FIG. 1

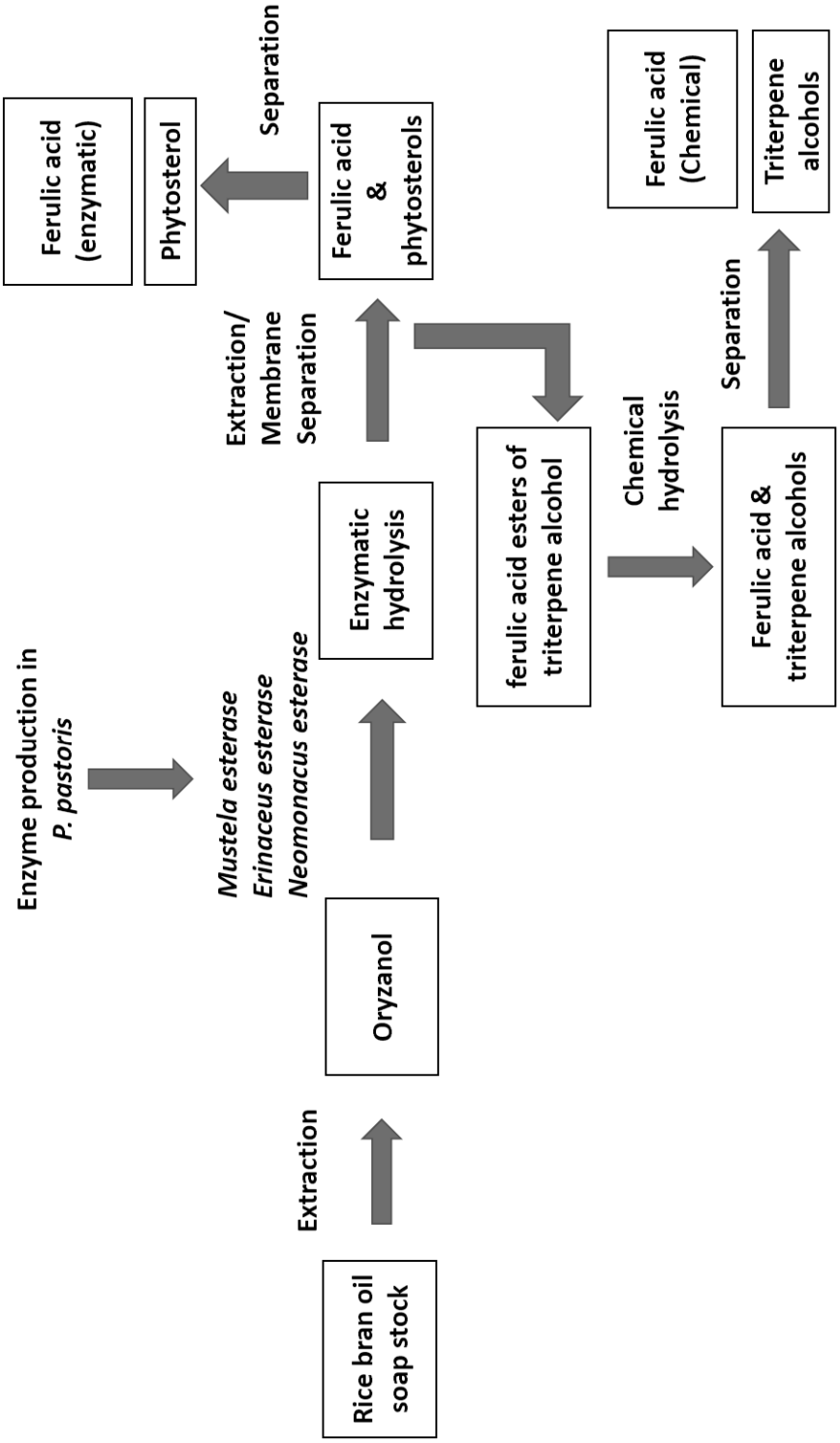

Rice bran oil soap stock
Extraction
Oryzanol
Enzyme production in *P. pastoris*
Mustela esterase
Erinaceus esterase
Neomonacus esterase
Enzymatic hydrolysis
Extraction/ Membrane Separation
Ferulic acid & phytosterols
Separation
Phytosterol
Ferulic acid (enzymatic)
ferulic acid esters of triterpene alcohol
Chemical hydrolysis
Ferulic acid & triterpene alcohols
Separation
Triterpene alcohols
Ferulic acid (Chemical)

