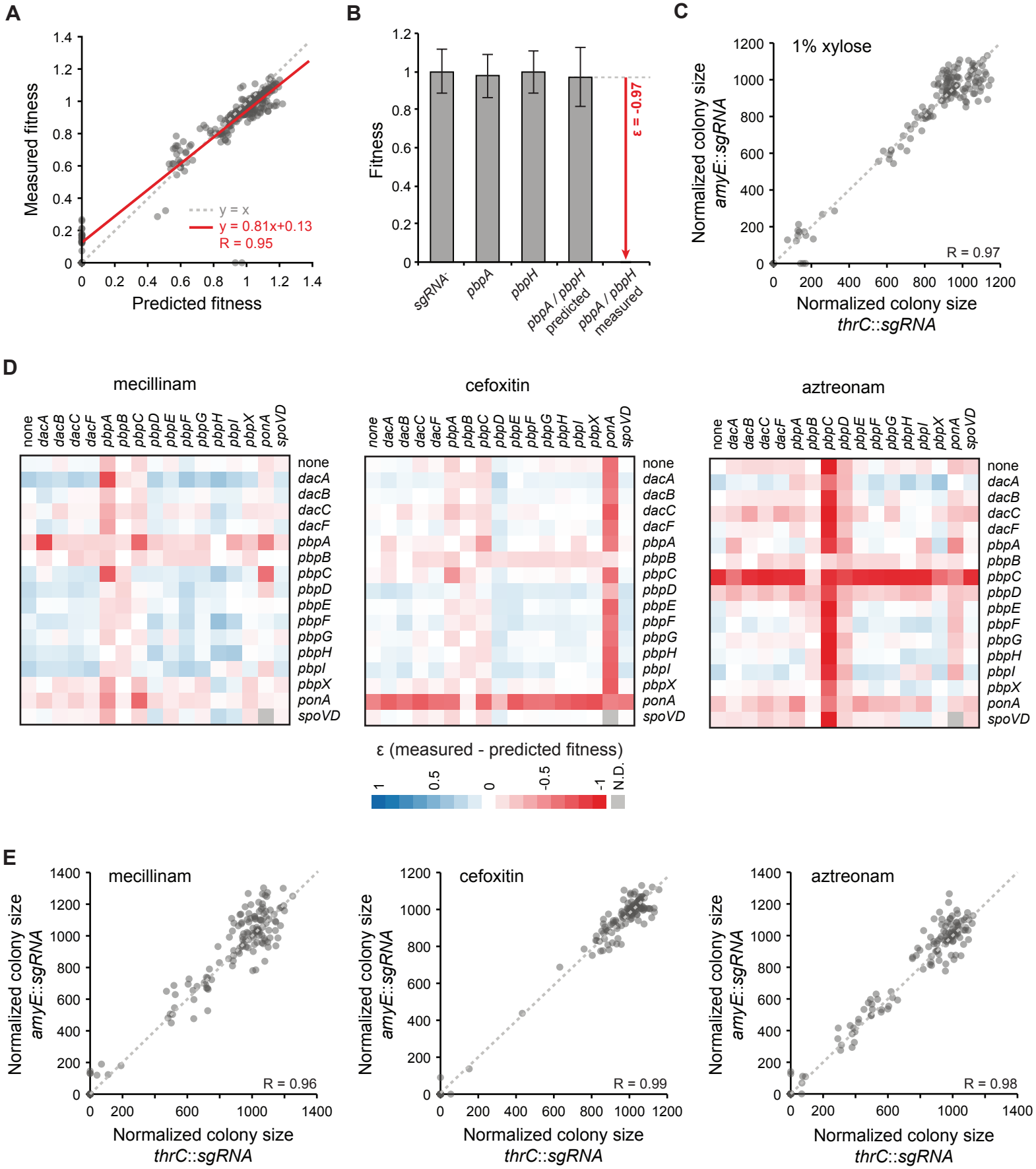
Figure S7


A
Measured fitness
Predicted fitness
y = x
y = 0.81x+0.13
R = 0.95
B
Fitness
ε = -0.97
sgRNA-
pbpA
pbpH
pbpA / pbpH predicted
pbpA / pbpH measured
C
1% xylose
Normalized colony size amyE::sgRNA
Normalized colony size thrC::sgRNA
R = 0.97
D
mecillinam
cefoxitin
aztreonam
none dacA dacB dacC dacF pbpA pbpB pbpC pbpD pbpE pbpF pbpG pbpH pbpI pbpX ponA spoVD
ε (measured - predicted fitness)
1 0.5 0 -0.5 -1 N.D.
E
mecillinam
cefoxitin
aztreonam
Normalized colony size amyE::sgRNA
Normalized colony size thrC::sgRNA
R = 0.96
R = 0.99
R = 0.98