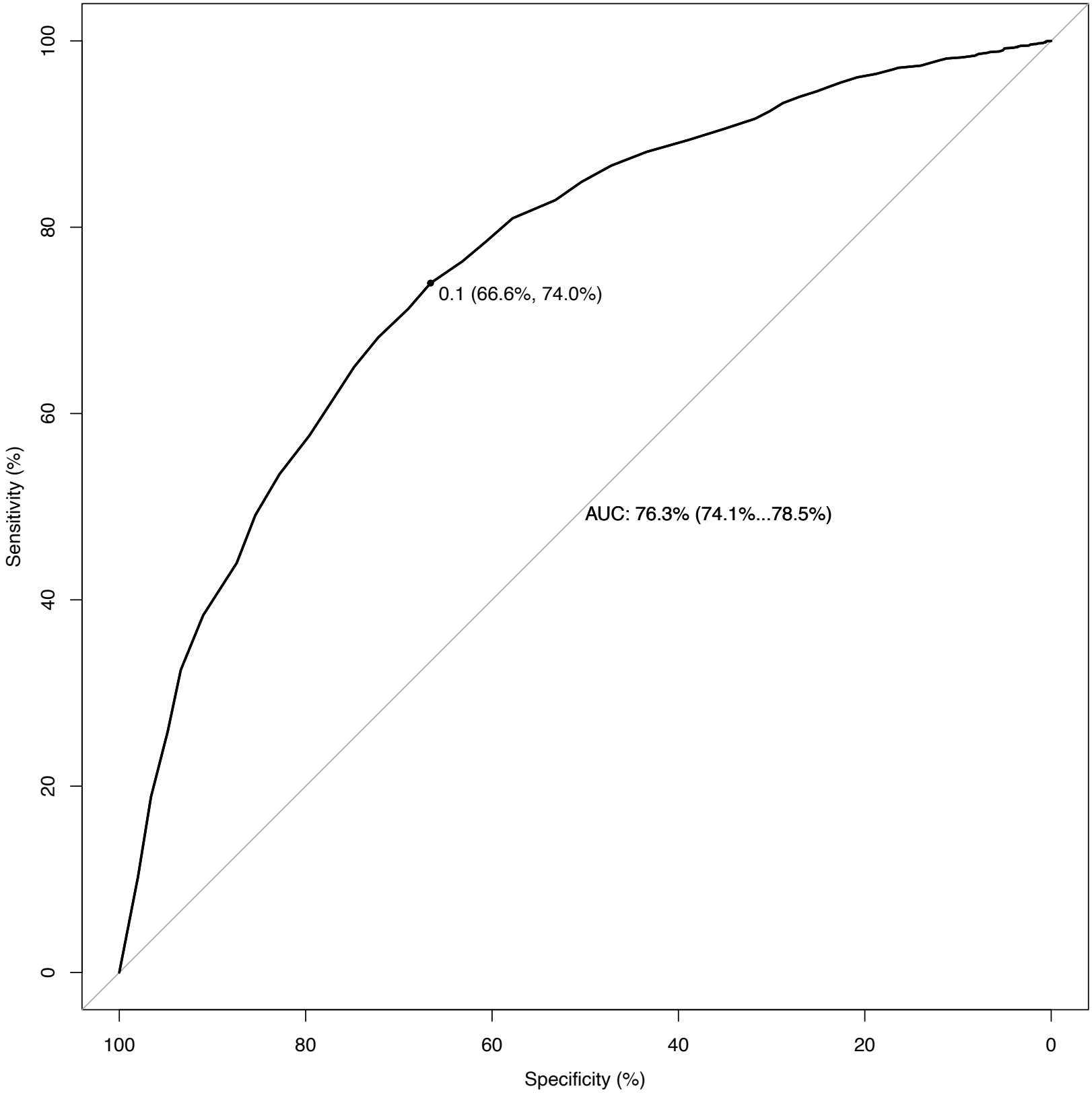




Instituto
René Rachou
FIOCRUZ MINAS



Tenhammar and or?

• En média, é mais abundante.

