Variant Analysis

VCF - Variant Call Format

beftats converts 23 and Me tov to VCF

Pharm GKB - curates knowledge about the impact of genetic varietion on drug response

Genotype - a Set of jenes
Phenotype - observable characteristics due to genes

Thurm OKB annotations report the association between a variant and a drug phenotype. Annotations are created manually by curaturs.

Examples

Variant Molecules Sentence 1538... atorvastutin Genotype GG is associated with ...

> moreso than Genotype IT is

Variant annotations Folder:

1. var-phulo-ann. tsv (variant affects a phenotipe)

2. Var-drug-ann. tsv (variant affects drug response)

3. var-fa-ann. tsv (in vitro & functional analysis)

4. study-pavameters. tsv (cross references other files, info
about stubles)

- Search for variants that exist in var-pheno-ann - Parse the sentences for certain words

-consider P-value?

- venerate report that consolidates the into From sentences

variants format

- rs ###··· (Sentonies contain A, G, T, C Alleles)
- (APITAL*## (Sentenies don't mention Alleles)

CHELLIO II 4 Common (Light Michilan Millers)

Sentence tormat

for 15 ### Variant: Allele A is (not) associated with

- .. as compared to Allele C