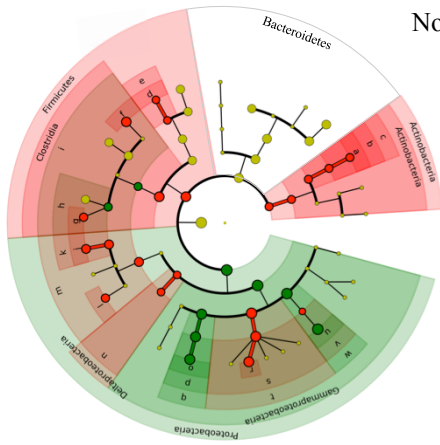


Non-HRV challenged duodenum

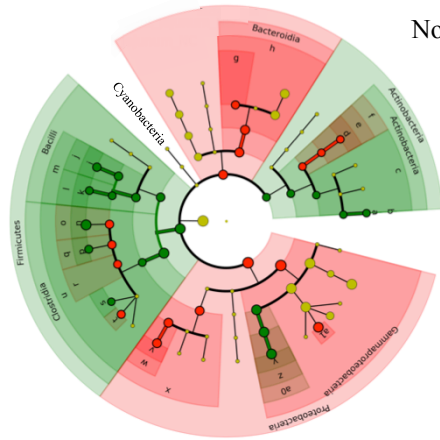


■ Deficient diet
■ Sufficient diet

Abbreviations

- | | |
|--|---|
| ■ a: Bifidobacterium | ■ n: Myxococcales |
| ■ b: Bifidobacteriaceae | ■ o: Shewanella |
| ■ c: Bifidobacteriales | ■ p: Shewanellaceae |
| ■ d: Lactobacillus | ■ q: Alteromonadales |
| ■ e: Lactobacillaceae | ■ r: EnterobacteriaceaeOther |
| ■ f: Clostridium | ■ s: Enterobacteriaceae |
| ■ g: Oscillospira | ■ t: Enterobacteriales |
| ■ h: Ruminococcaceae | ■ u: Halomonas |
| ■ i: Clostridiales | ■ v: Halomonadaceae |
| ■ j: Burkholderia | ■ w: Oceanospirillales |
| ■ k: Burkholderiaceae | |
| ■ l: Ralstonia | |
| ■ m: Burkholderiales | |

Non-HRV challenged jejunum

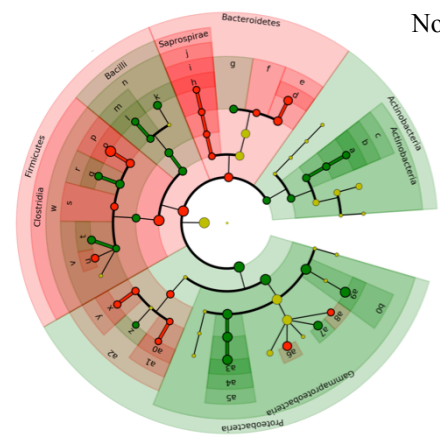


■ Deficient diet
■ Sufficient diet

Abbreviations

- | | | |
|--|---|--|
| ■ a: Corynebacterium | ■ n: Clostridium | ■ a0: Alteromonadales |
| ■ b: Corynebacteriaceae | ■ o: Clostridiaceae | ■ a1: EnterobacteriaceaeOther |
| ■ c: Actinomycetales | ■ p: Ruminococcus | |
| ■ d: Bifidobacterium | ■ q: Lachnospiraceae | |
| ■ e: Bifidobacteriaceae | ■ r: Peptostreptococcaceae | |
| ■ f: Bifidobacteriales | ■ s: Faecalibacterium | |
| ■ g: S24_7 | ■ t: Oscillospira | |
| ■ h: Bacteroidales | ■ u: Clostridiales | |
| ■ i: Enterococcus | ■ v: Burkholderia | |
| ■ j: Enterococcaceae | ■ w: Burkholderiaceae | |
| ■ k: Lactobacillus | ■ x: Burkholderiales | |
| ■ l: Lactobacillaceae | ■ y: Shewanella | |
| ■ m: Lactobacillales | ■ z: Shewanellaceae | |

Non-HRV challenged ileum

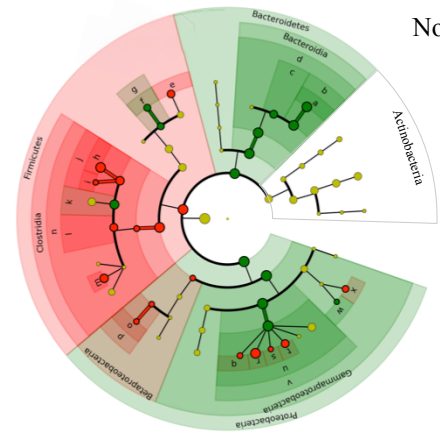


■ Deficient diet
■ Sufficient diet

Abbreviations

- | | | |
|--|---|--|
| ■ a: Bifidobacterium | ■ n: Lactobacillales | ■ a0: Ralstonia |
| ■ b: Bifidobacteriaceae | ■ o: Clostridium | ■ a1: Oxalobacteraceae |
| ■ c: Bifidobacteriales | ■ p: Clostridiaceae | ■ a2: Burkholderiales |
| ■ d: Bacteroides | ■ q: Ruminococcus | ■ a3: Shewanella |
| ■ e: Bacteroidaceae | ■ r: Lachnospiraceae | ■ a4: Shewanellaceae |
| ■ f: Rikenellaceae | ■ s: Peptostreptococcaceae | ■ a5: Alteromonadales |
| ■ g: S24_7 | ■ t: Faecalibacterium | ■ a6: EnterobacteriaceaeOther |
| ■ h: Sediminibacterium | ■ u: Oscillospira | ■ a7: Proteus |
| ■ i: Chitinophagaceae | ■ v: Ruminococcaceae | ■ a8: Tralbulsiella |
| ■ j: Saprospirales | ■ w: Clostridiales | ■ a9: Halomonas |
| ■ k: Enterococcus | ■ x: Burkholderia | ■ b0: Oceanospirillales |
| ■ l: Lactobacillus | ■ y: Burkholderiaceae | |
| ■ m: Lactobacillaceae | ■ z: Delftia | |

Non-HRV challenged colon



■ Deficient diet
■ Sufficient diet

Abbreviations

- | | |
|---|---|
| ■ a: Bacteroides | ■ n: Clostridiales |
| ■ b: Bacteroidaceae | ■ o: Burkholderia |
| ■ c: Rikenellaceae | ■ p: Burkholderiaceae |
| ■ d: Bacteroidales | ■ q: Citrobacter |
| ■ e: Enterococcus | ■ r: EnterobacteriaceaeOther |
| ■ f: Lactobacillus | ■ s: Pantoea |
| ■ g: Lactobacillaceae | ■ t: Proteus |
| ■ h: Clostridium | ■ u: Enterobacteriaceae |
| ■ i: SMB53 | ■ v: Enterobacteriales |
| ■ j: Clostridiaceae | ■ w: CandidatusPortiera |
| ■ k: Lachnospiraceae | ■ x: Halomonas |
| ■ l: Peptostreptococcaceae | |
| ■ m: Oscillospira | |