

M1D6: Lipofection

10/1/15

Lab business

- Mod 1 major assignments
 - DNA engineering summary
 - DNA mini-presentation
- Redraft of Results section due Oct. 2 at 5p
 - Email to Noreen
- Next time
 - Lab treat (quiz)



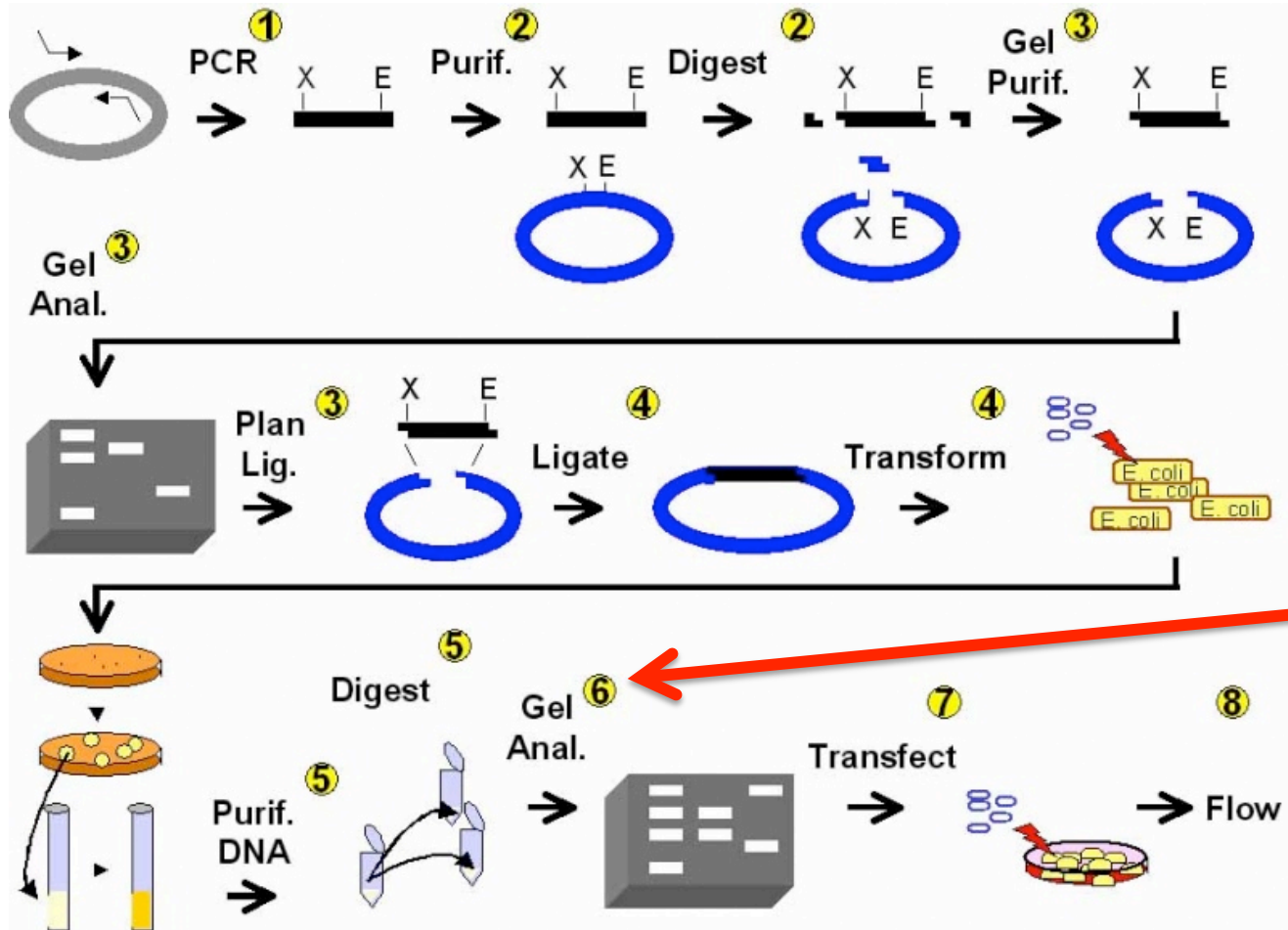
Mod 1 major assignment details

- DNA engineering summary
 - Due Tue., Oct. 13 at 5pm on Stellar
 - Carefully read the assignment description
 - Additional office hours will posted next week
- DNA mini-presentation
 - Due Sat., Oct. 17 at 5p on MIT TechTV
 - Homework due M1D7

Words of wisdom...



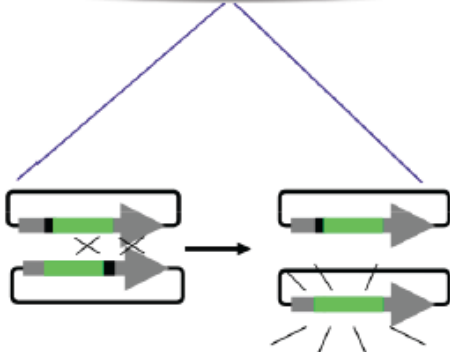
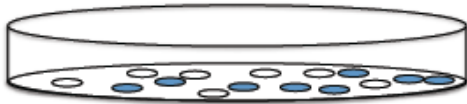
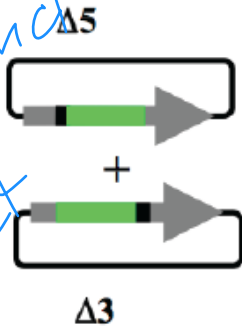
Mod 1 overview



