Figure 1

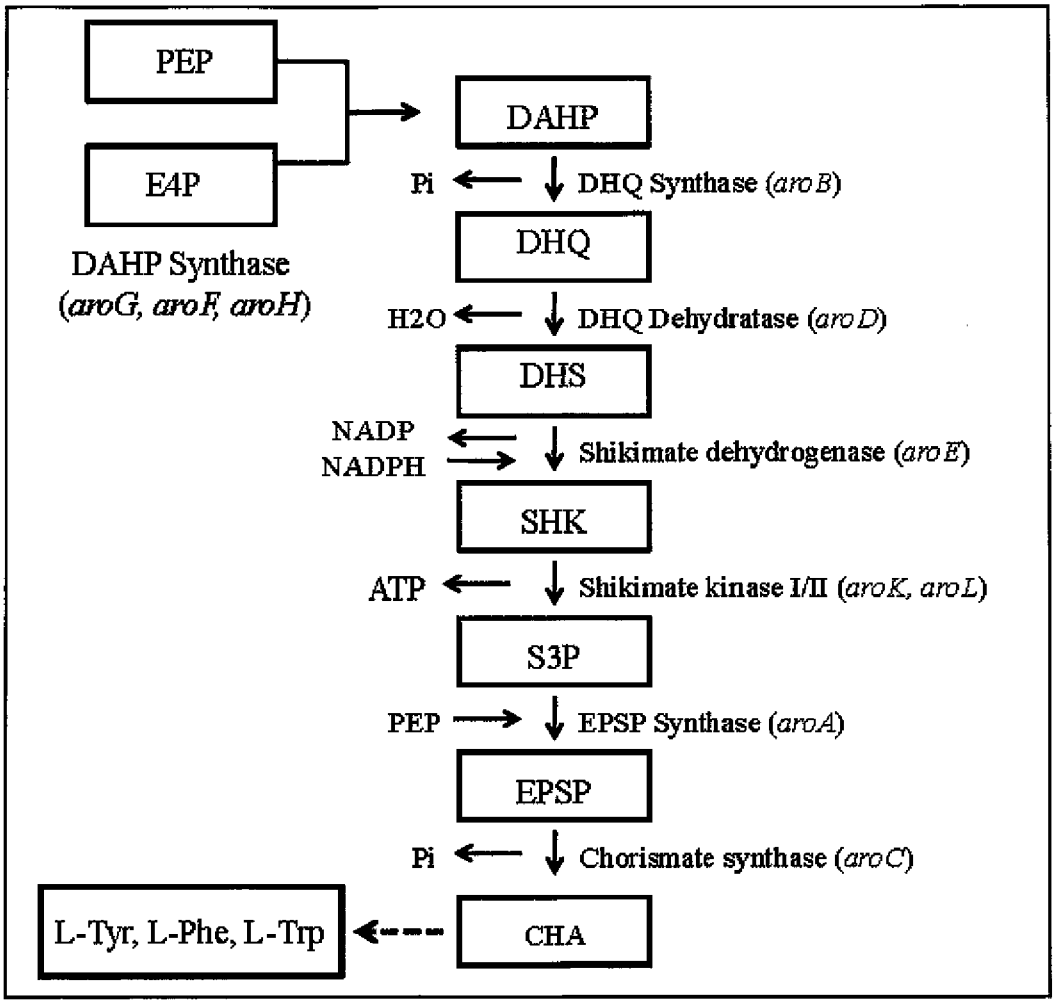

PEP
E4P
DAHP Synthase
(aroG, aroF, aroH)
DAHP
Pi
DHQ Synthase (aroB)
DHQ
H2O
DHQ Dehydratase (aroD)
DHS
NADP
NADPH
Shikimate dehydrogenase (aroE)
SHK
ATP
Shikimate kinase I/II (aroK, aroL)
S3P
PEP
EPSP Synthase (aroA)
EPSP
Pi
Chorismate synthase (aroC)
CHA
L-Tyr, L-Phe, L-Trp

