raw materials without any pretreatment
unwashed WIS
unwashed WIS added Tween 40 in LHW process
unwashed WIS added Tween 40 in S-SSF process
unwashed WIS+Tween 40
unwashed WIS+Tween 40+Calcium hydroxide
unwashed WIS+Tween 40+Sodium bisulfite
unwashed WIS+water
washed WIS
washed WIS+Tween 40

Ethanol concentration (g/L)

Reed straw
Corn stover