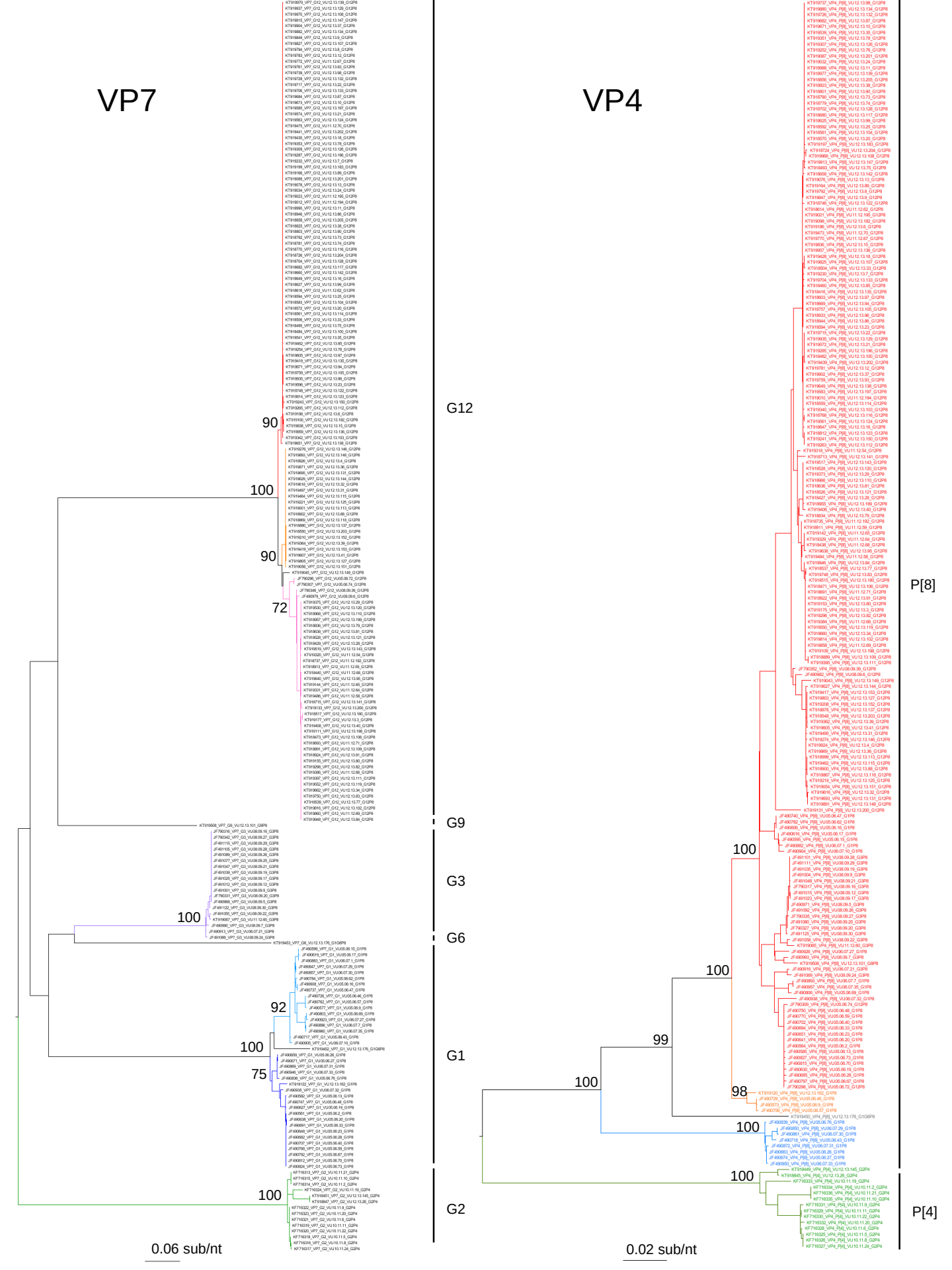
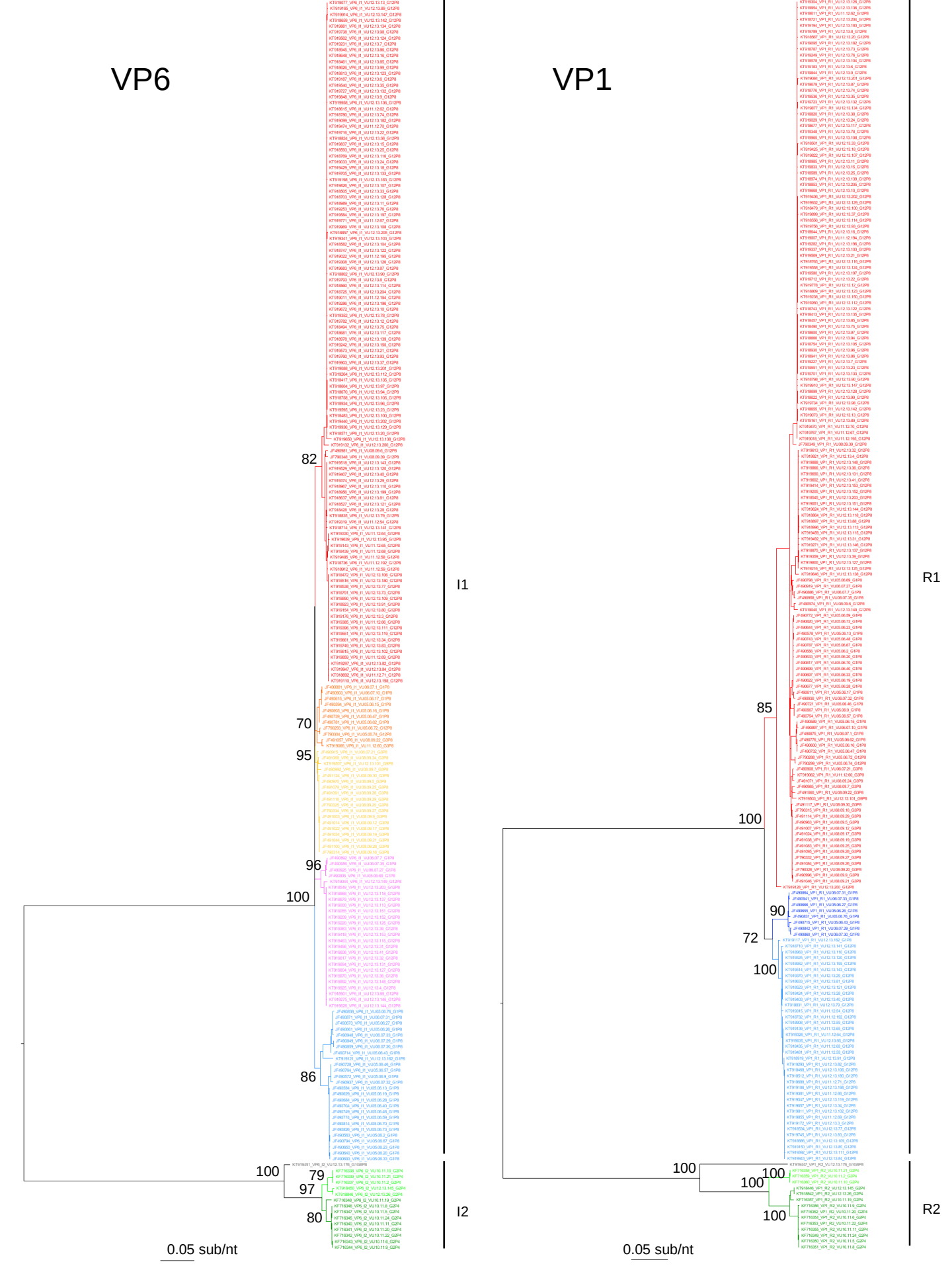

VP7
VP4
G12
G9
G3
G6
G1
G2
P[8]
P[4]
90
100
90
72
100
92
100
75
100
100
100
100
100
99
98
100
100
0.06 sub/nt
0.02 sub/nt


