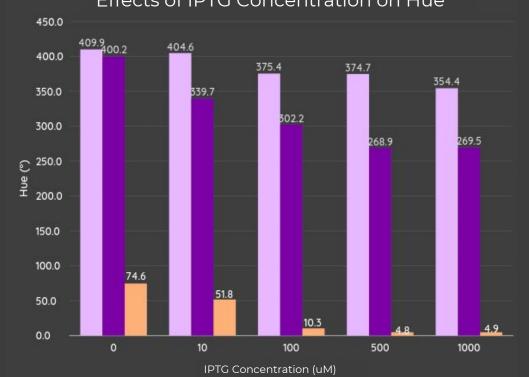
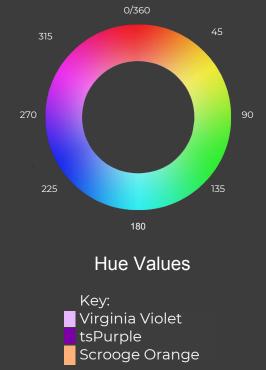
PROOF OF CONCEPT DATA



There is an inverse correlation between hue and IPTG Concentration







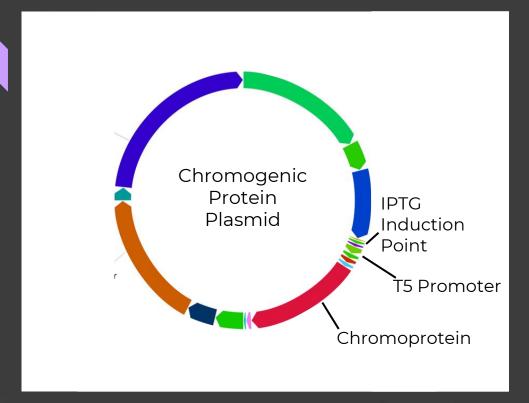








ATUM PROTEIN PAINTBOX CONSTRUCT



- Chromoprotein gene regulated by T5-lac promoter which is inducible by IPTG
- Expression of chromoprotein regulated by Lac Operator
- Increasing IPTG correlates with increasing expression of chromogenic protein.











CLIP'd DATA

- Successful degradation of tsPurple LAA by ClpXP
- Increase in color correlates with decrease in hue, confirmed in proof of concept

Effect of Levels of Protein Degradation on Hue

