GeneViewApp for GenomeLens

Spring 2015

Alexander Niema Moshiri

Sandra Hui

This quarter, we will continue to implement the GeneView portion of the GenomeLens pipeline. Specifically, we will focus on integrating the initial revision of GeneView into the Django framework. This includes creating a generic template for each gene image, as well as a generic template for each user. Using our vcf parsing and image generation from last quarter, we will continue working with Patrick, Yanli, and Hunter to create the proper framework for our app. We plan on having a generic pipeline on the common server to take a vcf file as input for a specific user, parse it, and generate images in the correct place for said user. We will only generate svg images, and the Django framework will dynamically generate the necessary web pages. In the future, we could store the command to create each image, and create each image on demand, rather than pre generating the images. Additionally, we’re considering making the lollipops interactive, so that the user can easily zoom or scroll.