

Table 2 Volume variation within icosahedral families

Family	Genera	Inner capsid volume CV ^a	Outer capsid volume CV ^a
Single-stranded viruses			
Bromoviridae	2	0.4	0.16
Caliciviridae	4	0.03	0.1
Comoviridae	2	0.11	0.02
Leviviridae	2	0.03	0.04
Parvoviridae	3	0.11	0.48
Picornaviridae	5	0.1	0.84
Tetraviridae	2	0.04	0.06
Tombusviridae	3	0.19	0.2
Average	2.88	0.13	0.24
Double-stranded viruses			
Papillomaviridae	2	0.11	0.06
Partitiviridae	2	0.06	0.01
Podoviridae	4	0.04	0.03
Reoviridae	7	0.4	0.31
Siphoviridae	2	0.49	0.33
Average	3.4	0.22	0.15
Overall average	3.08	0.16	0.2

^aCV coefficient of variation, defined as the ratio of the standard deviation σ to the mean μ