

<i>HER number</i> 158			
<b>Identification</b>			
<i>Name</i> 158	<i>Morphotype</i> A2 (Myophage)	<i>Other designations</i>	
<b>Taxonomy</b>			
<i>Realm</i> <i>Duplodnaviria</i>	<i>Kingdom</i> <i>Heunggongvirae</i>	<i>Phylum</i> <u><i>Uroviricota</i></u>	<i>Class</i> <i>Caudoviricetes</i>
<i>Order</i> <i>Pantevenvirales</i>	<i>Family</i> <i>Straboviridae</i>	<i>Genus</i> <i>Mosigvirus</i>	<i>Species</i> <i>Mosigvirus RB69</i>
<b>Images</b>			
<i>Electron Micrograph</i> <i>Image</i> 	<i>Image description</i> Magnification: 297,000X Bar: 50 nm Staining: PT		

<p><i>Characteristics</i></p> <p>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</p>	<p><i>Genomic sequence</i>      Activated</p>
--	---

## 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

*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