

Genome Browsers

Genetic Variations

- Taste Test!
 - Let's see who's a taster

Analysis

- Google Doc in folder – link on Canvas in Course Technologies Page
- After instructional section:
 - See if there are correlations between the tasting of these compounds

Supertasters

- Ability to taste phenylthiourea is linked to increased tasting of many bitter compounds, including those in coffee, dark chocolate, chili peppers, and broccoli
- Mutations in the gene *TAS2R38* correlate with the ability to taste phenylthiourea
- Studies indicate that adults that are supertasters are homozygous for the haplotype, but children that were heterozygous were also supertasters
 - Kids really do hate broccoli

Genome Browsers

- UCSC Genome Browser (oldest and my favorite)
- ENSEMBL (newer with more functionality, probably better)
- NIH Genome Data Browser (I haven't used much, but seems useful)

We're going to use UCSC and ENSEMBL for this exercise, but you can use whichever you prefer

genome.ucsc.edu