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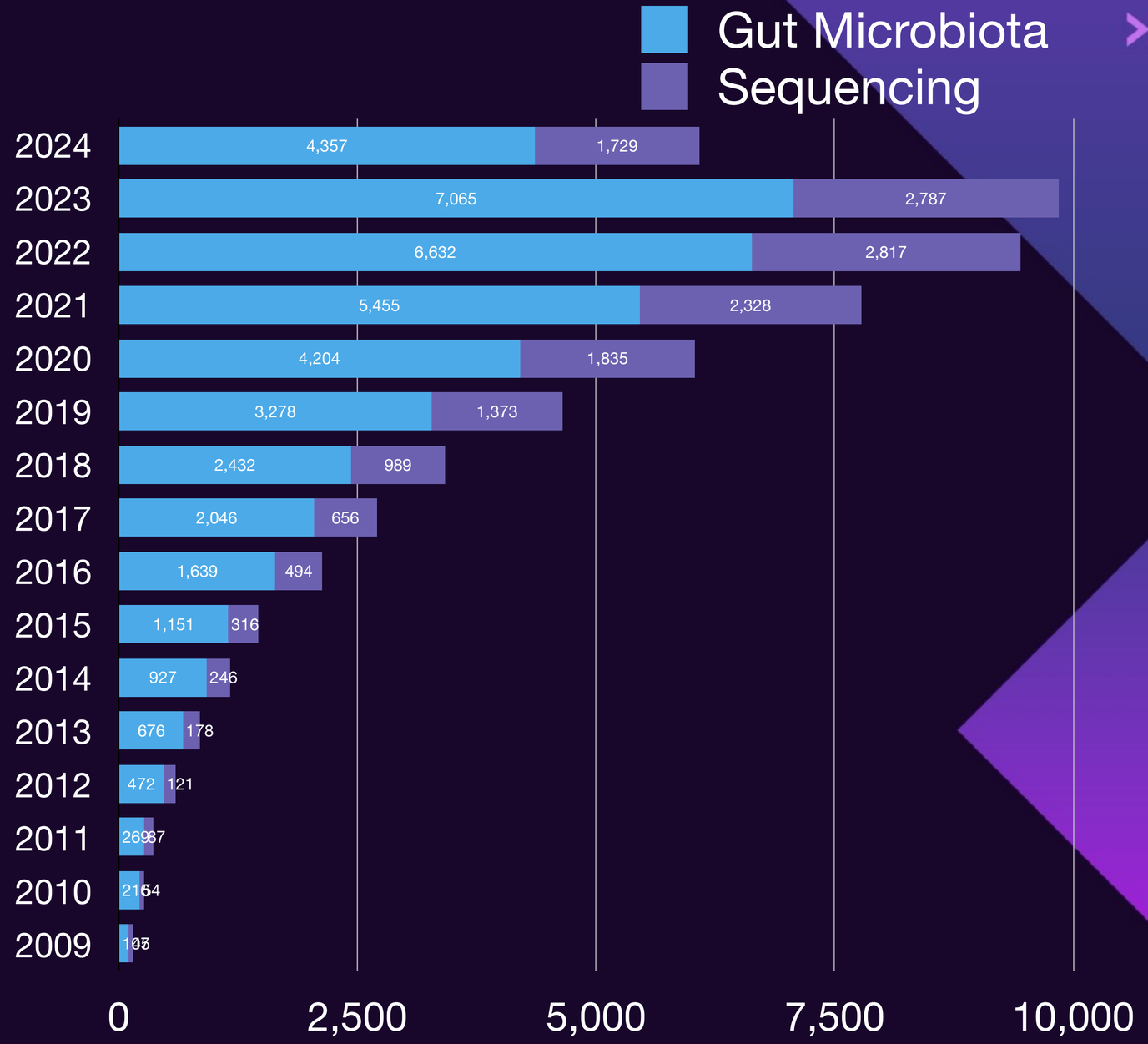
| NextSeq Series ✪ | HiSeq Series ✪ | HiSeq X Series‡ | NovaSeq 6000 System |
|---|---|---|---|
| Key Application | Key Application | Key Application | Key Application |
| ● | ● | ● | ● |
| ● | ● | | ● |
| ● | ● | | ● |
| ● | ● | | ● |
| ● | ● | | ● |
| ● | ● | | ● |
| ● | ● | | ● |
| ● | ● | | ● |
| ● | ● | | ● |
| ● | ● | | ● |