Figure 2

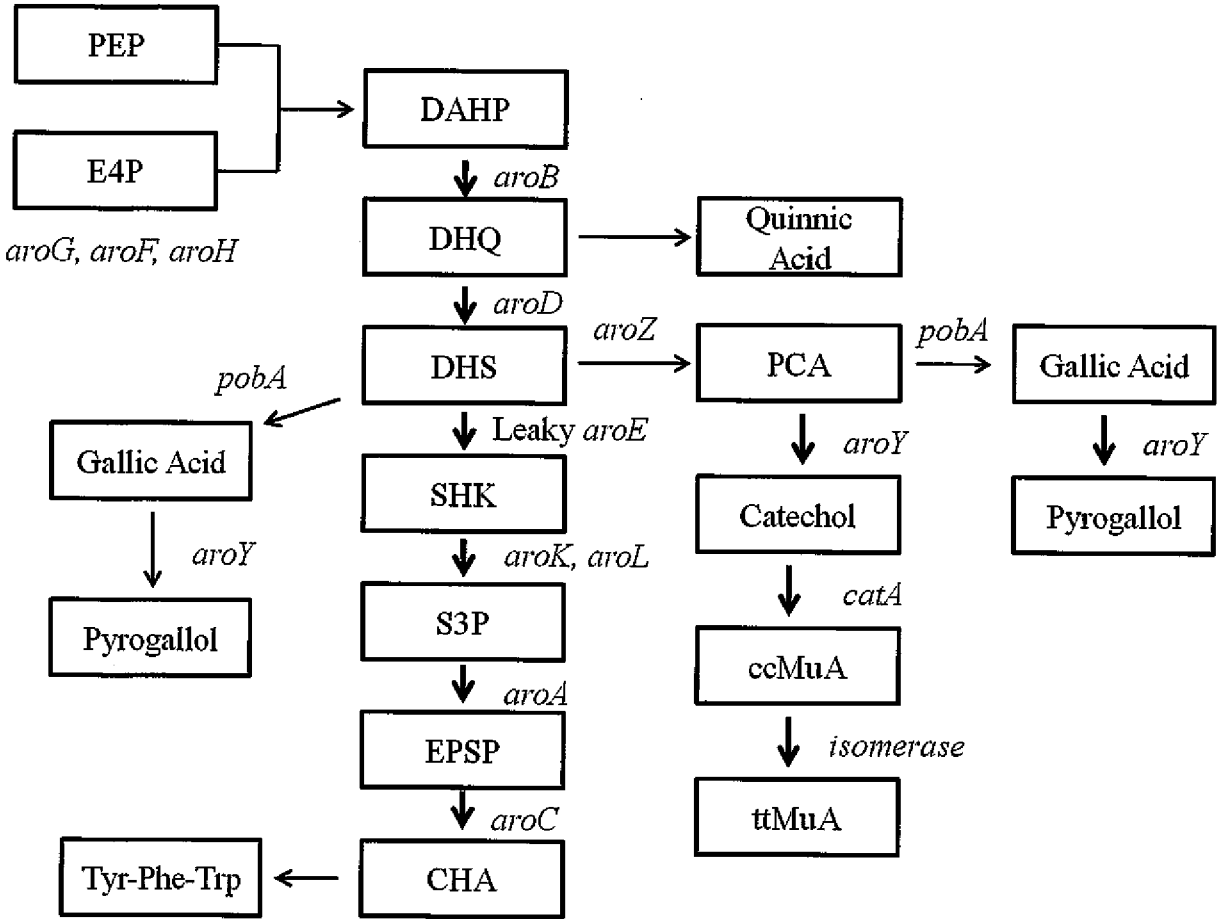

PEP
E4P
aroG, aroF, aroH
DAHP
aroB
DHQ
Quinnic Acid
aroD
DHS
aroZ
PCA
pobA
Gallic Acid
aroY
Pyrogallol
pobA
Gallic Acid
aroY
Pyrogallol
Leaky aroE
SHK
aroK, aroL
S3P
aroA
EPSP
aroC
CHA
Tyr-Phe-Trp
aroY
Catechol
catA
ccMuA
isomerase
ttMuA