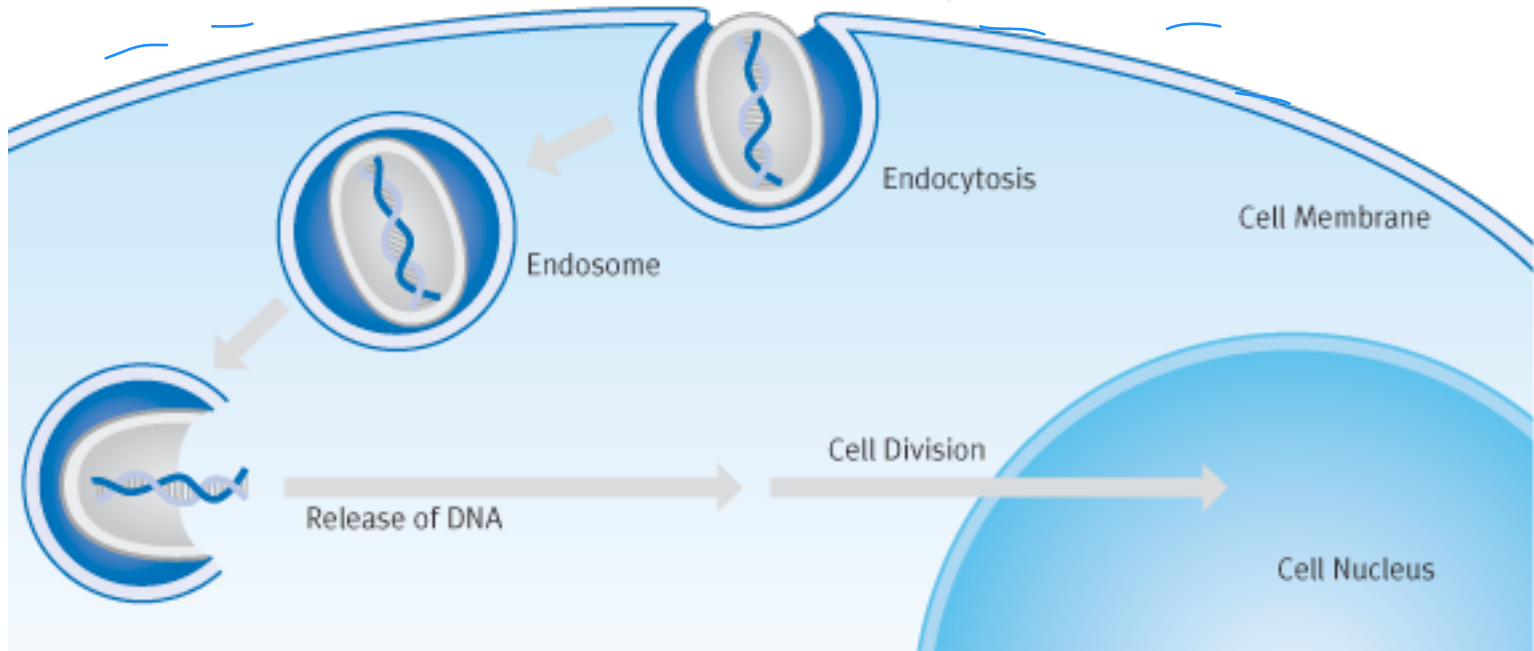
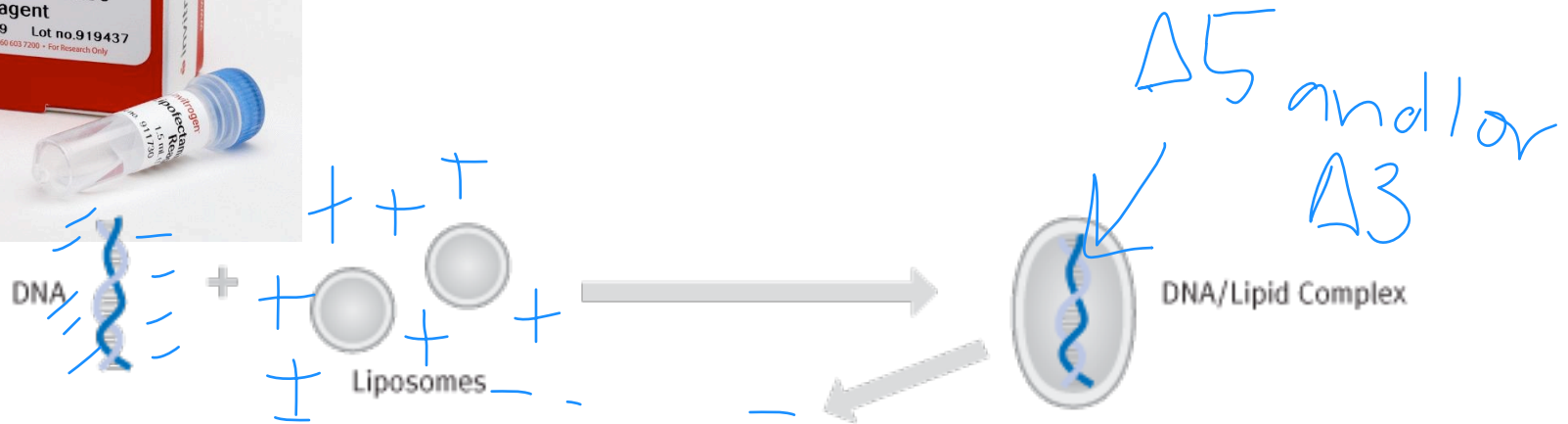
Load diagnostic digests, then come together for prelab discussion

