

<http://www.cosm.sc.edu/chem/morgan.html> (5K)

Bacillus anthracis

This site describes the molecular studies and the comparative analysis of 23S ribosomal RNA gene sequences of B. anthracis and Bacillus cereus determined by PCR-direct sequencing.

<http://rrna.uia.ac.be/pub/lsu/Bacant.BGL>

Characterization of the Bacillus anthracis S-layer

This site describes French research at the Pasteur Institute dealing with the outer surface of B. anthracis. The gene coding for the S-layer protein (sap) was cloned on two contiguous fragments in *Escherichia coli*, and the complete sequence of the structural gene was determined. The protein, Sap, is composed of 814 residues, including a classical prokaryotic 29-amino-acid signal peptide.

<http://www.pasteur.fr/Bio/pub/Etienne-Toumelin1.html>

Anthrax toxin

This site describes anthrax toxin research at the Pasteur Institute in France. (Published as Pezard C., Weber M., Sirard J.C., Berche P., Mock M. *Laboratoire de Genetique Moleculaire des Toxines Infection & Immunity*, 63(4):1369-72, 1995.) The two toxins secreted by *Bacillus anthracis* are composed of binary combinations of three components. Six mutant strains that are deficient in the production of one or two of these toxin components were previously constructed and characterized. This work examined the antibody response to the in vivo production of toxin components in mice immunized with spores of strains producing these proteins.