

**BME**

**MOLECULAR BIOLOGY  
EXPERIMENT**

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**TRANSFORMATION AND PLATING**

SKKU BME

3<sup>RD</sup> GRADE, 2<sup>ND</sup> SEMESTER



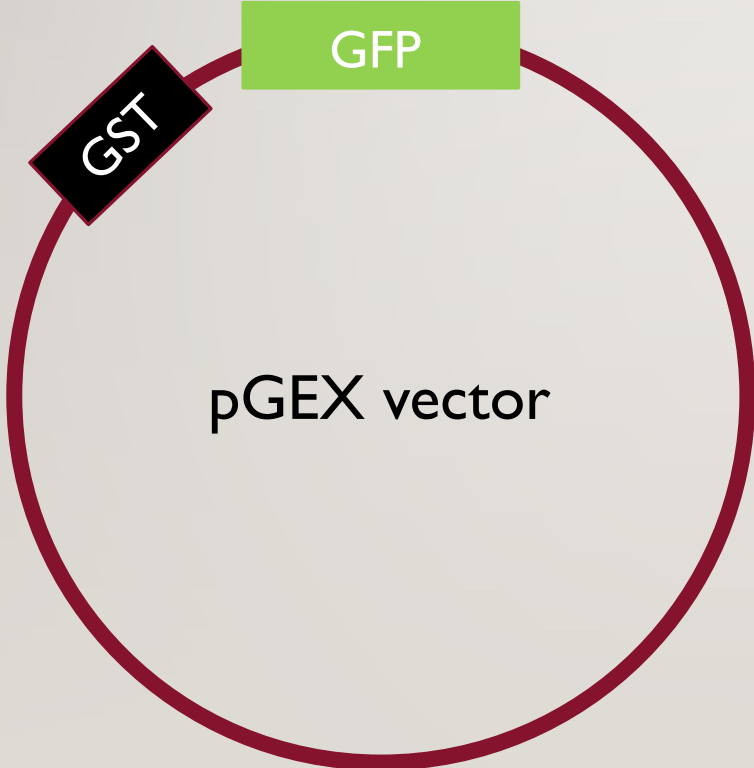
# TODAY

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- Ligated DNA transformation
- Plating

# WHAT WE EXPECT...

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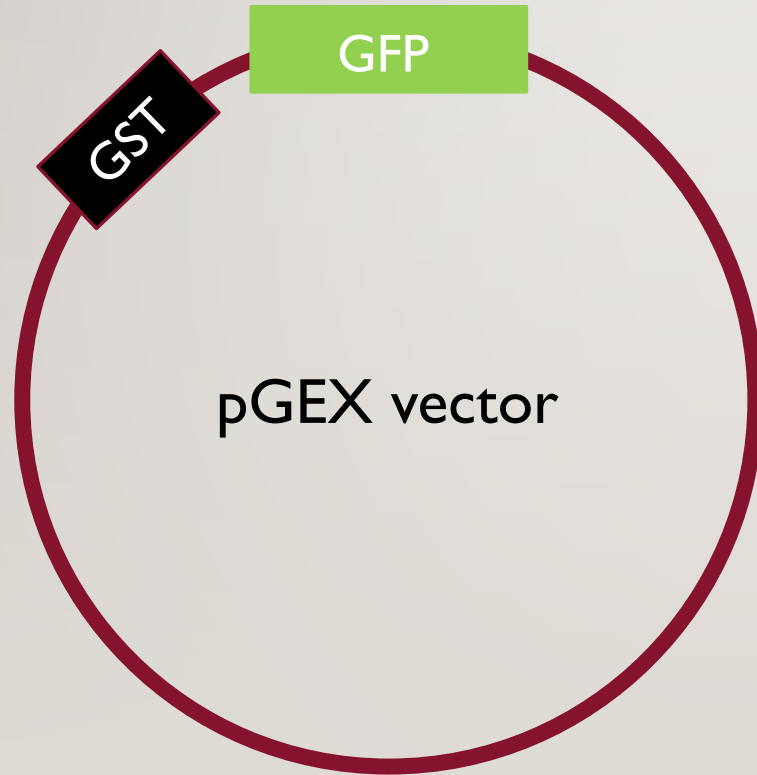


