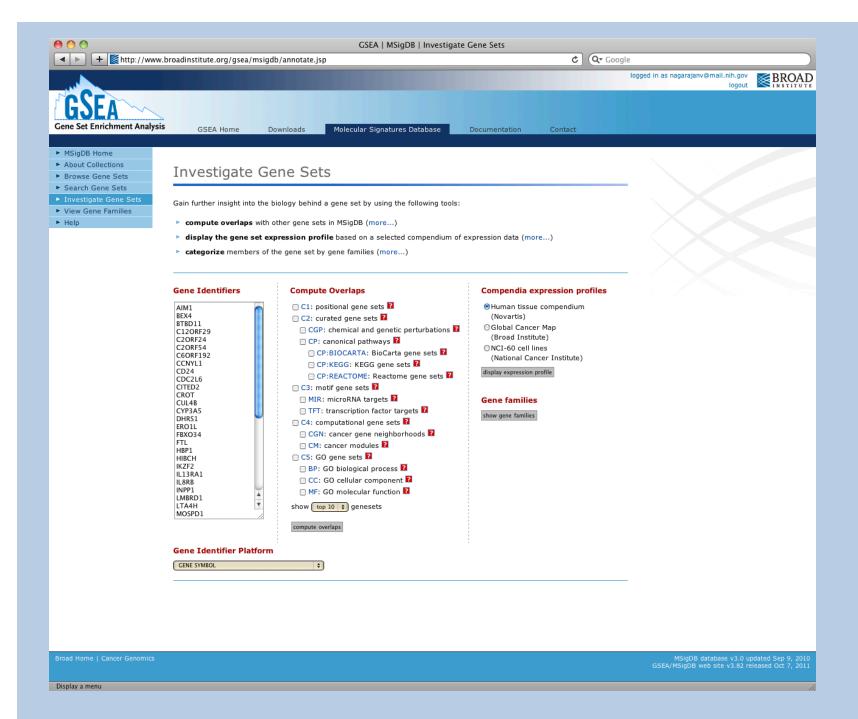
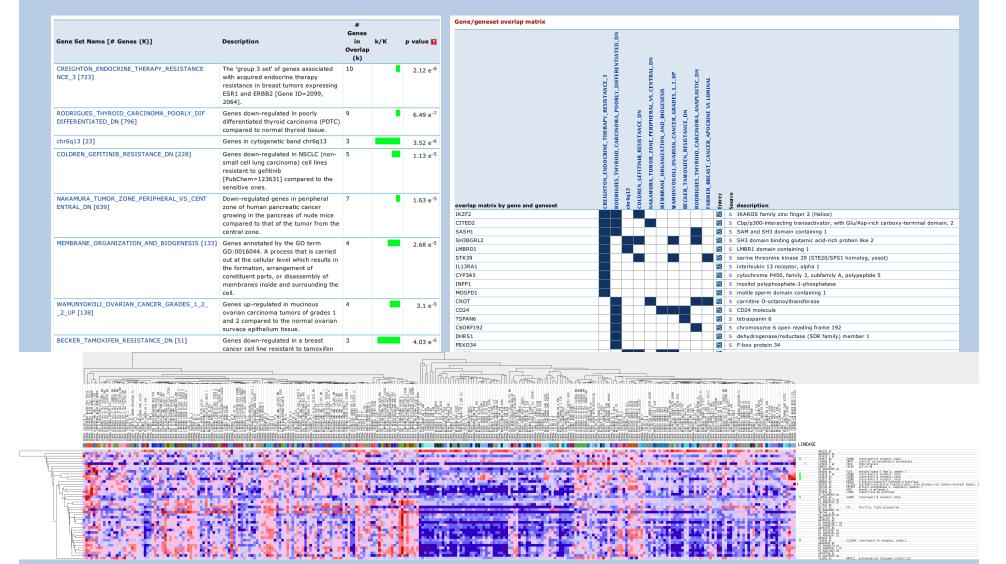
NGS: DOWNSTREAM PROCESSING

The plan...