Family.XIII.AD3011.group

Relative Abundance

0.012

0.008

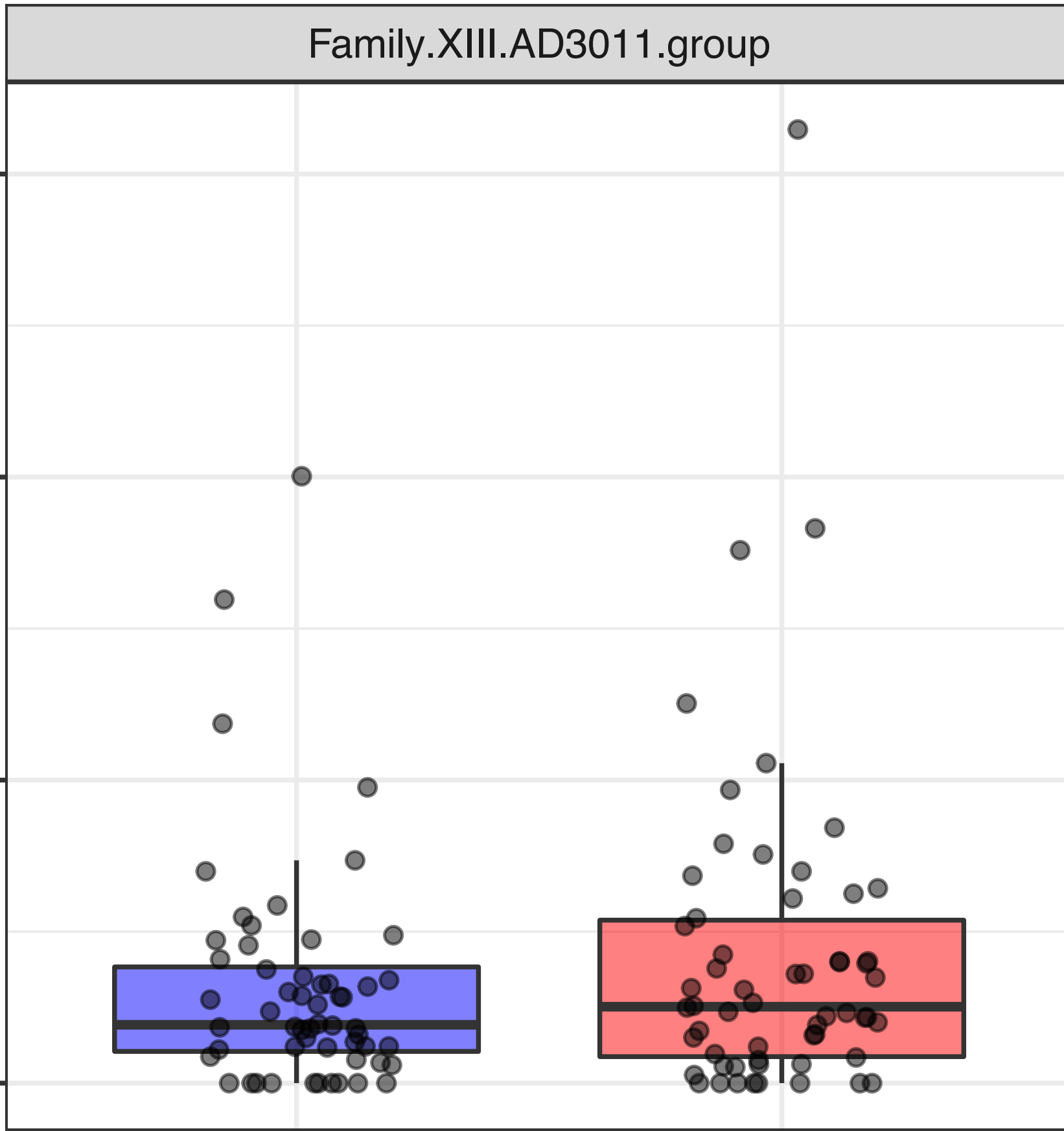
0.004

0.000

1