FIG. 2

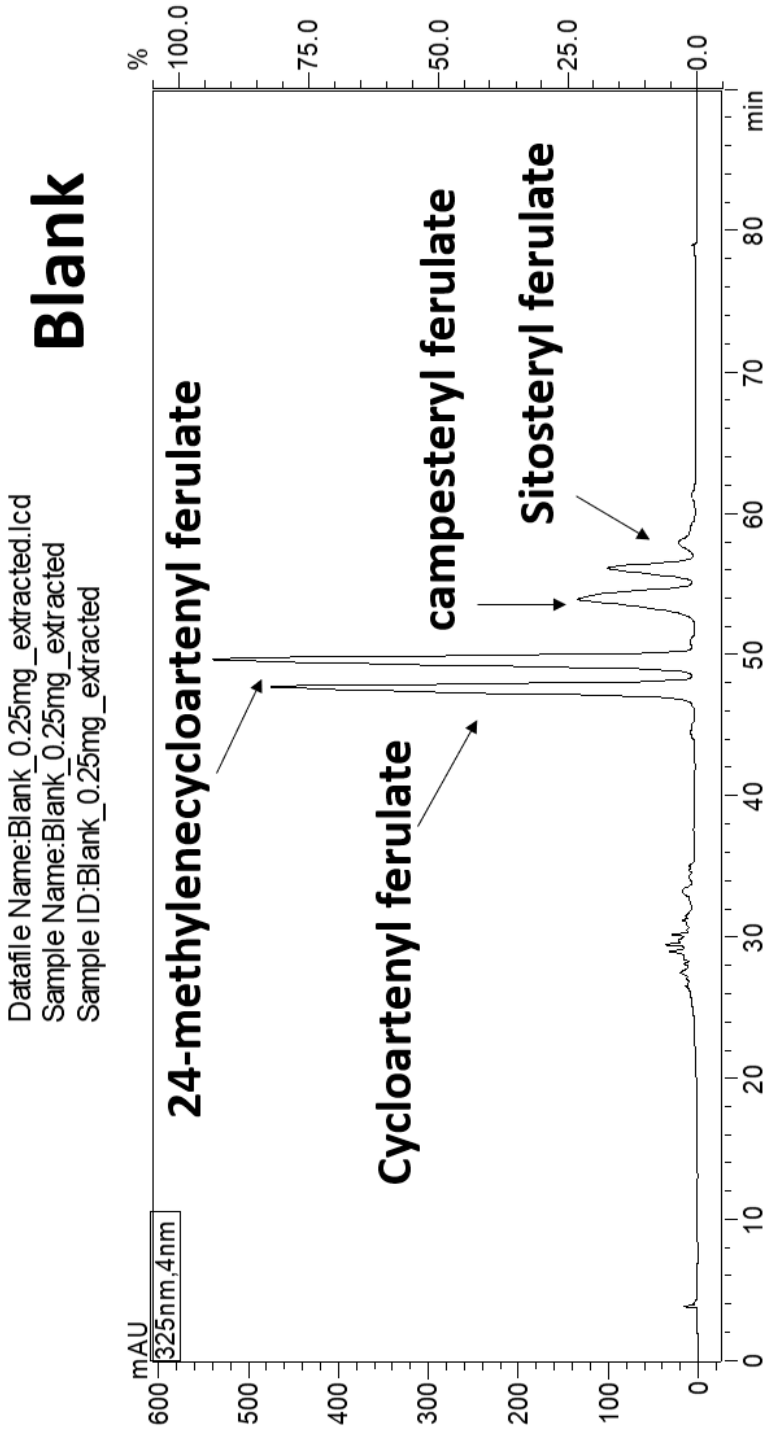

Blank
Datafile Name:Blank_0.25mg_extracted.lcd
Sample Name:Blank_0.25mg_extracted
Sample ID:Blank_0.25mg_extracted
325nm,4nm
mAU
%
min
24-methylenecycloartenyl ferulate
Cycloartenyl ferulate
campesteryl ferulate
Sitosteryl ferulate

