

1 Actinobacteria*Bifidobacterium thetaiotaomicron*

Favorite Food: Amylose
 Enzymes Digest: α -1,4
 Fermentation Products:
 Acetate

2 Bacteroidetes*Prevotella*

Favorite Food: Amylose,
 Amylopectin
 Enzymes Digest: α -1,4 and
 α -1,6
 Fermentation Products:
 Acetate

3 Bacteroidetes*Bacteroides ruminicola*

Favorite Food: Amylose
 Enzymes Digest: α -1,4
 Fermentation Products:
 Acetate

4 Gammaproteobacteria*Succinomonas amyloplitica*

Favorite Food: Amylose
 Enzymes Digest: α -1,4
 Fermentation Products:
 Acetate, Propionate

5 Firmicutes*Roseburia*

Favorite Food: Amylose,
 Amylopectin
 Enzymes Digest: α -1,4 and
 α -1,6
 Fermentation Products:
 Propionate, Butyrate

6 Firmicutes*Ruminococcus bromii*

Favorite Food: Amylose
 Enzymes Digest: α -1,4
 Fermentation Products:
 Propionate, Butyrate

7 Firmicutes*Ruminococcus albus*

Favorite Food: Cellulose
 Enzymes Digest: β -1,4
 Fermentation Products:
 Acetate

Fermentation Products**from Amylose:****6** Acetate **Fermentation Products****from Amylose:****6** Acetate **from Amylopectin:****9** Acetate **Fermentation Products****from Amylose:****6** Acetate **Fermentation Products****from Amylose:****4** Propionate **3** Butyrate **Fermentation Products****from 2 Amylose:****3** Propionate **4** Butyrate **from Amylopectin:****2** Propionate **3** Butyrate **Fermentation Products****from Amylose:****3** Acetate **2** Propionate **Fermentation Products****from Cellulose:****2** Acetate **5** Butyrate **8 Firmicutes***Ruminococcus flavefaciens*

Favorite Food: Cellulose
 Enzymes Digest: β -1,4
 Fermentation Products:
 Butyrate

9 Firmicutes*Butyrivibrio fibrisolvens*

Favorite Food: Cellulose
 Enzymes Digest: β -1,4
 Fermentation Products:
 Acetate, Butyrate

Fermentation Products**from Cellulose:****6** Butyrate **Fermentation Products****from Cellulose:****12** Acetate

Complete Card Deck

Random Deck 1

1 Actinobacteria

*Bifidobacterium
thetaiotaomicron*



Favorite Food: Amylose

Enzymes Digest: α -1,4

Fermentation Products:
Acetate

Fermentation Products

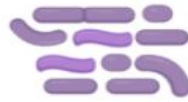
from Amylose:

6 Acetate



3 Bacteroidetes

Bacteroides ruminicola



Favorite Food: Amylose

Enzymes Digest: α -1,4

Fermentation Products:
Acetate

Fermentation Products

from Amylose:

6 Acetate



4 Gammaproteobacteria

Succinomonas amylofilica



Favorite Food: Amylose

Enzymes Digest: α -1,4

Fermentation Products:
Acetate, Propionate

Fermentation Products

from Amylose:

4 Propionate



3 Butyrate



Random Deck 2

8 Firmicutes

Ruminococcus flavefaciens




Favorite Food: Cellulose

Enzymes Digest: β -1,4

Fermentation Products:
Butyrate

Fermentation Products

from Cellulose:

6 Butyrate 

5 Firmicutes

Roseburia



Favorite Food: Amylose,
Amylopectin

Enzymes Digest: α -1,4 and
 α -1,6

Fermentation Products:
Propionate, Butyrate

Fermentation Products


from 2 Amylose:

3 Propionate 

4 Butyrate 

from Amylopectin:

2 Propionate 

3 Butyrate 

7 Firmicutes

Ruminococcus albus



Favorite Food: Cellulose

Enzymes Digest: β -1,4

Fermentation Products:
Acetate

Fermentation Products

from Cellulose:

2 Acetate 

5 Butyrate 

Random Deck 3

9 Firmicutes

Butyrivibrio fibrisolvens



Favorite Food: Cellulose

Enzymes Digest: β -1,4

Fermentation Products:
Acetate, Butyrate

Fermentation Products

from Cellulose:

12 Acetate



2 Bacteroidetes

Prevotella



Favorite Food: Amylose,
Amylopectin

Enzymes Digest: α -1,4 and
 α -1,6

Fermentation Products:
Acetate

Fermentation Products

from Amylose:

6 Acetate



from Amylopectin:

9 Acetate



6 Firmicutes

Ruminococcus bromii



Favorite Food: Amylose

Enzymes Digest: α -1,4

Fermentation Products:
Propionate, Butyrate

Fermentation Products

from Amylose:

3 Acetate



2 Propionate

