COSMIC (Catalogue Of Somatic Mutations In Cancer)
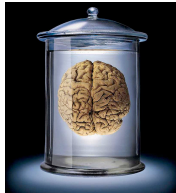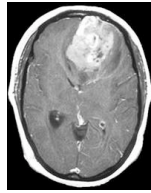

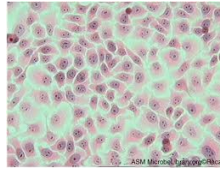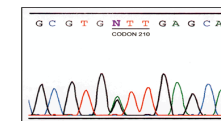Identification of Cancer mutation data
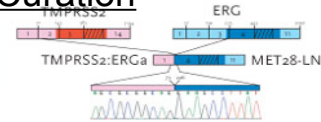
Phenotype Curation

Site: Brain

Morphology: Glioblastoma
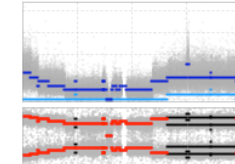
Source: cell line

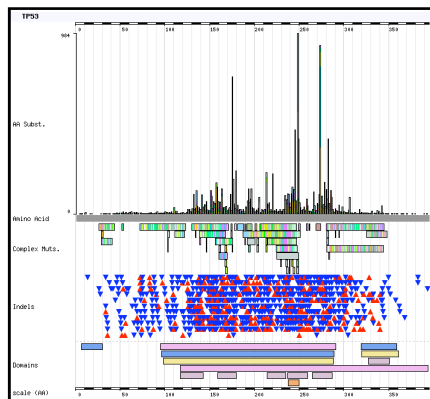## Genotype Curation

Point mutation
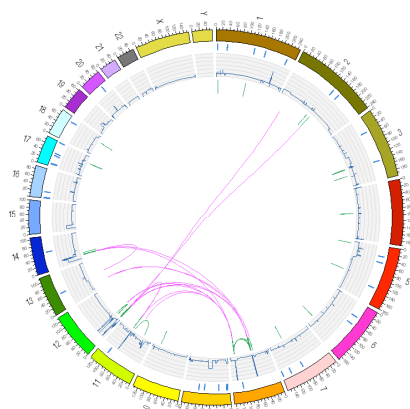
Fusion gene

Rearrangement

CNV

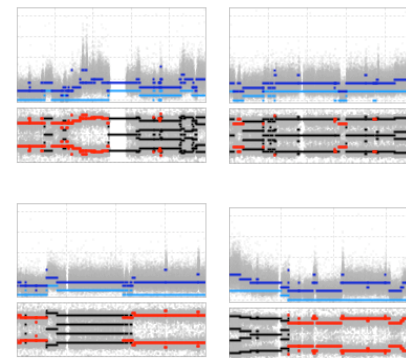18k genes; 542k tumours; 136k mutations; 5k fusions; 29 whole genomes

Standardization (GRCh37, HGVS, Phenotypes); Search & Display

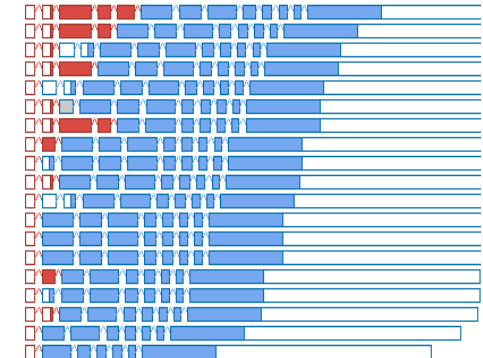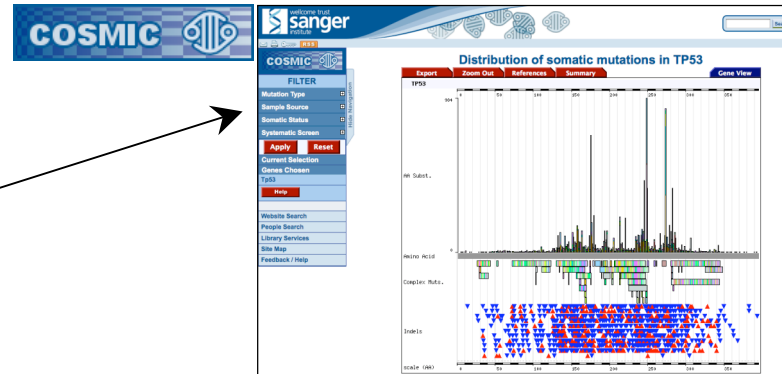All TP53 point mutations

