2006	2B		yes	yes	JQ900388	(11)		
RVi/Kalamazoo.MI.USA/4.07			United States of America		2007	2B		yes	yes	JN635292		JN635292	(7)
RVs/Sheffield.GBR/13.07CRS			United Kingdom		2007	2B	C	yes	yes	EU240899			
RVs/London.GBR/25.07			United Kingdom		2007	2B	C	yes	yes	EU240900			
RVi/Chitradurga.IND/11.07			India		2007	2B	C	yes	yes	JQ283993			
RVi/Kolar.IND/15.07			India		2007	2B	C	yes	yes	JQ283994			
RVs/Miaoli.TWN/26.07/6			Taiwan		2007	2B		yes	yes	JQ900384	(11)		
RVs/HongKong.CHN/51.08CRS			China/Hong Kong SAR		2008	2B	C	yes	yes	FJ656219			

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RVi/BuenosAires.ARG/45.08/4			Argentina		2008	2B	C	yes	yes	FJ971779	(17)		
RVi/BuenosAires.ARG/46.08			Argentina		2008	2B	C	yes	yes	FJ971781	(17)		
RVi/Misiones.ARG/50.08			Argentina		2008	2B	C	yes	yes	FJ971783	(17)		
RVs/HongKong.CHN/49.08			China/Hong Kong SAR		2008	2B	Cα	yes	yes	FJ656218			
Rvi/Almaty.KAZ/9.08/2			Kazakhstan		2008	2B		yes	yes	FJ711685			
RVi/BuenosAires.ARG/24.08			Argentina		2008	2B	C	yes	yes	FJ971761	(17)		
RVi/BuenosAires.ARG/36.08/4			Argentina		2008	2B	Cα	yes	yes	FJ971768	(17)		
RVi/BuenosAires.ARG/41.08/4			Argentina		2008	2B	C	yes	yes	FJ971771	(17)		
RVi/BuenosAires.ARG/41.08/6			Argentina		2008	2B	C	yes	yes	FJ971773	(17)		
RVi/Zhejiang.CHN/23.08	Zhejiang	Huadong	China		2008	2B	C	yes	yes	GQ374572	(18)		
RVs/Para.BRA/29.08			Brazil		2008	2B	C	yes	yes	GU254255			
RVs/MinasGerais.BRA/52.08/CRS			Brazil		2008	2B	C	yes	yes	HM212630			
RVs/Parana.BRA/52.08/CRS			Brazil		2008	2B	C	yes	yes	HM212633			
RVi/Weifang.Shandong.CHN/25.08/2	Shandong	Huadong	China		2008	2B		yes	yes	JF702870	(12)	KJ683994	(12)
RVi/Wanlong.Hainan.CHN/2.08/6	Hainan	Zhongnan	China		2008	2B		yes	yes	JF702871	(12)	KJ683993	(12)
RVi/Bangalore/Urban.IND/14.08			India		2008	2B	C	yes	yes	JQ283995			
RVs/Taipei.TWN/07.08			Taiwan		2008	2B	Cα	yes	yes	JQ900381	(11)		
RVs/Taoyuan.TWN/24.08			Taiwan		2008	2B		yes	yes	JQ900382	(11)		
RVi/Bismarck.ND.USA/23.08			United States of America		2008	2B						JN635296	(7)
RVi/LA.CA.USA/45.08			United States of America		2008	2B	C					JN635294	(7)
Rvs/HoChiMinh.VNM/43.09			VietNam		2009	2B		yes	yes	AB546233			
RVs/Paris.FRA/26.09			France		2009	2B	C	yes	yes	FN547021	(5)		
RVi/Eagan.MN.USA/13.09			United States of America	India	2009	2B	C	yes	yes	GU353075			
RVs/Para.BRA/16.09/CRS			Brazil		2009	2B	C	yes	yes	HM212632			
RVs/Maranhao.BRA/42.09/CRS			Brazil		2009	2B	C	yes	yes	HM212634			
RVs/BinhDuong.VNM/44.09			VietNam		2009	2B		yes	yes	HQ893752	(19)		
RVi/Kannur.IND/09.09			India		2009	2B		yes	yes	JQ413980			
RVi/Taipei.TWN/09.09			Taiwan		2009	2B	C	yes	yes	JQ900437	(11)		
RVs/Taoyuan.TWN/21.09			Taiwan		2009	2B	Cα	yes	yes	JQ900443	(11)		
RVs/HoChiMinh.VNM/14.10			VietNam		2010	2B	Cα	yes	yes	HQ893753	19		
RVi/Taipei.TWN/18.10/2			Taiwan		2010	2B		yes	yes	JQ900394	(11)		
RVi/Sarajevo.BIH/09.10/3			Bosnia and Herzegovina		2010	2B	C	yes	yes	FR717214			
RVs/HoChiMinh.VNM/24.10			VietNam		2010	2B		yes	yes	HQ893749	(19)		
RVs/HoChiMinh.VNM/13.10			VietNam		2010	2B	Cα	yes	yes	HQ893750	(19)		
RVs/HoChiMinh.VNM/44.10			VietNam		2010	2B	Cα	yes	yes	HQ893756	(19)		
RVs/HoChiMinh.VNM/46.10			VietNam		2010	2B	Cα	yes	yes	HQ893757	(19)		
RVs/Taipei.TWN/21.10/			Taiwan	China	2010	2B		yes	yes	JQ858319	(11)		
RVi/Kaohsiung.TWN/27.10/2			Taiwan		2010	2B	Cα	yes	yes	JQ900398	(11)		
RVs/HoChiMinh.VNM/23.11			VietNam		2011	2B	Cα	yes	yes	AB745028	(20)		

