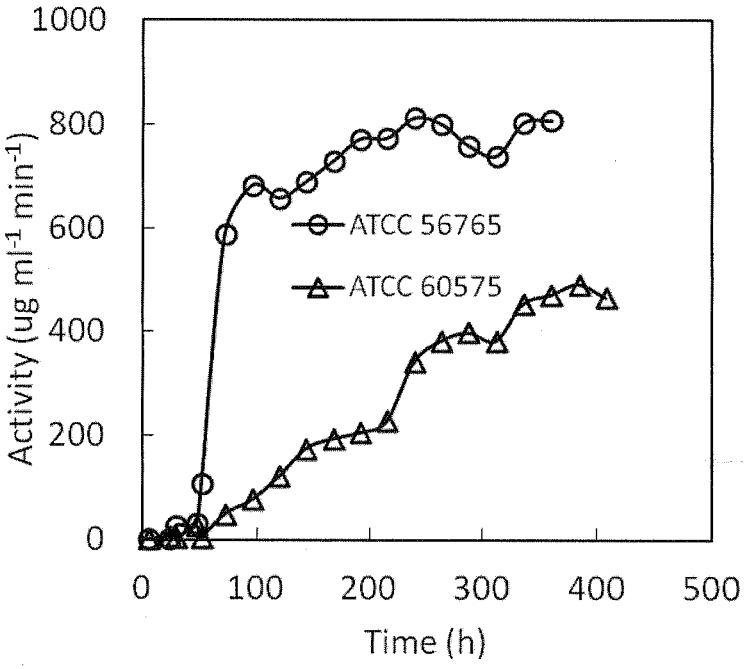
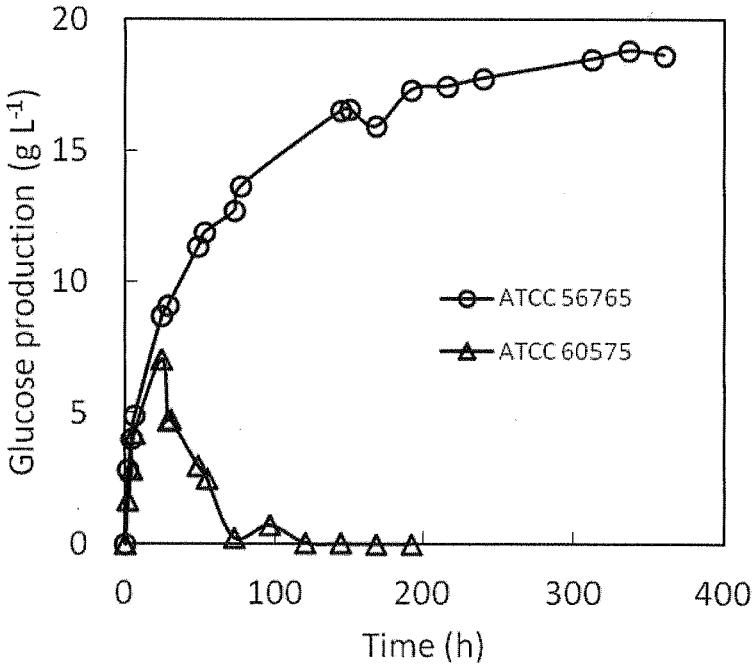
Figure 1

(A)


1000
800
600
400
200
0
Activity (ug ml-1 min-1)
ATCC 56765
ATCC 60575
0
100
200
300
400
500
Time (h)

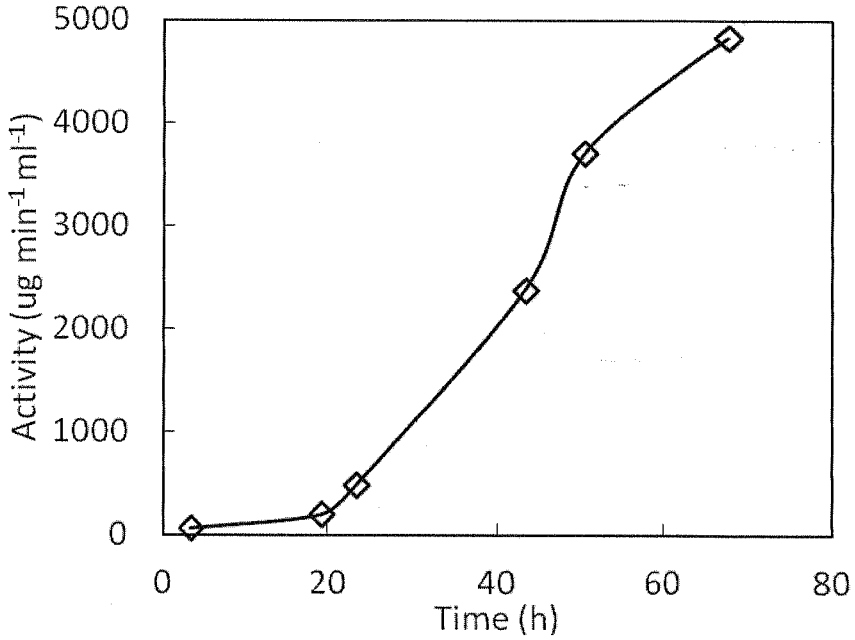
(B)