Figure 3

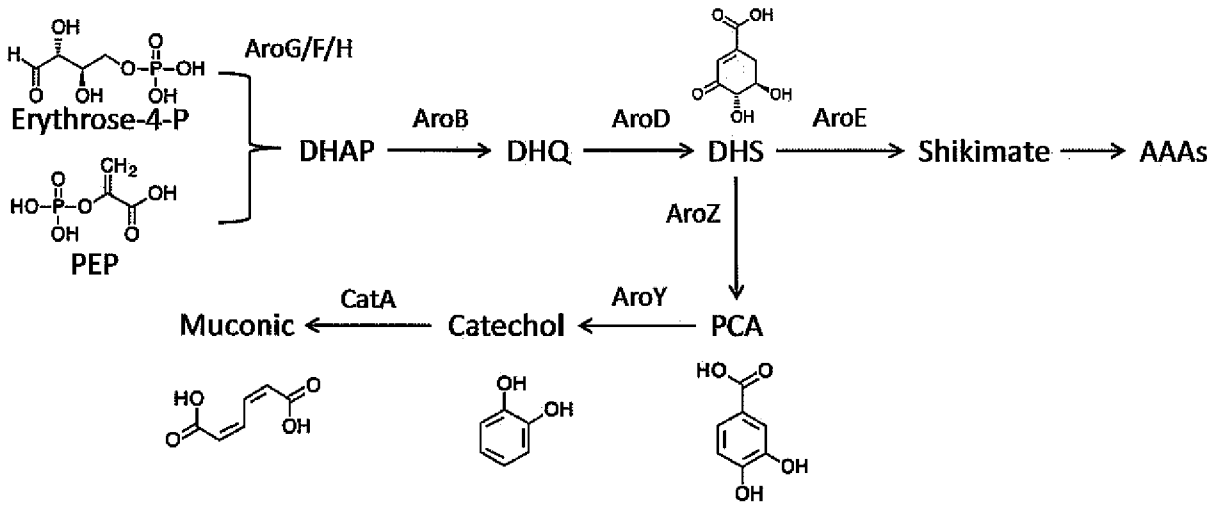

Erythrose-4-P
PEP
AroG/F/H
DHAP
AroB
DHQ
AroD
DHS
AroE
Shikimate
AAAs
AroZ
PCA
AroY
Catechol
CatA
Muconic