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RVs/Kawasaki.JPN/17.11/1			Japan		2011	2B		yes	yes	AB674470			
RVs/HoChiMinh.VNM/32.11			VietNam		2011	2B	Cα	yes	yes	AB706307	(20)		
RVs/HoChiMinh.VNM/19.11			VietNam		2011	2B	Cα	yes	yes	AB745027	(20)		
RVs/HoChiMinh.VNM/43.11CRS			VietNam		2011	2B	Cα	yes	yes	AB745034	(20)		
RVs/HoChiMinh.VNM/37.11			VietNam		2011	2B	Cα	yes	yes	AB745035	(20)		
RVi/HoChiMinh.VNM/31.11			VietNam		2011	2B	Cα	yes	yes	AB745036	(20)		
RVi/HoChiMinh.VNM/19.11			VietNam		2011	2B	Cα	yes	yes	AB745039	(20)		
RVi/Taichung.TWN/08.11/2			Taiwan		2011	2B		yes	yes	JQ900401	(11)		
RVs/Taipei.TWN/11.11/2			Taiwan		2011	2B	Cα	yes	yes	JQ900410	(11)		
RVi/Taipei.TWN/23.11/2			Taiwan		2011	2B	Cα	yes	yes	JQ900427	(11)		
RVi/Burlington.MA.USA/44.11			United States of America	South Africa	2011	2B		yes	yes	JX477660			
RVi/Songjiang.Shanghai.CHN/9.11	Shanghai	Huadong	China		2011	2B	Cα	yes	yes	KJ683995	This report	KJ683995	This report
RVi/Shijiazhang.Hebei.CHN/10.11/1	Hebei	Huabei	China		2011	2B	Cα	yes	yes	KJ683996	This report	KJ683996	This report
RVi/Nankai.Tianjin.CHN/17.11/2	Tianjin	Huabei	China		2011	2B	Cα	yes	yes	KJ683997	This report	KJ683997	This report
RVi/Hedong.Tianjin.CHN/20.11	Tianjin	Huabei	China		2011	2B	Cα	yes	yes	KJ684000	This report	KJ684000	This report
RVi/Shaoyang.Hunan.CHN/23.11/2	Hunan	Zhongnan	China		2011	2B	Cα	yes	yes	KJ684001	This report	KJ684001	This report
RVi/Huainan.Anhui.CHN/41.11	Anhui	Huadong	China		2011	2B	Cα	yes	yes	KJ684003	This report	KJ684003	This report
RVi/Qingyuan.Guangdong.CHN/10.11	Guangdong	Zhongnan	China		2011	2B	Cα	yes	yes	KJ684051	This report		
RVi/Dongguan.Guangdong.CHN/11.11/1	Guangdong	Zhongnan	China		2011	2B	Cα	yes	yes	KJ684052	This report		
RVi/Nantong.Jiangsu.CHN/14.11	Jiangsu	Huadong	China		2011	2B	Cα	yes	yes	KJ684053	This report		
RVi/Baoshan.Shanghai.CHN/17.11	Shanghai	Huadong	China		2011	2B	Cα	yes	yes	KJ684054	This report		
RVi/Haerbing.Heilongjiang.CHN/18.11	Heilongjiang	Dongbei	China		2011	2B	Cα					KJ683998	This report
RVi/Shanwei.Guangdong.CHN/19.11/1	Guangdong	Zhongnan	China		2011	2B	Cα					KJ683999	This report
RVi/Shanwei.Guangdong.CHN/24.11	Guangdong	Zhongnan	China		2011	2B	Cα					KJ684002	This report
Rvs/Fukuokacity.JPN/1.12			Japan		2012	2B	Cα	yes	yes	AB702686			
RVs/Aichi.JPN/34.12/1			Japan		2012	2B	Cα	yes	yes	AB753260			
RVi/Chiba.JPN/48.12			Japan		2012	2B		yes	yes	AB793326			
Rvs/FukuokaC.JPN/29.12			Japan		2012	2B	Cα	yes	yes	AB824848			
Rvs/FukuokaC.JPN/47.12			Japan		2012	2B	Cα	yes	yes	AB824852			
RVs/HongKong.CHN/17.12			China/Hongkong SAR		2012	2B		yes	yes	JX112763			
RVs/Edinburgh.GBR/6.12			United Kingdom		2012	2B		yes	yes	JX398303			
RVs/Reading.GBR/12.12/1			United Kingdom		2012	2B		yes	yes	JX398305			
RVs/Colchester.GBR/18.12			United Kingdom		2012	2B	Cα	yes	yes	JX398308			
RVi/Milwaukee.WI.USA/17.12			United States of America	India	2012	2B		yes	yes	JX477661			
RVi/NewYorkCity.NY.USA/17.12			United States of America		2012	2B		yes	yes	JX477662			
RVs/HongKong.CHN/13.12			China/Hongkong SAR		2012	2B		yes	yes	KC917280			
RVi/Anqing.Anhui.CHN/9.12/2	Anhui	Huadong	China		2012	2B		yes	yes	KJ684004	This report	KJ684004	This report
RVi/Nanjin.Jiangsu.CHN/15.12	Jiangsu	Huadong	China		2012	2B	Cα	yes	yes	KJ684005	This report	KJ684005	This report
RVi/Chongming.Shanghai.CHN/17.12	Shanghai	Huadong	China		2012	2B	Cα	yes	yes	KJ684006	This report	KJ684006	This report
RVi/Haerbin.Heilongjiang.CHN/18.12/2	Heilongjiang	Dongbei	China		2012	2B	Cα	yes	yes	KJ684007	This report	KJ684007	This report

