

# PGXMarkers Medication List (by class)

Medications with only informative guidance available on Plus Panel

Drug	Brand Name(s)	Gene(s)	Therapeutic Class	Evidence Level(s)
<b>Antihistamine</b>				
Meclizine	Antivert	CYP2D6	Antihistamines - H1 Receptor Antagonists	Actionable
<b>Anticancer Agent</b>				
Erdafitinib	Balversa	CYP2C9	Protein Kinase Inhibitors	Actionable
Gefitinib	Iressa	CYP2D6	Protein Kinase Inhibitors	Actionable
Tamoxifen	Nolvadex, Soltamox	CYP2D6	Anti-Estrogens	Actionable
<b>Dermatology</b>				
Abrocitinib	Cibinqo	CYP2C19	Dermatology - Protein Kinase Inhibitor	Actionable
<b>Cardiovascular</b>				
Atorvastatin	Lipitor	SLCO1B1	Cardio - Statins	Actionable
Carvedilol	Coreg, Coreg CR	CYP2D6	Cardio - Beta Blockers	Actionable
Clopidogrel	Plavix	CYP2C19	Cardio - Antiplatelets	Actionable
Flecainide	Tambocor	CYP2D6	Cardio - Antiarrhythmics	Actionable
Metoprolol	Lopressor	CYP2D6	Cardio - Beta Blockers	Actionable
Mexiletine	Mexitil	CYP2D6	Cardio - Antiarrhythmics	Actionable
Nebivolol	Bystolic	CYP2D6	Cardio - Beta Blockers	Actionable
Propafenone	Rythmol	CYP2D6	Cardio - Antiarrhythmics	Actionable
Propranolol	Inderal	CYP2D6	Cardio - Beta Blockers	Actionable
Ranolazine	Ranexa	CYP2D6	Cardio - Antianginal Agents	Actionable
Simvastatin	Zocor	SLCO1B1	Cardio - Statins	Actionable
<b>Gastrointestinal</b>				
Dexlansoprazole	Dexilant, Kapidex	CYP2C19	GI - Proton Pump Inhibitors	Actionable
Dronabinol	Marinol	CYP2C9	GI - Antiemetics	Actionable
Esomeprazole	Nexium	CYP2C19	GI - Proton Pump Inhibitors	Actionable
Lansoprazole	Prevacid	CYP2C19	GI - Proton Pump Inhibitors	Actionable
Metoclopramide	Reglan	CYP2D6	GI - Antiemetics	Actionable
Omeprazole	Prilosec	CYP2C19	GI - Proton Pump Inhibitors	Actionable
Ondansetron	Zofran, Zuplenz	CYP2D6	GI - Antiemetics	Actionable
Pantoprazole	Protonix	CYP2C19	GI - Proton Pump Inhibitors	Actionable
Rabeprazole	Aciphex	CYP2C19	GI - Proton Pump Inhibitors	Actionable
<b>Gaucher Disease</b>				
Eliglustat	Cerdelga	CYP2D6	Endocrine-Metabolic Agents	Actionable
<b>Gynecology</b>				
Elagolix	Orilissa	SLCO1B1	Endometriosis Pain Agents	Actionable

