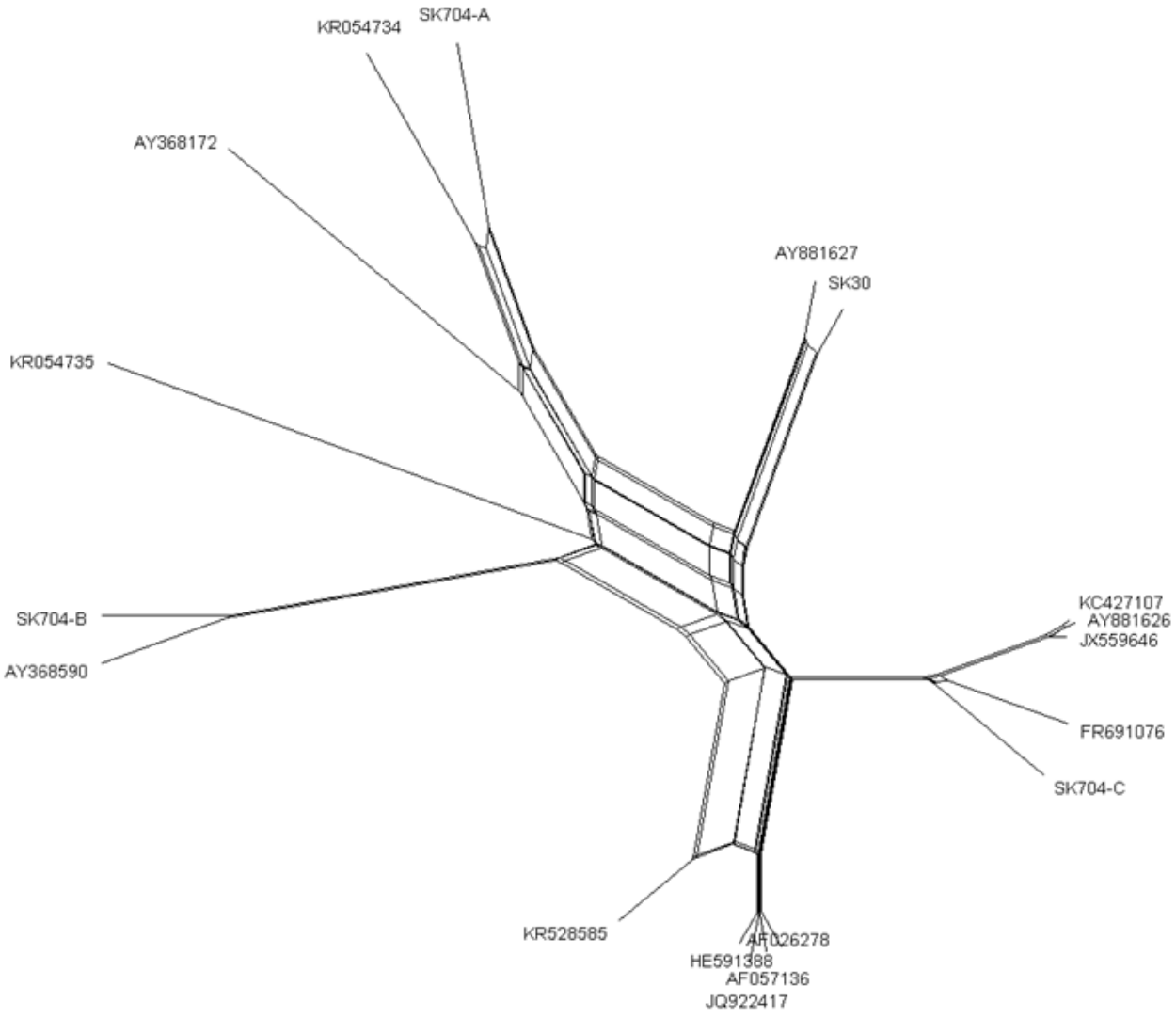
SUPPLEMENTARY MATERIAL

Supplementary Fig. 1. Split decomposition network of the GRSPaV population for which the complete genome sequences are available.



Supplementary Table 1. Primers used for PCR amplification and sequencing of the overlapping fragments covering the SK30 genome

primer	orientation	Sequence (5´→ 3´)	primer position
GRSPaV-1-s[1]	+	GATAAACATAACAACAGAAT	1-20
GRSPaV-1357-as	-	TGCTCAAAGAAATCAGGAGT	1357-1376
GRSPaV-1303-s	+	TCATTTGTGTACTCACTTGA	1303-1322
GRSPaV-2744-as	-	TCGGTCAAGCTTTTCATGAT	2744-2763
GRSPaV-2633-s	+	TCCATGGGGTTTCCAATTGT	2633-2652
GRSPaV-4123-as	-	CCAGCCCCAAATGTACCAAG	4123-4142
GRSPaV-4027-s	+	ACTGGCGTTATAAGTGATGA	4027-4046
GRSPaV-5638-as	-	ACATCTAACAGCCAATCCCT	5638-5657
GRSPaV-5443-s	+	AAGCCTCAGGTTGAAGCTGC	5443-5462
GRSPaV-7244-as	-	GCAGGCTGCTGAAAAGGCAT	7244-7263
Rup_6288F	+	CCACATTYTGYGGATGGTG	6269-6287
Rup_6948R	-	TTAGCACCAAACCTRCARG	6929-6947
GRSPaV-6664-s	+	CCTGGTAGTGGTAAAAGTAG	6664-6683
GRSPaV-8436-as	-	GCCATAGCTTGTCTGAGCAC	8436-8455
GRSPaV-8342-s	+	CACAGATGAGAGTGCGCTTG	8342-8361
Oligo dT	-	$T_{21}V$	poly A tail

[1]As the sequence of the first 33 nucleotides of the available full GRSPaV sequences is nearly identical, a primer corresponding to the first 20 nucleotides of this conserved region was used as the 5´primer for cDNA amplification of this part of genome

Supplementary Table 2. Primers used for (a) PCR amplification and sequencing of the 5´ and 3´sequence of SK704 variants, (B) amplification of the most divergent part of the GRSPaV genome of SK704 variants

primer	orientation	Sequence (5´→ 3´)	primer position
(a)			
GRSPaV-1-s	+	GATAAACATAACAACAGAAT	1-20
Rup461R-1	-	CCATACCTGCTAACATCACG	442-461
Rup230R-2	-	GATATTAGCCTTTCCTTGCAC	210-230
Rup1205R-3	-	TCAATAGGGAACCACTCCGC	1185-1204
Rup8349F	+	AGATGAGAGYGCGCTTGAAC	8345-8364
Rup8551F	+	CTGATAGTTGAAGCAATGC	8552-8570
Oligo dT	-	$T_{21}V$	poly A tail
(b)			
A-Rup1655F	+	AGTGTAAGAATGGCTCTTGGG	1654-1674
A-Rup2226R	-	GGATAAGGCACCTATGGCC	2205-2223
B-Rup1742F	+	TCATACAGGTCAAGGCTGGC	1741-1760
B-Rup2243R	-	ACCCAATCAAAGGGCTTTGG	2221-2240
C-Rup1651F	+	TCAAAGGTTAAGGCTGCGC	1651-1669
C-Rup2239R	-	AATTGAGATCCTCCGGTAGGA	2216-2236