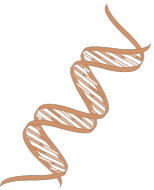


codeOmics



What do we want to achieve?

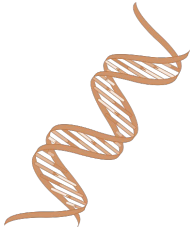
precision phenotyping . tcga . gene ontology . drug biomarker

treat

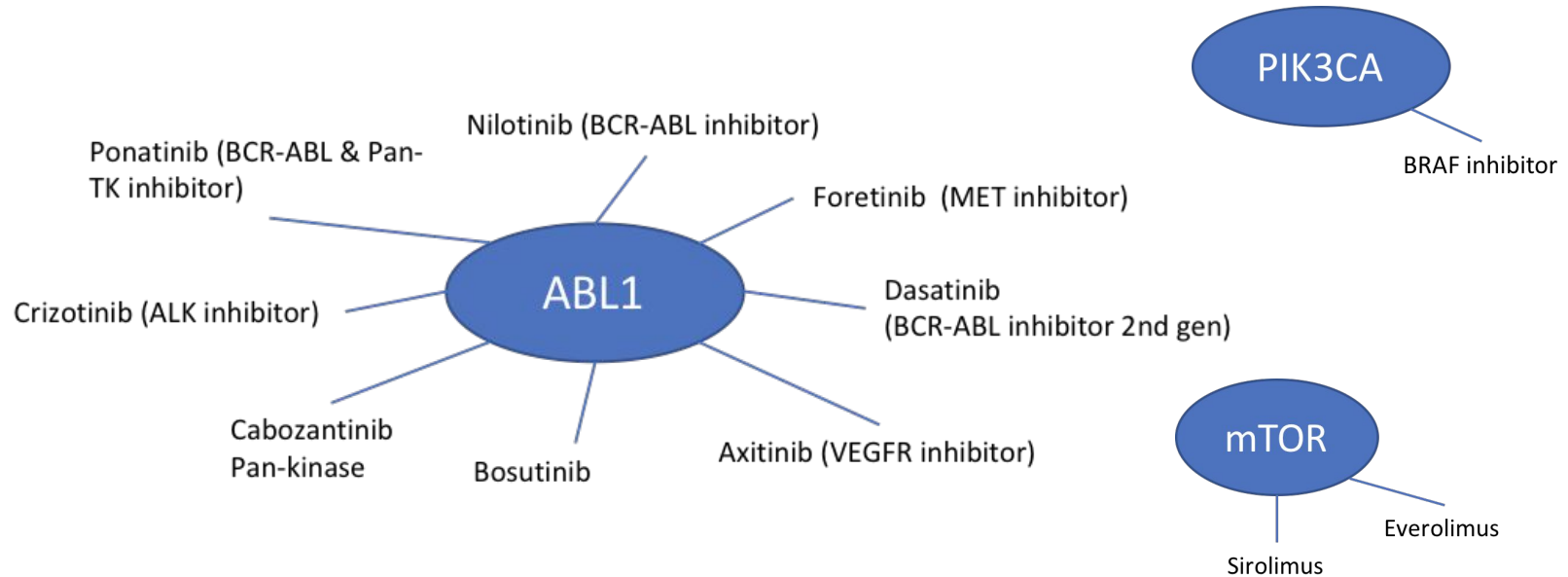


