

A

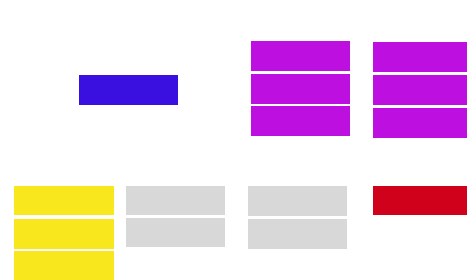
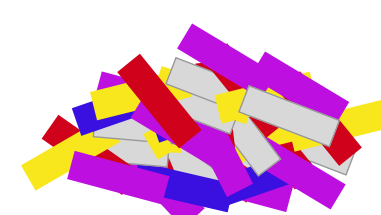
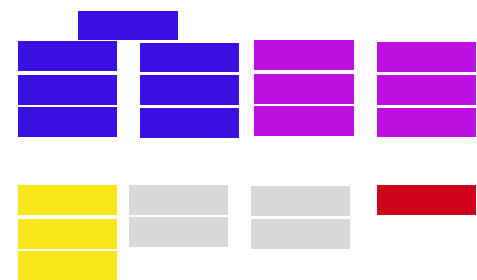
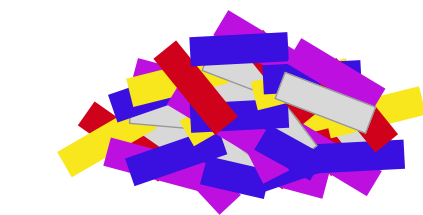
Read Sequencing

Read quantification
(Kallisto)Differential Expression
(Sleuth)

Downstream Analyses

Mutant A

Wild-type



$$\log \left(\text{pile of blue bars} \right) = \log \left(\text{single blue bar} \right) + \beta_A$$

$$\beta_A = \log \left(\text{pile of blue bars} \right) - \log \left(\text{single blue bar} \right)$$

$$\beta_A = \log \left(\frac{\text{pile of blue bars}}{\text{single blue bar}} \right)$$

$$\log \left(\frac{\text{pile of blue bars}}{\text{single blue bar}} \right) \simeq \log (\text{Fold Change})$$

Principal Component
AnalysisEpistasis
Coefficient

Enrichment Analysis

B

est.counts

600
400
200
0

log (est.counts)

7.0
2.5
-2.0

wt

egl-9

Genotype