2

Relative Abundance



Ruminococcus.1

Relative Abundance

0.06

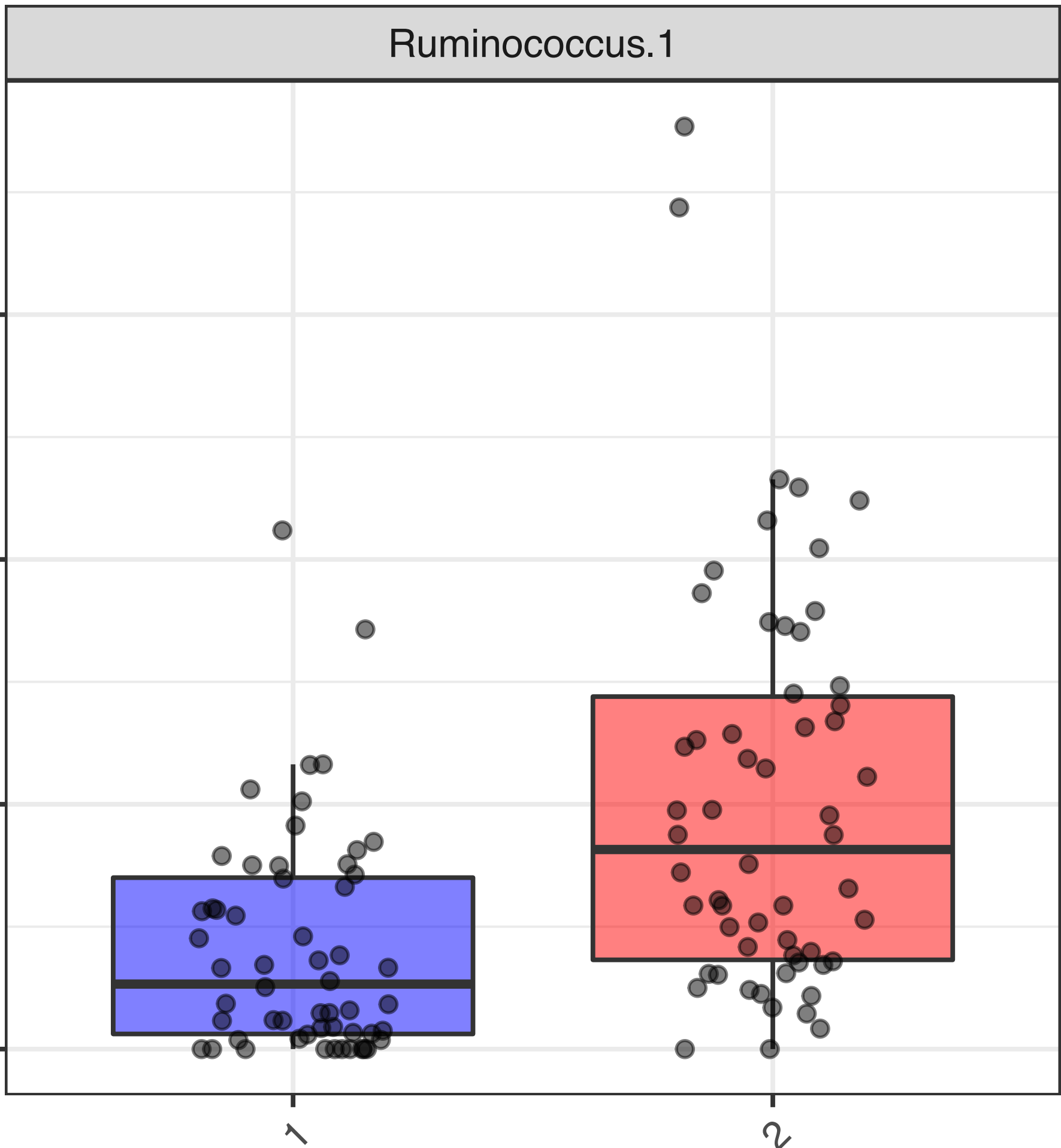
0.04