Figure 4

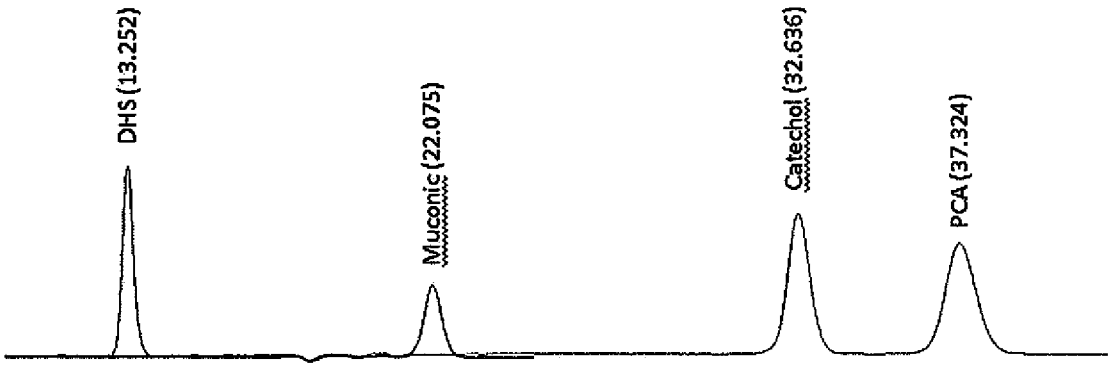


Figure 5

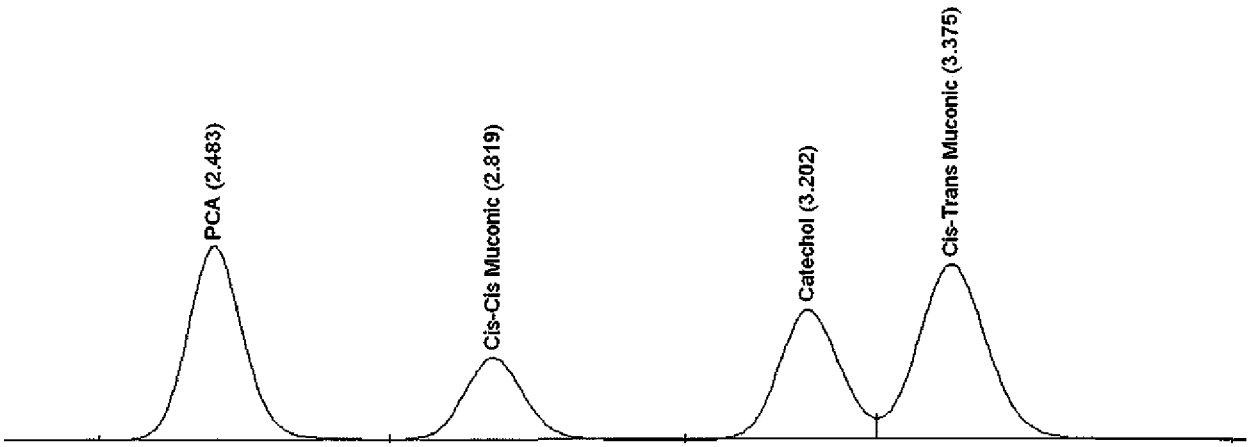


Figure 6

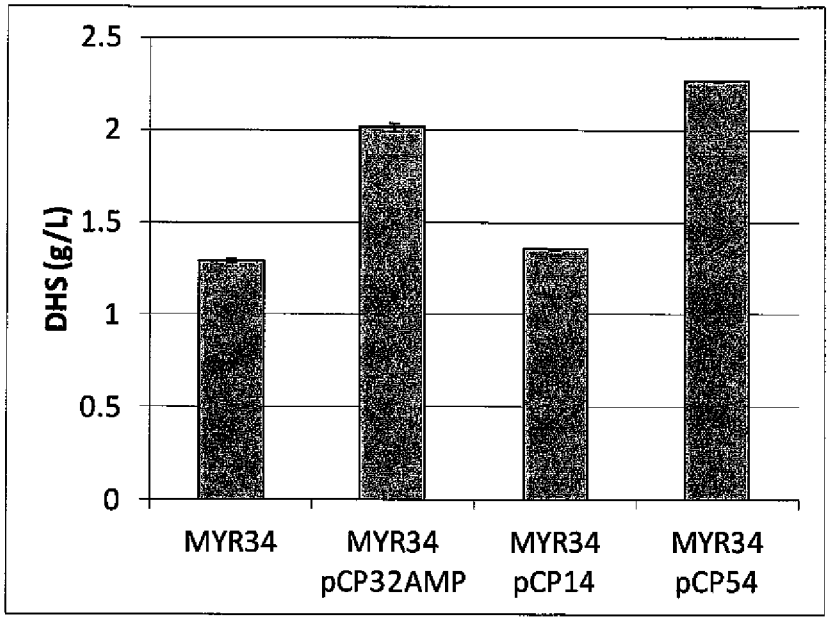


Figure 7

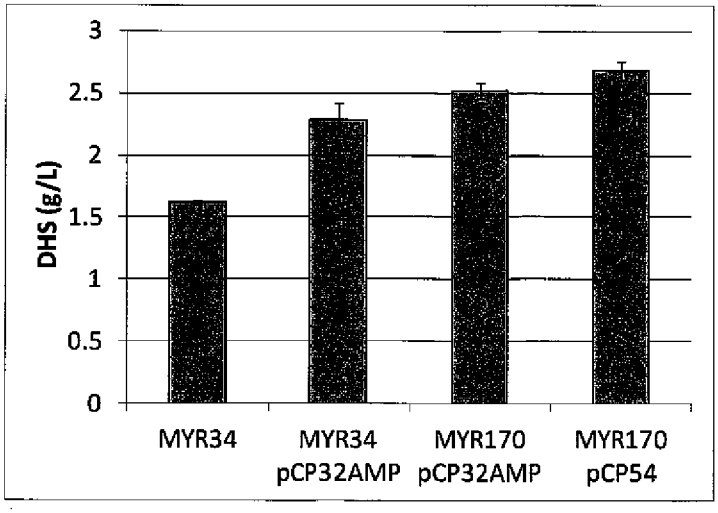


