

Table S1: Lag times and times to saturation for ρ^* vs. ρ^{WT} cells under a variety of conditions. Antibiotic-containing conditions and carbon sources yielding extremely slow growth were omitted because they show atypical growth curves for which classical definitions of lag time do not apply (and are often negative). Ranges indicate 95% confidence intervals based on draws from the posterior distributions of model parameters. Quantities showing significant differences are bolded if they favor ρ^* cells over ρ^{WT} , and italicized if they favor ρ^{WT} cells over ρ^* (for growth rates, we consider all values relative to growth in M9t/glucose when determining whether they favor WT or ρ^* cells).

Media	Ratio of growth rates ($\rho^* / \rho^{\text{WT}}$)	Difference of lag times ($\rho^* - \rho^{\text{WT}}$)	Difference of saturation times ($\rho^* - \rho^{\text{WT}}$)
M9t/acetate	1.171	-4.902 (-8.777 - -1.001)	-1.627 (-6.330-3.049)
M9t/AKG	<i>1.031</i>	<i>1.729</i> (0.941 - 2.519)	0.177 (-0.760 - 1.121)
M9t/arabinose	1.092	-0.457 (-0.990 - 0.056)	5.351 (-13.436 - 25.248)
M9t/glucose	1.061	-0.009 (-0.137 - 0.117)	-0.008 (-2.103 - 2.125)
M9t/glycerol	1.102	-0.023 (-0.538 - 0.491)	-2.850 (-5.405 - -0.328)
M9t/lactose	1.133	-0.284 (-0.647 - 0.083)	-6.165 (-10.479 - -2.462)
LB	1.052	<i>0.229</i> (0.063 - 0.400)	-3.230 (-5.012 - -1.369)
M9t/pyruvate	<i>0.879</i>	0.645 (-0.645 - 1.954)	-0.455 (-3.564 - 2.716)
M9t/Tween20	<i>0.947</i>	-5.456 (-10.563 - -0.140)	4.205 (-1.696 - 10.306)
M9t/xylose	1.179	-0.087 (-0.362 - 0.185)	-8.131 (-22.546 - 6.256)
M9t/ribose	1.155	-3.693 (-5.951 - -1.483)	-1.357 (-3.460 - 0.977)
M9t/lactate	<i>0.930</i>	<i>1.658</i> (1.294 - 2.020)	3.287 (-0.667 - 7.232)