

HER number

158

Identification

Name
RB69

Morphotype
A2 (Myophage)

Other designations

Taxonomy

Realm
Duplodnaviria

Kingdom
Heunggongvirae

Phylum
[*Uroviricota*](#)

Class
Caudoviricetes

Order
Pantevenviraales

Family
Straboviridae

Genus
Mosigvirus

Species
Mosigvirus RB69

Images

Electron Micrograph

Image
FHRCEV



Image description

Magnification: 297,000X

Bar: 50 nm

Staining: PT

Characteristics

Plaques: 1mm, clear.
Propagation on HER 1037 ?
Relationships with T4 in genes 31, ndd, 43.
Dimensions:
PT: head 106 x 77 nm Tail 109 x 17 nm
UA: head 112 x 80 nm Tail 110 x 20 nm

Genomic sequence

Activated

Propagation conditions

Bacterial hosts

1040

Reference

Yeh L. S., T. Hsu, J. D. Karam. 1998. Divergence of a DNA Replication Gene Cluster in the T4-Related Bacteriophage RB69. J Bacteriol. 180: 2005-2013.

Remarks

Also held in the collection of J. Karam, Eric Miller and Larry Gold.

PT: head 106 x 77 nm Tail 109 x 17 nm

UA: head 112 x 80 nm Tail 110 x 20 nm

Diameter of capsid, 2 nm; collar, 24 x 2 nm; neck, 8 x 7 nm; tail tube, 105 x 7 nm, noncontracted sheath, 99 x 17 nm; contracted sheath, 35 x 23 nm; base plate, 32 x 3 nm; spikes, 12 x 3nm; fibers, 133 x 2 nm with kink at 68 nm.

Extended tails had 24 striations; the number of tail fibers was 6.

History

History

Received from

Dr. Jan Drake,
National Institute of Environmental Health Sciences
(NIEHS),
Research Triangle Park, NC, 27709,
USA.

Date

03-14-1997

Received from

Dr William B. Wood,
University of Colorado,
Boulder, CO.
Who received it from:
R. L. Russell and R. S. Edgar

Date

Received from

Dr Jim Karam,
Tulane University School of Medecine,
1430 Tulane Avenue,
New Orleans, LA, 70112,
USA.

Date

Isolated by

Rosina O. Berry,
undergraduate student with R. L. Russell,
Cold Spring Harbor Laboratory

Date

1964

Source

Updated at

2024-01-16