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Structure of a viral DNA gatekeeper at 10 Å resolution by cryo-electron microscopy

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Phage T4 - *Enterobacteria phage T4*, genus "T4-like Viruses", family *Myoviridae*, or viruses with 34-170 kbp dsDNA genomes, isometric heads and contractile tails - infects the gram-negative bacterium *E coli*. It has one of the more complex entry mechanisms, involving an active injection process. This is shared by others of the so-called T-even phages of the family *Myoviridae*.

Animated graphic above right (derived from EM images taken by L Stannard, Dept Medical Microbiology, UCT).

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**Slide 101:**

- <http://www.barbarakrakowgallery.com/contentmgr/showdetails.php/id/338> Annette Lemieux  
*Pile No. 1*, 1995  
Bricks and wood pedestal  
4 1/2 x 6 5/8 x 6 5/8 inches

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{**Slide 105:** Dan Bolser Cambridge}