0.02

0.00

1

2



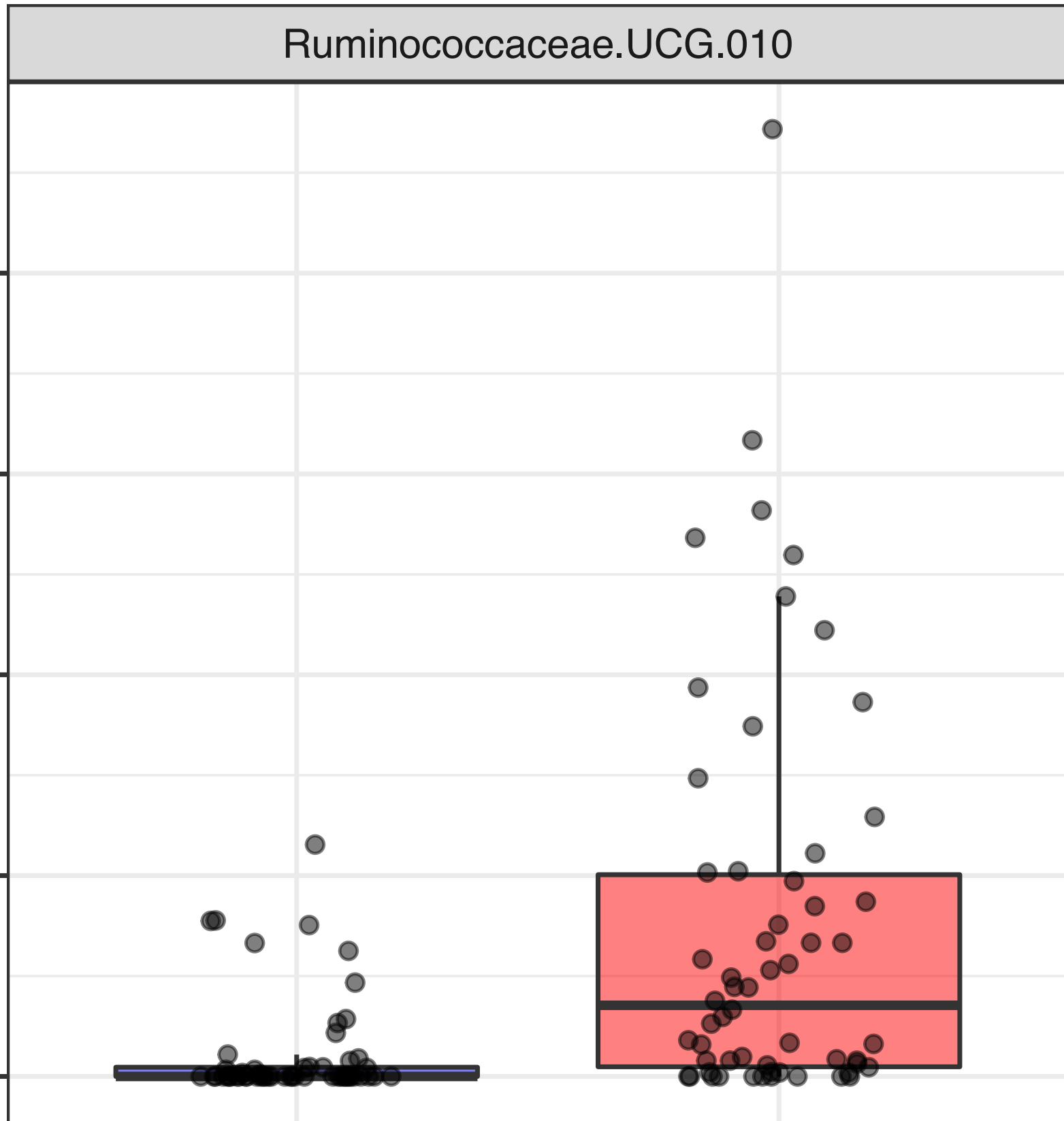
Ruminococcaceae.UGG.010

Relative Abundance

0.020
0.015