VP6
VP1
I1
I2
R1
R2
82
70
95
96
100
86
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79
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80
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90
72
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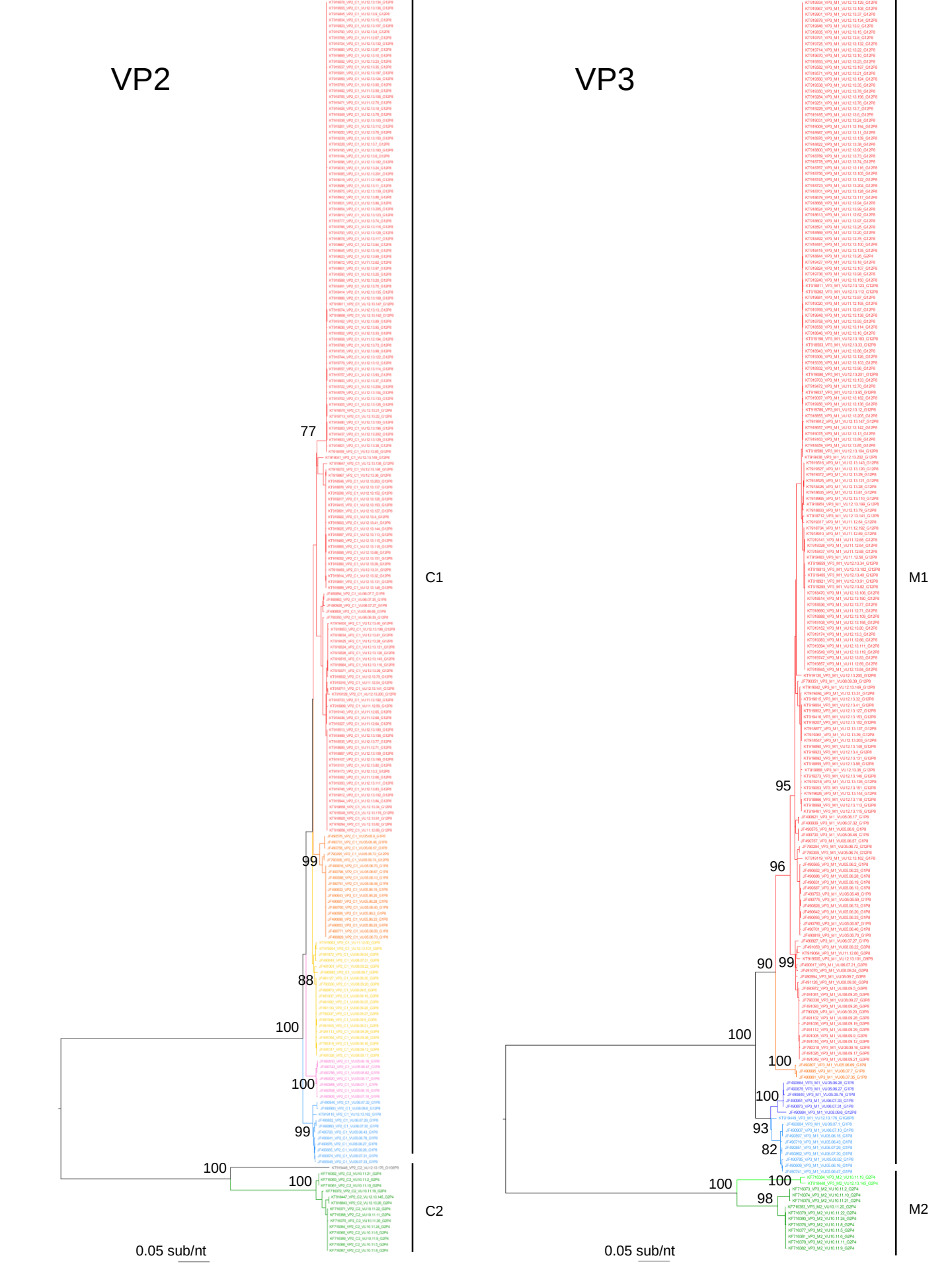
100
100
100
0.05 sub/nt
0.05 sub/nt


VP2
VP3
77
99
88
100
100
99
100
100
C1
C2
95
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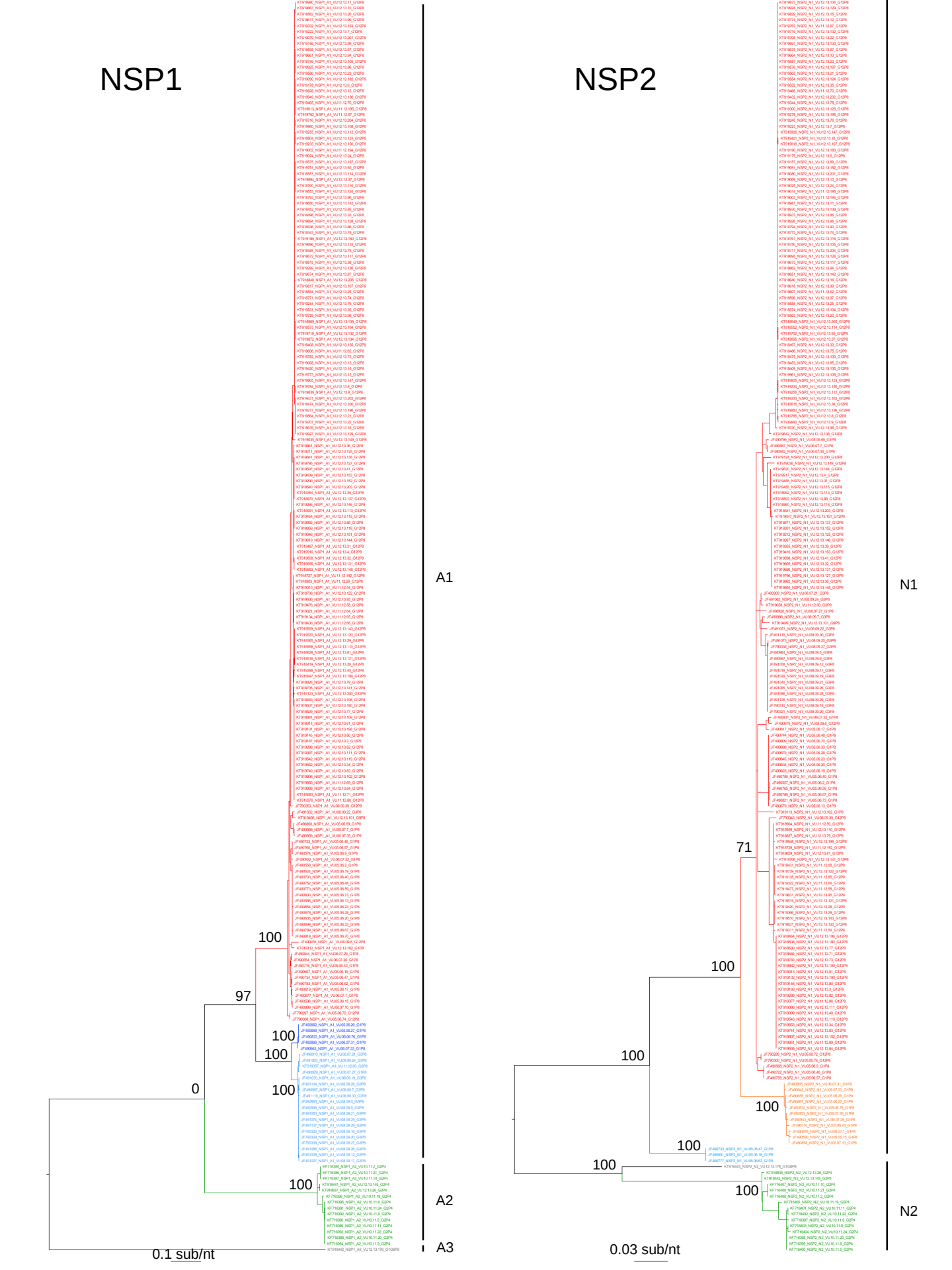
100
100
93
82
100
100
98
M1
M2
0.05 sub/nt
0.05 sub/nt


NSP1
NSP2
A1
A2
A3
N1
N2
100
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0
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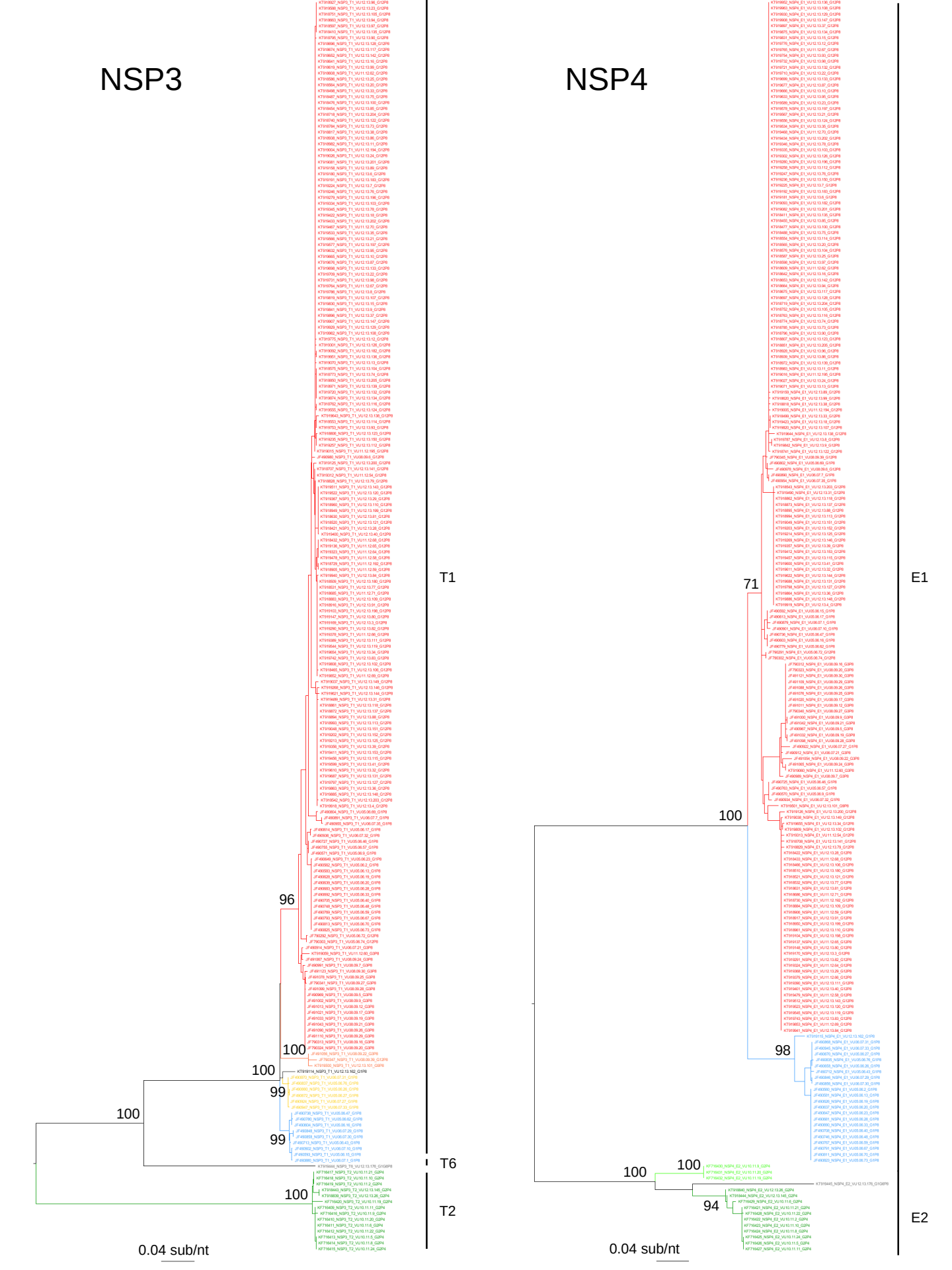
71
100
100
100
100
100
0.1 sub/nt
0.03 sub/nt


