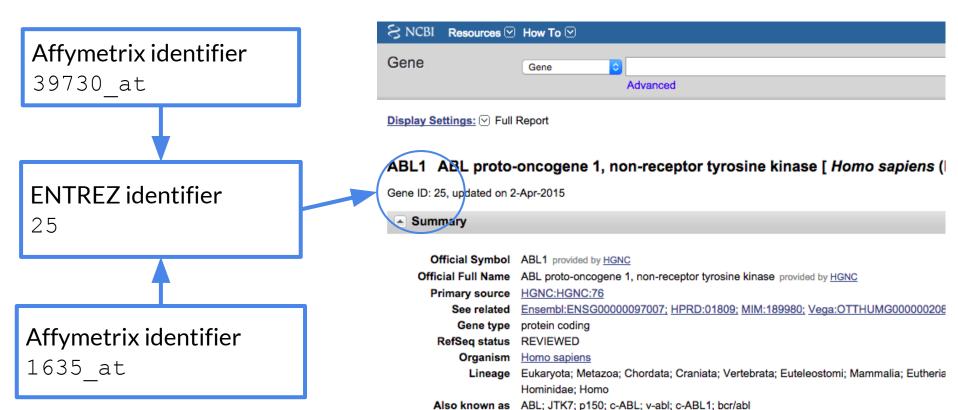
Annotation - Overview

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This can be done in many ways, but it usually involves linking your data to online databases.

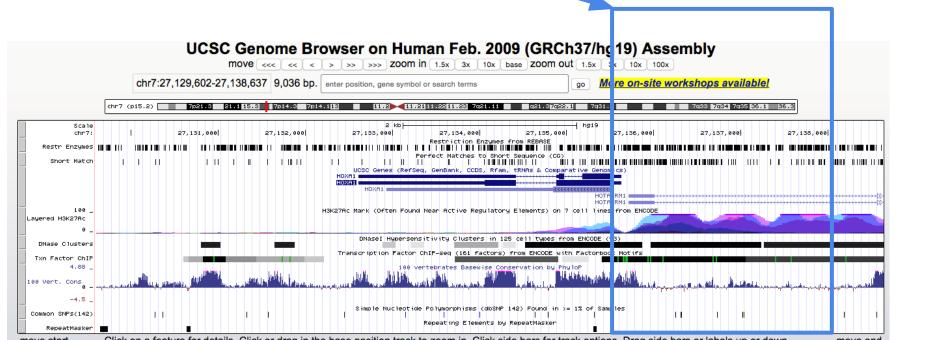
Example: annotating a probeset on the Affymetrix HGU95av2 microarray.



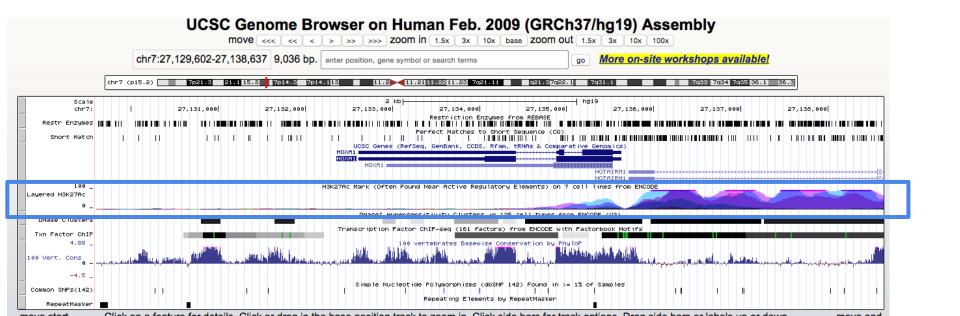
Example: annotating a genomic interval.

Genome coordinates

chr7:27,136,000-27,137,000



Some annotation is just experimental data from other groups.



How to annotate 100-10,000 items? Need to do this programmatically. And easily!

Two main approaches in Bioconductor:

Annotation packages: (ex. hgu95av2.db) This is "preprocessed" and "packaged" annotation.

Query online resources: like UCSC or ENSEMBL.