

Drug (generic name)/indication	PGx test or correlation	Comment
Coumadin (warfarin)/anticoagulant used to prevent blood clots and pulmonary embolism	Tests for CYP450 2C9 and VKORC1 polymorphisms (neither is interrogated by the AmpliChip)	CYP450 variants and CYP2C9*2 and *3 metabolize warfarin inefficiently; VKORC1 polymorphisms are responsible for variations in warfarin metabolism.
Tamoxifen	CYP450 2D6 variants	2D6 poor metabolizers and those receiving 2D6 inhibitors, for example, fluoxetine, fail tamoxifen therapy.
Psychotropic medications, for example, amitriptyline, fluoxetine, nortriptyline, paroxetine, venlafaxine, haloperidol, and risperidone/depression and antipsychotics	Variations in CYP450 alleles, including 2D6 and 2C19	Many tests for variants exist in the marketplace. Log on to <a href="http://www.ahrq.gov">www.ahrq.gov</a> and search for CYP450 to learn more.