Figure 8

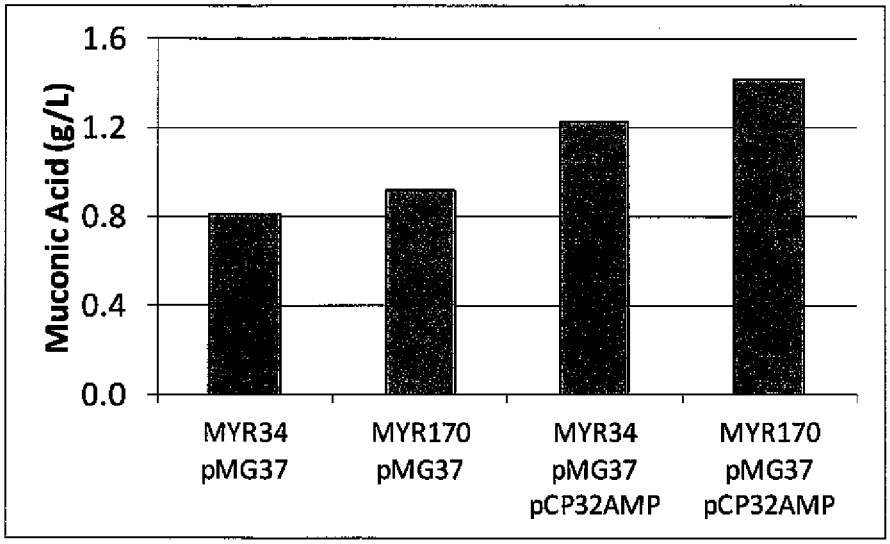


Figure 9

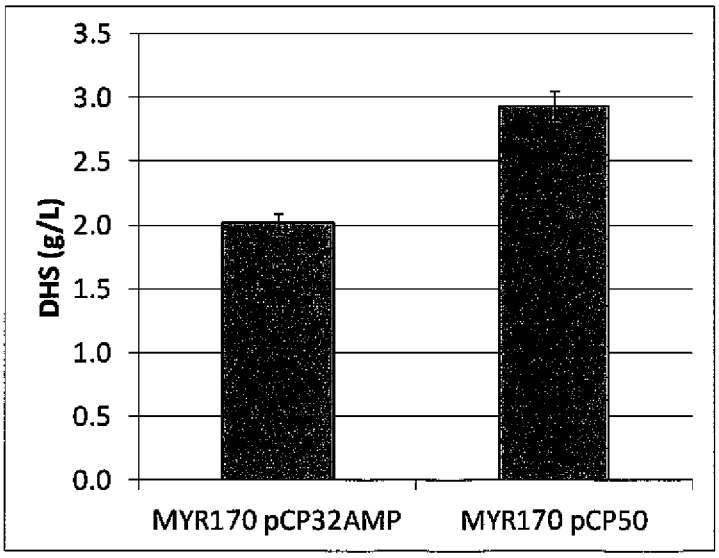


Figure 10

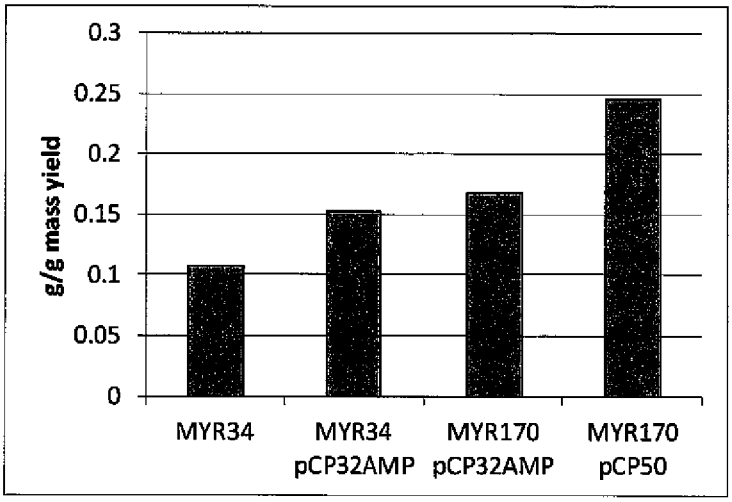


Figure 11

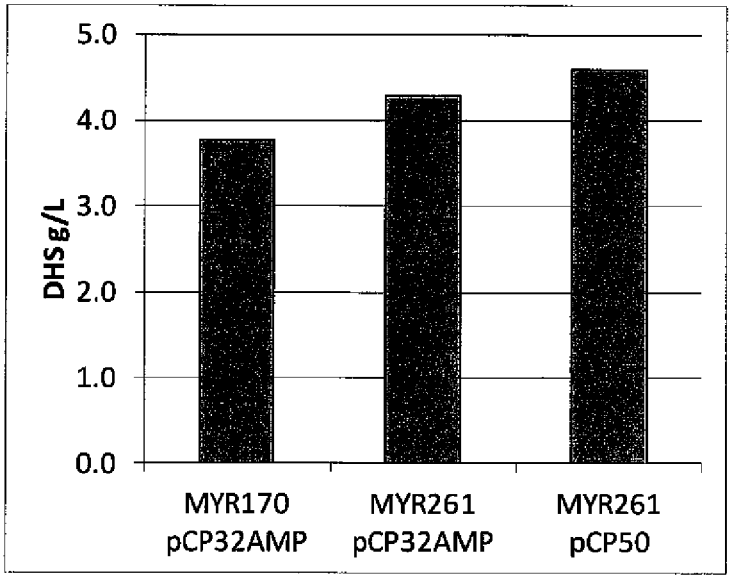


