**Changes to *CYP2D6* genotype to phenotype translation (effective 10/2019)**

|  |  |  |
| --- | --- | --- |
| **Diplotypes (those affected by changes are in red)** | **Previous CPIC Definition** | **Consensus CPIC Definition** |
| Duplicated normal function alleles in combination with (1) a decreased function allele OTHER THAN *CYP2D6\*10* or (2) another normal function allele | Ultrarapid MetabolizerAS =>2.5 | Ultrarapid MetabolizerAS =>2.5 |
| Duplicated normal function alleles in combination with *CYP2D6\*10* (e.g., *CYP2D6\*1x2/\*10*, *CYP2D6\*2x2/\*10*)) | Ultrarapid MetabolizerAS 2.5 | Normal MetabolizerAS 2.25 |
| 2 normal function alleles | Normal MetabolizerAS 2.0 | Normal MetabolizerAS 2.0 |
| A normal function allele plus a decreased function allele OTHER THAN *CYP2D6\*10* | Normal MetabolizerAS 1.5 | Normal MetabolizerAS 1.5 |
| *CYP2D6\*10* plus a normal function allele (e.g., *CYP2D6\*1/\*10*) | Normal MetabolizerAS 1.5 | Normal MetabolizerAS 1.25 |
| All diplotypes resulting in AS of 1 (e.g., two decreased function alleles OTHER THAN *CYP2D6\*10*) | Normal MetabolizerAS 1 | Intermediate MetabolizerAS 1 |
| *CYP2D6\*10* plus another decreased function allele*(e.g., CYP2D6\*9/\*10)* | Normal MetabolizerAS 1 | Intermediate Metabolizer AS 0.75 |
| *CYP2D6\*10/\*10* | Normal MetabolizerAS 1 | Intermediate MetabolizerAS 0.5 |
| *CYP2D6\*10* plus a no function allele(e.g., *CYP2D6\*4/\*10*) | Intermediate MetabolizerAS 0.5 | Intermediate MetabolizerAS 0.25 |
| 2 no function alleles | Poor MetabolizerAS 0 | Poor MetabolizerAS 0 |