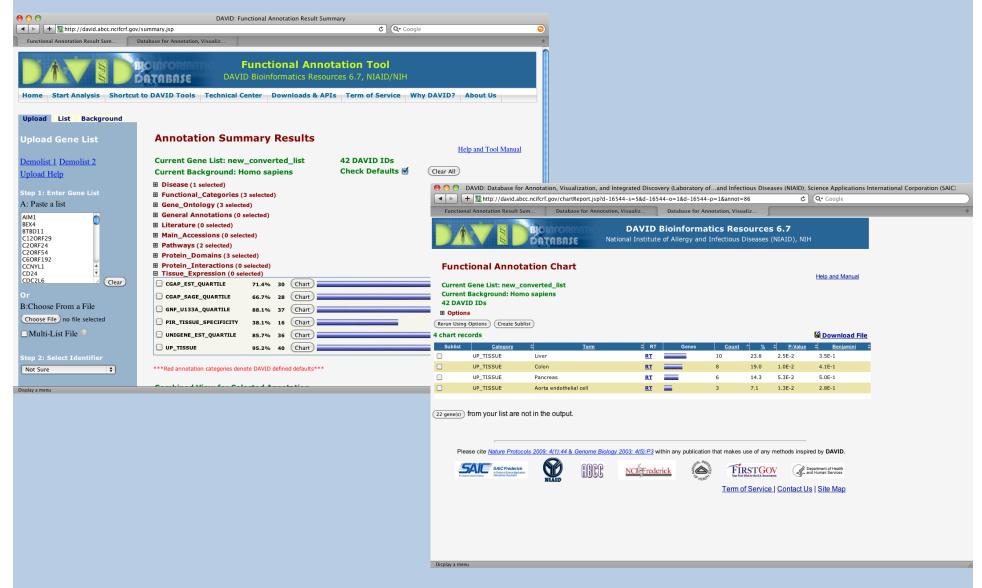
- Downstream analysis
 - Gene sets
 - Transcriptome studies
 - Cistrome/Epigenome studies
 - Function enrichment
 - GSEA, DAVID, IPA
 - STRING, Cytoscape
- Downstream processing
 - Genome coordinate sets
 - NGS alignment files (reads/tags)
 - ChIP-Seq peaks
 - BEDTools
 - Galaxy
 - UCSC Table browser