Building an HR sensor

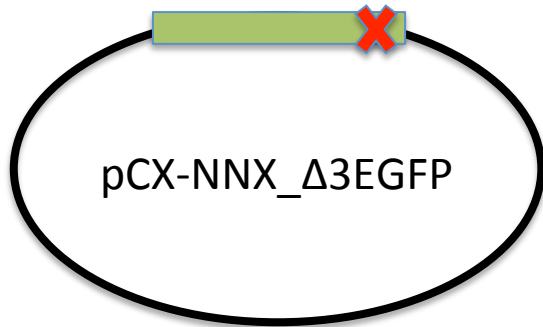
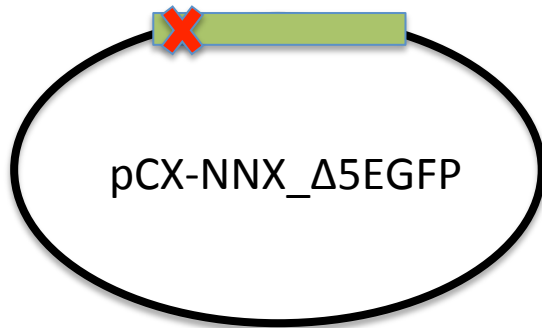
Your construct
our construct



Lipofection



Designing your experiment



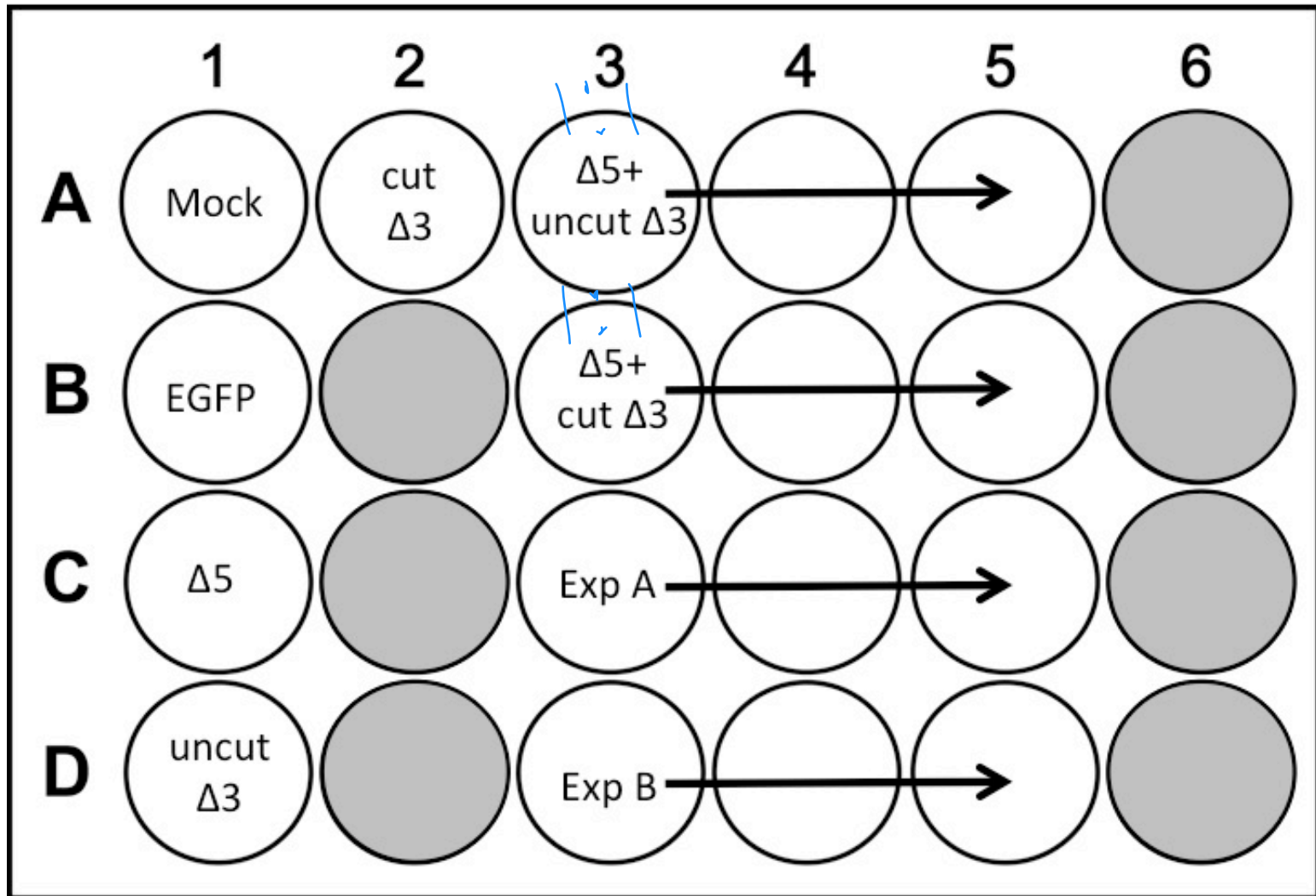
1. Ratio of $\Delta 5$: $\Delta 3$
ant
1:1 \rightarrow 1:5

