

## List of high-throughput colony array analysis software

Wiki Intro: [http://tyerslab.bio.ed.ac.uk/wikiworld/sga/index.php/Synthetic Genetic Analysis#Imaging yeast colony plates](http://tyerslab.bio.ed.ac.uk/wikiworld/sga/index.php/Synthetic_Genetic_Analysis#Imaging_yeast_colony_plates)

Software	Developing Lab	Year	Program	Image Capture	Function	Reference Paper
<a href="#">SGAtools</a>	Charlie Boone	2013	?	Camera	FA only - for low to medium throughput SGA screens. Has distortion and edge effect correction	<a href="#">Pubmed 23677617</a>
<a href="#">HT Colony Grid Analyzer</a>	Jonathan Weissman	2006	Matlab	Camera	CSM & FA	<a href="#">Pubmed 16859555</a>
<a href="#">ScreenMill</a>	Rodney Rothstein	2010	?	Flatbed Scanner	CSM (ImageJ) & FA (Web-based). Note: ScreenMill has no distortion, edge effect corrections	<a href="#">Pubmed 20584323</a>
<a href="#">Balony</a>	Chris Loewen	2013	?	(n/a)	CSM & FA	<a href="#">Pubmed 24305553</a>

CSM = Colony Size Measurement

FA = Fitness Analysis

Note: Most people use the software from either Charlie Boone (SGAtools) or Nevan Krogan (HT Colony Grid Analyzer) for analysis