

Additional file 1
for
A simple strategy to effectively produce D-lactate in crude
glycerol-utilizing *Escherichia coli*

Yao-De Wang,¹ Jin-Yi Liao,¹ Chung-Jen Chiang,^{2,*} and Yun-Peng Chao,^{1,3,4*}

¹Department of Chemical Engineering, Feng Chia University, 100 Wenhwa Road, Taichung, Taiwan 40724

²Department of Medical Laboratory Science and Biotechnology, China Medical University, No. 91, Hsueh-Shih Road, Taichung, Taiwan 40402

³Department of Medical Research, China Medical University Hospital, Taichung 40447, Taiwan

⁴Department of Health and Nutrition Biotechnology, Asia University, Taichung 41354, Taiwan

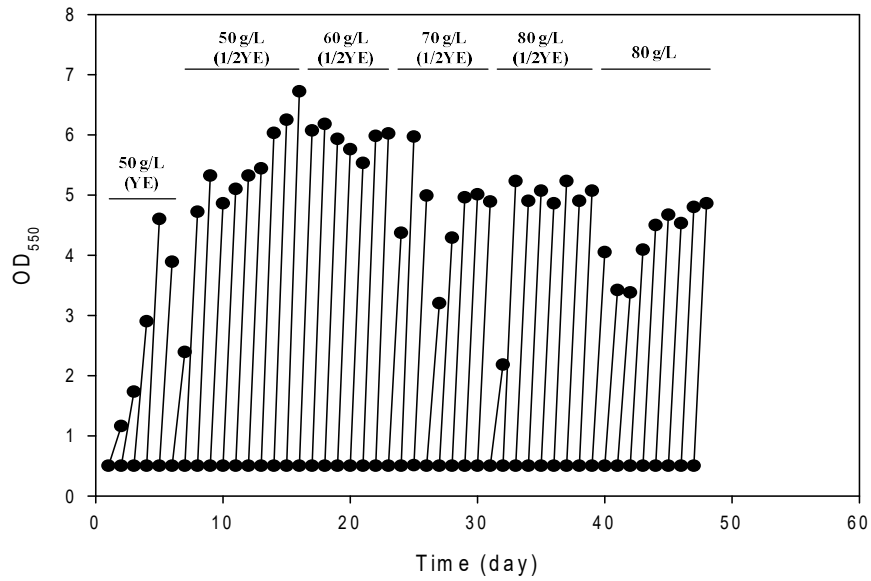


Figure S1 The time course of the *E. coli* strain undergoing adaptive evolution. The strain was first cultured in a shake flask containing crude glycerol (50 g/L) plus yeast extract (YE) of 10 g/L. The serial subculture was performed every 24 h. During the evolution course, YE was reduced by half (1/2 YE) and crude glycerol was gradually increased as indicated. Finally, the strain was transferred to the medium containing 80 g/L crude glycerol without YE.