# ClinVar Report

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## February 1, 2017

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	ourcing ClinVar input from: clinvar_2012-06-16.vcf ending output to: Report_2012-06-16.pdf	

- 1 Collect and Merge ClinVar Data
- 1.1 Import ClinVar VCF
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#### 3 Penetrance Estimates

#### 3.1 Max/Min Penetrance as a Function of P(D) and P(V|D)

The left end of the boxplot indicates P(V|D) = 0.01, the bold line in the middle indicates P(V|D) = point value, the right end of the boxplot indicates P(V|D) = 1.

Note: Some diseases have mean theoretical penetrance = 1 because the assumed allelic heterogeneity is greater than is possible, given the observed prevalence and allele frequencies.

#### 3.2 Penetrance Estimates by Ancestry