20
15
10
5
0
Glucose production (g L-1)
ATCC 56765
ATCC 60575
0
100
200
300
400
Time (h)

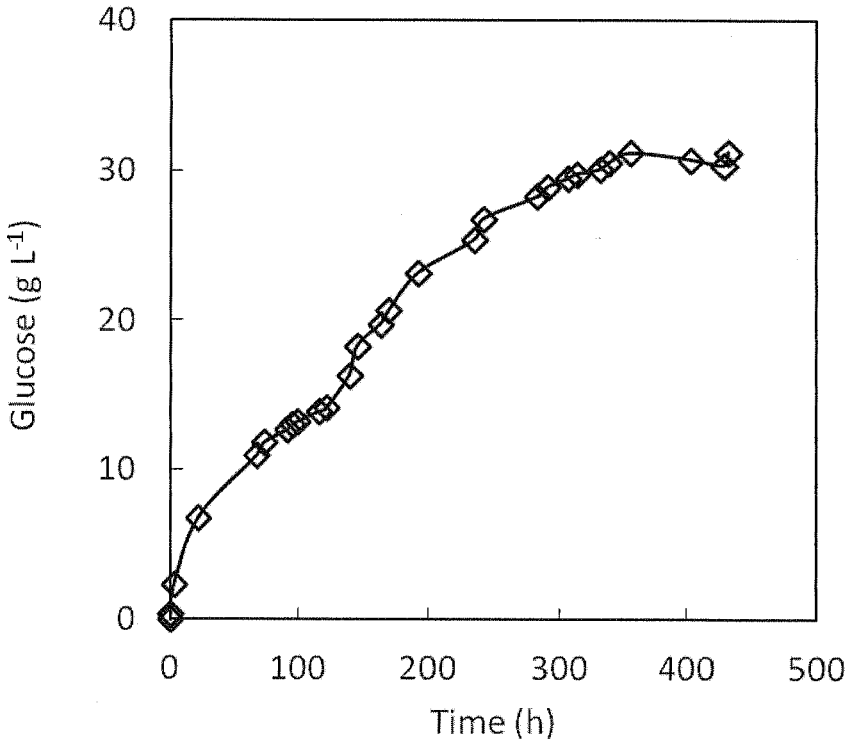
5

Figure 2

(A)


5000
4000
3000
2000
1000
0
Activity (ug min-1 ml-1)
0
20
40
60
80
Time (h)

(B)


40
30
20
10
0
Glucose (g L-1)
0
100
200
300
400
500
Time (h)

