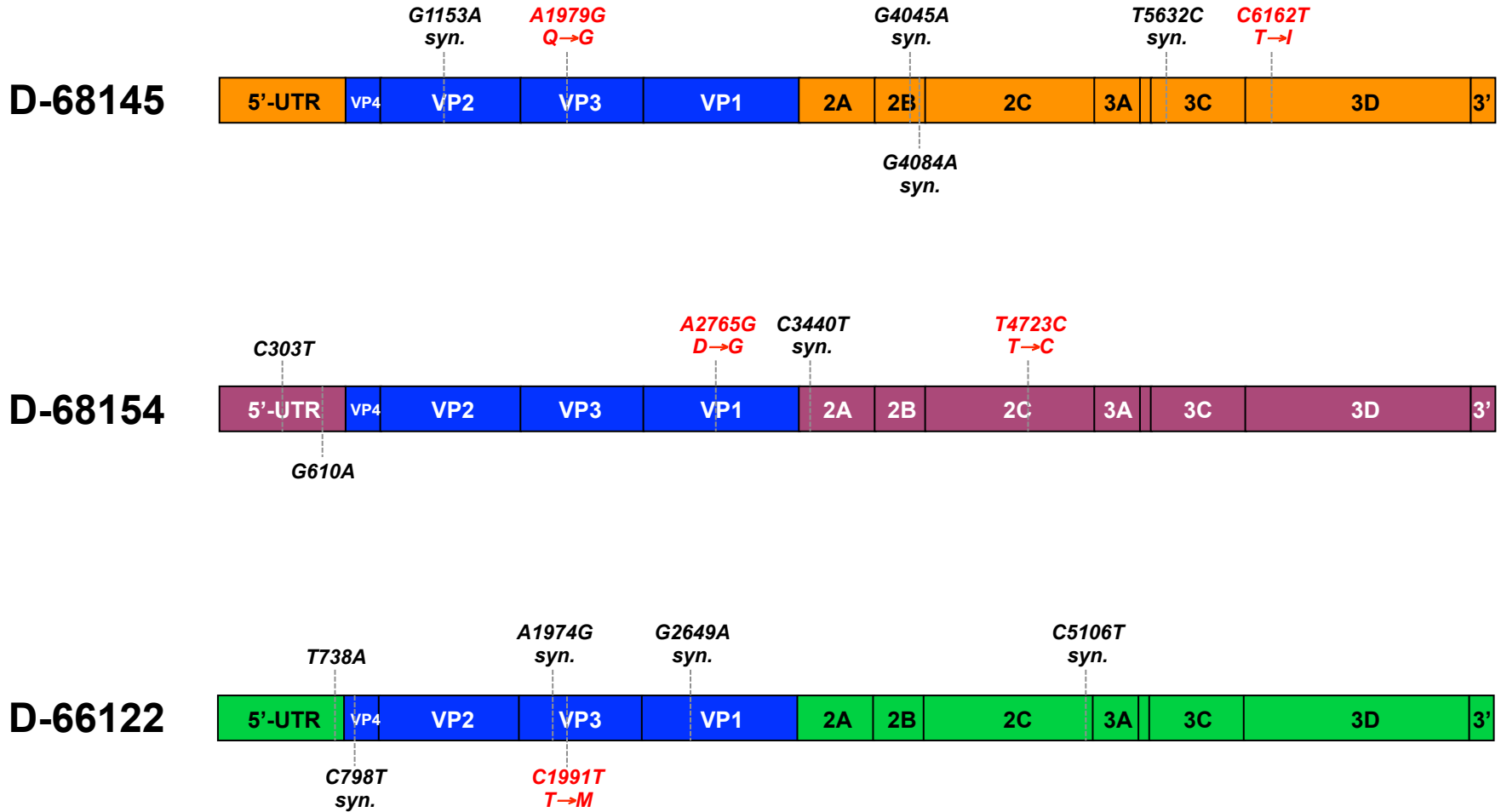


**Exchanges of genomic domains between poliovirus and other cocirculating  
species C enteroviruses reveal a high degree of plasticity**

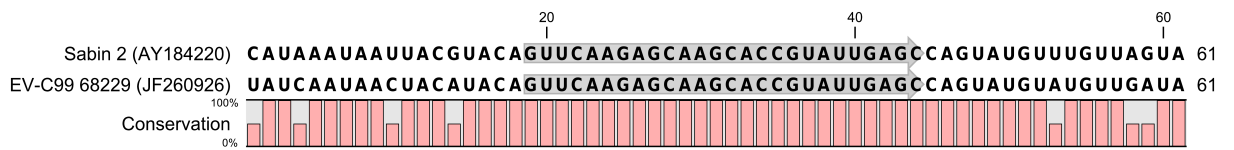
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**Supplementary Information**

**Supplementary Fig. S1. Nucleotide divergences between three viruses recovered from dead or paralyzed mice and the corresponding viruses before inoculation.** The consensus sequences were determined through Sanger sequencing. The non-synonymous divergences are in red. The numbering is according to that of the parental strains.