Figure 12

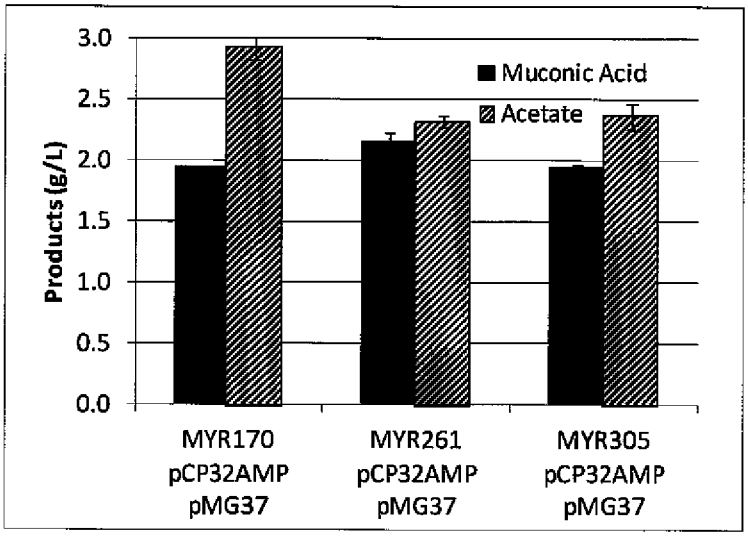


Figure 13

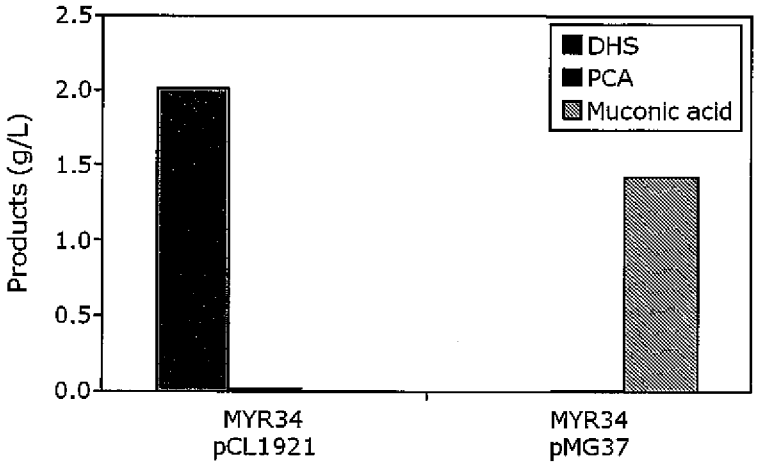


Figure 14

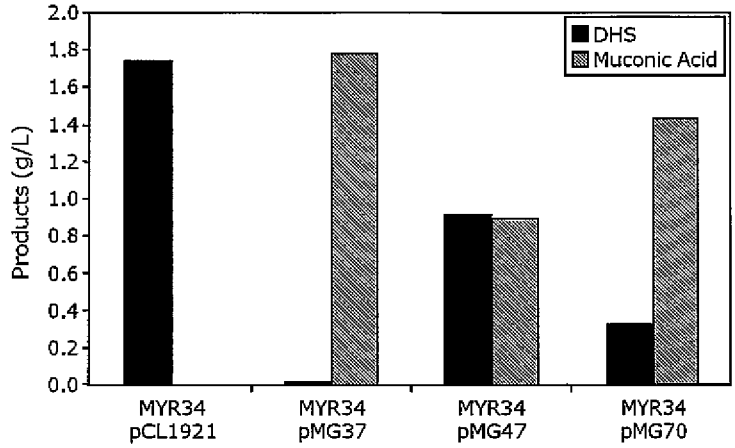


Figure 15

