Phage HER 158

HER number
158

Identification

Name	*Morphotype*	*Other designations*	
RB69	A2 (Myophage)		

Taxonomy

Realm	*Kingdom*	*Phylum*	*Class*
Duplodnaviria	*Heunggongvirae*	*Uroviricota*	*Caudoviricetes*
Order	*Family*	*Genus*	*Species*
Pantevenvirales	*Straboviridae*	*Mosigvirus*	*Mosigvirus RB69*

Images

Electron Micrograph Image



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

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