5

Figure 3

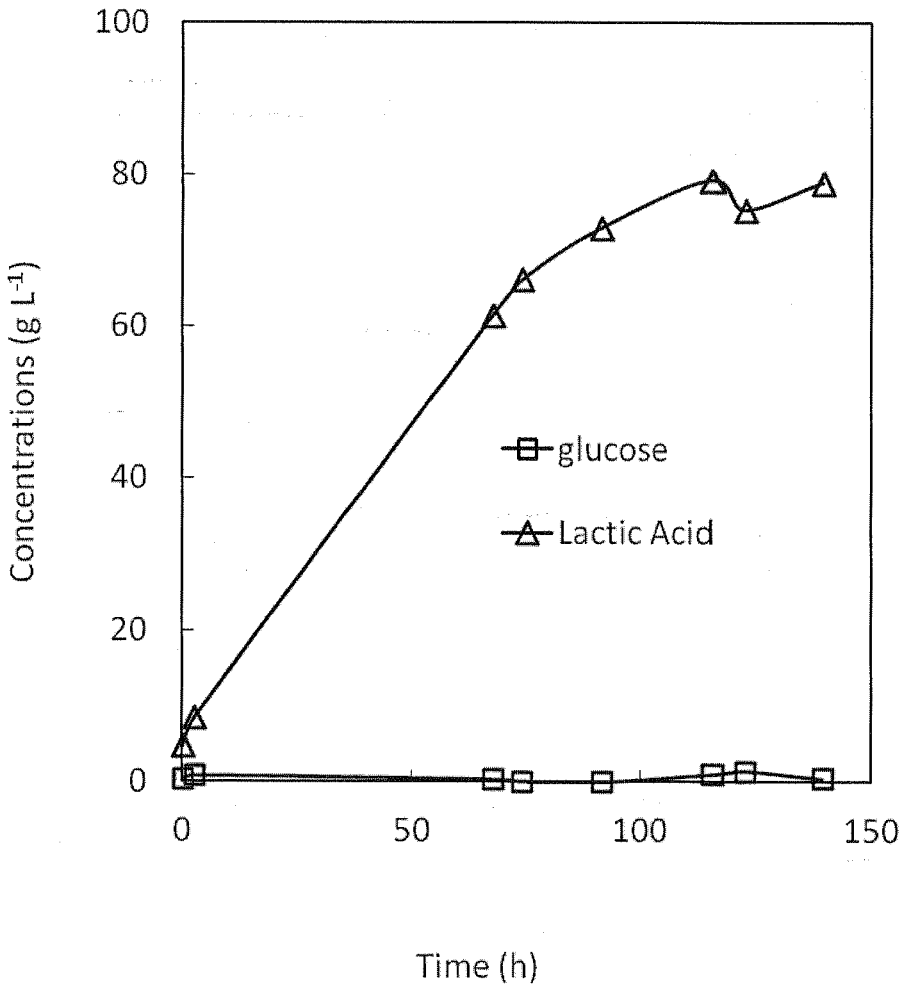
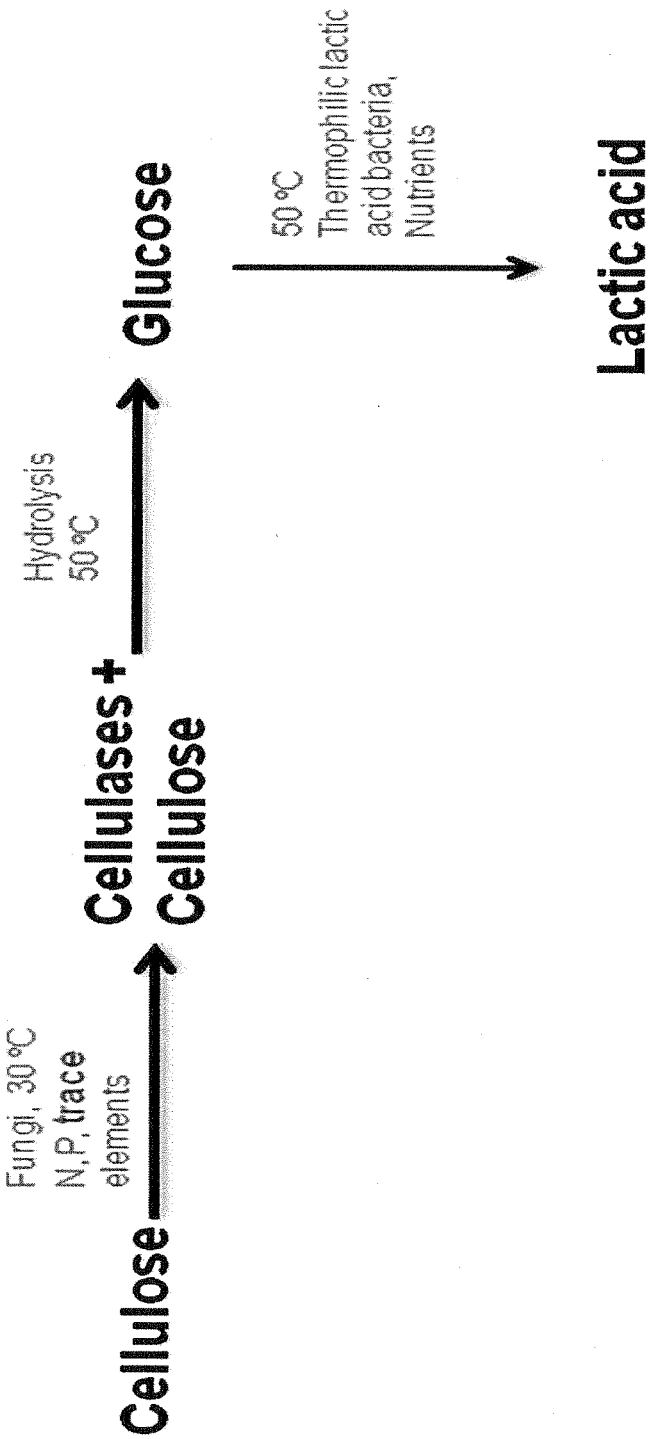

100
80
60
40
20
0
Concentrations (g L-1)
0
50
100
150
Time (h)
glucose
Lactic Acid

Figure 4


Cellulose
Fungi, 30 °C
N, P, trace
elements
Cellulose
Cellulases +
Cellulose
Hydrolysis
50 °C
Glucose
50 °C
Thermophilic lactic
acid bacteria,
Nutrients
Lactic acid