

*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