

Extended Data Table 4. Reitz et al.

Drug Class	Drug Name (generic)	Major Trade Name	Rhythmic Genes (Murine heart, CircaDB)	Rest-responsive Genes (Rest model, murine heart microarrays)
Anticoagulants	Apixaban	Eliquis	<i>Abcb1a, Abcg2</i>	<i>Abcb1a</i>
	Dabigatran	Pradaxa	<i>Abcb1a, Ces1</i>	<i>Abcb1a, Ces1</i>
	Heparin	various	<i>Ccl5, Fgfr1, Fgfr4, Hgf, Vegfa</i>	<i>Fgfr4, Hgf, Vegfa</i>
	Rivaroxaban	Xarelto	<i>Abcb1a, Abcg2</i>	<i>Abcb1a</i>
	Warfarin	Coumadin	<i>Cyp1a1</i>	-
Antiplatelet Agents	Aspirin		<i>Abcb1a, Ccna2, Ednra, Hsp5a, Mapk6, Nfkb1, Nfkbia, Prkaa1, Prkab1, Ptgs1, Rps6ka3</i>	<i>Abcb1a, Ccna2, Ccnd1, Hspa5, Mapk6, Prkaa2</i>
	Clopidogrel	Plavix	<i>Abcb1a, Ces1</i>	<i>Abcb1a, Ces1, Slc22a2</i>
	Dipyridamole		<i>Abcb1a, Abcc5, Pde4a, Rcan1, Slco2b1</i>	<i>Abcb11, Abcb1a, Abcc5, Rcan1</i>
	Prasugrel	Effient	-	-
	Ticagrelor	Brilinta	<i>Abcb1a</i>	<i>Abcb1a</i>
ACE Inhibitors	Benazepril	Lotensin	<i>Ace, Mthfr</i>	-
	Captopril	Capoten	<i>Abcb1a, Ace</i>	<i>Abcb1a, Lta4h</i>
	Enalapril	Vasotec	<i>Abcb1a, Ace</i>	<i>Abcb1a</i>
	Fosinopril	Monopril	<i>Ace</i>	-
	Lisinopril	Prinivil/Zestril	<i>Ace</i>	-
	Moexipril	Univasc	<i>Ace, Ace2</i>	-
	Perindopril	Aceon	<i>Ace</i>	-
	Quinapril	Accupril	<i>Ace</i>	-
	Ramipril	Altace	<i>Ace</i>	-
	Trandolapril	Mavik	<i>Ace, Ces1</i>	<i>Ces1</i>
Angiotensin II Receptor Blockers	Candesartan	Atacand	<i>Abcb1a, Agtr1a, Ptgs1</i>	<i>Abcb1a</i>
	Eprosartan	Teveten	<i>Agtr1a</i>	-
	Irbesartan	Avapro	<i>Agtr1a, Jun, Ptgs1</i>	-
	Losartan	Cozaar	<i>Abcb1a, Agtr1a</i>	<i>Abcb11, Abcb1a</i>
	Telmisartan	Micardis	<i>Abcb1a, Abcg2, Agtr1a</i>	<i>Abcb11, Abcb1a</i>
	Valsartan	Diovan	<i>Agtr1a</i>	-
Angiotensin-Receptor Neprilysin Inhibitors	Sacubitril/valsartan	Entresto	-	-
Beta Blockers	Acebutolol	Sectral	<i>Abcb1a, Adrb1</i>	<i>Abcb1a</i>
	Atenolol	Tenormin	<i>Adrb1</i>	<i>Abcb11</i>
	Betaxolol	Kerlone	<i>Adrb1</i>	-
	Bisoprolol/hydrochlorothiazide	Ziac	<i>Abcb1a, Adrb1</i>	<i>Abcb1a</i>
	Bisoprolol	Zebeta	<i>Abcb1a, Adrb1</i>	<i>Abcb1a</i>
	Metoprolol	Lopressor/Toprol XL	<i>Abcb1a, Adrb1</i>	<i>Abcb1a, Slc22a2</i>
	Nadolol	Corgard	<i>Abcb1a, Adrb1</i>	<i>Abcb1a</i>
