

HER number

276

Identification

Name

G

Morphotype

A1 (Myophage)

Other designations

Taxonomy

Realm

Duplodnaviria

Kingdom

Heunggongvirae

Phylum

[Uroviricota](#)

Class

Caudoviricetes

Order

Family

Genus

Donellivirus

Species

Donellivirus gee

Images

Electron Micrograph

Image

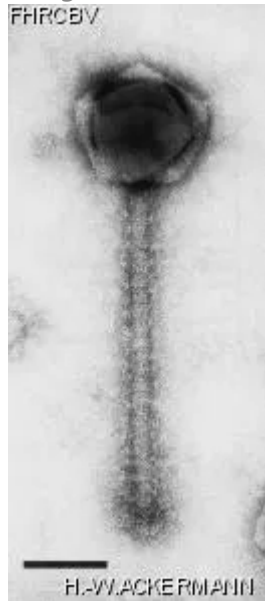


Image description

Magnification: 297,000X

Bar: 100 nm

Staining: UA

Characteristics

Veiled plaques of 1 mm.
Largest phage known.
Unique morphology (spring-like spiral around sheath).
Genome of 750 kb, DNA glucosylated.

Genomic sequence

Activated

Propagation conditions

Bacterial hosts

1276

Reference

Donelli, G., F. Guglielmi, and L. Paoletti. 1972. Structure and physico-chemical properties of bacteriophage G. I. Arrangement of protein subunits and contraction process of tail sheath. J. Mol. Biol. 71: 113-125.

Agno, M., G. Donelli, and F. Guglielmi. 1973. Structure and physico-chemical properties of bacteriophage G. II. The shape and symetry of the capsid. Micron 4: 376-403.

Remarks

Also held in the ATCC collection : no. 43725-B1.
Does not resist lyophilization.

History

History

Received from

Prof. Gianfranco Donelli
Laboratorio di Ultrastructura
Istituto Superiore di Sanit 
Viale Regina Elena, 299
00161 Roma, Italy

Date

Before 1978

Received from

Prof. Walton L. Fangman
Department of Genetics, SK 50
University of Washington
Seattle, WA 98195, USA

Date

01-16-1987

Isolated by

G. Donelli
Physics Laboratory
Istituto Superiore de Sanit , Rome
Italy

Date

1968

Source

Lysate of *B. megaterium* phage a

Updated at

2024-01-19