We **BELIEVE!**



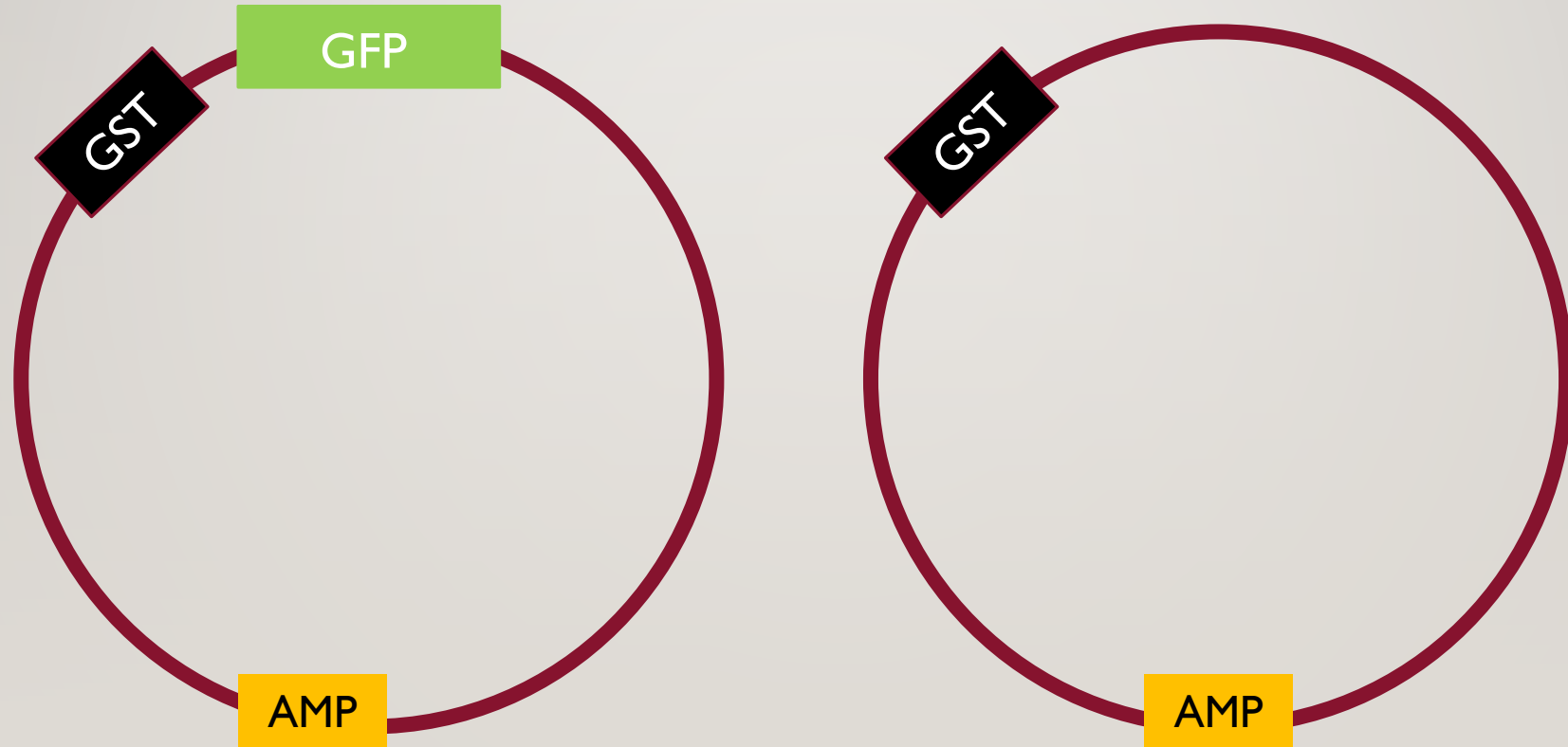
BUT...

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BOTH HAVE THE SAME ANTI(+) GENES...

