

HER number
158

Identification

Name
RB69

Morphotype
A2 (Myophage)

Order

Family
Straboviridae

Species
Mosigvirus RB69

Other designations

Taxonomy

Class

Realm

Kingdom

Images

Electron Micrograph

Image

FHRCBV



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 3 nm; fibers, 133 x 2 nm with kink at 68 nm.

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

History

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Isolated by

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

Date

Received from

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Date

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