

[Open Peer Review on Qeios](#)

Prevotella ruminicola

National Cancer Institute

Source

National Cancer Institute. *Prevotella ruminicola*. NCI Thesaurus. Code C86677.

A species of obligately anaerobic, Gram-negative, rod shaped bacteria assigned to the phylum Bacteroidetes. This species is nonmotile, non-spore forming, nonpigmented, rhamnose, sucrose, esculin hydrolysis, beta-N-acetyl-glucosaminidase, and alpha-fucosidase positive, but indole and glycine aminopeptidase negative. *P. ruminicola* is commonly found in the rumen and hindgut of cattle and sheep where it aids in digesting protein and carbohydrate food sources, as well as to prevent bovine rumen acidosis.