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RVi/Qiqihaer.Heilongjiang.CHN/5.12CRS	Heilongjiang	Dongbei	China		2012	2B	Cα	yes	yes	KJ684055	This report		
RVi/Zhanjiang.Guangdong.CHN/9.12/3	Guangdong	Zhongnan	China		2012	2B	Cα	yes	yes	KJ684056	This report		
RVi/Beichen.Tianjin.CHN/16.12/1	Tianjin	Huabei	China		2012	2B	Cα	yes	yes	KJ684057	This report		
RVi/Lvliang.Shanxi.CHN/22.12	Shanxi	Huabei	China		2012	2B	Cα	yes	yes	KJ684058	This report		
RVi/Zuanjiang.Chongqing.CHN/25.12	Chongqing	Xinan	China		2012	2B	Cα	yes	yes	KJ684059	This report		
RVi/Xiqing.Tianjin.CHN/49.12/2	Tianjin	Huabei	China		2012	2B	Cα					KJ684009	This report
RVi/Qijiang.Chongqing.CHN/19.12	Chongqing	Xinan	China		2012	2B	Cα					KJ684008	This report

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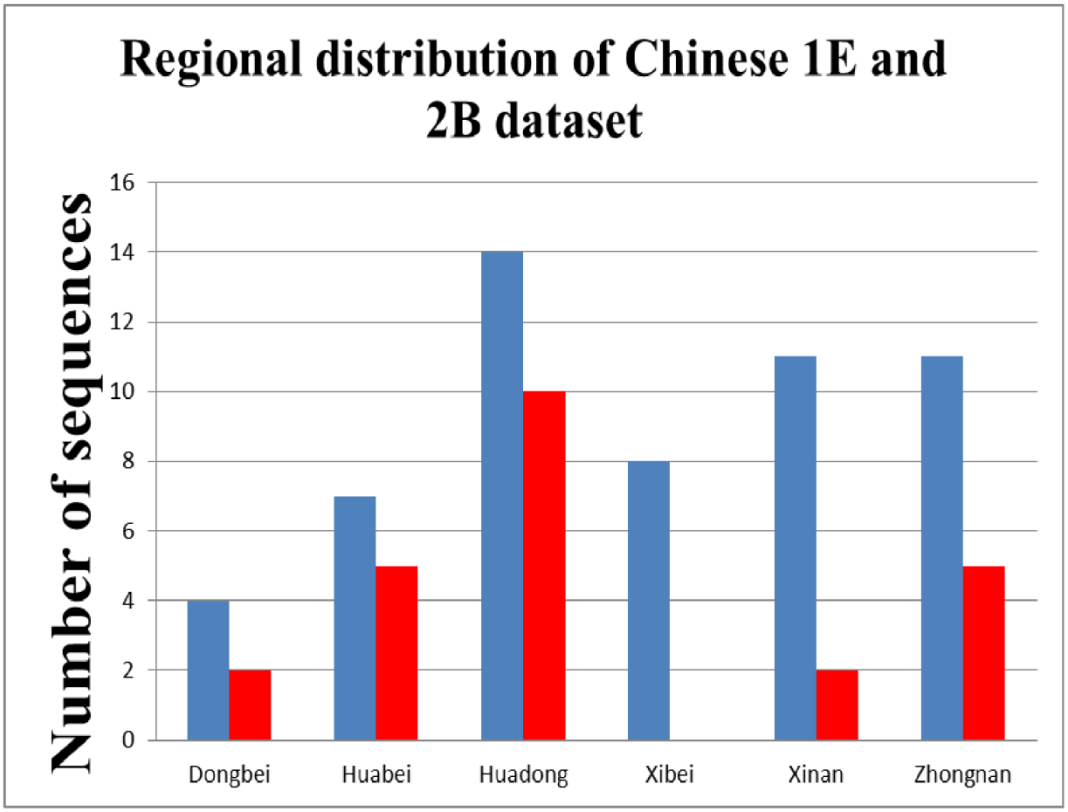
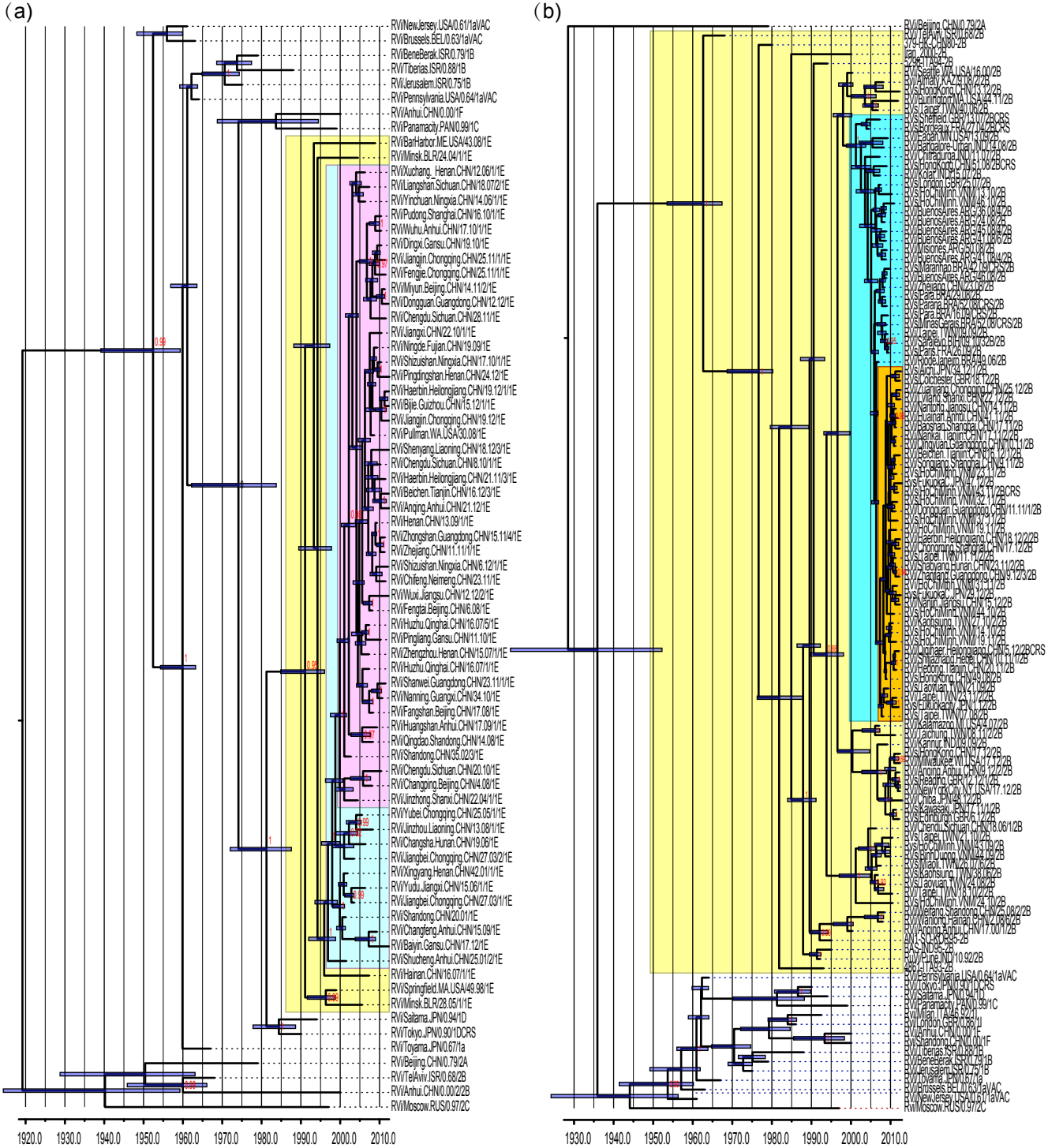
Supplementary Figure 1: Provincial and regional distribution of Chinese sequences of genotype 1E and 2B included in the dataset. Regions are color coded: Xibei in blue, Xinan in yellow, Zhongnan in green, Huadong in pink, Dongbei in purple and Huabei in orange. The numbers of sequences of 1E and 2B genotype are shown with blue and red bars respectively. The map was generated with mapinfo professional software (Version 11.0).