timized NGS Sample Tracking and Workflows

y LIMS (Laboratory Information Management System) enabled this large genomics lab
b procedures and cope with increasing sample volumes from diverse clients.

Read Case Study ›

| | | | |
|---|---|---|---|
| 12–30 hours | < 1–3.5 days (HiSeq 3000/HiSeq 4000)<br>7 hours–6 days (HiSeq 2500) | < 3 days | 16–36 hours (Dual S2 flow cells)<br>44 hours (Dual S2 flow cells) |
| 120 Gb | 1500 Gb | 1800 Gb | 6000 Gb |
| 400 million | 5 billion | 6 billion | 20 billion |
| 2 × 150 bp | 2 × 150 bp | 2 × 150 bp | 2 × 150 bp |




6 de julho, 2024

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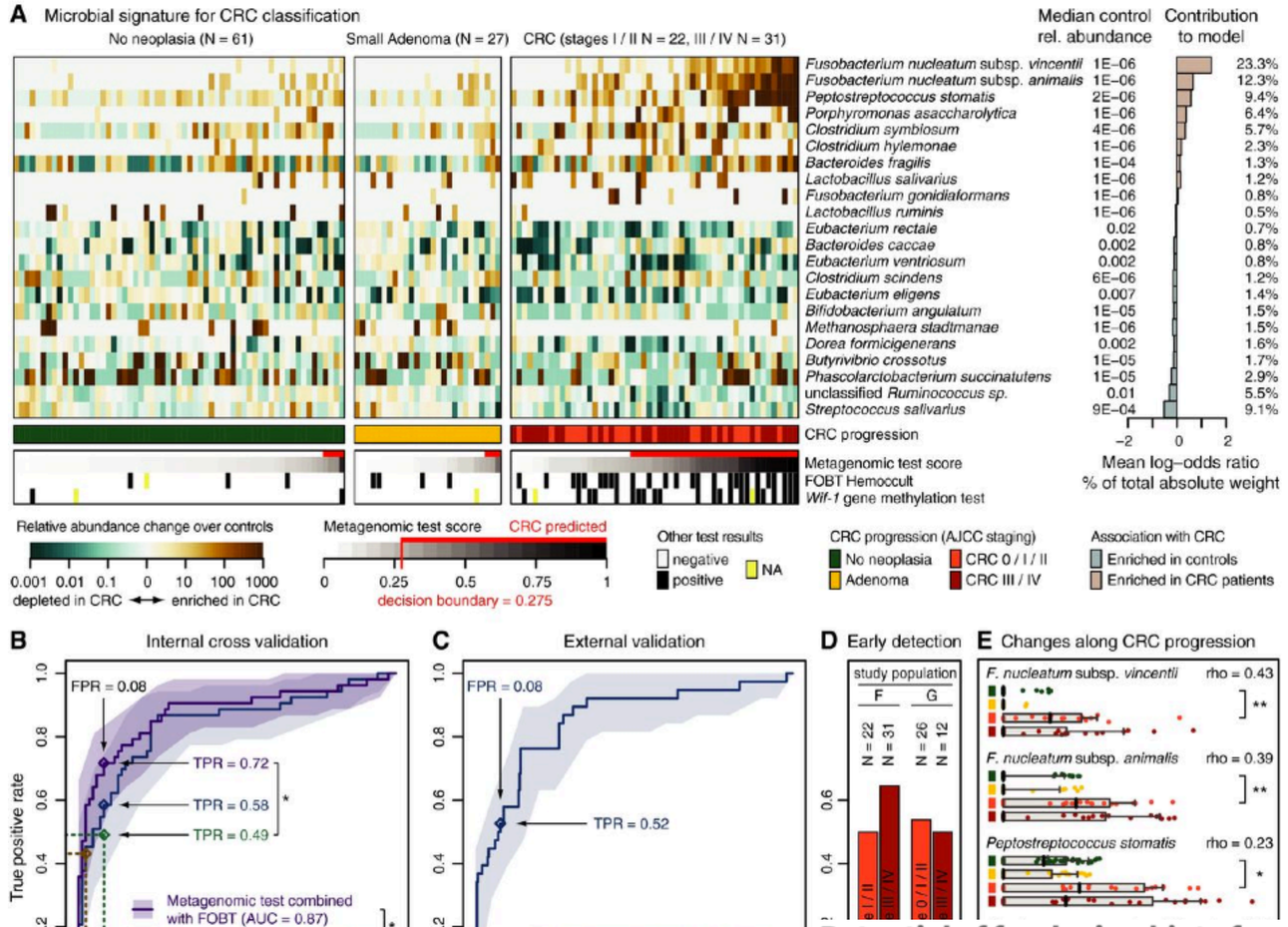
# A busca pelos marcadores