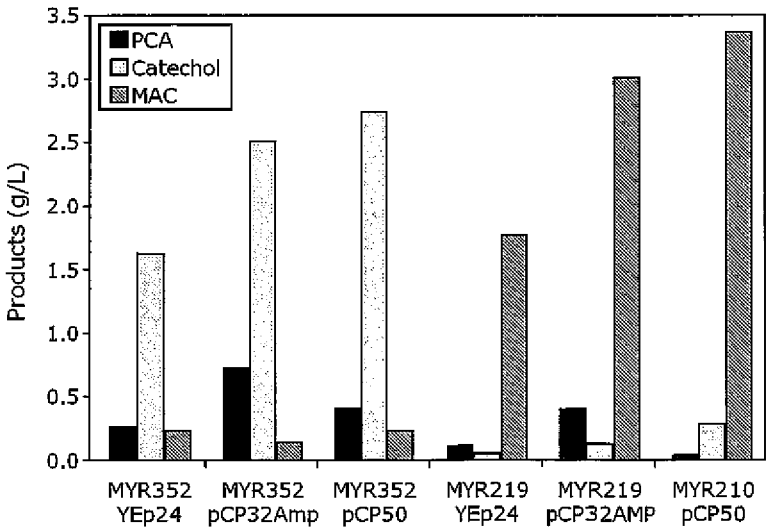


Figure 16

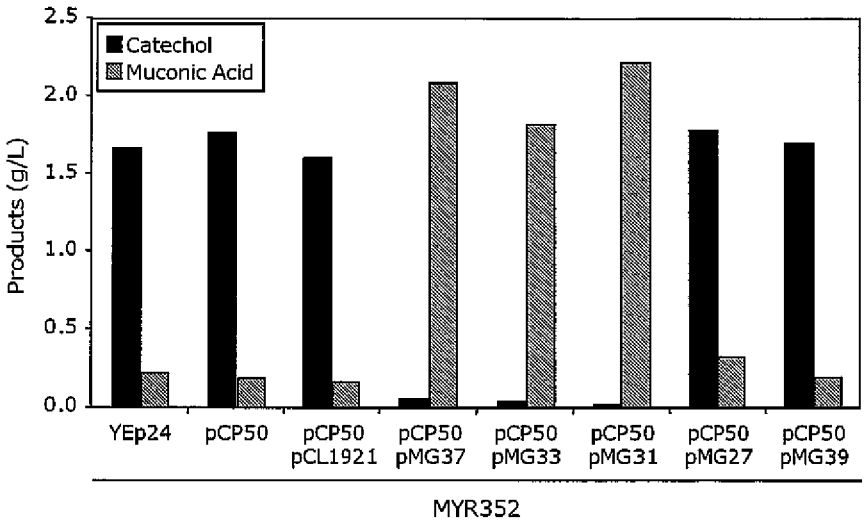


Figure 17

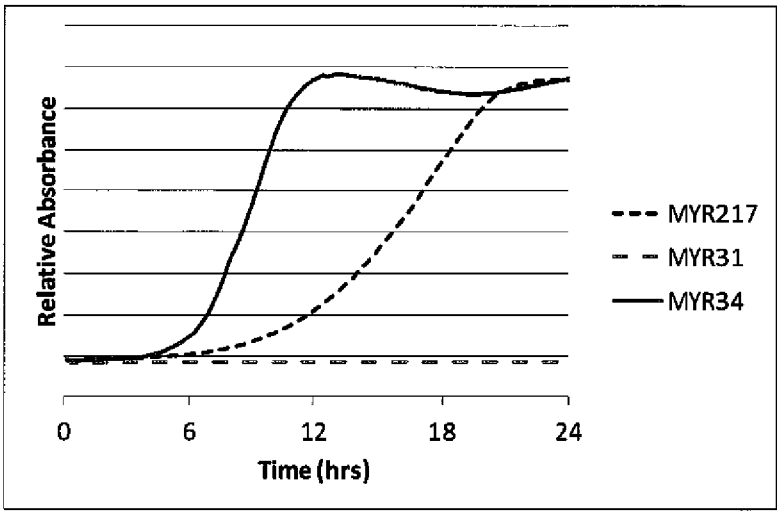


Figure 18

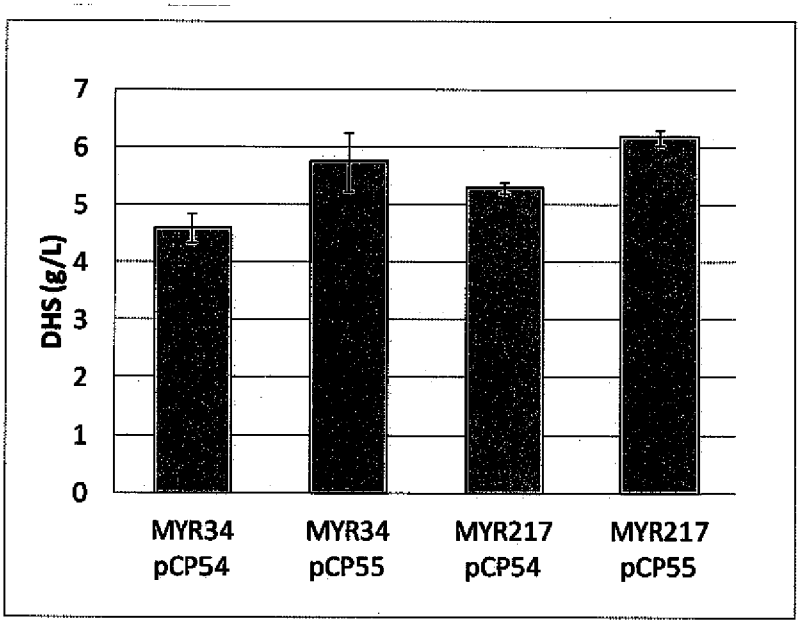


Figure 19

