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 single nucleotide polymorphism
  2. Single nucleotide polymorphism 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)

*C Tier 2 sequence test options include: CYP2D6 full gene sequencing, CYP2D6-2D7 gene sequencing, CYP2D7-2D6 gene sequencing, CYP2D6 duplication sequence A, CYP2D6 duplication sequence B, CYP2D6 duplication sequence C. The test assigned is based on the total number of sequence test options performed.