NSP3
NSP4
T1
T6
T2
E1
E2
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99
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0.04 sub/nt
0.04 sub/nt

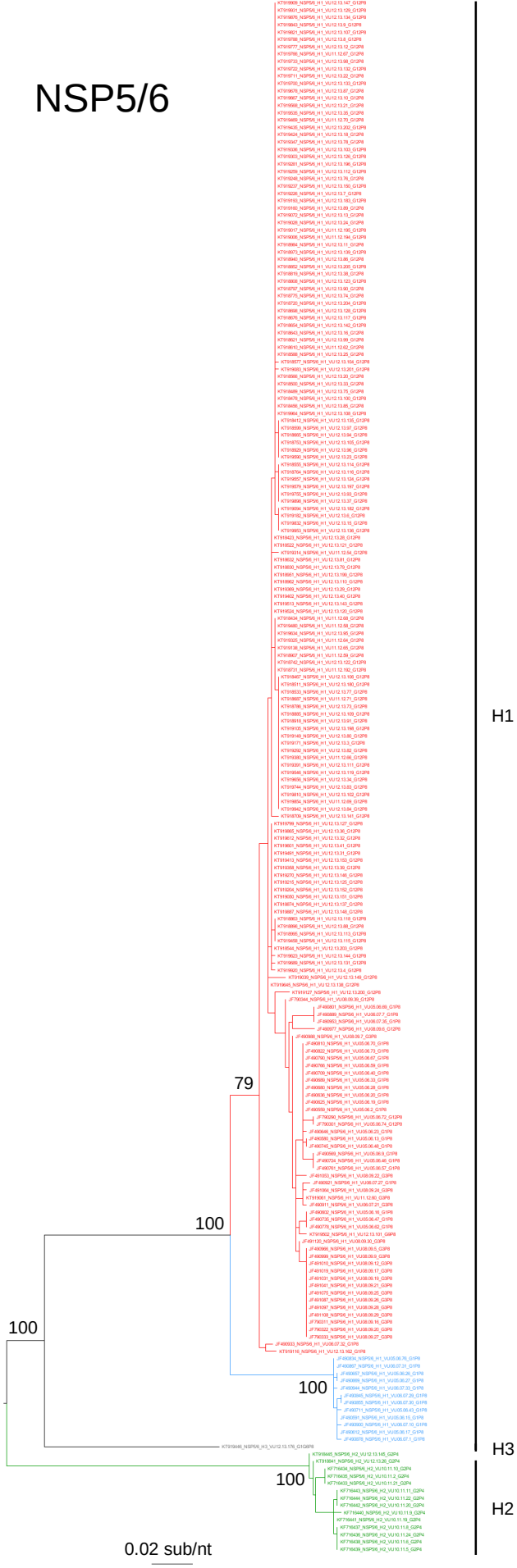

Figure S1. Phylogenetic relationships among Nashville, TN rotaviruses 2005-2013. Maximum likelihood trees assembled from nucleotide sequences for all VUMC NVSN rotavirus specimens with completely sequenced genomes are shown. Horizontal branch lengths representing substitutions per nucleotide are drawn to scale. Genogroup assignments are indicated on the right, and sub-genogroup allele assignments for segments other than VP7 are indicated by color. Bootstrap values >70 are shown as percentages.

Table S1. GenBank accession numbers for rotavirus geneome sequences analyzed.