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Drug	Brand Name(s)	Gene(s)	Therapeutic Class	Evidence Level(s)
<b>Infections</b>				
Efavirenz	Sustiva	CYP2B6	Anti-HIV Agents	Actionable
Voriconazole	Vfend	CYP2C19	Antifungals	Actionable
<b>Multiple Sclerosis</b>				
Siponimod	Mayzent	CYP2C9	MS - Disease-Modifying Agents	Actionable
<b>Pain</b>				
Benzhydrocodone	Apadaz	CYP2D6	Pain - Opioids	Actionable
Carisoprodol	Soma	CYP2C19	Pain - Muscle Relaxants	Informative
Celecoxib	Celebrex	CYP2C9	Pain - NSAIDs	Actionable
Codeine	Codeine; Fioricet with Codeine	CYP2D6	Pain - Opioids	Actionable
Dihydrocodeine	Synalgos-DC	CYP2D6	Pain - Opioids	Actionable
Hydrocodone	Vicodin	CYP2D6	Pain - Opioids	Actionable
Ibuprofen	Advil, Motrin	CYP2C9	Pain - NSAIDs	Actionable
Meloxicam	Mobic	CYP2C9	Pain - NSAIDs	Actionable
Oliceridine	Olinvyk	CYP2D6	Pain - Opioids	Actionable
Oxycodone	Percocet, Oxycontin	CYP2D6	Pain - Opioids	Actionable
Piroxicam	Feldene	CYP2C9	Pain - NSAIDs	Actionable
Tramadol	Ultram	CYP2D6	Pain - Opioids	Actionable
<b>Psychotropic</b>				
Amitriptyline	Elavil	CYP2D6, CYP2C19	Antidepressants	Actionable, Actionable
Aripiprazole	Abilify, Aristada	CYP2D6	Antipsychotics	Actionable
Atomoxetine	Strattera	CYP2D6	Anti-ADHD Agents	Actionable
Brexpiprazole	Rexulti	CYP2D6	Antipsychotics	Actionable
Brivaracetam	Briviact	CYP2C19	Anticonvulsants	Actionable
Citalopram	Celexa	CYP2C19	Antidepressants	Actionable
Clobazam	Onfi	CYP2C19	Benzodiazepines	Actionable
Clomipramine	Anafranil	CYP2D6, CYP2C19	Antidepressants	Actionable, Actionable
Clozapine	Clozaril	CYP2D6	Antipsychotics	Actionable
Desipramine	Norpramin	CYP2D6	Antidepressants	Actionable
Desvenlafaxine	Pristiq	CYP2D6	Antidepressants	Actionable
Deutetrabenazine	Austedo	CYP2D6	Other Neurological Agents	Actionable

Drug	Brand Name(s)	Gene(s)	Therapeutic Class	Evidence Level(s)
Dextromethorphan / Quinidine	Nuedexta	CYP2D6	Other Neurological Agents	Actionable
Doxepin	Silenor	CYP2D6, CYP2C19	Antidepressants	Actionable, Actionable
Escitalopram	Lexapro	CYP2C19	Antidepressants	Actionable
Flibanserin	Addyi	CYP2C19	Other Neurological Agents	Actionable
Fluvoxamine	Luvox	CYP2D6	Antidepressants	Actionable
Fosphenytoin	Cerebyx	CYP2C9	Anticonvulsants	Actionable
Haloperidol	Haldol	CYP2D6	Antipsychotics	Actionable
Iloperidone	Fanapt	CYP2D6	Antipsychotics	Actionable
Imipramine	Tofranil	CYP2D6, CYP2C19	Antidepressants	Actionable, Actionable
Lofexidine	Lucemyra	CYP2D6	Antiaddictives	Actionable
Nortriptyline	Pamelor	CYP2D6	Antidepressants	Actionable
Paliperidone	Invega	CYP2D6	Antipsychotics	Actionable
Paroxetine	Paxil, Brisdelle	CYP2D6	Antidepressants	Actionable
Perphenazine	Trilafon	CYP2D6	Antipsychotics	Actionable
Phenobarbital	Luminal	CYP2C19	Anticonvulsants	Informative
Phenytoin	Dilantin	CYP2C9	Anticonvulsants	Actionable
Pimozide	Orap	CYP2D6	Antipsychotics	Actionable
Risperidone	Risperdal	CYP2D6	Antipsychotics	Actionable
Sertraline	Zoloft	CYP2C19	Antidepressants	Actionable
Tetrabenazine	Xenazine	CYP2D6	Other Neurological Agents	Actionable
Thioridazine	Mellaril	CYP2D6	Antipsychotics	Actionable
Trimipramine	Surmontil	CYP2D6, CYP2C19	Antidepressants	Actionable, Actionable
Valbenazine	Ingrezza	CYP2D6	Other Neurological Agents	Actionable
Venlafaxine	Effexor	CYP2D6	Antidepressants	Actionable
Vortioxetine	Trintellix	CYP2D6	Antidepressants	Actionable
<b>Sjogren's Syndrome</b>				
Cevimeline	Evoxac	CYP2D6	Dental - Cholinergic Agonists	Actionable
<b>Sleep Disorder Agents</b>				
Pitolisant	Wakix	CYP2D6	Narcoleptic Agents	Actionable
<b>Transplantation</b>				
Tacrolimus	Prograf	CYP3A5	Immunosuppressants	Actionable
<b>Urologicals</b>				
Darifenacin	Enablex	CYP2D6	Antispasmodics	Actionable
Fesoterodine	Toviaz	CYP2D6	Antispasmodics	Actionable

