

*HER number*  
158

## Identification

<i>Name</i> 158	<i>Morphotype</i> A2 (Myophage)	<i>Other designations</i>
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## Taxonomy

<i>Realm</i> Duplodnaviria	<i>Kingdom</i> Heunggongvirae	<i>Phylum</i> <a href="#">Uroviricota</a>	<i>Class</i> Caudoviricetes
<i>Order</i> Pantevenviraes	<i>Family</i> Straboviridae	<i>Genus</i> Mosigvirus	<i>Species</i> Mosigvirus RB69

## Images

*Electron Micrograph*

*Image*  
FHRCBV



*Image description*

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></p> <p>Activated</p>
<p><b>Propagation conditions</b></p>	
<p><i>Bacterial hosts</i></p> <p>1040</p>	
<p><i>Reference</i></p> <p>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.</p>	
<p><i>Remarks</i></p> <p>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.</p>	
<p><b>History</b></p>	

*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.

**Date**

Who received it from:

R. L. Russell and R. S. Edgar

**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