GHs  GTs  CEs  PLs  AAs

Bacilli  Clostridia

A

B

C

D

E

F

G

Bacillus

Clostridium

Bacillales

Clostridiales

Lachnosp rales

Lactobacillales

Oscillosp rales

Peptostreptococcales

Tissierellales

Aminipila

Bacillus vini JCM19841

Clostridium sp. Claci (C. aciditolerans)

GH13

Bacillus renqingensis REN2

Clostridium sp. F13 (C. sporogenes)

GH135