

TABLE 1. Microarray timeline

When conducted	Activity
2 weeks in advance ^a	Transform yeast with plasmids (30' 2x during nonarray lab)
1 week in advance ^a	Grow and harvest yeast (few days)
Week 1	Extract RNA from yeast (3 hr)
Week 2	cDNA synthesis (3 hr)
Week 3	cDNA and Cy dye hybridizations ^b
Week 4	MAGIC Tool; gridding (3 hr)
Week 5	Identify induced and repressed genes (3 hr)
Week 6	Data analysis and database exploration ^c

^aOptional for students.

^bSequential; requires meeting over 2 days (see text).

^cAdditional nonlab time is required for lab report preparation.