

HER number
276

Identification

<i>Name</i> 276	<i>Morphotype</i> A1 (Myophage)	<i>Other designations</i>
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Taxonomy

<i>Realm</i> <i>Duplodnaviria</i>	<i>Kingdom</i> <i>Heunggongvirae</i>	<i>Phylum</i> <i>Uroviricota</i>	<i>Class</i> <i>Caudoviricetes</i>
<i>Order</i>	<i>Family</i>	<i>Genus</i> <i>Donellivirus</i>	<i>Species</i> <i>Donellivirus gee</i>

Images

Electron Micrograph

Image

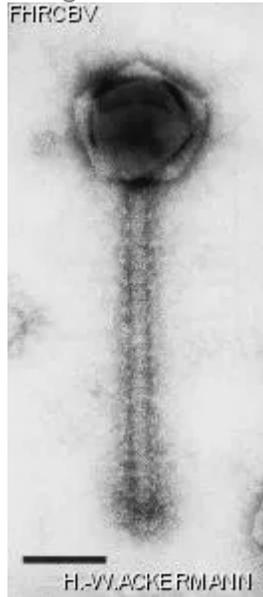


Image description

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 symmetry 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