Supplementary Fig. S2. Alignment of the *cre* minimal domains (highlighted in grey) of Sabin 2 and EV-C99 68229.



Supplementary Table S1. List of the primers used to generate the recombinant genomes.

Genome	Amplicon 1		Amplicon 2		Amplicon 3		Amplicon 4	
	Forward primer	Reverse primer	Forward primer	Reverse primer	Forward primer	Reverse primer	Forward primer	Forward primer
<b>F-68229</b>	Extr5	68229.37.c	S2.048.d	S2.022.c	68229.25.d	68229.27.c	S2.034.d	S3.002.c
<b>E-68229</b>	S2.017.d	S2.022.c	68229.25.d	68229.27.c	S2.034.d	S3.002.c		
<b>D-67001</b>	Extr5	67001.07.c	S2.038.d	S2.018.c	67001.06.d	S3.002.c		
<b>D-68145</b>	Extr5	68145.24.c	S2.047.d	S2.020.c	68145.21.d	S3.002.c		
<b>D-68095</b>	Extr5	68095.18.c	S2.037.d	S2.019.c	68095.17.d	S3.002.c		
<b>D-68229</b>	Extr5	68229.37.c	S2.048.d	S2.022.c	68229.25.d	S3.002.c		
<b>D-68154</b>	Extr5	68154.29.c	S2.036.d	S2.021.c	68154.28.d	S3.002.c		
<b>D-67610</b>	Extr5	67610.23.c	S2.049.d	S2.031.c	67610.20.d	S3.002.c		
<b>D-66122</b>	Extr5	66122.34.c	S2.050.d	S2.030.c	66122.30.d	S3.002.c		
<b>C-67001</b>	Extr5	67001.07.c	S2.038.d	S3.002.c				
<b>C-68145</b>	Extr5	68145.24.c	S2.047.d	S3.002.c				
<b>C-68095</b>	Extr5	68095.18.c	S2.037.d	S3.002.c				
<b>C-68229</b>	Extr5	68229.37.c	S2.048.d	S3.002.c				
<b>C-68154</b>	Extr5	68154.29.c	S2.036.d	S3.002.c				
<b>C-67610</b>	Extr5	67610.23.c	S2.049.d	S3.002.c				
<b>C-66122</b>	Extr5	66122.34.c	S2.050.d	S3.002.c				
<b>B-67001</b>	S2.017.d	S2.025.c	67001.08.d	S3.002.c				
<b>B-68145</b>	S2.017.d	S2.026.c	68145.22.d	S3.002.c				
<b>B-68095</b>	S2.017.d	S2.023.c	68095.19.d	S3.002.c				
<b>B-68229</b>	S2.017.d	S2.028.c	68229.26.d	S3.002.c				
<b>B-68154</b>	S2.017.d	S2.027.c	68154.30.d	S3.002.c				
<b>B-66122</b>	S2.017.d	S2.032.c	66122.31.d	S3.002.c				
<b>A-67001</b>	S2.017.d	S2.018.c	67001.06.d	S3.002.c				
<b>A-68145</b>	S2.017.d	S2.020.c	68145.21.d	S3.002.c				
<b>A-68095</b>	S2.017.d	S2.019.c	68095.17.d	S3.002.c				
<b>A-68229</b>	S2.017.d	S2.022.c	68229.25.d	S3.002.c				
<b>A-68154</b>	S2.017.d	S2.021.c	68154.28.d	S3.002.c				
<b>A-67610</b>	S2.017.d	S2.031.c	67610.20.d	S3.002.c				
<b>A-66122</b>	S2.017.d	S2.030.c	66122.30.d	S3.002.c				

Supplementary Table S2. Sequences of the primers used to generate the recombinant genomes.