FIG. 2 continued

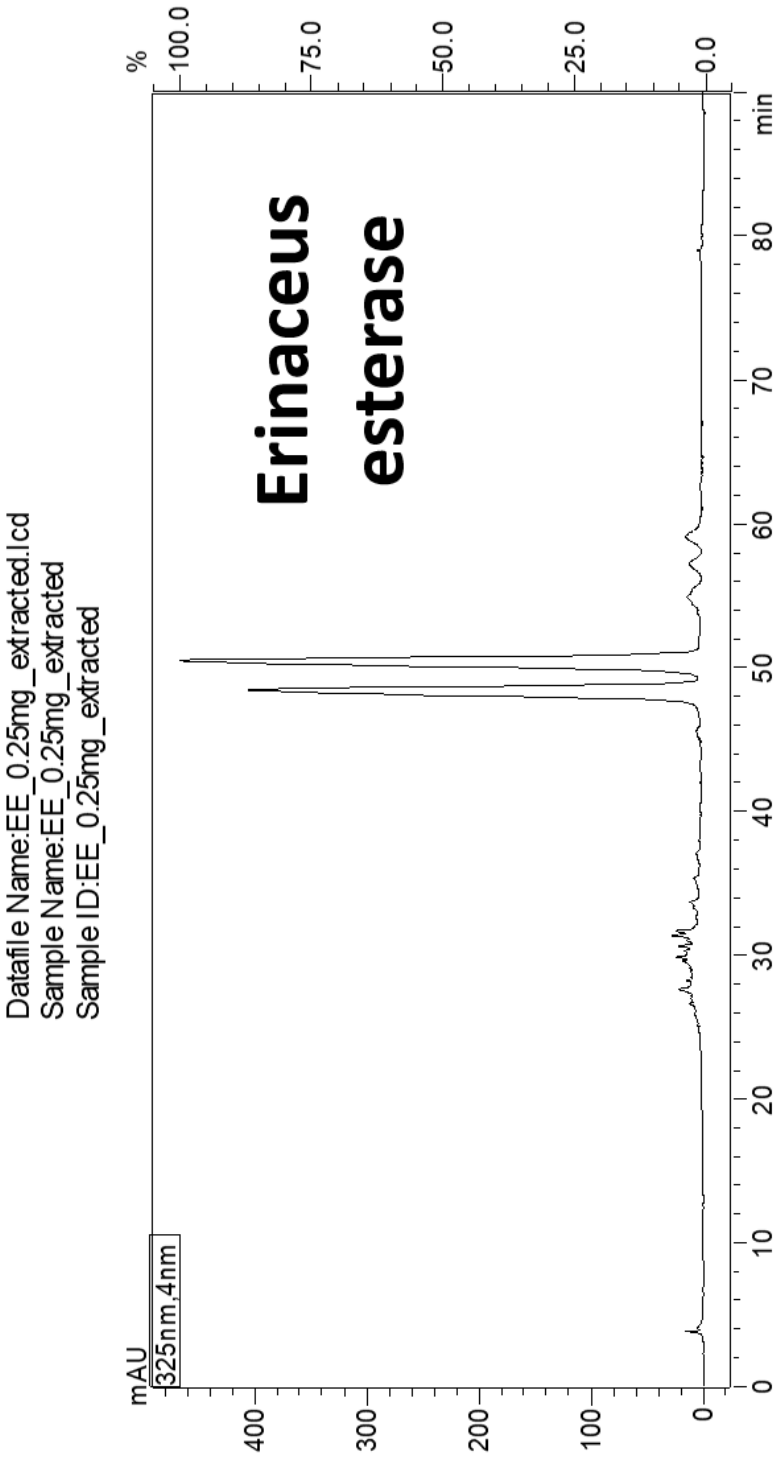


FIG. 2 continued

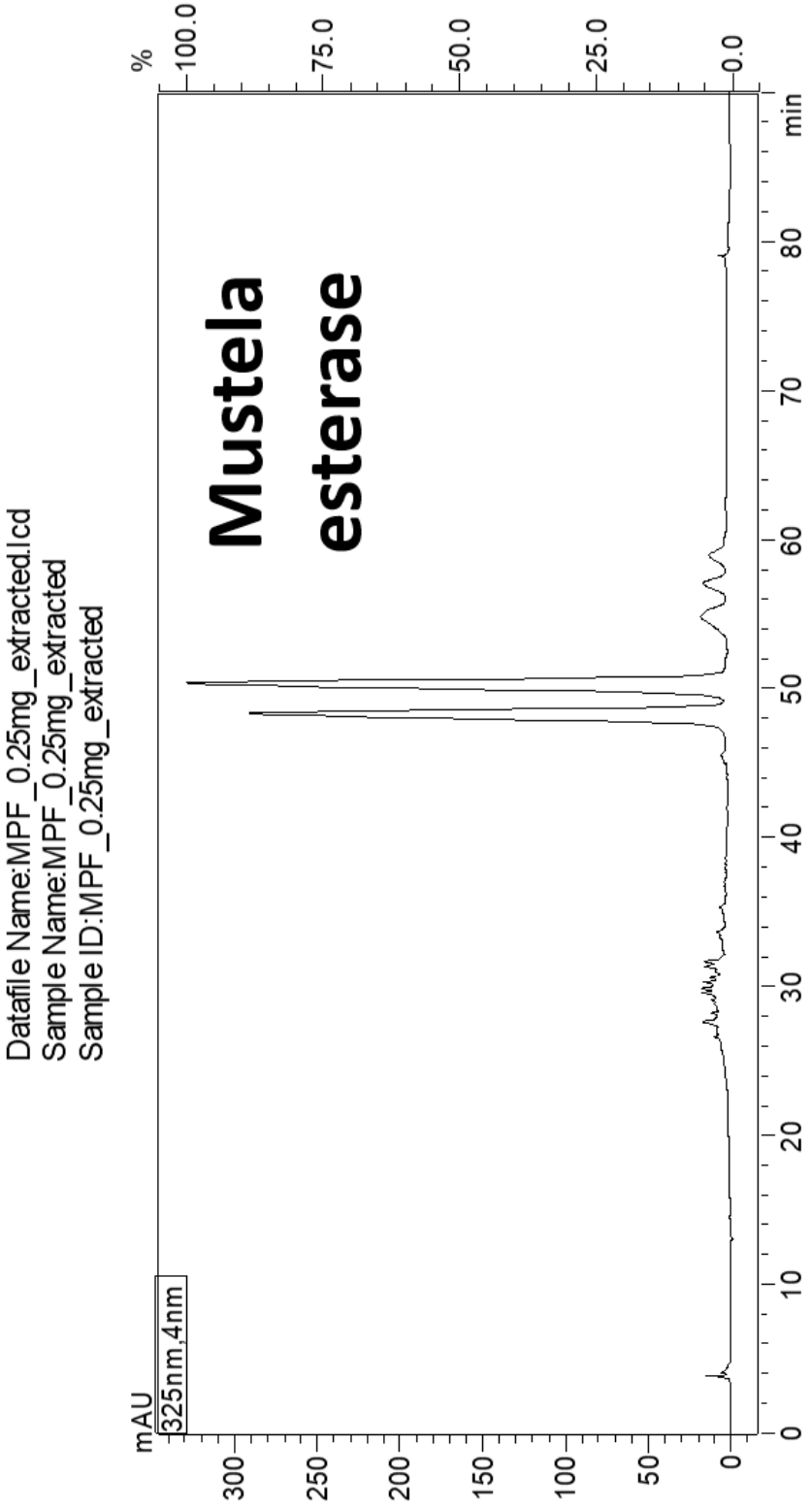


FIG. 3