0.010
0.005
0.000

1

2



Ruminococcaceae.UCG.002

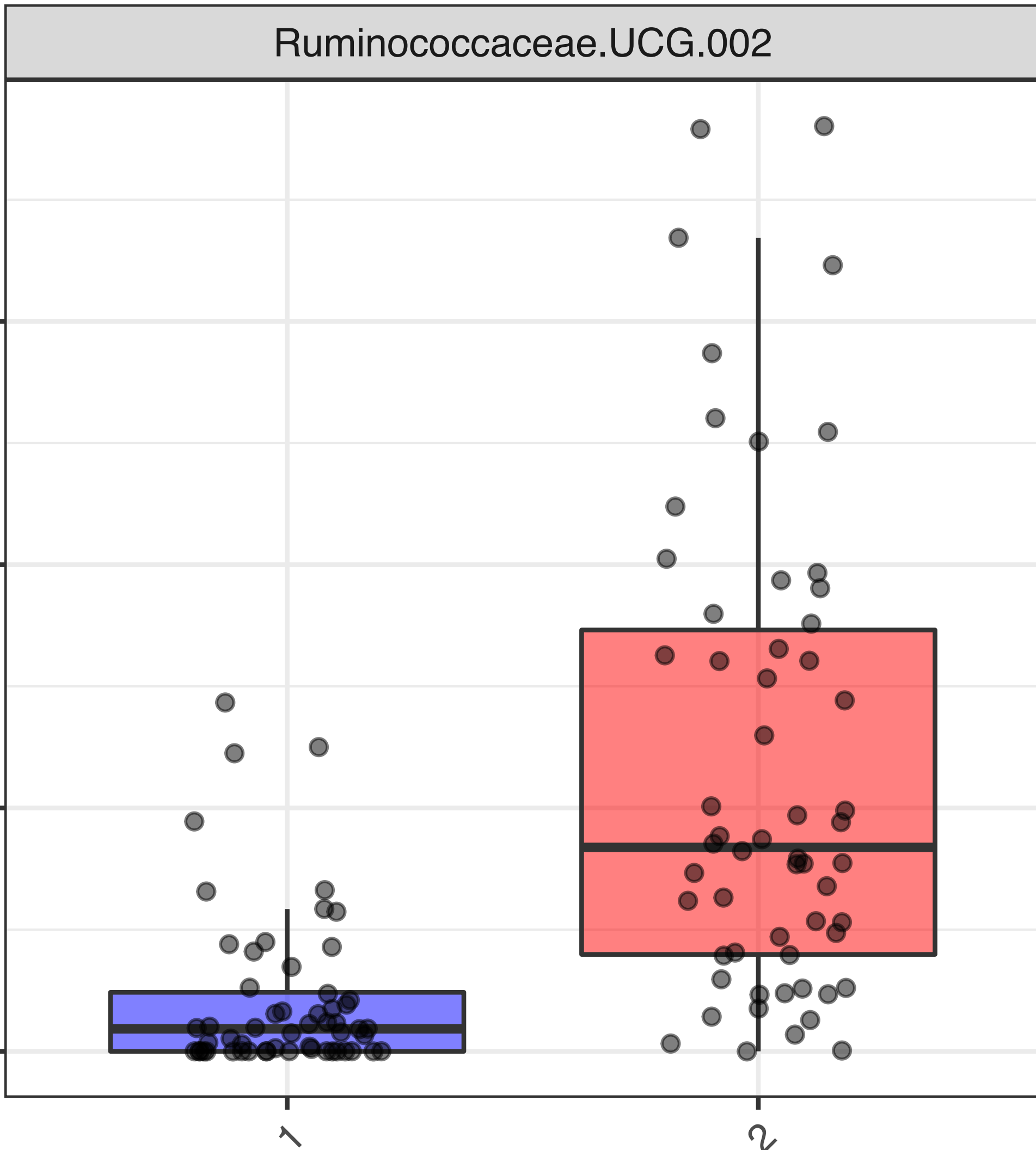
Relative Abundance

0.075
