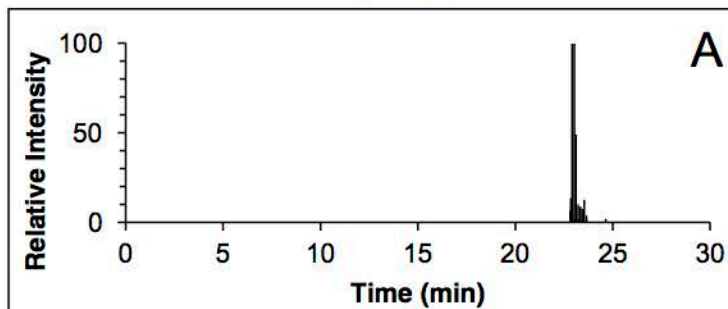


Figure S4

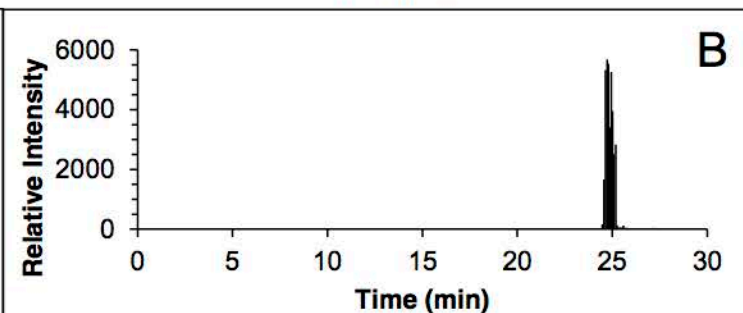
Unmodified

Modified

WT

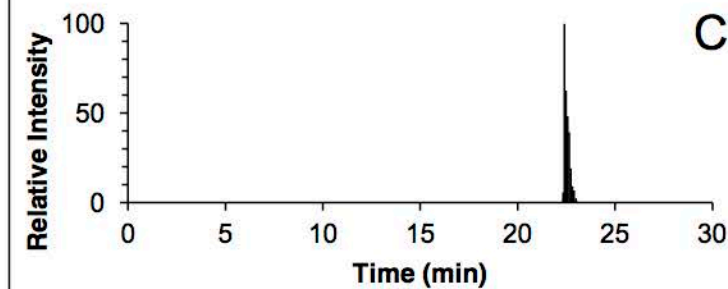


A

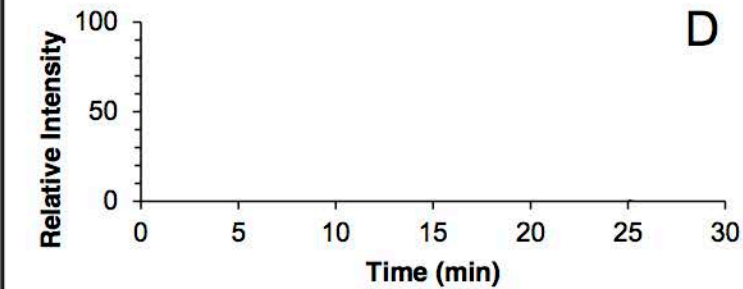


B

$\Delta yfkA$

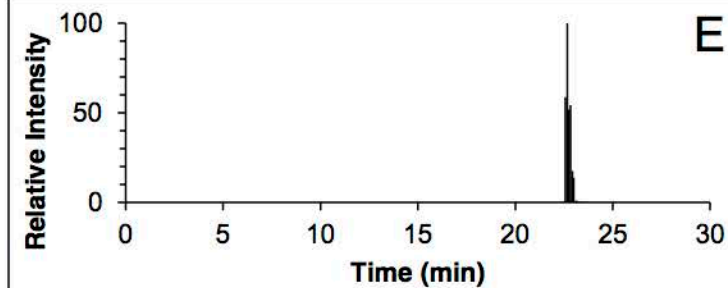


C

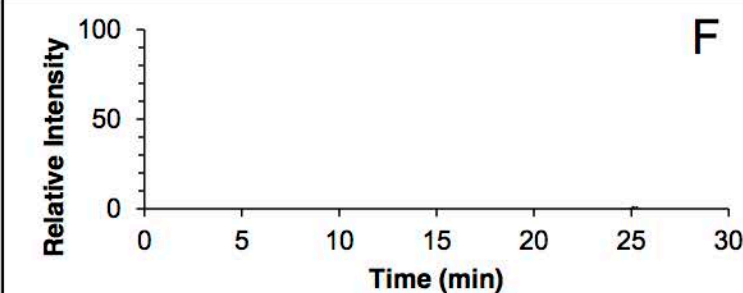


D

$\Delta ywIG$

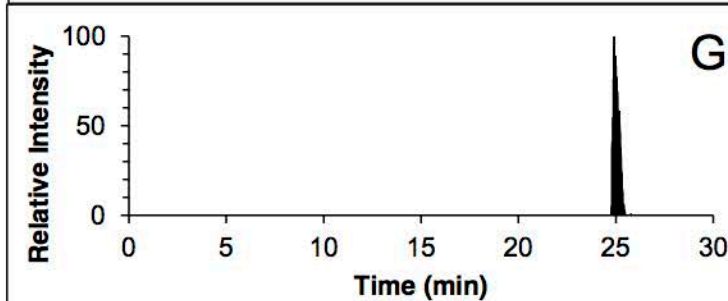


E

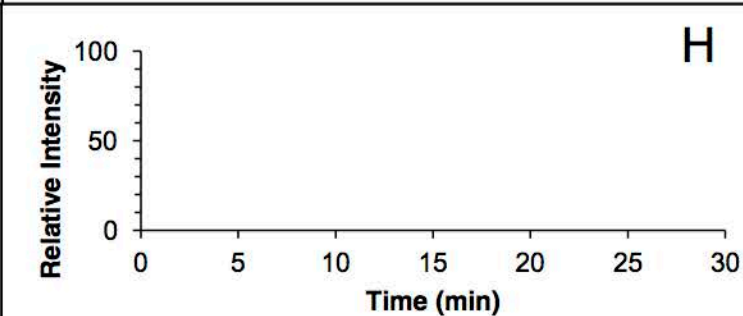


F

$\Delta yaaO$



G



H