Drug	Brand Name(s)	Gene(s)	Therapeutic Class	Evidence Level(s)
Mirabegron	Myrbetriq	CYP2D6	Antispasmodics	Actionable
Tamsulosin	Flomax	CYP2D6	Antispasmodics	Actionable
Tolterodine	Detrol	CYP2D6	Antispasmodics	Actionable

# PGXMarkers Medication List (alphabetically)

Medications with only informative guidance available on Plus Panel

Drug	Brand Name(s)	Gene(s)	Therapeutic Class	Evidence Level(s)
Abrocitinib	Cibinqo	CYP2C19	Dermatology – Protein Kinase Inhibitor	Actionable
Aripiprazole	Abilify, Aristada	CYP2D6	Antipsychotics	Actionable
Atomoxetine	Strattera	CYP2D6	Anti-ADHD Agents	Actionable
Atorvastatin	Lipitor	SLCO1B1	Cardio - Statins	Actionable
Benzhydrocodone	Apadaz	CYP2D6	Pain - Opioids	Actionable
Brexpiprazole	Rexulti	CYP2D6	Antipsychotics	Actionable
Brivaracetam	Briivact	CYP2C19	Anticonvulsants	Actionable
Carvedilol	Coreg, Coreg CR	CYP2D6	Cardio – Beta Blockers	Actionable
Celecoxib	Celebrex	CYP2C9	Pain - NSAIDs	Actionable
Cevimeline	Evoxac	CYP2D6	Dental - Cholinergic Agonists	Actionable
Citalopram	Celexa	CYP2C19	Antidepressants	Actionable
Clobazam	Onfi	CYP2C19	Benzodiazepines	Actionable
Clomipramine	Anafranil	CYP2D6, CYP2C19	Antidepressants	Actionable, Actionable
Clopidogrel	Plavix	CYP2C19	Cardio - Antiplatelets	Actionable
Clozapine	Clozaril	CYP2D6	Antipsychotics	Actionable
Codeine	Codeine; Fioricet with Codeine	CYP2D6	Pain - Opioids	Actionable
Darifenacin	Enablex	CYP2D6	Antispasmodics	Actionable
Desipramine	Norpramin	CYP2D6	Antidepressants	Actionable
Desvenlafaxine	Pristiq	CYP2D6	Antidepressants	Actionable
Deutetrabenazine	Austedo	CYP2D6	Other Neurological Agents	Actionable
Dexlansoprazole	Dexilant, Kapidex	CYP2C19	GI - Proton Pump Inhibitors	Actionable
Dextromethorphan / Quinidine	Nuedexta	CYP2D6	Other Neurological Agents	Actionable
Dihydrocodeine	Synalgos-DC	CYP2D6	Pain - Opioids	Actionable
Doxepin	Silenor	CYP2D6, CYP2C19	Antidepressants	Actionable, Actionable
Dronabinol	Marinol	CYP2C9	GI - Antiemetics	Actionable
Efavirenz	Sustiva	CYP2B6	Anti-HIV Agents	Actionable
Elagolix	Orilissa	SLCO1B1	Endometriosis Pain Agents	Actionable
Eliglustat	Cerdelga	CYP2D6	Endocrine-Metabolic Agents	Actionable
Erdafitinib	Balversa	CYP2C9	Protein Kinase Inhibitors	Actionable
Escitalopram	Lexapro	CYP2C19	Antidepressants	Actionable
Esomeprazole	Nexium	CYP2C19	GI - Proton Pump Inhibitors	Actionable
Fesoterodine	Toviaz	CYP2D6	Antispasmodics	Actionable

