

Table S2: Comparison of ODELAY with other growth phenotype assays

Method	Assay type	Measure	Temporal analysis	Pixel resolution	Measures Lag	Measures Doubling Time	Measures Carrying Capacity	Measures Clonal Heterogeneity	Reported Throughput
BioScreen™	Liquid Culture	Optical Density at 600nm	Yes	NA	Estimated	Directly	Directly	No	200 growth curves /instrument
SGA –Boone Lab	Colony Pinning onto Agar	Patch Area	No	24 µm min ~42 µm typical	No	No	Directly	No	1536 patches /plate typical
ScanLag	Colony Pinning onto Agar	Patch Area	Yes	24 µm min ~42 µm typical	Estimated	Directly	Directly	No	1536 /plate typical
Ultra-High Density Omics	Colony Pinning onto Agar	Patch Area	Yes	~30 µm/pixel	No	Directly	Directly	No	6144 growth curves /plate
ScanoMatic	Colony Pinning to Agar	Patch Area	Yes	24 µm min ~42 µm typical	Estimated	Directly	Directly	No	1536 growth curves /plate typical
Bet Hedging	Liquid Culture	Multiple Colony Area	Yes	0.65µm Est	No	Directly	No	Directly	96 strains 1-1000 growth curves per strain
ODELAY	Single cell spotting onto Agar	Multiple Colony Area	Yes	0.65µm	Directly	Directly	Directly	Directly	96 strains 1-1000 growth curves per strain