A. Sequences from the current study

	Encoded protein (genome segment)										
Strain name	VP7 (9)	VP4 (4)	VP6 (6)	VP1 (1)	VP2 (2)	VP3 (3)	NSP1 (5)	NSP2 (8)	NSP3 (7)	NSP4 (10)	NSP5/6 (11)
RVA/Human-wt/USA/VU11-12-54/2012/G12P[8]	KT919320	KT919318	KT919319	KT919315	KT919316	KT919317	KT919310	KT919311	KT919312	KT919313	KT919314
RVA/Human-wt/USA/VU11-12-58/2012/G12P[8]	KT919486	KT919484	KT919485	KT919481	KT919482	KT919483	KT919476	KT919477	KT919478	KT919479	KT919480
RVA/Human-wt/USA/VU11-12-59/2012/G12P[8]	KT918913	KT918911	KT918912	KT918908	KT918909	KT918910	KT918903	KT918904	KT918905	KT918906	KT918907
RVA/Human-wt/USA/VU11-12-60/2012/G3P[8]	KT919067	KT919065	KT919066	KT919062	KT919063	KT919064	KT919057	KT919058	KT919059	KT919060	KT919061
RVA/Human-wt/USA/VU11-12-62/2012/G12P[8]	KT918616	KT918614	KT918615	KT918611	KT918612	KT918613	KT918606	KT918607	KT918608	KT918609	KT918610
RVA/Human-wt/USA/VU11-12-64/2012/G12P[8]	KT919331	KT919329	KT919330	KT919326	KT919327	KT919328	KT919321	KT919322	KT919323	KT919324	KT919325
RVA/Human-wt/USA/VU11-12-65/2012/G12P[8]	KT919144	KT919142	KT919143	KT919139	KT919140	KT919141	KT919134	KT919135	KT919136	KT919137	KT919138
RVA/Human-wt/USA/VU11-12-66/2012/G12P[8]	KT919386	KT919384	KT919385	KT919381	KT919382	KT919383	KT919376	KT919377	KT919378	KT919379	KT919380
RVA/Human-wt/USA/VU11-12-67/2012/G12P[8]	KT919772	KT919770	KT919771	KT919767	KT919768	KT919769	KT919762	KT919763	KT919764	KT919765	KT919766
RVA/Human-wt/USA/VU11-12-68/2012/G12P[8]	KT918440	KT918438	KT918439	KT918435	KT918436	KT918437	KT918430	KT918431	KT918432	KT918433	KT918434
RVA/Human-wt/USA/VU11-12-69/2012/G12P[8]	KT919860	KT919858	KT919859	KT919855	KT919856	KT919857	KT919850	KT919851	KT919852	KT919853	KT919854
RVA/Human-wt/USA/VU11-12-70/2012/G12P[8]	KT919475	KT919473	KT919474	KT919470	KT919471	KT919472	KT919465	KT919466	KT919467	KT919468	KT919469
RVA/Human-wt/USA/VU11-12-71/2012/G12P[8]	KT918693	KT918691	KT918692	KT918688	KT918689	KT918690	KT918683	KT918684	KT918685	KT918686	KT918687
RVA/Human-wt/USA/VU11-12-192/2012/G12P[8]	KT918737	KT918735	KT918736	KT918732	KT918733	KT918734	KT918727	KT918728	KT918729	KT918730	KT918731
RVA/Human-wt/USA/VU11-12-194/2012/G12P[8]	KT919012	KT919010	KT919011	KT919007	KT919008	KT919009	KT919002	KT919003	KT919004	KT919005	KT919006
RVA/Human-wt/USA/VU11-12-195/2012/G12P[8]	KT919023	KT919021	KT919022	KT919018	KT919019	KT919020	KT919013	KT919014	KT919015	KT919016	KT919017
RVA/Human-wt/USA/VU12-13-3/2012/G12P[8]	KT919177	KT919175	KT919176	KT919172	KT919173	KT919174	KT919167	KT919168	KT919169	KT919170	KT919171
RVA/Human-wt/USA/VU12-13-4/2013/G12P[8]	KT919926	KT919924	KT919925	KT919921	KT919922	KT919923	KT919916	KT919917	KT919918	KT919919	KT919920
RVA/Human-wt/USA/VU12-13-6/2013/G12P[8]	KT919188	KT919186	KT919187	KT919183	KT919184	KT919185	KT919178	KT919179	KT919180	KT919181	KT919182
RVA/Human-wt/USA/VU12-13-7/2013/G12P[8]	KT919232	KT919230	KT919231	KT919227	KT919228	KT919229	KT919222	KT919223	KT919224	KT919225	KT919226
RVA/Human-wt/USA/VU12-13-8/2013/G12P[8]	KT919794	KT919792	KT919793	KT919789	KT919790	KT919791	KT919784	KT919785	KT919786	KT919787	KT919788
RVA/Human-wt/USA/VU12-13-9/2013/G12P[8]	KT919849	KT919847	KT919848	KT919844	KT919845	KT919846	KT919839	KT919840	KT919841	KT919842	KT919843
RVA/Human-wt/USA/VU12-13-10/2013/G12P[8]	KT919673	KT919671	KT919672	KT919668	KT919669	KT919670	KT919663	KT919664	KT919665	KT919666	KT919667
RVA/Human-wt/USA/VU12-13-11/2013/G12P[8]	KT918990	KT918988	KT918989	KT918985	KT918986	KT918987	KT918980	KT918981	KT918982	KT918983	KT918984
RVA/Human-wt/USA/VU12-13-12/2013/G12P[8]	KT919783	KT919781	KT919782	KT919778	KT919779	KT919780	KT919773	KT919774	KT919775	KT919776	KT919777
RVA/Human-wt/USA/VU12-13-13/2013/G12P[8]	KT919078	KT919076	KT919077	KT919073	KT919074	KT919075	KT919068	KT919069	KT919070	KT919071	KT919072
RVA/Human-wt/USA/VU12-13-15/2013/G12P[8]	KT919838	KT919836	KT919837	KT919833	KT919834	KT919835	KT919828	KT919829	KT919830	KT919831	KT919832
RVA/Human-wt/USA/VU12-13-16/2013/G12P[8]	KT918649	KT918647	KT918648	KT918644	KT918645	KT918646	KT918639	KT918640	KT918641	KT918642	KT918643
RVA/Human-wt/USA/VU12-13-18/2013/G12P[8]	KT919430	KT919428	KT919429	KT919425	KT919426	KT919427	KT919420	KT919421	KT919422	KT919423	KT919424
RVA/Human-wt/USA/VU12-13-20/2013/G12P[8]	KT918572	KT918570	KT918571	KT918567	KT918568	KT918569	KT918562	KT918563	KT918564	KT918565	KT918566
RVA/Human-wt/USA/VU12-13-21/2013/G12P[8]	KT919574	KT919572	KT919573	KT919569	KT919570	KT919571	KT919564	KT919565	KT919566	KT919567	KT919568
RVA/Human-wt/USA/VU12-13-22/2013/G12P[8]	KT919717	KT919715	KT919716	KT919712	KT919713	KT919714	KT919707	KT919708	KT919709	KT919710	KT919711
RVA/Human-wt/USA/VU12-13-23/2013/G12P[8]	KT919596	KT919594	KT919595	KT919591	KT919592	KT919593	KT919586	KT919587	KT919588	KT919589	KT919590
RVA/Human-wt/USA/VU12-13-24/2013/G12P[8]	KT919034	KT919032	KT919033	KT919029	KT919030	KT919031	KT919024	KT919025	KT919026	KT919027	KT919028
RVA/Human-wt/USA/VU12-13-25/2013/G12P[8]	KT918594	KT918592	KT918593	KT918589	KT918590	KT918591	KT918584	KT918585	KT918586	KT918587	KT918588
RVA/Human-wt/USA/VU12-13-26/2013/G2P[4]	KT918847	KT918845	KT918846	KT918842	KT918843	KT918844	KT918837	KT918838	KT918839	KT918840	KT918841
RVA/Human-wt/USA/VU12-13-28/2013/G12P[8]	KT918429	KT918427	KT918428	KT918424	KT918425	KT918426	KT918419	KT918420	KT918421	KT918422	KT918423
RVA/Human-wt/USA/VU12-13-29/2013/G12P[8]	KT919375	KT919373	KT919374	KT919370	KT919371	KT919372	KT919365	KT919366	KT919367	KT919368	KT919369
RVA/Human-wt/USA/VU12-13-31/2013/G12P[8]	KT919497	KT919495	KT919496	KT919492	KT919493	KT919494	KT919487	KT919488	KT919489	KT919490	KT919491
RVA/Human-wt/USA/VU12-13-32/2013/G12P[8]	KT919618	KT919616	KT919617	KT919613	KT919614	KT919615	KT919608	KT919609	KT919610	KT919611	KT919612
RVA/Human-wt/USA/VU12-13-33/2013/G12P[8]	KT918506	KT918504	KT918505	KT918501	KT918502	KT918503	KT918496	KT918497	KT918498	KT918499	KT918500
RVA/Human-wt/USA/VU12-13-34/2013/G12P[8]	KT919662	KT919660	KT919661	KT919657	KT919658	KT919659	KT919652	KT919653	KT919654	KT919655	KT919656
RVA/Human-wt/USA/VU12-13-35/2013/G12P[8]	KT919541	KT919539	KT919540	KT919536	KT919537	KT919538	KT919531	KT919532	KT919533	KT919534	KT919535
RVA/Human-wt/USA/VU12-13-36/2013/G12P[8]	KT919871	KT919869	KT919870	KT919866	KT919867	KT919868	KT919861	KT919862	KT919863	KT919864	KT919865
RVA/Human-wt/USA/VU12-13-37/2013/G12P[8]	KT919904	KT919902	KT919903	KT919899	KT919900	KT919901	KT919894	KT919895	KT919896	KT919897	KT919898
RVA/Human-wt/USA/VU12-13-38/2013/G12P[8]	KT918825	KT918823	KT918824	KT918820	KT918821	KT918822	KT918815	KT918816	KT918817	KT918818	KT918819
RVA/Human-wt/USA/VU12-13-39/2013/G12P[8]	KT919364	KT919362	KT919363	KT919359	KT919360	KT919361	KT919354	KT919355	KT919356	KT919357	KT919358
RVA/Human-wt/USA/VU12-13-40/2013/G12P[8]	KT919408	KT919406	KT919407	KT919403	KT919404	KT919405	KT919398	KT919399	KT919400	KT919401	KT919402
RVA/Human-wt/USA/VU12-13-41/2013/G12P[8]	KT919607	KT919605	KT919606	KT919602	KT919603	KT919604	KT919597	KT919598	KT919599	KT919600	KT919601
RVA/Human-wt/USA/VU12-13-73/2012/G12P[8]	KT918792	KT918790	KT918791	KT918787	KT918788	KT918789	KT918782	KT918783	KT918784	KT918785	KT918786
RVA/Human-wt/USA/VU12-13-74/2012/G12P[8]	KT918781	KT918779	KT918780	KT918776	KT918777	KT918778	KT918771	KT918772	KT918773	KT918774	KT918775
RVA/Human-wt/USA/VU12-13-75/2012/G12P[8]	KT918495	KT918493	KT918494	KT918490	KT918491	KT918492	KT918485	KT918486	KT918487	KT918488	KT918489
RVA/Human-wt/USA/VU12-13-76/2012/G12P[8]	KT919254	KT919252	KT919253	KT919249	KT919250	KT919251	KT919244	KT919245	KT919246	KT919247	KT919248
RVA/Human-wt/USA/VU12-13-77/2012/G12P[8]	KT918539	KT918537	KT918538	KT918534	KT918535	KT918536	KT918529	KT918530	KT918531	KT918532	KT918533
RVA/Human-wt/USA/VU12-13-78/2012/G12P[8]	KT919353	KT919351	KT919352	KT919348	KT919349	KT919350	KT919343	KT919344	KT919345	KT919346	KT919347
RVA/Human-wt/USA/VU12-13-79/2012/G12P[8]	KT918836	KT918834	KT918835	KT918831	KT918832	KT918833	KT918826	KT918827	KT918828	KT918829	KT918830
RVA/Human-wt/USA/VU12-13-80/2012/G12P[8]	KT919155	KT919153	KT919154	KT919150	KT919151	KT919152	KT919145	KT919146	KT919147	KT919148	KT919149
RVA/Human-wt/USA/VU12-13-81/2013/G12P[8]	KT918638	KT918636	KT918637	KT918633	KT918634	KT918635	KT918628	KT918629	KT918630	KT918631	KT918632
RVA/Human-wt/USA/VU12-13-82/2013/G12P[8]	KT919298	KT919296	KT919297	KT919293	KT919294	KT919295	KT919288	KT919289	KT919290	KT919291	KT919292
RVA/Human-wt/USA/VU12-13-83/2013/G12P[8]	KT919750	KT919748	KT919749	KT919745	KT919746	KT919747	KT919740	KT919741	KT919742	KT919743	KT919744
RVA/Human-wt/USA/VU12-13-84/2013/G12P[8]	KT919948	KT919946	KT919947	KT919943	KT919944	KT919945	KT919938	KT919939	KT919940	KT919941	KT919942
RVA/Human-wt/USA/VU12-13-85/2013/G12P[8]	KT918462	KT918460	KT918461	KT918457	KT918458	KT918459	KT918452	KT918453	KT918454	KT918455	KT918456
RVA/Human-wt/USA/VU12-13-86/2013/G12P[8]	KT918946	KT918944	KT918945	KT918941	KT918942	KT918943	KT918936	KT918937	KT918938	KT918939	KT918940
RVA/Human-wt/USA/VU12-13-87/2013/G12P[8]	KT919684	KT919682	KT919683	KT919679	KT919680	KT919681	KT919674	KT919675	KT919676	KT919677	KT919678
RVA/Human-wt/USA/VU12-13-88/2013/G12P[8]	KT918902	KT918900	KT918901	KT918897	KT918898	KT918899	KT918892	KT918893	KT918894	KT918895	KT918896
RVA/Human-wt/USA/VU12-13-89/2013/G12P[8]	KT919166	KT919164	KT919165	KT919161	KT919162	KT919163	KT919156	KT919157	KT919158	KT919159	KT919160
RVA/Human-wt/USA/VU12-13-90/2013/G12P[8]	KT918803	KT918801	KT918802	KT918798	KT918799	KT918800	KT918793	KT918794	KT918795	KT918796	KT918797
RVA/Human-wt/USA/VU12-13-91/2013/G12P[8]	KT918924	KT918922	KT918923	KT918919	KT918920	KT918921	KT918914	KT918915	KT918916	KT918917	KT918918
RVA/Human-wt/USA/VU12-13-93/2013/G12P[8]	KT919761	KT919759	KT919760	KT919756	KT919757	KT919758	KT919751	KT919752	KT919753	KT919754	KT919755
RVA/Human-wt/USA/VU12-13-94/2013/G12P[8]	KT918671	KT918669	KT918670	KT918666	KT918667	KT918668	KT918661	KT918662	KT918663	KT918664	KT918665
RVA/Human-wt/USA/VU12-13-95/2013/G12P[8]	KT919640	KT919638	KT919639	KT919635	KT919636	KT919637	KT919630	KT919631	KT919632	KT919633	KT919634
RVA/Human-wt/USA/VU12-13-96/2013/G12P[8]	KT918935	KT918933	KT918934	KT918930	KT918931	KT918932	KT918925	KT918926	KT918927	KT918928	KT918929
RVA/Human-wt/USA/VU12-13-97/2013/G12P[8]	KT918605	KT918603	KT918604	KT918600	KT918601	KT918602	KT918595	KT918596	KT918597	KT918598	KT918599
RVA/Human-wt/USA/VU12-13-98/2013/G12P[8]	KT919739	KT919737	KT919738	KT919734	KT919735	KT919736	KT919729	KT919730	KT919731	KT919732	KT919733
RVA/Human-wt/USA/VU12-13-99/2013/G12P[8]	KT918627	KT918625	KT918626	KT918622	KT918623	KT918624	KT918617	KT918618	KT918619	KT918620	KT918621
RVA/Human-wt/USA/VU12-13-100/2013/G12P[8]	KT918484	KT918482	KT918483	KT918479	KT918480	KT918481	KT918474	KT918475	KT918476	KT918477	KT918478
RVA/Human-wt/USA/VU12-13-101/2013/G9P[8]	KT919508	KT919506	KT919507	KT919503	KT919504	KT919505	KT919498	KT919499	KT919500	KT919501	KT919502
RVA/Human-wt/USA/VU12-13-102/2013/G12P[8]	KT919816	KT919814	KT919815	KT919811	KT919812	KT919813	KT919806	KT919807	KT919808	KT919809	KT919810
RVA/Human-wt/USA/VU12-13-103/2013/G12P[8]	KT919342	KT919340	KT919341	KT919337	KT919338	KT919339	KT919332	KT919333	KT919334	KT919335	KT919336
RVA/Human-wt/USA/VU12-13-104/2013/G12P[8]	KT918583	KT918581	KT918582	KT918578	KT918579	KT918580	KT918573	KT918574	KT918575	KT918576	KT918577
RVA/Human-wt/USA/VU12-13-105/2013/G12P[8]	KT918759	KT918757	KT918758	KT918754	KT918755	KT918756	KT918749	KT918750	KT918751	KT918752	KT918753
RVA/Human-wt/USA/VU12-13-106/2013/G12P[8]	KT918473	KT918471	KT918472	KT918468	KT918469	KT918470	KT918463	KT918464	KT918465	KT918466	KT918467