0.050
0.025
0.000

1

2

Cluster

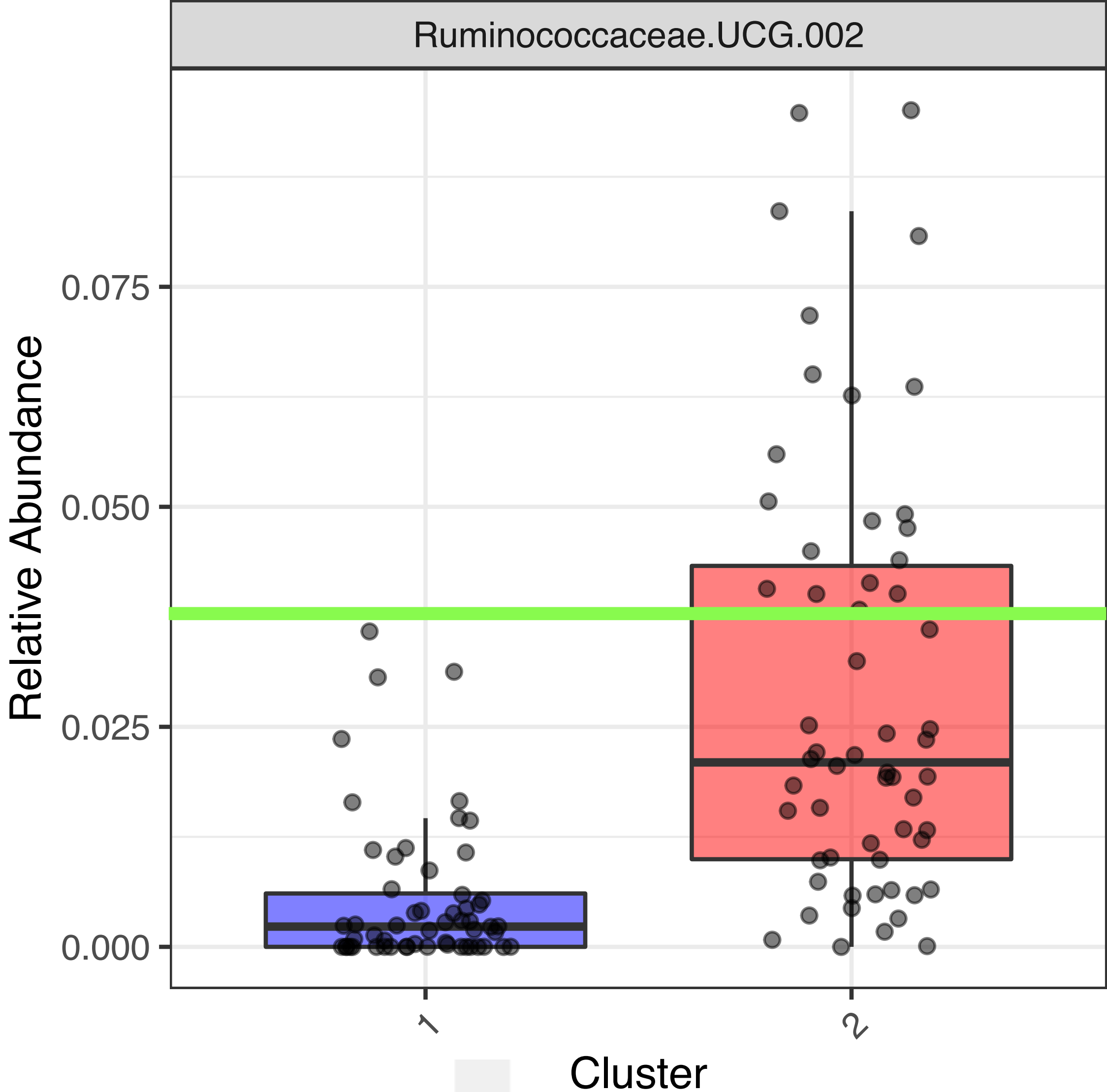
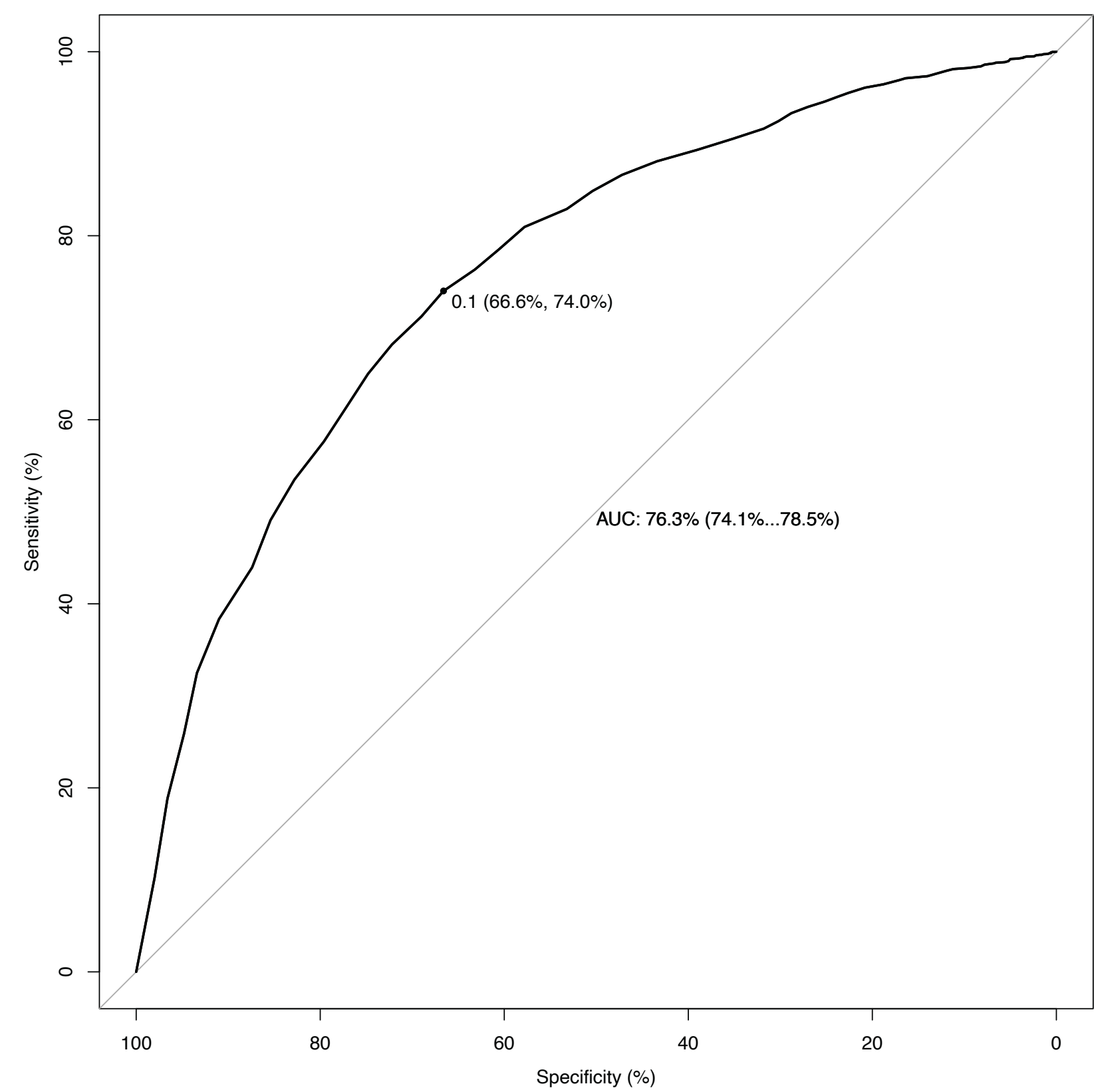