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Drug	Brand Name(s)	Gene(s)	Therapeutic Class	Evidence Level(s)
Flecainide	Tambocor	CYP2D6	Cardio - Antiarrhythmics	Actionable
Flurbiprofen	Ansaid	CYP2C9	Pain - NSAIDs	Actionable
Fluvoxamine	Luvox	CYP2D6	Antidepressants	Actionable
Fosphenytoin	Cerebyx	CYP2C9	Anticonvulsants	Actionable
Gefitinib	Iressa	CYP2D6	Protein Kinase Inhibitors	Actionable
Haloperidol	Haldol	CYP2D6	Antipsychotics	Actionable
Hydrocodone	Vicodin	CYP2D6, OPRM1	Pain - Opioids	Actionable
Ibuprofen	Advil, Motrin	CYP2C9	Pain - NSAIDs	Actionable
Iloperidone	Fanapt	CYP2D6	Antipsychotics	Actionable
Imipramine	Tofranil	CYP2D6, CYP2C19	Antidepressants	Actionable, Actionable
Lansoprazole	Prevacid	CYP2C19	GI - Proton Pump Inhibitors	Actionable
Lofexidine	Lucemyra	CYP2D6	Antiaddictives	Actionable
Meclizine	Antivert	CYP2D6	Antihistamines - H1 Receptor Antagonists	Actionable
Meloxicam	Mobic	CYP2C9	Pain - NSAIDs	Actionable
Metoclopramide	Reglan	CYP2D6	GI - Antiemetics	Actionable
Metoprolol	Lopressor	CYP2D6	Cardio - Beta Blockers	Actionable
Mexiletine	Mexitil	CYP2D6	Cardio - Antiarrhythmics	Actionable
Mirabegron	Myrbetriq	CYP2D6	Antispasmodics	Actionable
Nebivolol	Bystolic	CYP2D6	Cardio - Beta Blockers	Actionable
Nortriptyline	Pamelor	CYP2D6	Antidepressants	Actionable
Oliceridine	Olinvyk	CYP2D6	Pain - Opioids	Actionable
Omeprazole	Prilosec	CYP2C19	GI - Proton Pump Inhibitors	Actionable
Ondansetron	Zofran, Zuplenz	CYP2D6	GI - Antiemetics	Actionable
Oxycodone	Percocet, Oxycontin	CYP2D6	Pain - Opioids	Actionable
Paliperidone	Invega	CYP2D6	Antipsychotics	Actionable
Pantoprazole	Protonix	CYP2C19	GI - Proton Pump Inhibitors	Actionable
Paroxetine	Paxil, Brisdelle	CYP2D6	Antidepressants	Actionable
Perphenazine	Trilafon	CYP2D6	Antipsychotics	Actionable
Phenytoin	Dilantin	CYP2C9	Anticonvulsants	Actionable
Pimozide	Orap	CYP2D6	Antipsychotics	Actionable
Piroxicam	Feldene	CYP2C9	Pain - NSAIDs	Actionable
Pitolisant	Wakix	CYP2D6	Narcoleptic Agents	Actionable
Propafenone	Rythmol	CYP2D6	Cardio - Antiarrhythmics	Actionable
Propranolol	Inderal	CYP2D6	Cardio - Beta Blockers	Actionable
Rabeprazole	Aciphex	CYP2C19	GI - Proton Pump Inhibitors	Actionable
Ranolazine	Ranexa	CYP2D6	Cardio - Antianginal Agents	Actionable

Drug	Brand Name(s)	Gene(s)	Therapeutic Class	Evidence Level(s)
Risperidone	Risperdal	CYP2D6	Antipsychotics	Actionable
Sertraline	Zoloft	CYP2C19	Antidepressants	Actionable
Simvastatin	Zocor	SLCO1B1	Cardio - Statins	Actionable
Siponimod	Mayzent	CYP2C9	MS - Disease-Modifying Agents	Actionable
Tacrolimus	Prograf	CYP3A5	Immunosuppressants	Actionable
Tamoxifen	Nolvadex, Soltamox	CYP2D6	Anti-Estrogens	Actionable
Tamsulosin	Flomax	CYP2D6	Antispasmodics	Actionable
Tetrabenazine	Xenazine	CYP2D6	Other Neurological Agents	Actionable
Thioridazine	Mellaril	CYP2D6	Antipsychotics	Actionable
Tolterodine	Detrol	CYP2D6	Antispasmodics	Actionable
Tramadol	Ultram	CYP2D6	Pain - Opioids	Actionable
Trimipramine	Surmontil	CYP2D6, CYP2C19	Antidepressants	Actionable, Actionable
Valbenazine	Ingrezza	CYP2D6	Other Neurological Agents	Actionable
Venlafaxine	Effexor	CYP2D6	Antidepressants	Actionable
Voriconazole	Vfend	CYP2C19	Antifungals	Actionable
Vortioxetine	Trintellix	CYP2D6	Antidepressants	Actionable