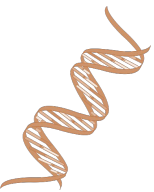
understand



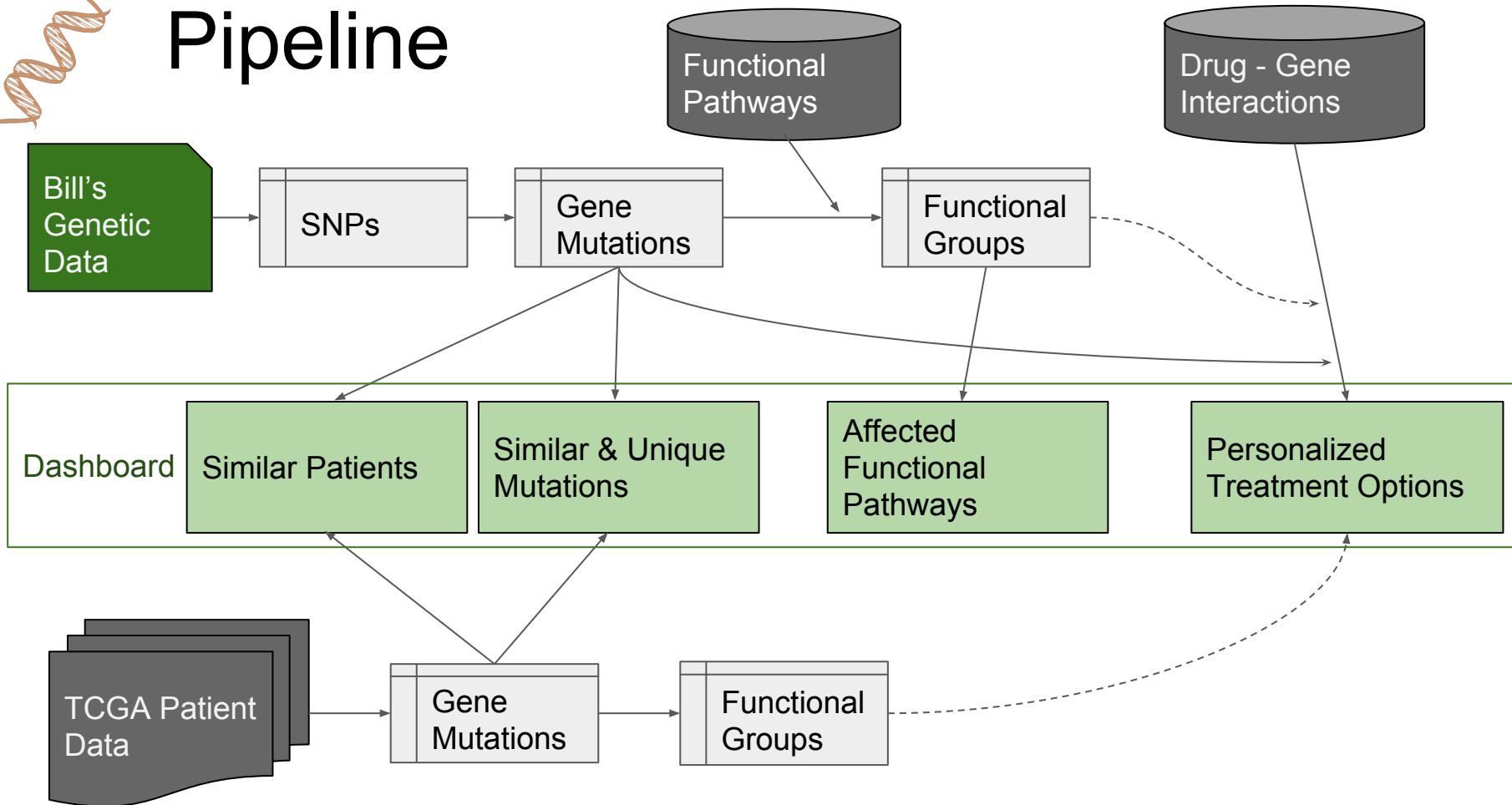


Biomarkers to Precision Drugs



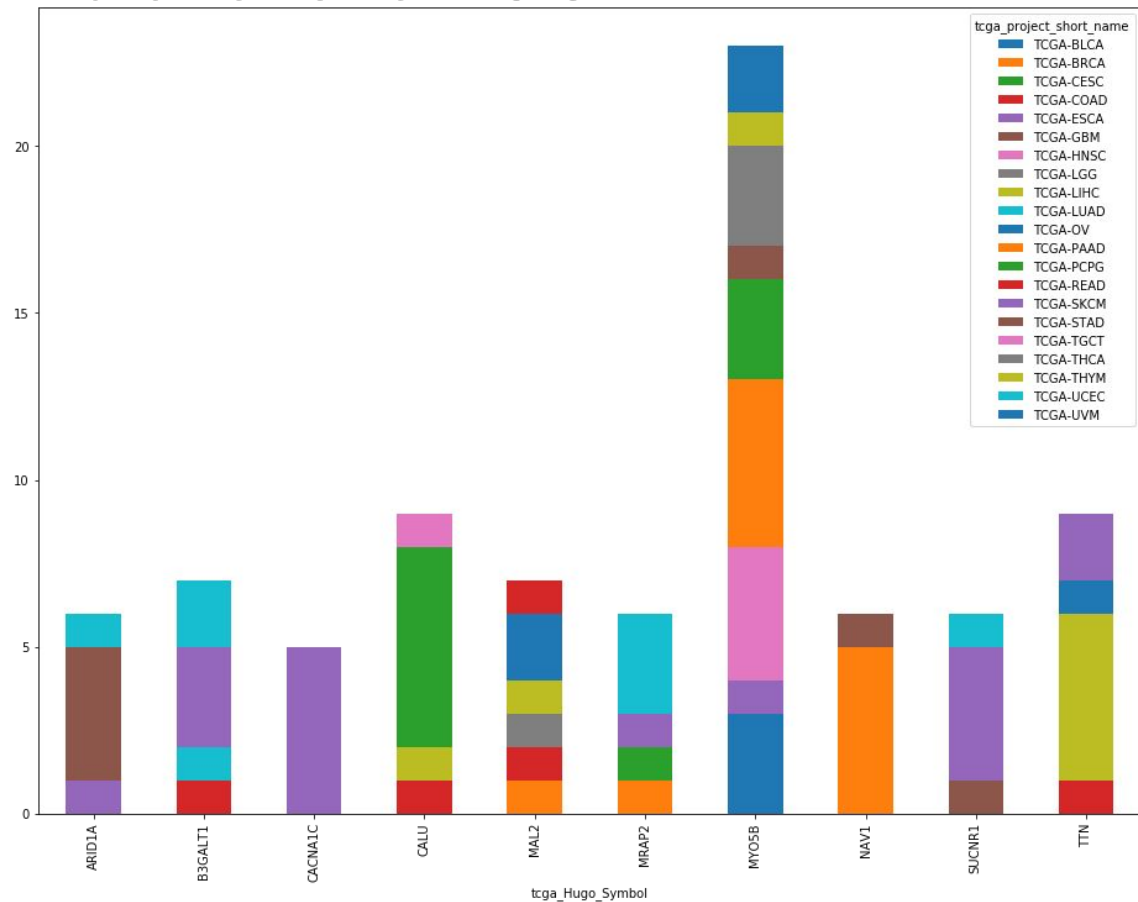


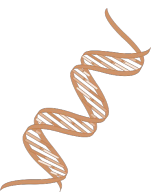