RVA/Human-wt/USA/VU12-13-107/2013/G12P[8]	KT919827	KT919825	KT919826	KT919822	KT919823	KT919824	KT919817	KT919818	KT919819	KT919820	KT919821
RVA/Human-wt/USA/VU12-13-108/2013/G12P[8]	KT919970	KT919968	KT919969	KT919965	KT919966	KT919967	KT919960	KT919961	KT919962	KT919963	KT919964
RVA/Human-wt/USA/VU12-13-109/2013/G12P[8]	KT918891	KT918889	KT918890	KT918886	KT918887	KT918888	KT918881	KT918882	KT918883	KT918884	KT918885
RVA/Human-wt/USA/VU12-13-110/2013/G12P[8]	KT918968	KT918966	KT918967	KT918963	KT918964	KT918965	KT918958	KT918959	KT918960	KT918961	KT918962
RVA/Human-wt/USA/VU12-13-111/2013/G12P[8]	KT919397	KT919395	KT919396	KT919392	KT919393	KT919394	KT919387	KT919388	KT919389	KT919390	KT919391
RVA/Human-wt/USA/VU12-13-112/2013/G12P[8]	KT919265	KT919263	KT919264	KT919260	KT919261	KT919262	KT919255	KT919256	KT919257	KT919258	KT919259
RVA/Human-wt/USA/VU12-13-113/2013/G12P[8]	KT919001	KT918999	KT919000	KT918996	KT918997	KT918998	KT918991	KT918992	KT918993	KT918994	KT918995
RVA/Human-wt/USA/VU12-13-114/2013/G12P[8]	KT918561	KT918559	KT918560	KT918556	KT918557	KT918558	KT918551	KT918552	KT918553	KT918554	KT918555
RVA/Human-wt/USA/VU12-13-115/2013/G12P[8]	KT919465	KT919463	KT919464	KT919460	KT919461	KT919462	KT919455	KT919456	KT919457	KT919458	KT919459
RVA/Human-wt/USA/VU12-13-116/2013/G12P[8]	KT918770	KT918768	KT918769	KT918765	KT918766	KT918767	KT918760	KT918761	KT918762	KT918763	KT918764
RVA/Human-wt/USA/VU12-13-117/2013/G12P[8]	KT918682	KT918680	KT918681	KT918677	KT918678	KT918679	KT918672	KT918673	KT918674	KT918675	KT918676
RVA/Human-wt/USA/VU12-13-118/2013/G12P[8]	KT918869	KT918867	KT918868	KT918864	KT918865	KT918866	KT918859	KT918860	KT918861	KT918862	KT918863
RVA/Human-wt/USA/VU12-13-119/2013/G12P[8]	KT919552	KT919550	KT919551	KT919547	KT919548	KT919549	KT919542	KT919543	KT919544	KT919545	KT919546
RVA/Human-wt/USA/VU12-13-120/2013/G12P[8]	KT919530	KT919528	KT919529	KT919525	KT919526	KT919527	KT919520	KT919521	KT919522	KT919523	KT919524
RVA/Human-wt/USA/VU12-13-121/2013/G12P[8]	KT918528	KT918526	KT918527	KT918523	KT918524	KT918525	KT918518	KT918519	KT918520	KT918521	KT918522
RVA/Human-wt/USA/VU12-13-122/2013/G12P[8]	KT918748	KT918746	KT918747	KT918743	KT918744	KT918745	KT918738	KT918739	KT918740	KT918741	KT918742
RVA/Human-wt/USA/VU12-13-123/2013/G12P[8]	KT918814	KT918812	KT918813	KT918809	KT918810	KT918811	KT918804	KT918805	KT918806	KT918807	KT918808
RVA/Human-wt/USA/VU12-13-124/2013/G12P[8]	KT919563	KT919561	KT919562	KT919558	KT919559	KT919560	KT919553	KT919554	KT919555	KT919556	KT919557
RVA/Human-wt/USA/VU12-13-125/2013/G12P[8]	KT919221	KT919219	KT919220	KT919216	KT919217	KT919218	KT919211	KT919212	KT919213	KT919214	KT919215
RVA/Human-wt/USA/VU12-13-126/2013/G12P[8]	KT919309	KT919307	KT919308	KT919304	KT919305	KT919306	KT919299	KT919300	KT919301	KT919302	KT919303
RVA/Human-wt/USA/VU12-13-127/2013/G12P[8]	KT919805	KT919803	KT919804	KT919800	KT919801	KT919802	KT919795	KT919796	KT919797	KT919798	KT919799
RVA/Human-wt/USA/VU12-13-128/2013/G12P[8]	KT918704	KT918702	KT918703	KT918699	KT918700	KT918701	KT918694	KT918695	KT918696	KT918697	KT918698
RVA/Human-wt/USA/VU12-13-129/2013/G12P[8]	KT919937	KT919935	KT919936	KT919932	KT919933	KT919934	KT919927	KT919928	KT919929	KT919930	KT919931
RVA/Human-wt/USA/VU12-13-131/2013/G12P[8]	KT919695	KT919693	KT919694	KT919690	KT919691	KT919692	KT919685	KT919686	KT919687	KT919688	KT919689
RVA/Human-wt/USA/VU12-13-132/2013/G12P[8]	KT919728	KT919726	KT919727	KT919723	KT919724	KT919725	KT919718	KT919719	KT919720	KT919721	KT919722
RVA/Human-wt/USA/VU12-13-133/2013/G12P[8]	KT919706	KT919704	KT919705	KT919701	KT919702	KT919703	KT919696	KT919697	KT919698	KT919699	KT919700
RVA/Human-wt/USA/VU12-13-134/2013/G12P[8]	KT919882	KT919880	KT919881	KT919877	KT919878	KT919879	KT919872	KT919873	KT919874	KT919875	KT919876
RVA/Human-wt/USA/VU12-13-135/2013/G12P[8]	KT918418	KT918416	KT918417	KT918413	KT918414	KT918415	KT918408	KT918409	KT918410	KT918411	KT918412
RVA/Human-wt/USA/VU12-13-136/2013/G12P[8]	KT919959	KT919957	KT919958	KT919954	KT919955	KT919956	KT919949	KT919950	KT919951	KT919952	KT919953
RVA/Human-wt/USA/VU12-13-137/2013/G12P[8]	KT918880	KT918878	KT918879	KT918875	KT918876	KT918877	KT918870	KT918871	KT918872	KT918873	KT918874
RVA/Human-wt/USA/VU12-13-138/2013/G12P[8]	KT919651	KT919649	KT919650	KT919646	KT919647	KT919648	KT919641	KT919642	KT919643	KT919644	KT919645
RVA/Human-wt/USA/VU12-13-139/2013/G12P[8]	KT918979	KT918977	KT918978	KT918974	KT918975	KT918976	KT918969	KT918970	KT918971	KT918972	KT918973
RVA/Human-wt/USA/VU12-13-141/2013/G12P[8]	KT918715	KT918713	KT918714	KT918710	KT918711	KT918712	KT918705	KT918706	KT918707	KT918708	KT918709
RVA/Human-wt/USA/VU12-13-142/2013/G12P[8]	KT918660	KT918658	KT918659	KT918655	KT918656	KT918657	KT918650	KT918651	KT918652	KT918653	KT918654
RVA/Human-wt/USA/VU12-13-143/2013/G12P[8]	KT919519	KT919517	KT919518	KT919514	KT919515	KT919516	KT919509	KT919510	KT919511	KT919512	KT919513
RVA/Human-wt/USA/VU12-13-144/2013/G12P[8]	KT919629	KT919627	KT919628	KT919624	KT919625	KT919626	KT919619	KT919620	KT919621	KT919622	KT919623
RVA/Human-wt/USA/VU12-13-145/2013/G2P[4]	KT918451	KT918449	KT918450	KT918446	KT918447	KT918448	KT918441	KT918442	KT918443	KT918444	KT918445
RVA/Human-wt/USA/VU12-13-146/2013/G12P[8]	KT919276	KT919274	KT919275	KT919271	KT919272	KT919273	KT919266	KT919267	KT919268	KT919269	KT919270
RVA/Human-wt/USA/VU12-13-147/2013/G12P[8]	KT919915	KT919913	KT919914	KT919910	KT919911	KT919912	KT919905	KT919906	KT919907	KT919908	KT919909
RVA/Human-wt/USA/VU12-13-148/2013/G12P[8]	KT919893	KT919891	KT919892	KT919888	KT919889	KT919890	KT919883	KT919884	KT919885	KT919886	KT919887
RVA/Human-wt/USA/VU12-13-149/2013/G12P[8]	KT919045	KT919043	KT919044	KT919040	KT919041	KT919042	KT919035	KT919036	KT919037	KT919038	KT919039
RVA/Human-wt/USA/VU12-13-150/2013/G12P[8]	KT919243	KT919241	KT919242	KT919238	KT919239	KT919240	KT919233	KT919234	KT919235	KT919236	KT919237
RVA/Human-wt/USA/VU12-13-151/2013/G12P[8]	KT919056	KT919054	KT919055	KT919051	KT919052	KT919053	KT919046	KT919047	KT919048	KT919049	KT919050
RVA/Human-wt/USA/VU12-13-152/2013/G12P[8]	KT919210	KT919208	KT919209	KT919205	KT919206	KT919207	KT919200	KT919201	KT919202	KT919203	KT919204
RVA/Human-wt/USA/VU12-13-153/2013/G12P[8]	KT919419	KT919417	KT919418	KT919414	KT919415	KT919416	KT919409	KT919410	KT919411	KT919412	KT919413
RVA/Human-wt/USA/VU12-13-162/2013/G1P[8]	KT919122	KT919120	KT919121	KT919117	KT919118	KT919119	KT919112	KT919113	KT919114	KT919115	KT919116
RVA/Human-wt/USA/VU12-13-176/2013/G1G6P[8]	KT919452	KT919450	KT919451	KT919447	KT919448	KT919449	KT919442	KT919443	KT919444	KT919445	KT919446
RVA/Human-wt/USA/VU12-13-180/2013/G12P[8]	KT918517	KT918515	KT918516	KT918512	KT918513	KT918514	KT918507	KT918508	KT918509	KT918510	KT918511
RVA/Human-wt/USA/VU12-13-182/2013/G12P[8]	KT919100	KT919098	KT919099	KT919095	KT919096	KT919097	KT919090	KT919091	KT919092	KT919093	KT919094
RVA/Human-wt/USA/VU12-13-183/2013/G12P[8]	KT919199	KT919197	KT919198	KT919194	KT919195	KT919196	KT919189	KT919190	KT919191	KT919192	KT919193
RVA/Human-wt/USA/VU12-13-196/2013/G12P[8]	KT919287	KT919285	KT919286	KT919282	KT919283	KT919284	KT919277	KT919278	KT919279	KT919280	KT919281
RVA/Human-wt/USA/VU12-13-197/2013/G12P[8]	KT919585	KT919583	KT919584	KT919580	KT919581	KT919582	KT919575	KT919576	KT919577	KT919578	KT919579
RVA/Human-wt/USA/VU12-13-198/2013/G12P[8]	KT919111	KT919109	KT919110	KT919106	KT919107	KT919108	KT919101	KT919102	KT919103	KT919104	KT919105
RVA/Human-wt/USA/VU12-13-199/2013/G12P[8]	KT918957	KT918955	KT918956	KT918952	KT918953	KT918954	KT918947	KT918948	KT918949	KT918950	KT918951
RVA/Human-wt/USA/VU12-13-200/2013/G12P[8]	KT919133	KT919131	KT919132	KT919128	KT919129	KT919130	KT919123	KT919124	KT919125	KT919126	KT919127
RVA/Human-wt/USA/VU12-13-201/2013/G12P[8]	KT919089	KT919087	KT919088	KT919084	KT919085	KT919086	KT919079	KT919080	KT919081	KT919082	KT919083
RVA/Human-wt/USA/VU12-13-202/2013/G12P[8]	KT919441	KT919439	KT919440	KT919436	KT919437	KT919438	KT919431	KT919432	KT919433	KT919434	KT919435
RVA/Human-wt/USA/VU12-13-203/2013/G12P[8]	KT918550	KT918548	KT918549	KT918545	KT918546	KT918547	KT918540	KT918541	KT918542	KT918543	KT918544
RVA/Human-wt/USA/VU12-13-204/2013/G12P[8]	KT918726	KT918724	KT918725	KT918721	KT918722	KT918723	KT918716	KT918717	KT918718	KT918719	KT918720
RVA/Human-wt/USA/VU12-13-205/2013/G12P[8]	KT918858	KT918856	KT918857	KT918853	KT918854	KT918855	KT918848	KT918849	KT918850	KT918851	KT918852

