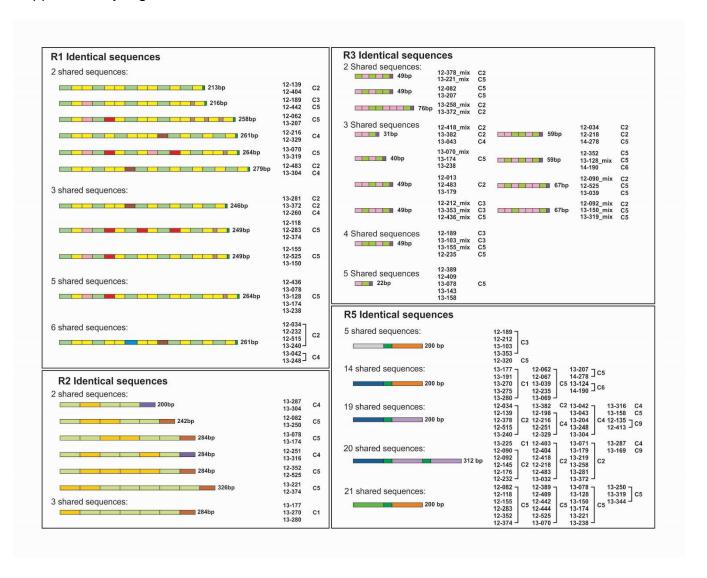
Supplementary Figure 1.



Supplementary Table 1.

Supplementary Table 1. Genome ID and GenBank accession numbers for the study samples

KPZ12-013	Genbank ID	VZV Clade	DOB	Rash Onset	Birthplace	R1	R2	R3	R4A	R4B	R5
	MH709309	2	7/17/1942	1/13/2012	Asia	Complete	Complete	Complete	Mix	Mix	Complete
KPZ12-034	MH709310	2	9/22/1934	1/15/2012	Asia	Complete	Complete	Complete	Complete	Complete	Complete
KPZ12-062	n/a	5	12/7/1945	2/13/2012	United States	Complete	Complete	Mix	Complete	Complete	Complete
KPZ12-067	n/a	5	6/13/1939	3/1/2012	United States	Complete	Complete	Complete	Complete	Complete	Complete
KPZ12-082	n/a	5	1/29/1943	3/3/2012	Asia	Complete	Complete	Complete	Complete	Mix	Complete
KPZ12-090	MH709311	2	9/1/1931	3/10/2012	Asia	Complete	Complete	Mix	Complete	Complete	Complete
KPZ12-092	KY037796	2	1/23/1932	3/16/2012	Phillipines	Complete	Complete	Mix	Complete	Complete	Complete
KPZ12-118	n/a	5	7/14/1944	4/3/2012	Asia	Complete	Complete	Complete	Complete	Complete	Complet
KPZ12-135	MH709312	9	6/3/1949	4/15/2012	Asia	Complete	Complete	Complete	Mix	Complete	Complete
KPZ12-139	MH709313	2	11/2/1949	4/18/2012	Asia	Complete	Complete	nd	Complete	Complete	Complete
KPZ12-145	MH709314	2	9/20/1941	4/19/2012	United States	Complete	Complete	Mix	Complete	Complete	Complete
KPZ12-155	n/a	5	1/19/1952	5/1/2012	United States	Complete	Complete	Mix	Complete	Complete	Complete
KPZ12-176	MH709315	2	1/27/1929	5/13/2012	United States	Mix	Complete	Complete	Complete	Complete	Complet
KPZ12-189	n/a	3	5/30/1940	5/13/2102	Asia	Complete	Complete	Complete	Mix	Mix	Complet
KPZ12-198	MH709316	4	8/17/1947	5/16/2012	United States	Complete	Complete	Mix	Complete	Complete	Complet
KPZ12-212	MH709317	3	2/16/1924	5/30/2012	Asia	Complete	Complete	Mix	Complete	Complete	Complet
KPZ12-216	MH709318	4	9/10/1950	5/31/2012	United States	Complete	Complete	Complete	Complete	Mix	Complet
KPZ12-218	MH709319	2	2/21/1934	6/2/2012	United States	Complete	Complete	Complete	Mix	Mix	Complet
KPZ12-232	MH709320	2	6/20/1930	6/9/2012	United States	Complete	Complete	Complete	Mix	Slight Mix	Complet
KPZ12-235	MH709321	5	7/19/1944	6/14/2012	Central/South America	Complete	Complete	Complete	Slight Mix	Complete	Complet
KPZ12-251	MH709322	4	8/8/1932	6/17/2012	United States	Complete	Complete	Mix	Mix	Mix	Complet
KPZ12-251	MH709323	4	6/19/1934	6/25/2012	United States	Complete	Complete	Complete	Complete	Mix	Complet
KPZ12-283	MH709324 MH709325	5	10/1/1946	7/8/2012	Asia Control/South Amorica	Complete	Complete	Mix	Mix	Complete	Complete
KPZ12-320		5	10/15/1943	7/22/2012	Central/South America	Complete	Complete	Complete	Complete		Complet
KPZ12-329	MH709326	4	5/3/1938	7/25/2012	United States	Complete	Complete	Complete	Complete	Complete	Complet
