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.


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