B. Sequences from previous studies

	Encoded protein (genome segment)										
Strain name	VP7 (9)	VP4 (4)	VP6 (6)	VP1 (1)	VP2 (2)	VP3 (3)	NSP1 (5)	NSP2 (8)	NSP3 (7)	NSP4 (10)	NSP5/6 (11)
RVA/human-wt/USA/VU05-06-2/2005/G1P[8]	JF490561	JF490564	JF490563	JF490556	JF490566	JF490565	JF490558	JF490557	JF490562	JF490560	JF490559
RVA/human-wt/USA/VU05-06-9/2005/G1P[8]	JF490577	JF490573	JF490572	JF490567	JF490576	JF490575	JF490574	JF490568	JF490571	JF490570	JF490569
RVA/human-wt/USA/VU05-06-13/2005/G1P[8]	JF490582	JF490585	JF490584	JF490578	JF490588	JF490587	JF490586	JF490579	JF490583	JF490581	JF490580
RVA/human-wt/USA/VU05-06-15/2005/G1P[8]	JF490599	JF490595	JF490594	JF490589	JF490598	JF490597	JF490596	JF490590	JF490593	JF490592	JF490591
RVA/human-wt/USA/VU05-06-16/2005/G1P[8]	JF490608	JF490606	JF490605	JF490600	JF490610	JF490609	JF490607	JF490601	JF490604	JF490603	JF490602
RVA/human-wt/USA/VU05-06-17/2005/G1P[8]	JF490619	JF490616	JF490615	JF490611	JF490620	JF490621	JF490618	JF490617	JF490614	JF490613	JF490612
RVA/human-wt/USA/VU05-06-19/2005/G1P[8]	JF490627	JF490630	JF490629	JF490622	JF490632	JF490631	JF490624	JF490623	JF490628	JF490626	JF490625
RVA/human-wt/USA/VU05-06-20/2005/G1P[8]	JF490638	JF490641	JF490640	JF490633	JF490643	JF490642	JF490635	JF490634	JF490639	JF490637	JF490636
RVA/human-wt/USA/VU05-06-23/2005/G1P[8]	JF490648	JF490651	JF490650	JF490644	JF490653	JF490652	JF490654	JF490645	JF490649	JF490647	JF490646
RVA/human-wt/USA/VU05-06-26/2005/G1P[8]	JF490659	JF490663	JF490661	JF490655	JF490665	JF490664	JF490662	JF490656	JF490660	JF490658	JF490657
RVA/human-wt/USA/VU05-06-27/2005/G1P[8]	JF490671	JF490674	JF490673	JF490666	JF490676	JF490675	JF490668	JF490667	JF490672	JF490670	JF490669
RVA/human-wt/USA/VU05-06-28/2005/G1P[8]	JF490682	JF490685	JF490684	JF490677	JF490687	JF490686	JF490679	JF490678	JF490683	JF490681	JF490680
RVA/human-wt/USA/VU05-06-33/2005/G1P[8]	JF490691	JF490694	JF490693	JF490697	JF490696	JF490695	JF490698	JF490688	JF490692	JF490690	JF490689
RVA/human-wt/USA/VU05-06-40/2005/G1P[8]	JF490707	JF490702	JF490704	JF490699	JF490700	JF490701	JF490703	JF490706	JF490705	JF490708	JF490709
RVA/human-wt/USA/VU05-06-43/2005/G1P[8]	JF490717	JF490718	JF490714	JF490715	JF490720	JF490719	JF490716	JF490710	JF490713	JF490712	JF490711
RVA/human-wt/USA/VU05-06-46/2005/G1P[8]	JF490726	JF490729	JF490728	JF490721	JF490731	JF490730	JF490723	JF490722	JF490727	JF490725	JF490724
RVA/human-wt/USA/VU05-06-47/2005/G1P[8]	JF490737	JF490740	JF490739	JF490732	JF490742	JF490741	JF490734	JF490733	JF490738	JF490736	JF490735
RVA/human-wt/USA/VU05-06-48/2005/G1P[8]	JF490747	JF490750	JF490749	JF490743	JF490751	JF490753	JF490752	JF490744	JF490748	JF490746	JF490745
RVA/human-wt/USA/VU05-06-57/2005/G1P[8]	JF490762	JF490756	JF490764	JF490754	JF490758	JF490757	JF490760	JF490759	JF490755	JF490763	JF490761
RVA/human-wt/USA/VU05-06-59/2005/G1P[8]	JF490768	JF490770	JF490774	JF490772	JF490771	JF490775	JF490773	JF490765	JF490769	JF490767	JF490766
RVA/human-wt/USA/VU05-06-62/2005/G1P[8]	JF490784	JF490782	JF490781	JF490776	JF490786	JF490785	JF490783	JF490777	JF490780	JF490779	JF490778
RVA/human-wt/USA/VU05-06-67/2005/G1P[8]	JF490792	JF490797	JF490794	JF490787	JF490796	JF490795	JF490789	JF490788	JF490793	JF490791	JF490790
RVA/human-wt/USA/VU05-06-69/2005/G1P[8]	JF490803	JF490806	JF490805	JF490798	JF490808	JF490807	JF490800	JF490799	JF490804	JF490802	JF490801

