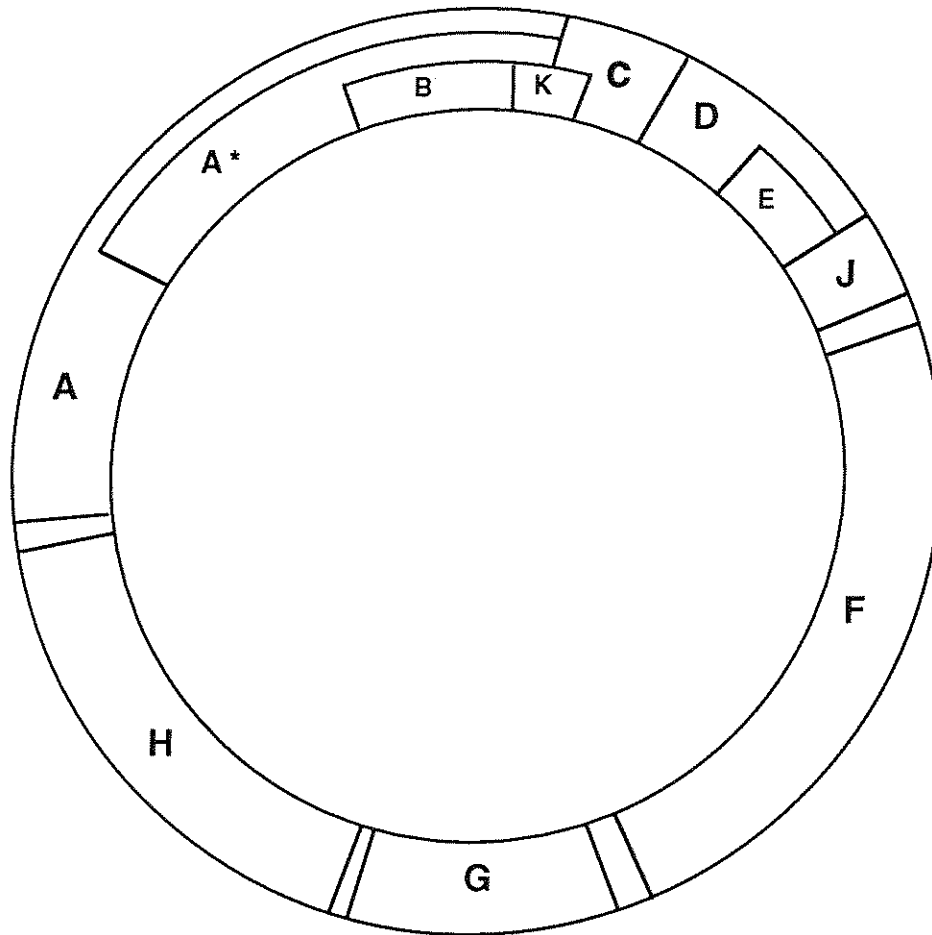


Gene Name/Function	Component		Mol.wt.
	prohead	phage	
A DNA replication	no	no	58,650
A* Host DNA replication shut off	no	no	38,700
B Prohead accessory protein	60	no	13,830
C DNA replication	no	no	10,050
D External scaffolding protein	240	no	16,920
E Lysis	no	no	10,370
F Major coat protein	60	60	48,440
G Major spike protein	60	60	19,020
H Minor spike protein	12	12	34,370
J DNA binding protein	no	60	4,220
K Affects stability of phage, function unknown	no	no	6,380



Microviridae characteristics

ssDNA circular genomes with genetic map pictured above.

Mature virions display T=1 icosahedral symmetry:

- 60 copies of the major coat protein, gpF.
- 60 copies of the spike protein, gpG.
- 60 copies of the DNA binding protein, gpJ.
- 12 copies of the DNA pilot protein, gpH.

Morphogenesis is dependent on two scaffolding proteins found only in the viral procapsid assembly intermediate:

- 60 copies of the internal scaffolding protein, gpB.
- 120 copies of the external scaffolding protein, gpD.