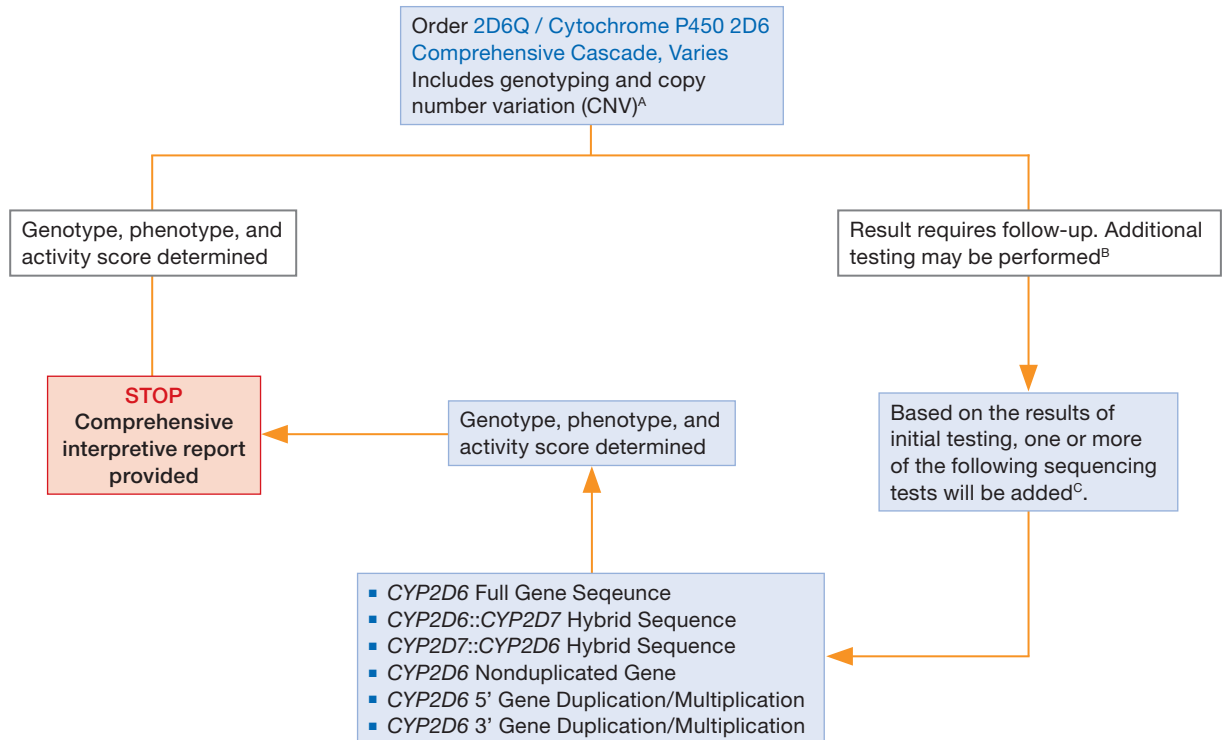


CYP2D6 Comprehensive Cascade Testing Algorithm*



*Additional testing is performed to derive as accurate a phenotype as possible.

[^]Always performed

[^]Additional testing may be performed (only approximately 3% of individuals may need additional testing) for the following reasons:

1. No call on an assay for a single nucleotide variant
2. Genotype pattern does not fit known star allele
3. Duplication involving alleles with different levels of activity
4. Genotype/phenotype discord
5. Laboratory director request (*CYP2D6* real time PCR and CNV assays must be completed first)
6. Ambiguous genotype leading to ambiguous phenotype.

[^] Follow-up sequencing performed on blood specimens only: The number of sequencing tests needed to determine the phenotype will vary depending on the initial result. Due to lower DNA quality and concentration extracted from saliva than blood, follow-up sequencing cannot be performed and testing will stop after the initial results (genotyping and CNV) are obtained.