RVA/human-wt/USA/VU05-06-70/2005/G1P[8]	JF490812	JF490815	JF490814	JF490817	JF490816	JF490819	JF490818	JF490809	JF490813	JF490811	JF490810
RVA/human-wt/USA/VU05-06-72/2005/G12P[8]	JF790296	JF790298	JF790293	JF790288	JF790295	JF790294	JF790297	JF790289	JF790292	JF790291	JF790290
RVA/human-wt/USA/VU05-06-73/2005/G1P[8]	JF490824	JF490827	JF490826	JF490820	JF490829	JF490828	JF490830	JF490821	JF490825	JF490823	JF490822
RVA/human-wt/USA/VU05-06-74/2005/G12P[8]	JF790307	JF790309	JF790304	JF790299	JF790306	JF790305	JF790308	JF790300	JF790303	JF790302	JF790301
RVA/human-wt/USA/VU05-06-76/2005/G1P[8]	JF490836	JF490839	JF490838	JF490831	JF490841	JF490840	JF490833	JF490832	JF490837	JF490835	JF490834
RVA/human-wt/USA/VU06-07-1/2006/G1P[8]	JF490883	JF490882	JF490881	JF490875	JF490885	JF490884	JF490877	JF490876	JF490880	JF490879	JF490878
RVA/human-wt/USA/VU06-07-7/2006/G1P[8]	JF490896	JF490894	JF490893	JF490886	JF490896	JF490895	JF490888	JF490887	JF490891	JF490890	JF490889
RVA/human-wt/USA/VU06-07-10/2006/G1P[8]	JF490905	JF490904	JF490903	JF490897	JF490906	JF490907	JF490899	JF490898	JF490902	JF490901	JF490900
RVA/human-wt/USA/VU06-07-21/2006/G3P[8]	JF490913	JF490916	JF490915	JF490908	JF490918	JF490917	JF490910	JF490909	JF490914	JF490912	JF490911
RVA/human-wt/USA/VU06-07-27/2006/G1P[8]	JF490923	JF490926	JF490925	JF490919	JF490928	JF490927	JF490929	JF490920	JF490924	JF490922	JF490921
RVA/human-wt/USA/VU06-07-29/2006/G1P[8]	JF490847	JF490850	JF490849	JF490842	JF490852	JF490851	JF490844	JF490843	JF490848	JF490846	JF490845
RVA/human-wt/USA/VU06-07-30/2006/G1P[8]	JF490857	JF490861	JF490859	JF490860	JF490863	JF490862	JF490854	JF490853	JF490858	JF490856	JF490855
RVA/human-wt/USA/VU06-07-31/2006/G1P[8]	JF490869	JF490872	JF490871	JF490864	JF490874	JF490873	JF490866	JF490865	JF490870	JF490868	JF490867
RVA/human-wt/USA/VU06-07-32/2006/G1P[8]	JF490935	JF490938	JF490937	JF490930	JF490940	JF490939	JF490932	JF490931	JF490936	JF490934	JF490933
RVA/human-wt/USA/VU06-07-33/2006/G1P[8]	JF490946	JF490950	JF490948	JF490941	JF490949	JF490951	JF490943	JF490942	JF490947	JF490945	JF490944
RVA/human-wt/USA/VU06-07-35/2006/G1P[8]	JF490960	JF490957	JF490956	JF490958	JF490962	JF490961	JF490959	JF490952	JF490955	JF490954	JF490953
RVA/human-wt/USA/VU08-09-5/2008/G3P[8]	JF490968	JF490971	JF490970	JF490963	JF490973	JF490972	JF490965	JF490964	JF490969	JF490967	JF490966
RVA/human-wt/USA/VU08-09-6/2008/G12P[8]	JF490979	JF490982	JF490981	JF490974	JF490983	JF490984	JF490976	JF490975	JF490980	JF490978	JF490977
RVA/human-wt/USA/VU08-09-7/2008/G3P[8]	JF490990	JF490993	JF490992	JF490985	JF490995	JF490994	JF490987	JF490986	JF490991	JF490989	JF490988
RVA/human-wt/USA/VU08-09-9/2008/G3P[8]	JF491001	JF491004	JF491003	JF490996	JF491006	JF491005	JF490998	JF490997	JF491002	JF491000	JF490999
RVA/human-wt/USA/VU08-09-12/2008/G3P[8]	JF491012	JF491015	JF491014	JF491007	JF491017	JF491016	JF491009	JF491008	JF491013	JF491011	JF491010
RVA/human-wt/USA/VU08-09-16/2008/G3P[8]	JF790316	JF790317	JF790314	JF790315	JF790319	JF790318	JF790320	JF790310	JF790313	JF790312	JF790311
RVA/human-wt/USA/VU08-09-17/2008/G3P[8]	JF491025	JF491023	JF491022	JF491024	JF491028	JF491026	JF491027	JF491018	JF491021	JF491020	JF491019
RVA/human-wt/USA/VU08-09-19/2008/G3P[8]	JF491039	JF491035	JF491034	JF491038	JF491037	JF491036	JF491030	JF491029	JF491033	JF491032	JF491031
RVA/human-wt/USA/VU08-09-20/2008/G3P[8]	JF790331	JF790327	JF790325	JF790326	JF790330	JF790328	JF790329	JF790321	JF790324	JF790323	JF790322
RVA/human-wt/USA/VU08-09-21/2008/G3P[8]	JF491047	JF491048	JF491044	JF491046	JF491045	JF491049	JF491050	JF491040	JF491043	JF491042	JF491041
RVA/human-wt/USA/VU08-09-22/2008/G3P[8]	JF491055	JF491058	JF491057	JF491060	JF491061	JF491059	JF491052	JF491051	JF491056	JF491054	JF491053
RVA/human-wt/USA/VU08-09-24/2008/G3P[8]	JF491066	JF491069	JF491068	JF491071	JF491072	JF491070	JF491063	JF491062	JF491067	JF491065	JF491064
RVA/human-wt/USA/VU08-09-25/2008/G3P[8]	JF491077	JF491080	JF491079	JF491083	JF491082	JF491081	JF491074	JF491073	JF491078	JF491076	JF491075
RVA/human-wt/USA/VU08-09-26/2008/G3P[8]	JF491089	JF491092	JF491091	JF491084	JF491094	JF491093	JF491086	JF491085	JF491090	JF491088	JF491087
RVA/human-wt/USA/VU08-09-27/2008/G3P[8]	JF790342	JF790335	JF790334	JF790332	JF790337	JF790336	JF790339	JF790338	JF790341	JF790340	JF790333
RVA/human-wt/USA/VU08-09-28/2008/G3P[8]	JF491105	JF491101	JF491100	JF491095	JF491103	JF491102	JF491104	JF491096	JF491099	JF491098	JF491097
RVA/human-wt/USA/VU08-09-29/2008/G3P[8]	JF491115	JF491111	JF491116	JF491114	JF491113	JF491112	JF491107	JF491106	JF491110	JF491109	JF491108
RVA/human-wt/USA/VU08-09-30/2008/G3P[8]	JF491122	JF491125	JF491124	JF491117	JF491127	JF491126	JF491119	JF491118	JF491123	JF491121	JF491120
RVA/human-wt/USA/VU08-09-39/2008/G12P[8]	JF790346	JF790352	JF790348	JF790349	JF790350	JF790351	JF790353	JF790343	JF790347	JF790345	JF790344
RVA/Human-wt/USA/VU10-11-2/2011/G2P[4]	KF716314	KF716326	KF716338	KF716350	KF716362	KF716374	KF716386	KF716398	KF716410	KF716422	KF716434
RVA/Human-wt/USA/VU10-11-5/2011/G2P[4]	KF716318	KF716330	KF716342	KF716354	KF716366	KF716378	KF716390	KF716402	KF716414	KF716426	KF716438
RVA/Human-wt/USA/VU10-11-6/2011/G2P[4]	KF716321	KF716333	KF716345	KF716357	KF716369	KF716381	KF716393	KF716405	KF716417	KF716429	KF716441
RVA/Human-wt/USA/VU10-11-8/2011/G2P[4]	KF716316	KF716328	KF716340	KF716352	KF716364	KF716376	KF716388	KF716400	KF716412	KF716424	KF716436
RVA/Human-wt/USA/VU10-11-9/2011/G2P[4]	KF716322	KF716334	KF716346	KF716358	KF716370	KF716382	KF716394	KF716406	KF716418	KF716430	KF716442
RVA/Human-wt/USA/VU10-11-10/2011/G2P[4]	KF716315	KF716327	KF716339	KF716351	KF716363	KF716375	KF716387	KF716399	KF716411	KF716423	KF716435
RVA/Human-wt/USA/VU10-11-11/2011/G2P[4]	KF716319	KF716331	KF716343	KF716355	KF716367	KF716379	KF716391	KF716403	KF716415	KF716427	KF716439
RVA/Human-wt/USA/VU10-11-19/2011/G2P[4]	KF716324	KF716336	KF716348	KF716360	KF716372	KF716384	KF716396	KF716408	KF716420	KF716432	KF716444
RVA/Human-wt/USA/VU10-11-20/2011/G2P[4]	KF716323	KF716335	KF716347	KF716359	KF716371	KF716383	KF716395	KF716407	KF716419	KF716431	KF716443
RVA/Human-wt/USA/VU10-11-21/2011/G2P[4]	KF716313	KF716325	KF716337	KF716349	KF716361	KF716373	KF716385	KF716397	KF716409	KF716421	KF716433
RVA/Human-wt/USA/VU10-11-22/2011/G2P[4]	KF716320	KF716332	KF716344	KF716356	KF716368	KF716380	KF716392	KF716404	KF716416	KF716428	KF716440
RVA/Human-wt/USA/VU10-11-24/2011/G2P[4]	KF716317	KF716329	KF716341	KF716353	KF716365	KF716377	KF716389	KF716401	KF716413	KF716425	KF716437