2 ant topology of $\Delta 3$

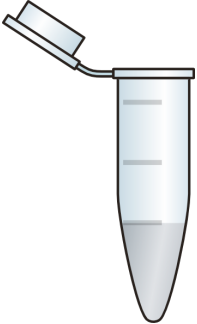
BamHI = =

PmeI = =

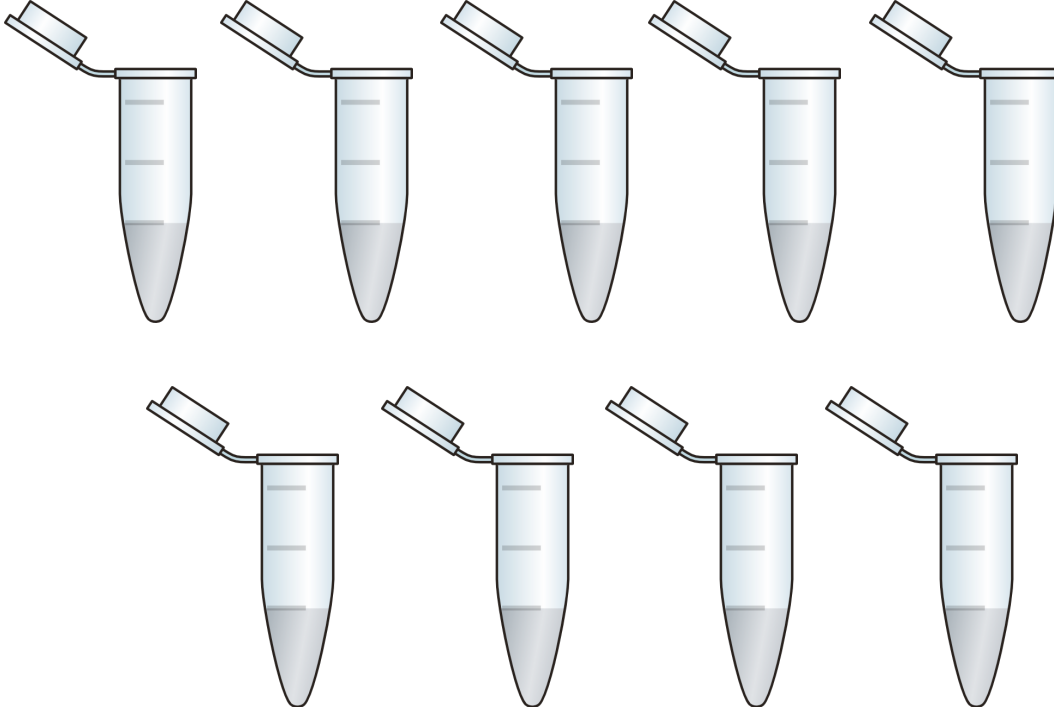
Your experimental setup



Procedural details

1.  L2000
+
optimum



2. 

controls
(1 rxn)

experimentals
(3 rxns)

Today

1. Diagnostic digest gel electrophoresis
2. Class will be split
 - Lipofection: Blue and Red
 - Statistics exercise: Green
 - Paper discussion: Orange and Pink