Pipeline





SNPs that are present in Bill's cancer and are also present in specific cancer subtypes



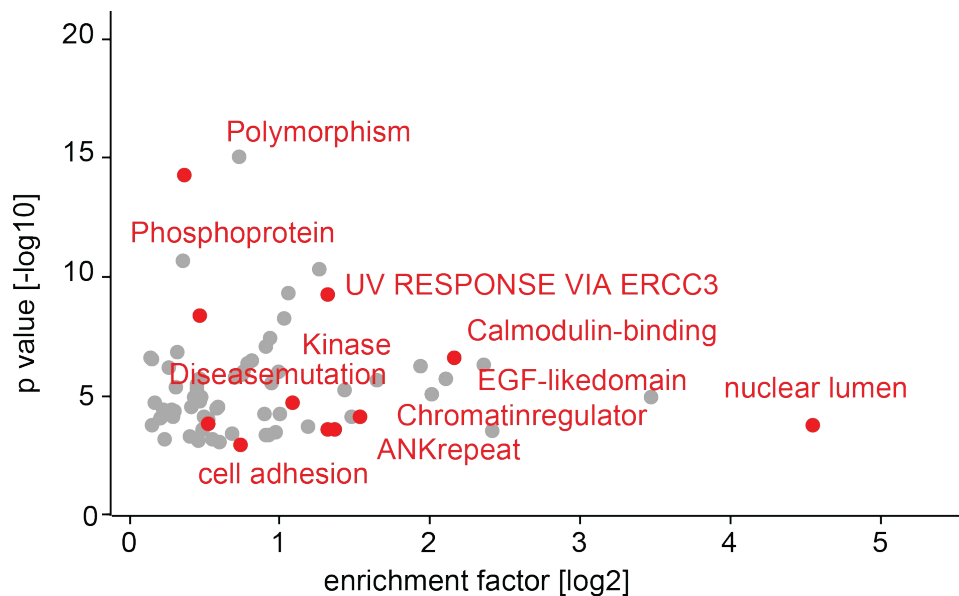


What Pathways are significantly under / over represented in Bill's tumor?

