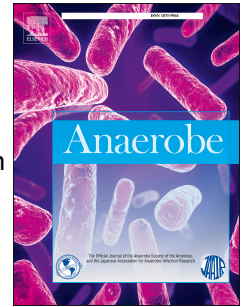


# Accepted Manuscript

Composition and metabolism of fecal microbiota from normal and overweight children are differentially affected by melibiose, raffinose and raffinose-derived fructans

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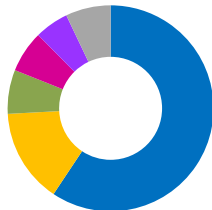
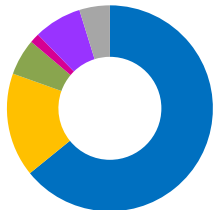
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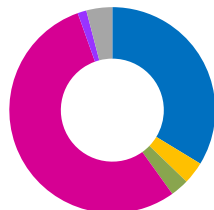
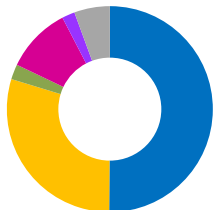
Actinobacteria  
Bacteroidetes  
Firmicutes  
Verrucomicrobia



■ Succinate ■ Acetate  
■ Propionate ■ Butyrate  
■ Lactate ■ Formate

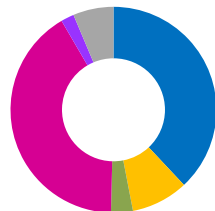
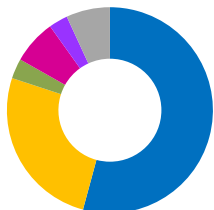
*Eggerthella*  
*Lachnoclostridium*  
*Streptococcus*  
*Senegalimassilia*  
*Collinsella*  
*Enterococcus*

*Collinsella*  
*Enterococcus*  
*Romboutsia*  
*Eggerthella*  
*Holdemanella*



*Romboutsia*  
*Bifidobacterium*  
*Slackia*  
*Collinsella*  
*Enterococcus*

*Bifidobacterium*  
*Solobacterium*  
*Streptococcus*  
*Slackia*  
*Romboutsia*  
*Enterococcus*



*Bifidobacterium*  
*Catenibacterium*  
*Collinsella*  
*Enterococcus*  
*Senegalimassilia*

**Fecal inocula**  
13% *Bifidobacterium* 19%  
3.4% *Collinsella* 3.3%  
0.4% *Senegalimassilia* 0.2%  
0.1% *Slackia* 0.1%  
3.3% *Bacteroides* 0.8%  
5.8% *Catenibacterium* 6.8%  
8.8% *Holdemanella* 8.7%  
0% *Solobacterium* 0.6%  
1.1% *Streptococcus* 0.8%  
4.1% *Akkermansia* 0.9%

*Bifidobacterium*  
*Slackia*  
*Streptococcus*  
*Solobacterium*  
*Enterococcus*  
*Romboutsia*

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