


**FBratio**  
(*Bacteroidetes* / *Firmicutes*-Ratio)  
Samples: n = 28, 640; Datasets: n = 154

**Gut microbiome**

Temporal cohorts  
(n = 228)

Public cohorts  
(n = 21, 897)

Anti-PD1 cohorts  
(n = 260)

 Landscape (87 diseases)

CRC cohorts  
(n = 810)

Correlation with gut stability

Diagnostic biomarker


Immunotherapy response biomaker

**Tumor microbiome**

TCGA cohorts  
(n = 10, 266)

ICI cohort  
(n = 116)

CRC cohort  
(n = 176)

 Landscape (14 cancers)

Immune subtype cohorts  
(n = 2, 623)

- Prognostic/diagnostic biomarker
- Correlation with immune microenvironment

Immunotherapy response biomaker

Correlation with mutational profiles