All H2171 rearrangements

HCC38 CNVs (clip)

All TMPRSS2/ERG fusions
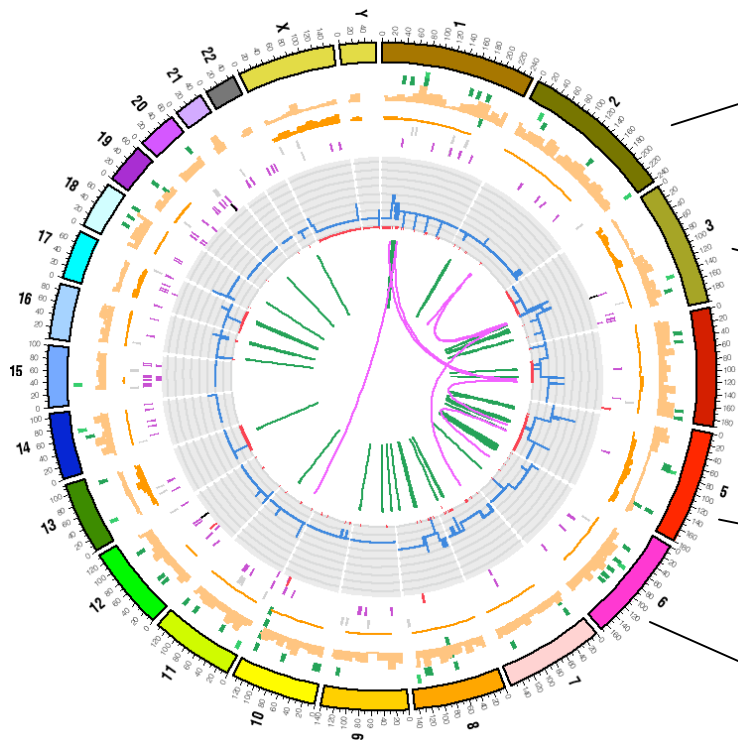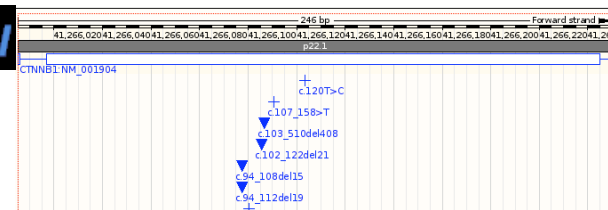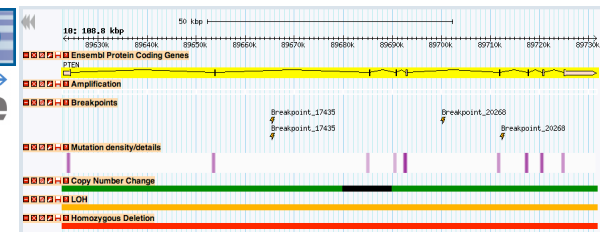
COSMIC - freely available

Data browsing: http://www.sanger.ac.uk/cosmic
Data mining :   http://www.sanger.ac.uk/genetics/CGP/cosmic/biomart/martview/
Downloads: ftp://ftp.sanger.ac.uk/pub/CGP/cosmic
Trace Archive: http://www.sanger.ac.uk/genetics/CGP/Archive/