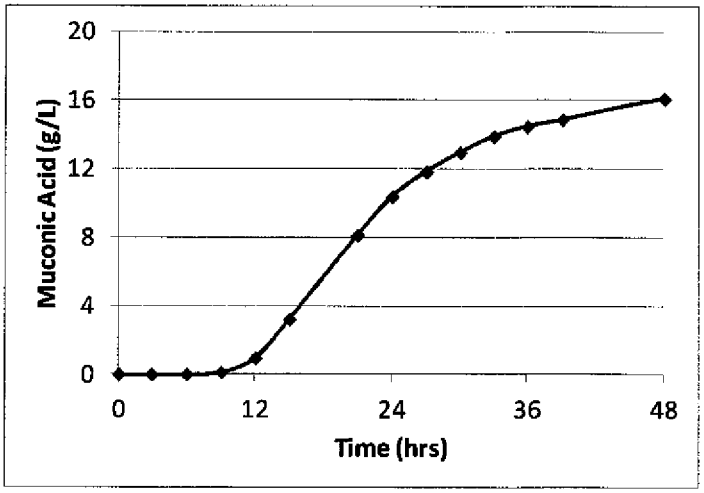


Figure 20

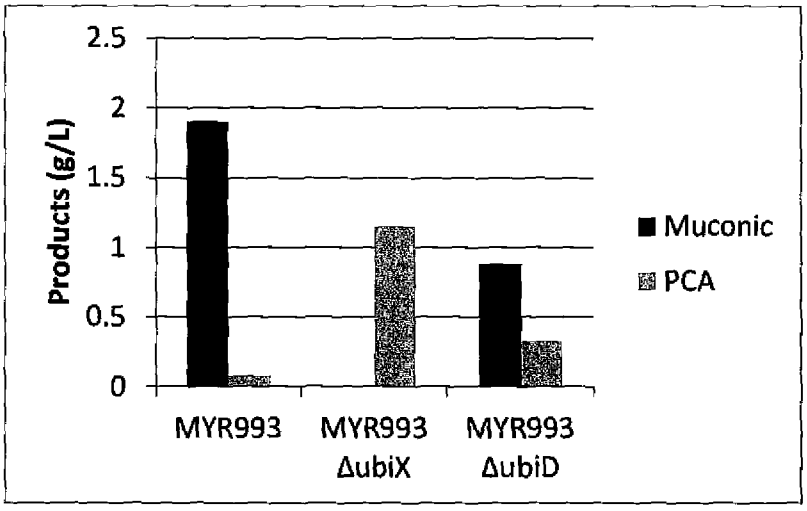


Figure 21

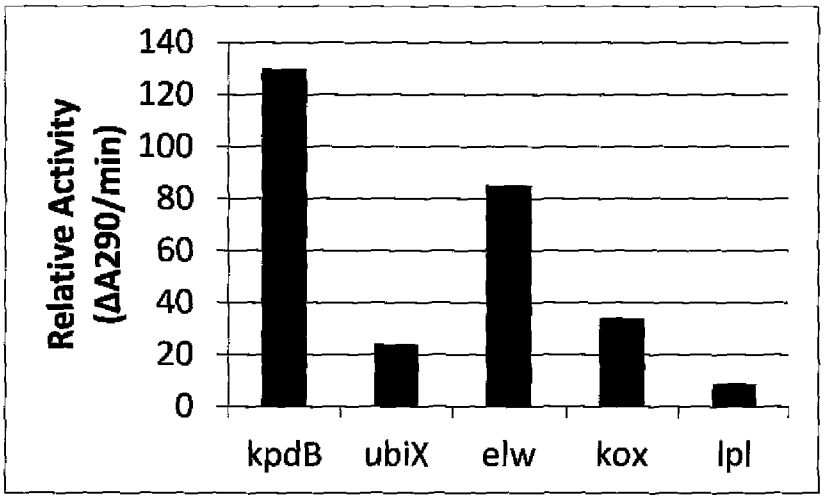


Figure 22

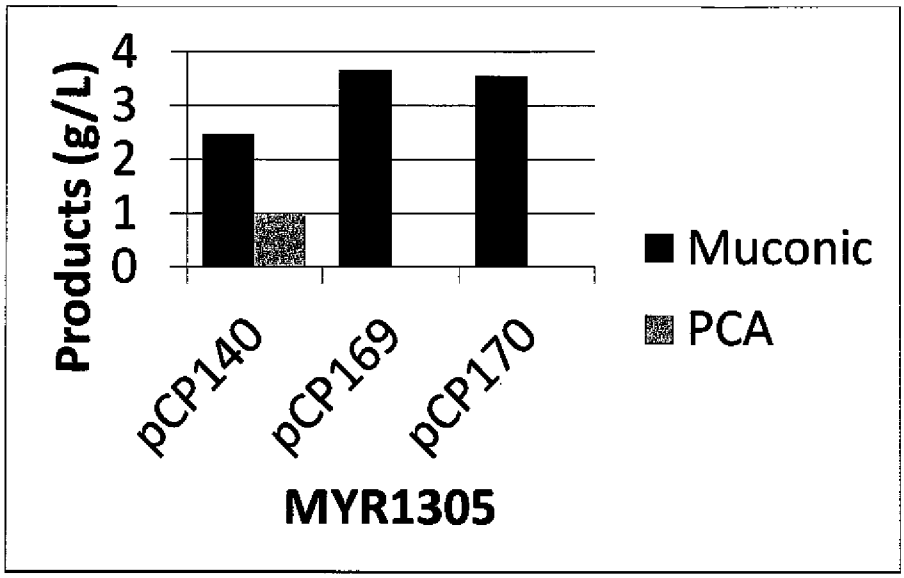


Figure 23

