

# CBP732 Assignment 1

## Energetic considerations of the Crabtree effect

In this assignment we will be examining the Crabtree effect in *Saccharomyces cerevisiae*. Special attention will be given to the energy expenditure of the organism under different modes of operation. Continuous cultures will be used for the examination.

You are supplied with the following data from a chemostat experiment (A1\_data.xls). Determine the  $\gamma$  value over the range of dilution rates. Play around with different P/O values. Suggest a mechanism for the observation.

More detail to follow. I guess some touch up on CBI310 principles will be required.

Willie