

- Announcements
 - re: journal club slides
 - module 2 written component due 11.12.12 (M)
- Lab Quiz
 - Brief review of where we are
 - Look at plates from last time
 - Head over for journal club

Measuring LacZ output: original system

Team Color	B-gal units (dark)	B-gal units (light)
Green	358	173
Blue	1644	1531
Pink	616	1319
Purple	1334	475

Group Color	Miller Units in Dark	Miller Units in Light
Green	1566.9	437.3
PINK!	1159.7	289.5
Red	1115.3	416.7
Orange	1003.8	312.1
Blue	1178.4	341.7
yellow	1137.2	467.8
purple	1150.33	601.81

Shannon
class wide
light
vs.
dark
p < 0.05
:)

★ fold ★
change

Developing modified system

- Goal: *increase contrast yw light + dark*
- Strategy
 - known mutation at T247 in EnvZ protein
 - make mutations at analogous site in Cph8 = Cph1/EnvZ
 - select colonies with high B-gal in dark = redder color

<u>EnvZ</u>	H243	D244	L245	R246	T247R (K+P)	P248
wt seq	CAC	GAC	TTG	CGC	Thr = ACG	CCG
<u>Cph8</u>	H537	D538	L539	R540	T541	P542
to test:	Kinase Dead mutant					

reference



Images from wiki