	Propranolol	Inderal	<i>Abcb1a, Adrb1, Cyp1a1</i>	<i>Abcb1a, Slc22a2</i>
Combined Alpha and Beta Blockers	Sotalol	Betapace	<i>Adrb1, Kcnh2</i>	-
	Carvedilol	Coreg	<i>Abcb1a, Adra1a, Adra1d, Adrb1, Cyp1a1, Gja1, Hif1a, Kcnh2, Ndufc2, Nppb, Ptgs1, Vcam1, Vegfa, Xdh</i>	<i>Abcb1a, Gja1, Hif1a, Nppb, Vcam1, Vegfa</i>
	Labetalol hydrochloride	Normodyne/Trandate	<i>Adra1a, Adra1d, Adrb1</i>	-
Calcium Channel Blockers	Amlodipine	Norvasc/Lotrel	<i>Abcb1a, Cyp1a1, Nos2</i>	<i>Abcb1a, Cacna1c</i>
	Diltiazem	Cardizem/Tiazac	<i>Abcb1a</i>	<i>Abcb1a, Cacna1c</i>
	Felodipine	Plenidil	<i>Abcb1a, Cacnb2, Calm2, Calm3, Nr3c2, Pde1b</i>	<i>Abcb11, Abcb1a, Cacna1c, Tnnc2</i>
	Nifedipine	Adalat/Procardia	<i>Abcb1a, Cacnb2, Calm2, Calm3, Cyp1a1</i>	<i>Abcb11, Abcb1a, Cacna1c</i>
	Nimodipine	Nimotop	<i>Cacnb2, Cacnb3, Cacnb4, Nr3c2</i>	<i>Cacna1c, Cacnb3, Cacnb4</i>
	Nisoldipine	Sular	<i>Abcb1a, Cacnb2</i>	<i>Abcb1a, Cacna1c</i>
	Verapamil	Calan/Verelan	<i>Abcb1a, Abcc1, Abcc5, Adra1a, Adra1d, Cacnb2, Cacnb3, Cacnb4, Kcnh2, Scn5a</i>	<i>Abcb11, Abcb1a, Cacna1c, Cacnb3, Cacnb4, Slc22a5</i>
Cholesterol-lowering Medications	Atorvastatin	Lipitor	<i>Abcb1a, Abcc1, Abcc5, Slco2b1</i>	<i>Abcb11, Abcb1a, Abcc5, Dpp4</i>
	Digitoxin		<i>Abcb1a</i>	<i>Abcb1a, Cyp11a1</i>
	Digoxin	Lanoxin	<i>Abcb1a</i>	<i>Abcb11, Abcb1a, Cyp11a1</i>
	Ezetimibe/Simvastatin	Vytorin	<i>Abcb1a, Abcg2</i>	<i>Abcb11, Abcb1a</i>
	Lovastatin	Advicor	<i>Abcb1a</i>	<i>Abcb11, Abcb1a</i>
	Rosuvastatin	Crestor	<i>Abcc1, Abcg2, Slco2b1</i>	<i>Abcb11, Slc7a11</i>
	Simvastatin	Zocor	<i>Abcb1a</i>	<i>Abcb11, Abcb1a</i>
Diuretics	Amiloride	Midamor	<i>Scnn1g</i>	<i>Scnn1a, Slc22a2</i>
	Bumetanide	Bumex	<i>Slc12a4</i>	-
	Chlorothiazide	Diuril	-	-
	Chlorthalidone	Hygroton	-	-
	Furosemide	Lasix	<i>Pgd, Slco2a1</i>	<i>Slc22a5</i>
	Hydro-chlorothiazide	Esidrix/Hydrodiuril	-	-
	Indapamide	Lozol	-	-
	Spironolactone	Aldactone	<i>Abcb1a, Nr3c1, Nr3c2</i>	<i>Abcb11, Abcb1a, Cacna1c, Srd5a1</i>
Vasodilators	Hydralazine	Apresoline	<i>P4ha1</i>	<i>P4ha1</i>
	Isosorbide dinitrate	Isordil	-	-
	Minoxidil	Loniten	<i>Ptgs1</i>	<i>Ren1</i>
	Nesiritide	Natreacor	<i>Npr2, Npr3</i>	-
	Nitroglycerin	Nitrostat	-	-
	Nitroprusside	Nitropress	<i>Cyp1a1</i>	-