KPZ12-352	MH709327	5	1/20/1948	8/14/2012	Unknown	Complete	Complete	Complete	Complete	Complete	Complet
KPZ12-374	MH709328	5	9/18/1945	9/1/2012	Asia	Complete	Complete	Complete	Complete	Complete	Complet
KPZ12-378	MH709329	2	6/1/1943	8/28/2012	Asia	Complete	Complete	Mix	Complete	Complete	Complet
KPZ12-389	MH709330	5	10/1/1944	9/11/2012	Asia	Complete	Complete	Complete	Mix	Mix	Complet
VZV Genome ID	Genbank ID	VZV Clade	DOB	Rash Onset	Birthplace	R1	R2	R3	R4A	R4B	R5
KPZ12-403	MH709331	2	5/5/1944	9/16/2012	Asia	Complete	Complete	Mix	Complete	Complete	Complet
KPZ12-404	n/a	2	9/24/1937	9/14/2012	Asia	Complete	Complete	Mix	Complete	Complete	Complet
KPZ12-409	MH709332	5	7/13/1952	9/20/2012	Asia	Complete	Complete	Complete	Mix	Mix	Complete
KPZ12-413	n/a	9	11/8/1936	9/20/2012	Asia	Complete	Complete	Mix	Complete	Mix	Complete
KPZ12-418	MH709333	2	4/28/1946	9/27/2012	United States	Complete	Complete	Mix	Slight Mix	Complete	Complete
KPZ12-436	MH709334	5	8/1/1951	10/7/2012	Asia	Complete	Complete	Mix	Mix	Complete	Complete
KPZ12-442	MH709335	5	1/25/1946	10/18/2012	Asia	Complete	Complete	Mix	Complete	Complete	Complet
KPZ12-444	MH709336	5	3/13/1943	10/21/2012	Asia	Complete	Complete	Mix	Mix	Complete	Complete
KPZ12-483	MH709337	2	1/14/1931	11/8/2012	Asia	Complete	Complete	Complete	Complete	Slight Mix	Complete
KPZ12-515	KF811485	2	1/31/1944	11/29/2012	United States	Complete	Complete	Complete	Mix	Mix	Complete
KPZ12-525	MH709338	5	6/26/1926	12/6/2012	Asia	Complete	Complete	Complete	Mix	Complete	Complete
KPZ13-032	MH709339	2	5/29/1933	1/14/2013	United States	Complete	Complete	Complete	Complete	Complete	Complete
KPZ13-039	MH709340	5	4/22/1937	1/20/2013	Asia	Complete	Complete	Complete	Mix	Mix	Complete
KPZ13-042	MH709341	4	2/3/1927	1/28/2013	United States	Complete	Complete	Complete	Mix	Mix	Complete
KPZ13-042	n/a	4	4/30/1933	1/26/2013	United States	Complete	Complete	Complete	Complete	Complete	Complete
KPZ13-043	MH709342	5	1/5/1935	2/10/2013	United States	Complete	Complete	Mix	Mix	Mix	Complete
KPZ13-003	MH709342	5	1/7/1933	2/8/2013	Africa	Complete	Complete	Mix	Mix	Mix	Complet
		2									
KPZ13-071	MH709344		6/19/1947	2/9/2013	Asia	Complete	Complete	Complete	Complete	Complete	Complet
KPZ13-078	MH709345	5	11/15/1937	2/14/2013	Asia	Complete	Complete	Complete	Complete	Complete	Complet
KPZ13-103	MH709346	3	4/21/1949	2/27/2013	United States	Complete	Complete	Mix	Mix	Mix	Complet
KPZ13-124	KP702725	6	2/9/1925	3/1/2013	United States	Complete	Complete	Complete	Complete	Mix	Complete
KPZ13-128	MH709347	5	8/10/1946	3/13/2013	Asia	Complete	Complete	Mix	Complete	Complete	Complete
KPZ13-142	MH709348	2	8/26/1923	3/18/2013	United States	Complete	Complete	Complete	Complete	Mix	Complete