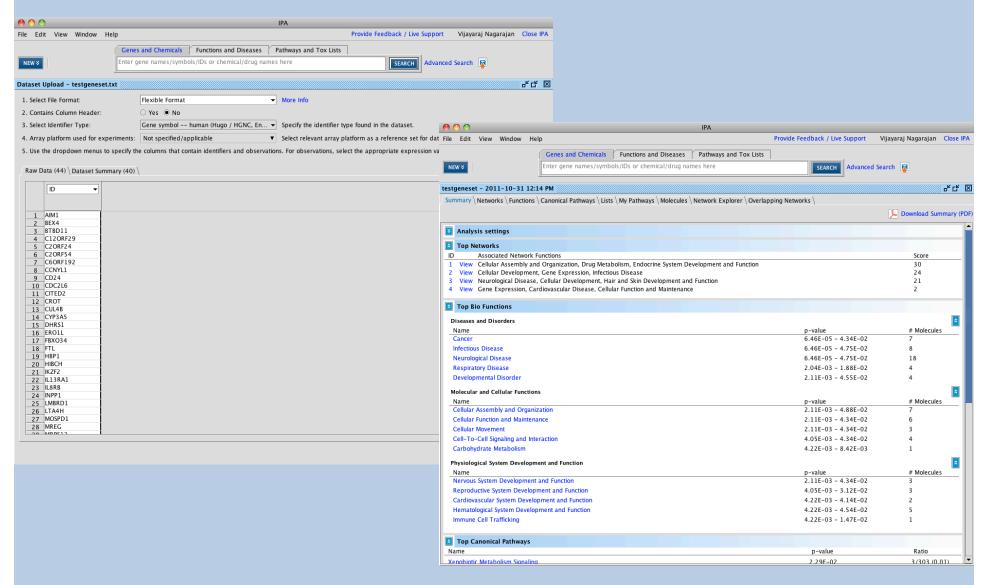
GSEA



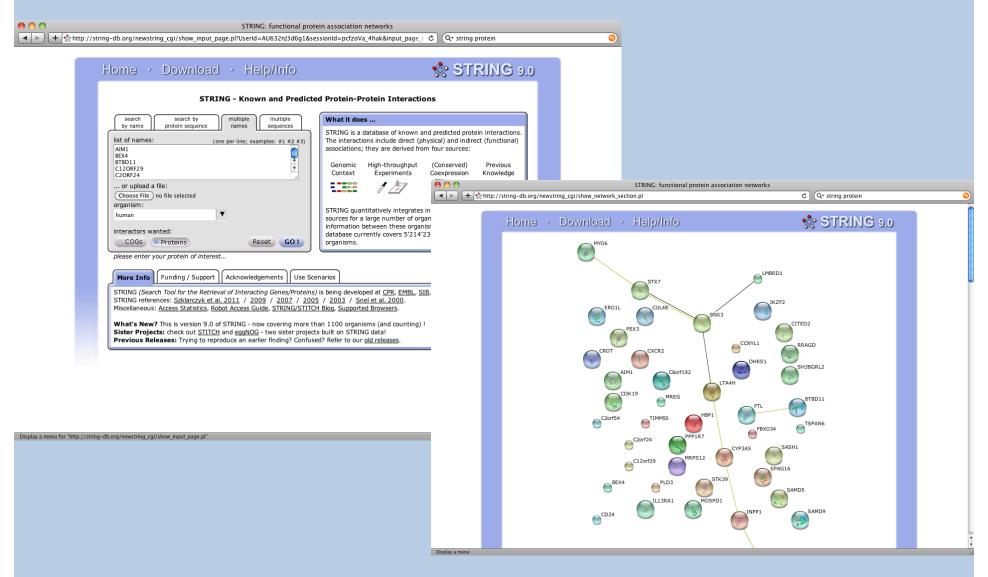
DAVID



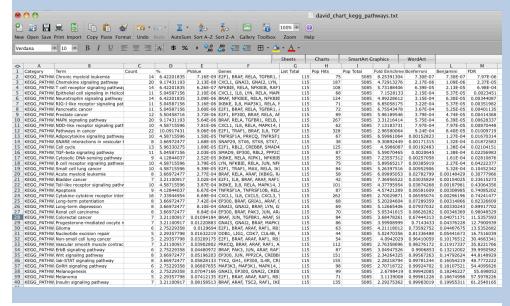
IPA

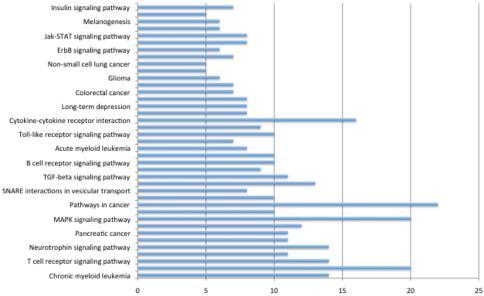


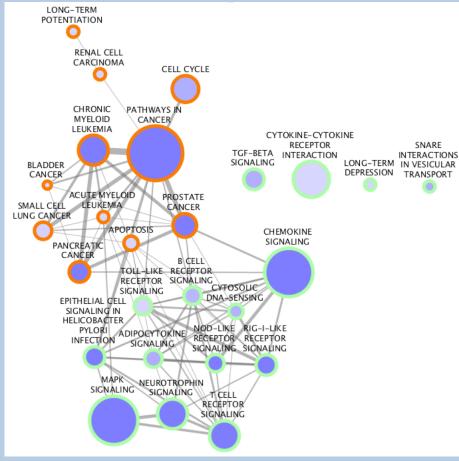
STRING



Cytoscape







BED-Tools

- Command line
- Open source
- A variety of input formats (BED, BEDPE, SAM/BAM, GFF, VCF)
- Things we could do…
 - Intersect, Union
 - Merge
 - Coverage
 - Subtract
 - Convert
 - Closest
 - Shuffle
 - Group, Sort