



**Fig. S1. Growth of *P. aeruginosa* strains at a sub-inhibitory antibiotic concentration.** Curves represent optical density measurements in the presence of 8 mg/L of fosfomycin (one half the MIC for the wild-type). Under this experimental setting, a *glpT* knock-out resistant mutant (black triangles) was estimated to grow an average of 2.7 times faster than the wild-type strain (grey circles). This is equal, in terms of our model, to approximately  $r=5.4$  offspring per generation.