A. The qualitative comparsion of your results with Kihns and Pluznick 2017.

Based on the number of hits, our results also indicate there are obesity induced changes to gene expression, agreeing with Kuhns and Pluznick (2017). With our Sequences 10, 8, and 9, we observe an upregulation of genes when the mice are obese. With Sequence 1, we observe a downregulation of the gene when the mice are obese. However with Sequences 2 and 6, there were minimal changes in gene regulation no matter the fatness of the mouse. This indicates Sequences 2 and 6 may not play a role in the general state of health of the mice.

B. Answers to short answer questions 1 & 2