Name	5'→3' sequence
66122.30.d	ATTATAAAGATGGGCTCACCCACTACCAGAAAAGGGATTAACGACTTAT
66122.31.d	AGAGAAACAGAAGATCAAACATTGGTAATTGCATGGAAGCTCTATTCCAG
66122.34.c	TTTGAATTTTCGTGGGCTCCAACCTTCTGTGATGAAACTTGGGCGCCCAT
67001.06.d	ATTATAAAGATGGGCTCACCCACTACCAGAAAAGGGATTAACGACTTAT
67001.07.c	TTTGAATTTTCGTGGGCTCCAACCTTCTGTGATGAAACTTGGGCGCCCAT
67001.08.d	AGAGAAACAGAAGATCAAACATTGGTAATTGCATGGAAGCTCTATTCCAG
67610.20.d	ATTATAAAGATGGGCTCACCCACTACCAGAAAAGGGATTAACGACTTAT
67610.23.c	TTTGAATTTTCGTGGGCTCCAACCTTCTGTGATGAAACTTGGGCGCCCAT
68095.17.d	ATTATAAAGATGGGCTCACCCACTACCAGAAAAGGGATTAACGACTTAT
68095.18.c	TTTGAATTTTCGTGGGCTCCAACCTTCTGTGATGAAACTTGGGCGCCCAT
68095.19.d	AGAGAAACAGAAGATCAAACATTGGTAATTGCATGGAAGCTCTATTCCAG
68145.21.d	ATTATAAAGATGGGCTCACCCACTACCAGAAAAGGGATTAACGACTTAT
68145.22.d	AGAGAAACAGAAGATCAAACATTGGTAATTGCATGGAAGCTCTATTCCAG
68145.24.c	TTTGAATTTTCGTGGGCTCCAACCTTCTGTGATGAAACTTGGGCGCCCAT
68154.28.d	ATTATAAAGATGGGCTCACCCACTACCAGAAAAGGGATTAACGACTTAT
68154.29.c	TTTGAATTTTCGTGGGCTCCAACCTTCTGTGATGAAACTTGGGCGCCCAT
68154.30.d	AGAGAAACAGAAGATCAAACATTGGTAATTGCATGGAAGCTCTATTCCAG
68229.25.d	ATTATAAAGATGGGCTCACCCACTACCAGAAAAGGGATTAACGACTTAT
68229.26.d	AGAGAAACAGAAGATCAAACATTGGTAATTGCATGGAAGCTCTATTCCAG
68229.27.c	GGGGACTGGTCTTAACATCTATTTTAGATCTTATACTGCAGTGGTCC
68229.37.c	TTTGAATTTTCGTGGGCTCCAACCTTCTGTGATGAAACTTGGGCGCCCAT
Extr5	GGGTAATACGACTCACTATAGGGTTAAAACAGCTCTGGGGTTGTTC
S2.017.d	GGGTAATACGACTCACTATAGGGTTAAAACAGCTCTGGGGTTGTACC
S2.018.c	ACTATCTTGTACCCTGCCACATATATTGCCTTGTTTTGGTGACCAAACC
S2.019.c	ATTATTTTATACCCTGCCACATATACGGCCTTGCTTTGATGGCCAAAGCC
S2.020.c	ACTATCTTGTACCCTGCCACATATATTGCCTTATTTTGGTGACCAAACC
S2.021.c	CAAATTTTGAAGCCTGCAGTATACACTGCCTTGTTTTGATGTCCAAACC
S2.022.c	ATTATTTTGTAGCCAGCAAGTATACTGCTTGATTCTGATGTCCAAATCC
S2.023.c	GGTGGACTAGTCTTGATATCTATCTTCAGGTCTTTGTAAGTATTGGTCC
S2.025.c	GGTGGGCTAGTCTTGATGTCTATCTTCAGATCCTTGTAAGTATTGGTCC
S2.026.c	GGTGGGCTAGTCTTAATGTCTATTTCAAATCTTATACTGCAGCGGTCC
S2.027.c	GGGGGTGATGCTTTATGTCAATCTTAGGTCTTTGTAAGTATTGGTCC
S2.028.c	GGTGGTGTGGTCTTTATATCTATCTTCAAGTCTTTGTATTGCAATGGGCC
S2.030.c	CAAATTTTGTATCCTGCCGTGTAAGTCTTTGTTTTGGTGTCCAAATCC
S2.031.c	CAGATTTTGAACCTGCGGTGTATACTGCTTTGTTTTGATGTCCAAACC
S2.032.c	GGGGGTGAGGTCTTAATATCTATTTTGAAGTCTTTGTAAGTATTGGTCC
S2.034.d	AAAAGATTAGGAGAGCTAACATTGGAAATTGTATGGAAGCGCTATTCCAA
S2.036.d	CACTCCAAACCTCATTAAGATAGTCTTTTGTATACCACATCATTATCATA
S2.037.d	CACTTTGAAACTCATTGAAATTGTAAGTCTTTGATACCGGATTACTATCACA
S2.038.d	CAGCTTGAATCTCATCAAATTTGATTGTTGATACGACATTATTATCATT
S2.047.d	CAGCTTGAATCTCATCAAAGTTGATTGTTGATACGACATTATTATCACA
S2.048.d	TACACCAGATTTAATTAAGCAGTTTTGTTAATTAGATCTACATACCACA
S2.049.d	CATTGGATTACATACACTTTGCACTTGATTAGTTACGACAGCATCATCACA
S2.050.d	CACACTAAACCTAATTAGAATTACCTTGTTAATTAGACATTATTATCACA
S3.002.c	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTCCGAATTAAGAAAAATTTAC