

Types of Perturbations

Gene Partial Knockout:

Price: **350** credits

A partial knockout of the given gene. Will knock out desired percentage (With a $\pm 15\%$ error) of gene activity.

Gene upregulation:

Price: **350** credits

Upregulate the chosen gene. Will upregulate a desired percentage (With a $\pm 15\%$ error) of gene activity.

Gene deletion (100% knockout):

Price: **800** credits

Completely delete the chosen gene.

Perturbation Specifications

Increase perturbation accuracy:

Price: **100** credits ($\pm 5\%$ error)

Price: **250** credits (completely accurate)

Changing the Level of Inducer to the Network

Price: **100** credits

Time Course Experiments

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Fluorescent Tag (Fusion protein):

Price: **300, 600, 950** credits for 1, 2, or 3 fusion proteins

Time course data of concentration of tagged protein. Choose between 1, 2, or 3 proteins to tag with respectively increasing prices.

RNA-Seq:

Price: **1500/3000** credits

Time course data over 20 hours of concentration of all mRNA species. Lower resolution will give a point every 20 minutes. Higher resolution (and more expensive) will give a point every 5 minutes.

Mass Spec:

Price: **1700/3200** credits

Time course data over 20 hours of concentration of all protein species. Lower resolution will give a point every 20 minutes. Higher resolution (and more expensive) will give a point every 5 minutes.