



Fig. 1. *Cucumovirus* genome organization. CMV-Fny, a subgroup I CMV, genomic RNAs 1, 2, and 3, and subgenomic RNA 4 are shown. Genomic segments of other *Cucumovirus* species are of similar sizes. The minor subgenomic segments 4a and 5 are found in some subgroup II CMV isolates, and RNA 6 is found in isolates from both CMV subgroups and PSV. Other subgenomic RNAs have been observed in several PSV isolates. RNAs 1, 2, and 3 are sufficient for establishing systemic infection. A defective RNA (3 β) has been found associated with CMV-Fny, and satellite RNAs have been observed with isolates of CMV and PSV.

(2). In addition, defective RNAs have been found associated with one strain of CMV, which are also packaged (13), and satellite RNAs are often associated with CMV and with PSV (reviewed in ref. 14).

The virions of CMV, TAV, and most strains of PSV are approx 30 nm in diameter, with icosahedral symmetry and a T number of 3 (15). The robinia strain of PSV is reported to have a larger virion, of approx 40 nm (16), although the CP sequence is highly similar to other PSV strains (F. García-Arenal and J.