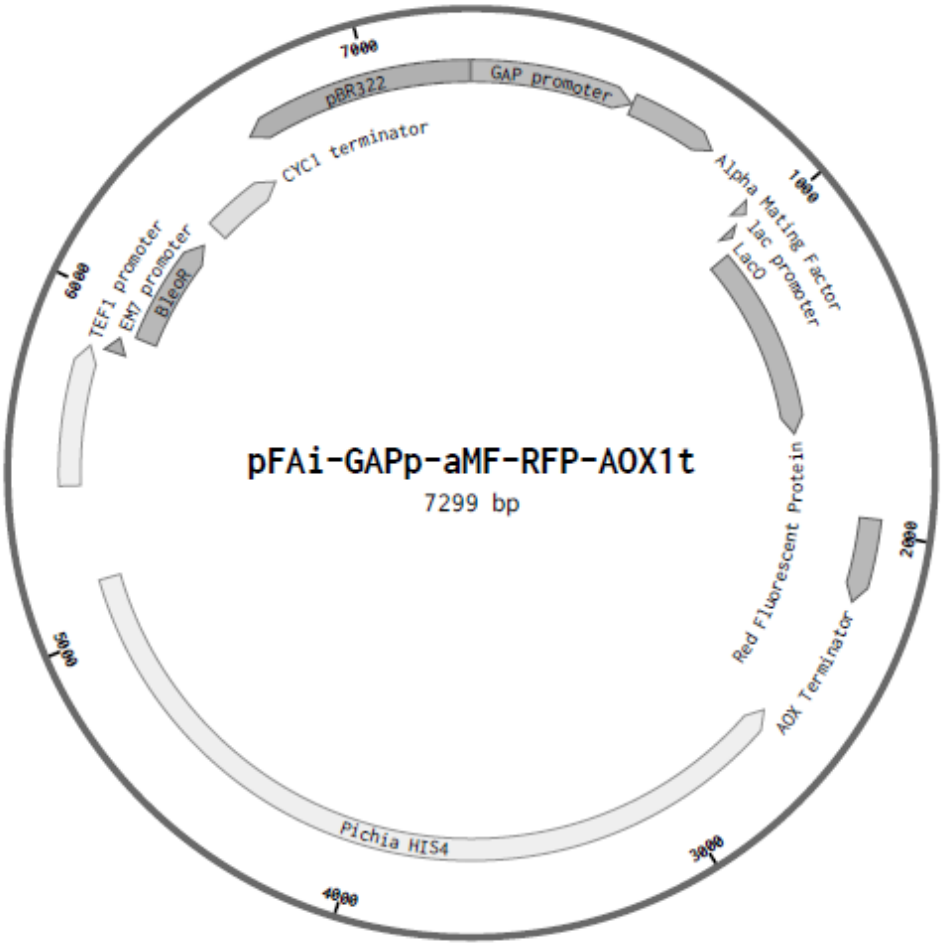

pFAi-GAPp-aMF-RFP-AOX1t
7299 bp
7000
pBR322
GAP promoter
Alpha Mating Factor
1000
lac promoter
LacO
Red Fluorescent Protein
2000
AOX Terminator
3000
Pichia HIS4
4000
5000
6000
TEF1 promoter
EM7 promoter
BleoR
CYC1 terminator

FIG. 4

