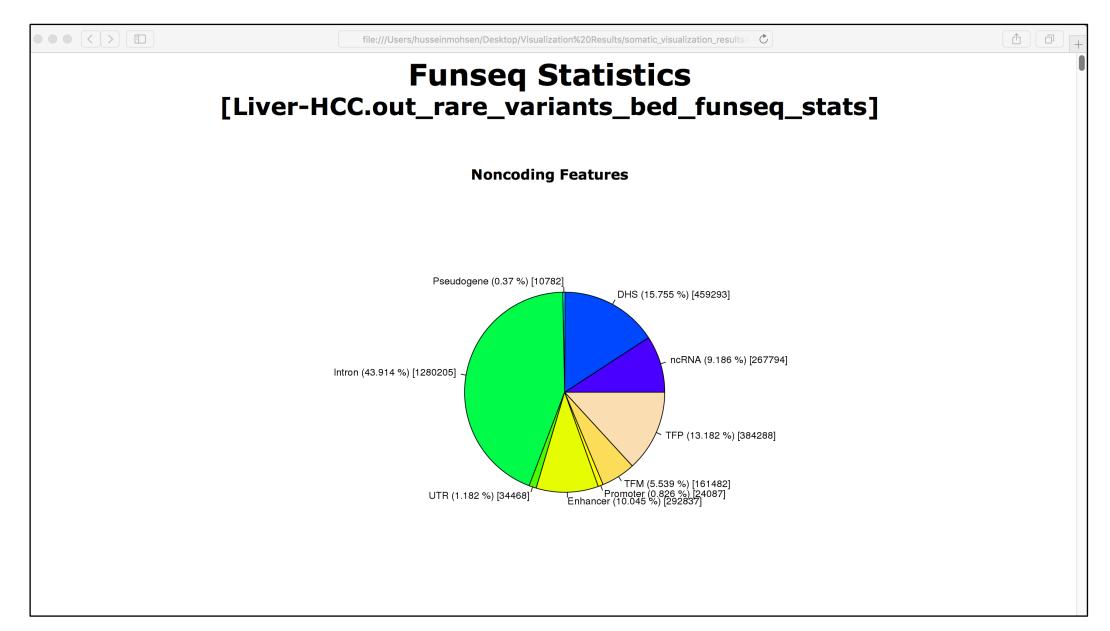
- Visualization of Funseq2 output
 - both BED and VCF formats
 - 32 features in total
 - Among which
 - GERP scores, noncoding features (Promoter, TFP, TMP, Intron, Enhancer, ncRNA, UTR, Pseudogene), mutation type (transition vs transversion), reference and variant genotype, strand +/- information
 - Top N (default N=50) target genes, MOTIFG, MOTIBR, hot regions
 - Variant distribution across and within chromosomes
 - More features can be added by the user
- Three steps
 - Statistics
 - Plot generation
 - Flexible w.r.t. types of plots
 - HTML Generation
- Accepts additional parameters to qualify specific variants
 - Up to two, unordered ones

[hm444@farnam2 ~]\$ awk -v regex_args="Promoter" -f cancer-variant-correlation/scripts/funseq_stats.awk funseq_results/Output.vcf > Funseq2_stats_example.txt

Example



- Execution time
 - ~ 10 seconds for 100,000 variants
 - Grows linearly
- Tested on 200+ samples
- Part 1 to be followed by part 2 very soon
- What's next
 - Already generated Part 1 statistics for all PCAWG somatic and germline samples
 - 37 x 2 x 3 samples/files
 - To be presented with across-samples statistics as part of the two-hit hypothesis project