

Leia Jiang 7/28

THURSDAY, 7/28/2022

PCR to confirm YFP insertion in YFP (VanR and Laci):

- Mastermix reactions (10 for up, 10 for down DOUBLE EVERYTHING):
 - Phusion buffer (50 uL each MM) 100
 - dH2O (152.5 uL each) 301
 - Primer Forward (12.5 uL each) 25
 - Primer Reverse (12.5 uL each) 25
 - dNTPs (5 uL each) 10
 - DMSO (10 uL each) 20
 - Phusion polymerase (2.5 uL each) ADD LAST 5
- Each PCR tube:
 - Template (1 uL, NOT IN - CONTROLS)
 - H2O (1 uL in - controls)

PCR Keaton's Strain 013A, 2049 TDK:

- Mastermix reactions (5):
 - Phusion buffer (50 uL each MM)
 - dH2O (152.5 uL each)
 - Primer Forward (12.5 uL each)
 - Primer Reverse (12.5 uL each)
 - dNTPs (5 uL each)
 - DMSO (10 uL each)
 - Phusion polymerase (2.5 uL each) ADD LAST
- Each PCR tube:
 - Template (1 uL, NOT IN - CONTROLS)
 - H2O (1 uL in - controls)

PCR Keaton's 019:

- Mastermix reactions (3):
 - Phusion buffer (30 uL each MM)
 - dH2O (95 uL each)
 - Primer Forward (7.5 uL each)
 - Primer Reverse (7.5 uL each)
 - dNTPs (3 uL each)
 - DMSO (6 uL each)
 - Phusion polymerase (1.5 uL each) ADD LAST
- Each PCR tube:
 - Template (1 uL, NOT IN - CONTROLS)
 - H2O (1 uL in - controls)