KPZ13-143	MH709349	5	7/5/1940	3/19/2013	Africa	Complete	Complete	Complete	Complete	Complete	Complete
KPZ13-150	MH709350	5	6/20/1951	3/22/2013	Asia	Complete	Complete	Mix	Mix	Mix	Complete
KPZ13-158	MH709351	5	5/17/1929	3/20/2013	Central/South America	Complete	Complete	Complete	Mix	Mix	Complete
KPZ13-169	MH709352	9	10/12/1945	4/3/2013	Asia	Complete	Complete	Complete	Complete	Mix	Complet
KPZ13-174	MH709353	5	11/19/1947	4/3/2013	Asia	Complete	Complete	Complete	Complete	Mix	Complet
KPZ13-177	MH709354	1	10/27/1944	4/7/2013	United States	Complete	Complete	Complete	Mix	Complete	Complete
VZV Genome ID	Genbank ID	VZV Clade	DOB	Rash Onset	Birthplace	R1	R2	R3	R4A	R4B	R5
KPZ13-179	MH709355	2	7/24/1926	4/2/2013	Asia	Complete	Complete	Complete	Slight Mix	Mix	Complet
KPZ13-191	MH709356	1	6/26/1950	4/1/2013	Mexico	Complete	Complete	Complete	Mix	Mix	Complete
KPZ13-204	MH709357	4	7/18/1931	4/14/2013	United States	Complete	Complete	Complete	Mix	Complete	Complet
KPZ13-207	MH709358	5	4/14/1925	4/18/2013	Other	Complete	Complete	Complete	Complete	Complete	Complet
KPZ13-219	MH709359	2	12/17/1928	4/22/2013	Asia	Complete	Complete	nd	Complete	Complete	Complet
KPZ13-221	MH709360	5	8/27/1938	4/26/2013	Africa	Complete	Complete	Mix	Complete	Complete	Complet
KPZ13-225	MH709361	1	3/6/1941	4/29/2013	Asia	Complete	Complete	nd	Complete	Complete	Complet
KPZ13-238	MH709362	5	3/30/1947	4/22/2013	Asia	Complete	Complete	Complete	Mix	Mix	Complet
KPZ13-230	MH709363	2	3/1/1948	5/2/2013	United States	Complete	Complete	nd	Mix	Mix	Complet
KPZ13-248	MH709364	4	4/7/1945	5/8/2013	United States			Mix	Mix	Mix	
			4/10/1945			Complete	Complete				Complet
KPZ13-250	MH709365	5		5/12/2013	Asia	Complete	Complete	Mix	Complete	Mix	Complet
	MH709366	2	6/20/1939	5/12/2013	Asia	Complete	Complete	Mix	Complete	Mix	Complet
KPZ13-258	MH709367	1	11/9/1942	5/19/2013	United States	Complete	Complete	Complete	Complete	Mix	Complet
KPZ13-270	MH709368	1	10/13/1932	5/24/2013	United States	Complete	Complete	Mix	Complete	Complete	Complet
KPZ13-270 KPZ13-275			6/4/1942	5/27/2013	United States	Complete	Complete	Mix	Mix	Mix	Complet
KPZ13-270 KPZ13-275 KPZ13-280	MH709369	1			Central/South America	Complete	Complete	nd	nd	Complete	Complet
KPZ13-270 KPZ13-275 KPZ13-280 KPZ13-281	MH709369 n/a	2	5/30/1945	5/23/2013		1 0	Complete				
KPZ13-270 KPZ13-275 KPZ13-280	MH709369	2 4	8/11/1930	6/1/2013	United States	Complete	Complete	Mix	Mix	Mix	Comple
KPZ13-270 KPZ13-275 KPZ13-280 KPZ13-281	MH709369 n/a	2			United States Canada	Complete	Complete	Mix Complete	Mix Mix	Mix Mix	
KPZ13-270 KPZ13-275 KPZ13-280 KPZ13-281 KPZ13-287	MH709369 n/a MH709370	2 4	8/11/1930	6/1/2013							Comple
KPZ13-270 KPZ13-275 KPZ13-280 KPZ13-281 KPZ13-287 KPZ13-304	MH709369 n/a MH709370 MH709371	2 4 4	8/11/1930 7/8/1946	6/1/2013 6/7/2013	Canada	Complete	Complete	Complete	Mix	Mix	Comple