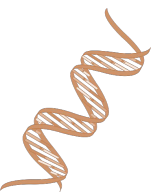
missense mutations → genes

genes → pathways

Bill's → tcga



Fisher's test

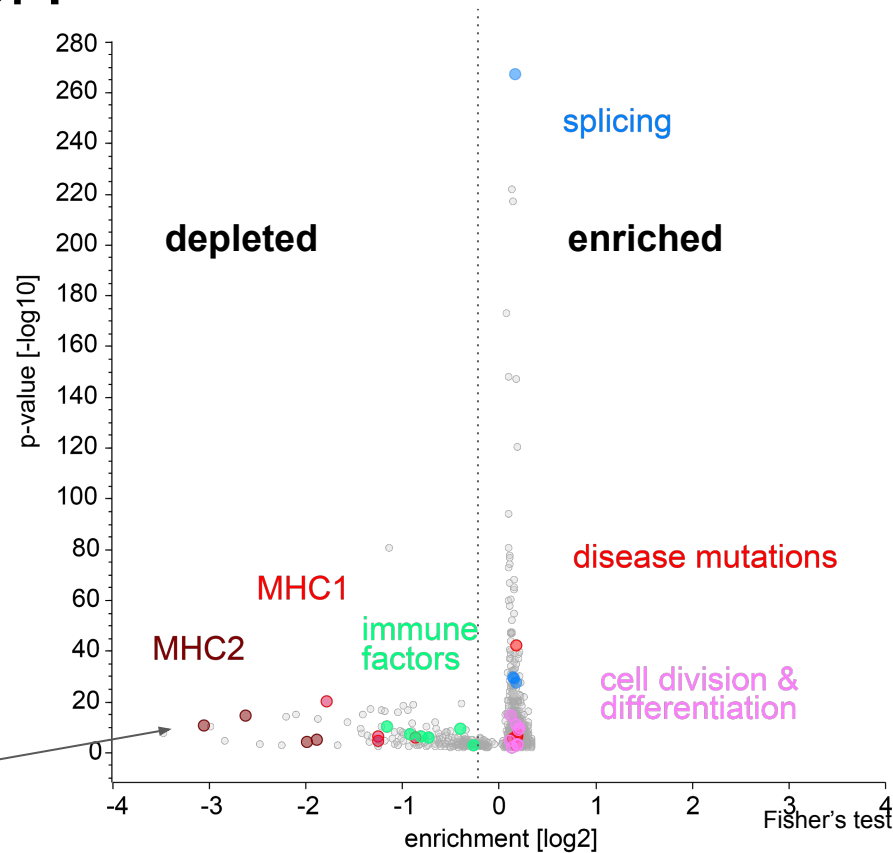


What Pathways are significantly under / over represented in Bill's tumor?

missense mutations → genes

genes → pathways

TAP binding (GO: antigen processing and presentation)



Biomarkers to Precision Drugs

specific mutations → response to drug therapy / drug resistance to drug therapy



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Cancer Genes

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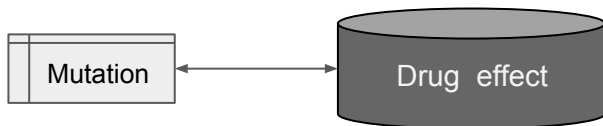
Last update: 2018/01/17

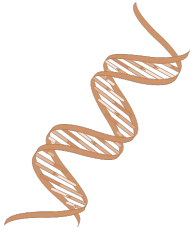
The Cancer Biomarkers database is curated and maintained by [several clinical and scientific experts](#) in the field of precision oncology supported by the European Union's Horizon 2020 funded [project](#). This database is currently being integrated with knowledge databases of other institutions in a [collaborative effort](#) of the [Global Alliance for Genomics and Health](#). The contribution of the community is encouraged and proposals of edition or comments about the information contained in this database can be given by contacting us [here](#) or by using the feedback icon located at the left of each entry of the table. This table provides a summary of the content of the database that can be interactively browsed. Additional information, including the genomic coordinates of the variants, can be accessed via the download feature. This database is licensed under a [Creative Commons Public Domain Dedication \(CC0 1.0 Universal\)](#). When referring to this database, please cite: Cancer Genome Interpreter Annotates The Biological And Clinical Relevance Of Tumor Alterations; doi: <https://doi.org/10.1101/140475>.

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Feedback

Biomarker	Drug	Effect	Evidence	Source
Search here...				
ABL1 (E255K,E255V,Y25...	Nilotinib (BCR-ABL inhibitor 2nd gen)	Resistant	European Leuke...	PMID:21562040
ABL1 (F359V,F359C,F359...	Dasatinib (BCR-ABL inhibitor 2nd gen)	Responsive	NCCN guidelines	PMID:21562040
ABL1 (I242T,M244V,K24...	Imatinib (BCR-ABL inhibitor 1st gen&K...	Resistant	European Leuke...	PMID:21562040





Biomarkers to Precision Drugs