• En général, é mais abondante.

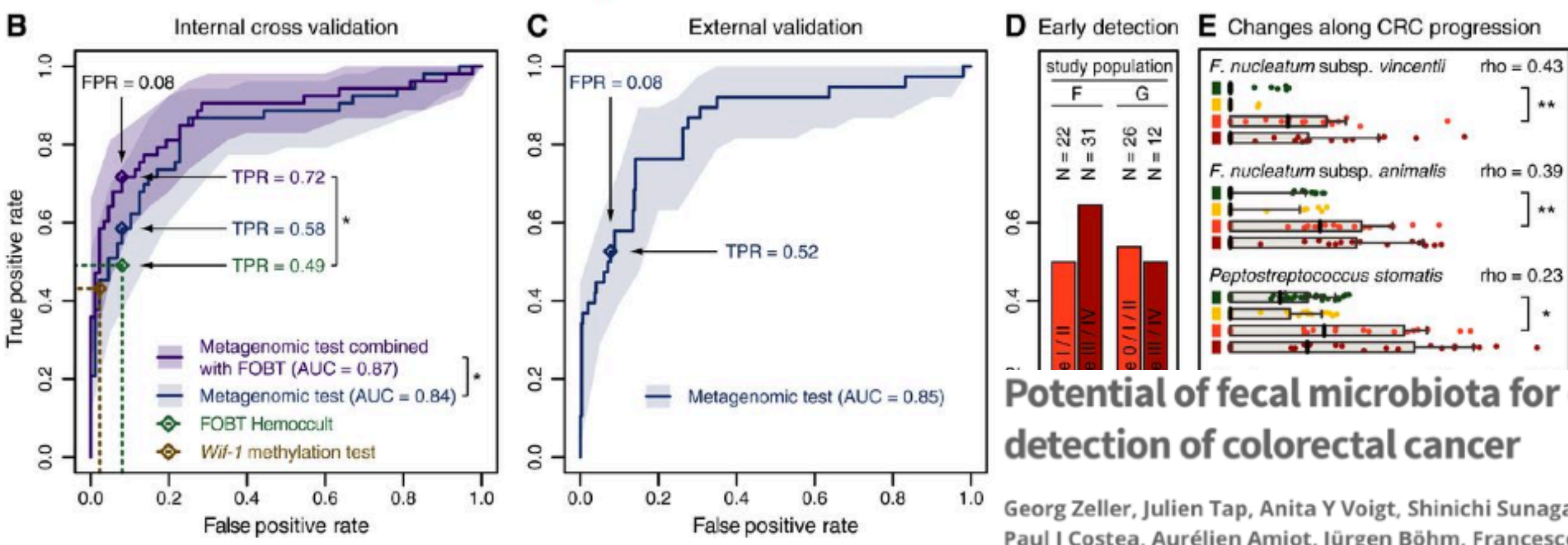
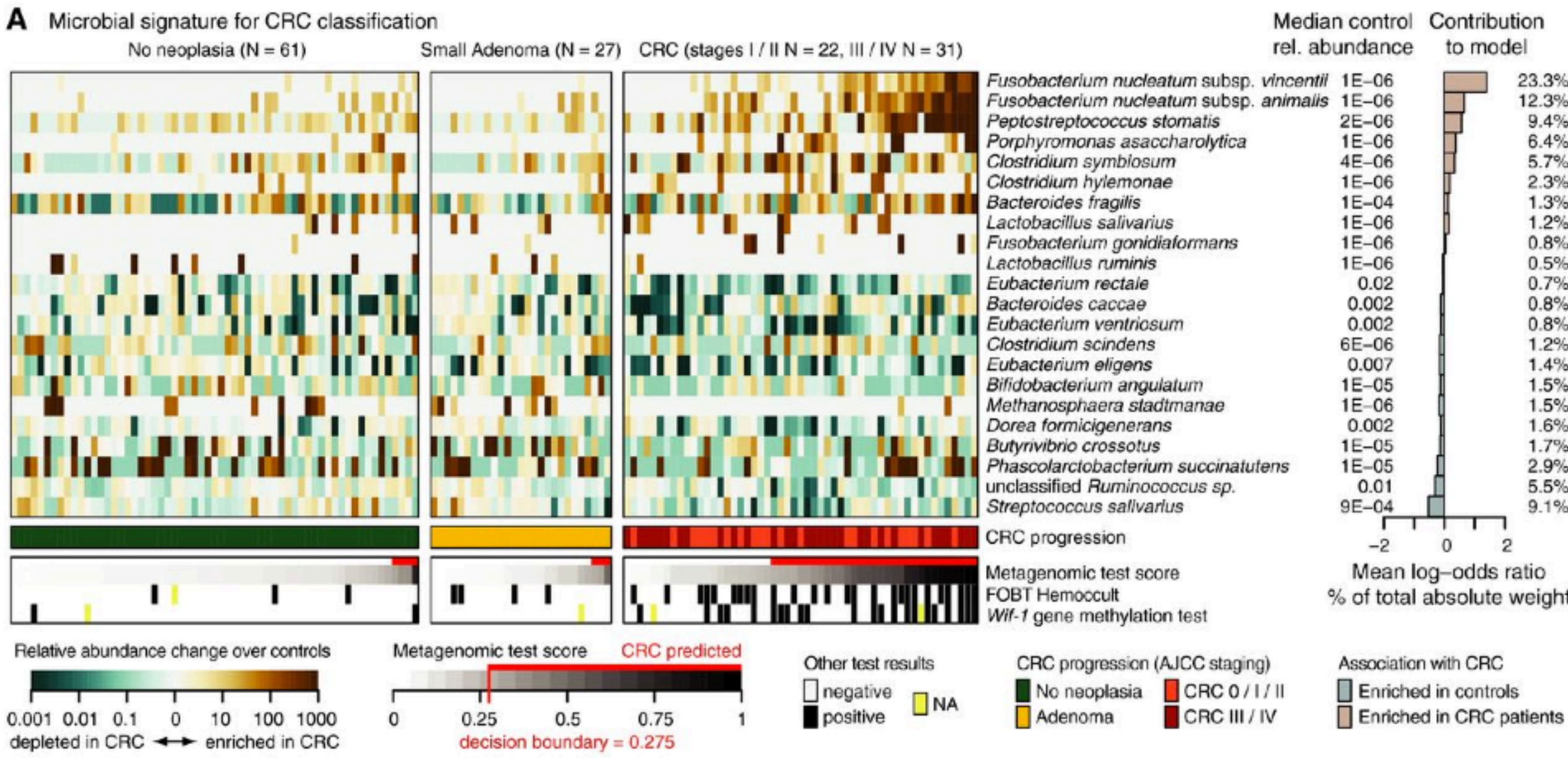
- É um marcador (demanda análise de performance)