## Potential of fecal microbiota for early−stage detection of colorectal cancer

Georg Zeller, Julien Tap, Anita Y Voigt, Shinichi Sunagawa, Jens Roat Kultima, Paul I Costea, Aurélien Amiot, Jürgen Böhm, Francesco Brunetti, Nina Habermann, Rajna Hercog, Moritz Koch, Alain Luciani, Daniel R Mende, Martin A Schneider, Petra Schrotz−King, Christophe Tournigand, Jeanne Tran Van Nhieu, Takuji Yamada, Jürgen Zimmermann, Vladimir Benes, Matthias Kloor, Cornelia M Ulrich, Magnus von Knebel Doeberitz, Iradj Sobhani, Peer Bork

## Intestinal microbiota metabolism of L-carnitine, a nutrient in red meat, promotes atherosclerosis

Robert A Koeth[1,2], Zeneng Wang[1,2], Bruce S Levison[1,2], Jennifer A Buffa[1,2], Elin Org[3], Brendan T Sheehy[1], Earl B Britt[1,2], Xiaoming Fu[1,2], Yuping Wu[4], Lin Li[1,2], Jonathan D Smith[1,2,5], Joseph A DiDonato[1,2], Jun Chen[6], Hongzhe Li[6], Gary D Wu[7], James D Lewis[6,8], Manya Warrier[9], J Mark Brown[9], Ronald M Krauss[10], W H Wilson Tang[1,2,5], Frederic D Bushman[5], Aldons J Lusis[3] & Stanley L Hazen[1,2,5]

ARTICLE

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## Gut flora metabolism of phosphatidylcholine promotes cardiovascular disease

Zeneng Wang[1,2], Elizabeth Klipfell[1,2], Brian J. Bennett[3], Robert Koeth[1], Bruce S. Levison[1,2], Brandon DuGar[1], Ariel E. Feldstein[1,2], Earl B. Britt[1,2], Xiaoming Fu[1,2], Yoon-Mi Chung[1,2], Yuping Wu[4], Phil Schauer[5], Jonathan D. Smith[1,6], Hooman Allayee[7], W. H. Wilson Tang[1,2,6], Joseph A. DiDonato[1,2], Aldons J. Lusis[3] & Stanley L. Hazen[1,2,6]

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## Intestinal Microbial Metabolism of Phosphatidylcholine and Cardiovascular Risk

W.H. Wilson Tang, M.D., Zeneng Wang, Ph.D., Bruce S. Levison, Ph.D., Robert A. Koeth, B.S., Earl B. Britt, M.D., Xiaoming Fu, M.S., Yuping Wu, Ph.D., and Stanley L. Hazen, M.D., Ph.D.