Huabei
Xibei
Dongbei
Huadong
Xinan
Zhongnan
Xinjiang
Gansu
Neimeng(Innermongolia)
Heilongjiang
Jilin
Liaoning
Beijing
Tianjin
Hebei
Ningxia
Shanxi
Shandong
Qinghai
Shannxi
Henan
Jiangsu
Anhui
Tibet
Sichuan
Hubei
Shanghai
Chongqing
Zhejiang
Jiangxi
Hunan
Guizhou
Fujian
Yunnan
Guangxi
Guangdong
Hainan
1E dataset
2B dataset


Regional distribution of Chinese 1E and 2B dataset
Number of sequences
0
2
4
6
8
10
12
14
16
Dongbei
Huabei
Huadong
Xibei
Xinan
Zhongnan

Supplementary Figure 2: Maximum clade credibility trees. 95% HPD intervals are shown with horizontal blue bars. Posterior probability values greater than 0.9 are shown in red. A. MCC tree of complete E1 gene sequences of genotype 1E rubella viruses. B. MCC tree of 739-nt sequences of genotype 2B rubella viruses.


(a)
(b)
1920.0
1930.0
1940.0
1950.0
1960.0
1970.0
1980.0
1990.0
2000.0
2010.0

Supplementary Figure 3: Provincial distribution of Chinese 2B viruses collected in 2011 and 2012. The map was generated with mapinfo professional software (Version 11.0).