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

**PI:** Andrew Goodman

**Licensing Contact:** Hong Peng

hong.peng@yale.edu