KPZ13-270 KPZ13-275 KPZ13-280 KPZ13-281 KPZ13-287 KPZ13-304 KPZ13-316 KPZ13-319	MH709369 n/a MH709370 MH709371 MH709372 MH709373	4 4 4 5	8/11/1930 7/8/1946 6/13/1937 3/11/1933	6/1/2013 6/7/2013 6/27/2013 6/20/2013	Canada United States Asia	Complete Complete Complete	Complete Complete Complete	Complete Complete Mix	Mix Complete Mix	Mix Complete Mix	Comple Comple Comple
KPZ13-270 KPZ13-275 KPZ13-280 KPZ13-281 KPZ13-287 KPZ13-304 KPZ13-316 KPZ13-319 KPZ13-344	MH709369 n/a MH709370 MH709371 MH709372 MH709373 MH709374	2 4 4 4 5 5	8/11/1930 7/8/1946 6/13/1937 3/11/1933 9/16/1935	6/1/2013 6/7/2013 6/27/2013 6/20/2013 7/12/2013	Canada United States Asia United States	Complete Complete Complete Complete	Complete Complete Complete Complete	Complete Complete Mix Mix	Mix Complete Mix Slight Mix	Mix Complete Mix Mix	Complet Complet Complet
KPZ13-270 KPZ13-275 KPZ13-280 KPZ13-281 KPZ13-287 KPZ13-304 KPZ13-316 KPZ13-319 KPZ13-344 KPZ13-344	MH709369 n/a MH709370 MH709371 MH709372 MH709373 MH709374 MH709375	2 4 4 4 5 5 3	8/11/1930 7/8/1946 6/13/1937 3/11/1933 9/16/1935 11/18/1931	6/1/2013 6/7/2013 6/27/2013 6/20/2013 7/12/2013 7/10/2013	Canada United States Asia United States Central/South America	Complete Complete Complete Complete Complete	Complete Complete Complete Complete Complete	Complete Complete Mix Mix Mix	Mix Complete Mix Slight Mix Complete	Mix Complete Mix Mix Mix	Complet Complet Complet Complet Complet Complet
KPZ13-270 KPZ13-275 KPZ13-280 KPZ13-281 KPZ13-287 KPZ13-304 KPZ13-316 KPZ13-319 KPZ13-344 KPZ13-353 KPZ13-353 KPZ13-372	MH709369 n/a MH709370 MH709371 MH709372 MH709373 MH709374 MH709375 MH709376	2 4 4 5 5 3 2	8/11/1930 7/8/1946 6/13/1937 3/11/1933 9/16/1935 11/18/1931 1/27/1938	6/1/2013 6/7/2013 6/27/2013 6/20/2013 7/12/2013 7/10/2013 7/21/2013	Canada United States Asia United States Central/South America Asia	Complete Complete Complete Complete Complete Complete Complete	Complete Complete Complete Complete Complete Complete Complete	Complete Complete Mix Mix Mix Mix Mix	Mix Complete Mix Slight Mix Complete Complete	Mix Complete Mix Mix Mix Complete	Complet Complet Complet Complet Complet
KP213-270 KP213-275 KP213-280 KP213-281 KP213-287 KP213-304 KP213-316 KP213-319 KP213-344 KP213-353	MH709369 n/a MH709370 MH709371 MH709372 MH709373 MH709374 MH709375	2 4 4 4 5 5 3	8/11/1930 7/8/1946 6/13/1937 3/11/1933 9/16/1935 11/18/1931	6/1/2013 6/7/2013 6/27/2013 6/20/2013 7/12/2013 7/10/2013	Canada United States Asia United States Central/South America	Complete Complete Complete Complete Complete	Complete Complete Complete Complete Complete	Complete Complete Mix Mix Mix	Mix Complete Mix Slight Mix Complete	Mix Complete Mix Mix Mix	Complet Complet Complet