

*HER number*

276

## Identification

*Name*

G

*Morphotype*

A1 (Myophage)

*Other designations*

## Taxonomy

*Realm*

Duplodnaviria

*Kingdom*

Heunggongvirae

*Phylum*

[Uroviricota](#)

*Class*

Caudoviricetes

*Order*

*Family*

*Genus*

*Donellivirus*

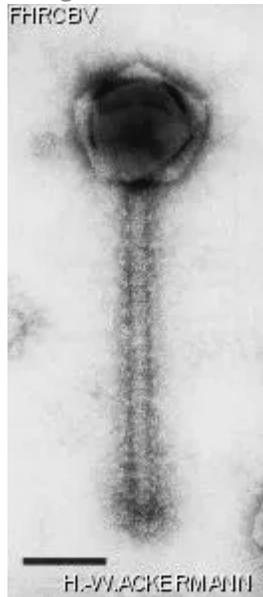
*Species*

*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