

# SGA Analysis Pipeline

OP & PC

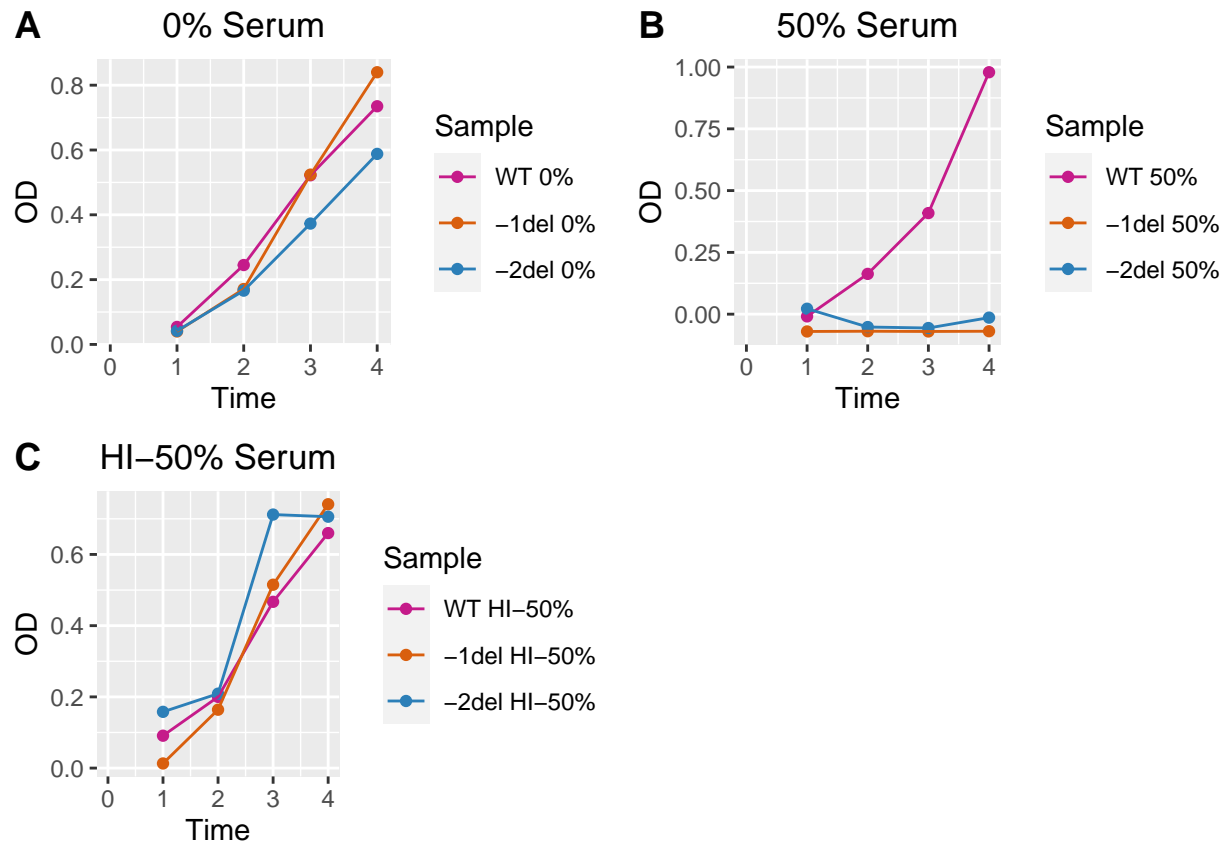
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## Clean Data

Here is the data after removing the background using the mean blanks for the Serum Growth Assay of 2290 WT (Wild Type), -1 $\Delta$ , and -2 $\Delta$ , in 0% serum, 50% serum, and 50% heat inactivated (HI) serum.

```
## # A tibble: 4 x 9
##   `WT 0%`  `-1del 0%`  `-2del 0%`  `WT 50%`  `-1del 50%`  `-2del 50%`  `WT HI-50%`
##   <dbl>    <dbl>    <dbl>    <dbl>    <dbl>    <dbl>    <dbl>
## 1  0.054    0.04     0.042 -0.00900   -0.07     0.0220    0.091
## 2  0.245    0.171    0.166  0.163     -0.069   -0.0520    0.2
## 3  0.522    0.524    0.373  0.409     -0.07    -0.0560    0.467
## 4  0.735    0.84     0.588  0.979     -0.069   -0.0140    0.66
##   `-1del HI-50%`  `-2del HI-50%`
##   <dbl>    <dbl>
## 1  0.0130    0.158
## 2  0.164     0.209
## 3  0.515     0.712
## 4  0.741     0.706
```

## Plots of Cleaned Data



Each plot shows how that serum type affected the growth of WT, -1 $\Delta$ , and -2 $\Delta$  over a period of time in hours. Plots A, B, and C depict 0% serum, 50% serum, and 50% HI serum respectively,