Tenho um marcador?

- É um marcador (demanda análise de performance)



Search for markers



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 Herczeg, 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 Org³, Brendan T Sheehy¹, Earl B Britt^{1,2}, Xiaoming Fu^{1,2}, Yuping Wu⁴, Lin Li^{1,2}, Jonathan D Smith^{1,2,5}, Joseph A DiDonato^{1,2}, Jun Chen⁶, Hongzhe Li⁶, Gary D Wu⁷, James D Lewis^{6,8}, Many Warrier⁹, J Mark Brown⁹, Ronald M Krauss¹⁰, W H Wilson Tang^{1,2,5}, Frederic D Bushman⁵, Aldons J Lusis³ & Stanley L Hazen^{1,2,5}

ARTICLE

doi:10.1038/nature09922

Gut flora metabolism of phosphatidylcholine promotes cardiovascular disease

Zeneng Wang^{1,2}, Elizabeth Klipfell^{1,2}, Brian J. Bennett³, Robert Koeth¹, Bruce S. Levison^{1,2}, Brandon DuGar¹, Ariel E. Feldstein^{1,2}, Earl B. Britt^{1,2}, Xiaoming Fu^{1,2}, Yoon-Mi Chung^{1,2}, Yuping Wu⁴, Phil Schauer⁵, Jonathan D. Smith^{1,6}, Hooman Allayee⁷, W. H. Wilson Tang^{1,2,6}, Joseph A. DiDonato^{1,2}, Aldons J. Lusis³ & Stanley L. Hazen^{1,2,6}



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.