Table S2. Complete allele-based genome constellations for VUMC NVSN rotaviruses 2005-2013

	G(VP7)	[P](VP4)	VP6	VP1	VP2	VP3	NSP1	NSP2	NSP3	NSP4	NSP5
VU05-06-2	G1	P[8]									
VU05-06-13	G1	P[8]									
VU05-06-19	G1	P[8]									
VU05-06-20	G1	P[8]									
VU05-06-23	G1	P[8]									
VU05-06-28	G1	P[8]									
VU05-06-33	G1	P[8]									
VU05-06-40	G1	P[8]									
VU05-06-48	G1	P[8]									
VU05-06-59	G1	P[8]									
VU05-06-67	G1	P[8]									
VU05-06-70	G1	P[8]									
VU05-06-73	G1	P[8]									
VU05-06-9	G1	P[8]									
VU05-06-46	G1	P[8]									
VU05-06-57	G1	P[8]									
VU05-06-17	G1	P[8]									
VU05-06-47	G1	P[8]									
VU05-06-16	G1	P[8]									
VU05-06-62	G1	P[8]									
VU05-06-15	G1	P[8]									
VU06-07-1	G1	P[8]									
VU06-07-10	G1	P[8]									
VU05-06-69	G1	P[8]									
VU06-07-7	G1	P[8]									
VU06-07-35	G1	P[8]									
VU06-07-29	G1	P[8]									
VU05-06-43	G1	P[8]									
VU06-07-30	G1	P[8]									
VU05-06-76	G1	P[8]									
VU06-07-31	G1	P[8]									
VU06-07-33	G1	P[8]									
VU05-06-26	G1	P[8]									
VU05-06-27	G1	P[8]									
VU06-07-32	G1	P[8]									
VU12-13-162	G1	P[8]									
VU06-07-27	G1	P[8]									
VU06-07-21	G3	P[8]									
VU08-09-24	G3	P[8]									
VU08-09-5	G3	P[8]									
VU08-09-7	G3	P[8]									
VU08-09-9	G3	P[8]									
VU08-09-12	G3	P[8]									
VU08-09-16	G3	P[8]									
VU08-09-17	G3	P[8]									
VU08-09-19	G3	P[8]									
VU08-09-20	G3	P[8]									
VU08-09-21	G3	P[8]									
VU08-09-25	G3	P[8]									
VU08-09-26	G3	P[8]									
VU08-09-27	G3	P[8]									
VU08-09-28	G3	P[8]									
VU08-09-29	G3	P[8]									
VU08-09-30	G3	P[8]									
VU12-13-101	G9	P[8]									
VU11-12-60	G3	P[8]									
VU08-09-22	G3	P[8]									

	G(VP7)	[P](VP4)	VP6	VP1	VP2	VP3	NSP1	NSP2	NSP3	NSP4	NSP5
VU05-06-74	G12	P[8]									
VU05-06-72	G12	P[8]									
VU08-09-6	G12	P[8]									
VU12-13-95	G12	P[8]									
VU11-12-54	G12	P[8]									
VU11-12-59	G12	P[8]									
VU11-12-64	G12	P[8]									
VU11-12-65	G12	P[8]									
VU11-12-66	G12	P[8]									
VU11-12-68	G12	P[8]									
VU11-12-69	G12	P[8]									
VU11-12-192	G12	P[8]									
VU12-13-3	G12	P[8]									
VU12-13-28	G12	P[8]									
VU12-13-29	G12	P[8]									
VU12-13-34	G12	P[8]									
VU12-13-40	G12	P[8]									
VU12-13-77	G12	P[8]									
VU12-13-79	G12	P[8]									
VU12-13-80	G12	P[8]									
VU12-13-81	G12	P[8]									
VU12-13-82	G12	P[8]									
VU12-13-83	G12	P[8]									
VU12-13-84	G12	P[8]									
VU12-13-91	G12	P[8]									
VU12-13-102	G12	P[8]									
VU12-13-106	G12	P[8]									
VU12-13-109	G12	P[8]									
VU12-13-110	G12	P[8]									
VU12-13-111	G12	P[8]									
VU12-13-119	G12	P[8]									
VU12-13-120	G12	P[8]									
VU12-13-121	G12	P[8]									
VU12-13-141	G12	P[8]									
VU12-13-143	G12	P[8]									
VU12-13-199	G12	P[8]									
VU12-13-180	G12	P[8]									
VU12-13-149	G12	P[8]									
VU08-09-39	G12	P[8]									
VU12-13-198	G12	P[8]									
VU12-13-200	G12	P[8]									
VU11-12-58	G12	P[8]									
VU11-12-71	G12	P[8]									
VU12-13-4	G12	P[8]									
VU12-13-31	G12	P[8]									
VU12-13-32	G12	P[8]									
VU12-13-41	G12	P[8]									
VU12-13-36	G12	P[8]									
VU12-13-39	G12	P[8]									
VU12-13-88	G12	P[8]									
VU12-13-113	G12	P[8]									
VU12-13-115	G12	P[8]									
VU12-13-118	G12	P[8]									
VU12-13-144	G12	P[8]									
VU12-13-125	G12	P[8]									
VU12-13-127	G12	P[8]									
VU12-13-131	G12	P[8]									
VU12-13-137	G12	P[8]									

	G(VP7)	[P](VP4)	VP6	VP1	VP2	VP3	NSP1	NSP2	NSP3	NSP4	NSP5
VU12-13-146	G12	P[8]									
VU12-13-148	G12	P[8]									
VU12-13-151	G12	P[8]									
VU12-13-152	G12	P[8]									
VU12-13-153	G12	P[8]									
VU12-13-203	G12	P[8]									
VU11-12-62	G12	P[8]									
VU11-12-67	G12	P[8]									
VU11-12-70	G12	P[8]									
VU11-12-194	G12	P[8]									
VU11-12-195	G12	P[8]									
VU12-13-6	G12	P[8]									
VU12-13-7	G12	P[8]									
VU12-13-8	G12	P[8]									
VU12-13-9	G12	P[8]									
VU12-13-10	G12	P[8]									
VU12-13-11	G12	P[8]									
VU12-13-12	G12	P[8]									
VU12-13-13	G12	P[8]									
VU12-13-15	G12	P[8]									
VU12-13-16	G12	P[8]									
VU12-13-18	G12	P[8]									
VU12-13-20	G12	P[8]									
VU12-13-21	G12	P[8]									
VU12-13-22	G12	P[8]									
VU12-13-23	G12	P[8]									
VU12-13-24	G12	P[8]									
VU12-13-25	G12	P[8]									
VU12-13-33	G12	P[8]									
VU12-13-35	G12	P[8]									
VU12-13-37	G12	P[8]									
VU12-13-38	G12	P[8]									
VU12-13-73	G12	P[8]									
VU12-13-74	G12	P[8]									
VU12-13-75	G12	P[8]									
VU12-13-76	G12	P[8]									
VU12-13-78	G12	P[8]									
VU12-13-85	G12	P[8]									
VU12-13-86	G12	P[8]									
VU12-13-87	G12	P[8]									
VU12-13-89	G12	P[8]									
VU12-13-90	G12	P[8]									
VU12-13-93	G12	P[8]									
VU12-13-94	G12	P[8]									
VU12-13-96	G12	P[8]									
VU12-13-97	G12	P[8]									
VU12-13-98	G12	P[8]									
VU12-13-99	G12	P[8]									
VU12-13-100	G12	P[8]									
VU12-13-103	G12	P[8]									
VU12-13-104	G12	P[8]									
VU12-13-105	G12	P[8]									
VU12-13-107	G12	P[8]									
VU12-13-108	G12	P[8]									
VU12-13-112	G12	P[8]									
VU12-13-114	G12	P[8]									
VU12-13-116	G12	P[8]									
VU12-13-117	G12	P[8]									

	G(VP7)	[P](VP4)	VP6	VP1	VP2	VP3	NSP1	NSP2	NSP3	NSP4	NSP5
VU12-13-142	G12	P[8]									
VU12-13-122	G12	P[8]									
VU12-13-123	G12	P[8]									
VU12-13-124	G12	P[8]									
VU12-13-126	G12	P[8]									
VU12-13-128	G12	P[8]									
VU12-13-129	G12	P[8]									
VU12-13-132	G12	P[8]									
VU12-13-133	G12	P[8]									
VU12-13-134	G12	P[8]									
VU12-13-135	G12	P[8]									
VU12-13-136	G12	P[8]									
VU12-13-138	G12	P[8]									
VU12-13-139	G12	P[8]									
VU12-13-147	G12	P[8]									
VU12-13-150	G12	P[8]									
VU12-13-182	G12	P[8]									
VU12-13-183	G12	P[8]									
VU12-13-196	G12	P[8]									
VU12-13-197	G12	P[8]									
VU12-13-201	G12	P[8]									
VU12-13-202	G12	P[8]									
VU12-13-204	G12	P[8]									
VU12-13-205	G12	P[8]									
VU10-11-5	G2	P[4]									
VU10-11-6	G2	P[4]									
VU10-11-8	G2	P[4]									
VU10-11-22	G2	P[4]									
VU10-11-24	G2	P[4]									
VU10-11-11	G2	P[4]									
VU10-11-9	G2	P[4]									
VU10-11-20	G2	P[4]									
VU10-11-19	G2	P[4]									
VU10-11-2	G2	P[4]									
VU10-11-10	G2	P[4]									
VU10-11-21	G2	P[4]									
VU12-13-145	G2	P[4]									
VU12-13-26	G2	P[4]									
VU12-13-176	G1,G6	P[8]									