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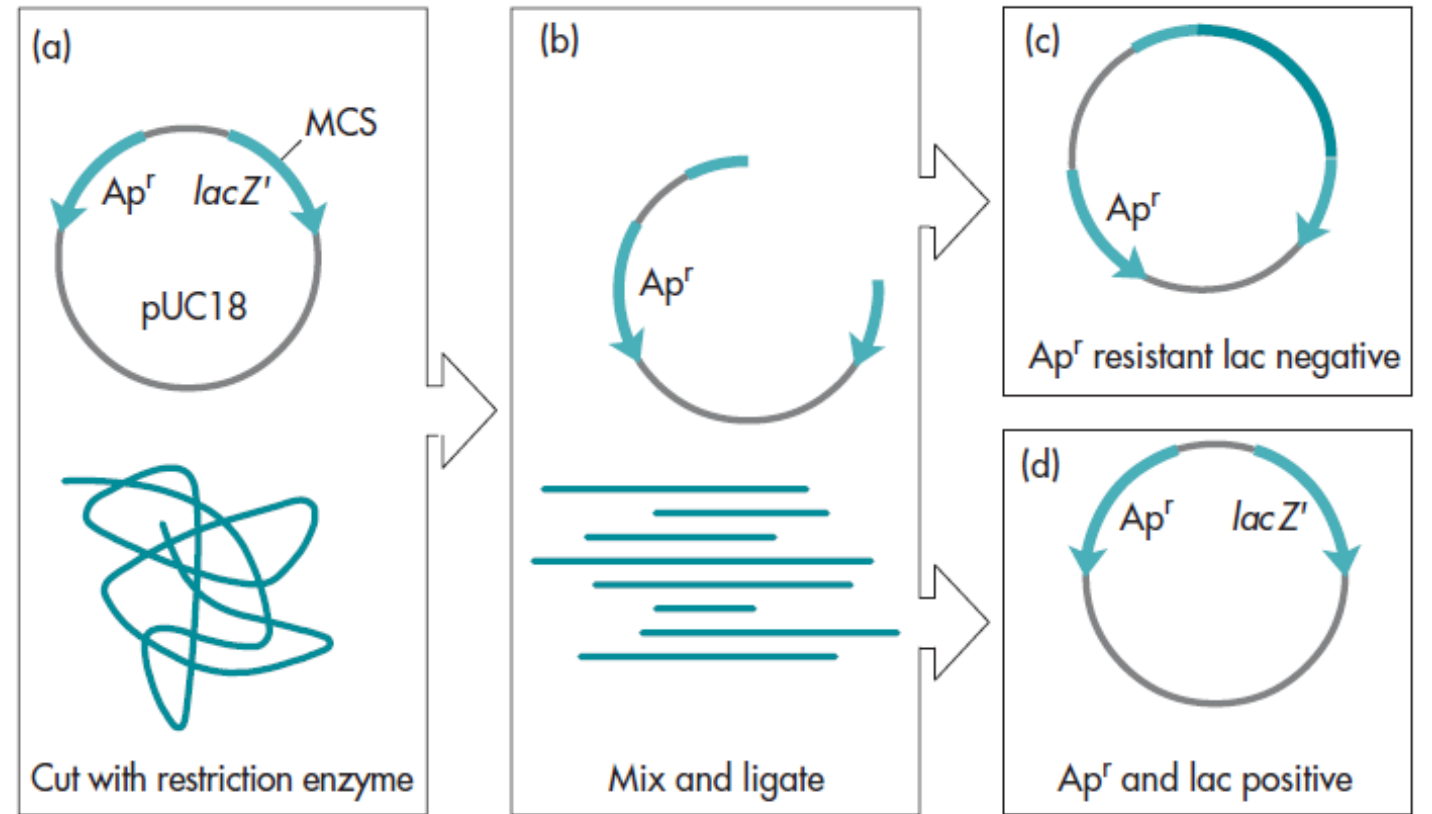
# THEN HOW TO SELECT THE CORRECT ONE?

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# HOMEWORK

1. Please find LacZ screening method and explain the right figure.
2. Please explain 'colony PCR' for ligation confirmation and explain the step-by-step procedure during the PCR.
3. Calculate the mole and molar ratio of 500 ng of 5 kb DNA template vs. 500 ng of 500 bp of DNA template.



# NEXT WEEK

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- DNA clearing
- Template and insert ligation