Inducible gene expression system for commensal bacteria

OCR Number: OCR 7209

Description:

• A powerful and versatile gene expression system for Bacteroides, the most common genus of bacteria in the human gut.

• Expression of the gene-of-interest can be induced 5 orders of magnitude above background

• Works in the 11 Bacteroides species tested.

• Works in mice solely colonized with the modified Bacteroides and mice carrying the modified Bacteroides with a complete microbial community.

• Can be potentially used to deliver therapeutic agents through commensal bacteria as well as a research tool.


• Intellectual Property: Patent Application Pending

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