

Table S2. DR-neutral nsSNVs in the DrugVar dataset.

rsID	Gene	Protein ID	Variant	Drugs Tested
rs1042636	CASR	NP_000379	R990G	cinacalcet
rs10868138	SLC28A3	NP_071410	Y113C	gemcitabine
rs1138272	GSTP1	NP_000843	A114V	Cisplatin, cyclophosphamide, fluorouracil, leucovorin, oxaliplatin, Platinum compounds
rs11568658	ABCC4	NP_001098985	G187W	tenofovir
rs12233719	UGT2B7	NP_001065	A71S	methadone
rs137852808	CHRNA1	NP_000070	C438W	hmg coa reductase inhibitors
rs17863762	UGT1A8	NP_061949	C277Y	mycophenolate mofetil
rs1799782	XRCC1	NP_006288	R194W	Cisplatin, cyclophosphamide
rs1800440	CYP1B1	NP_000095	N453S	Capecitabine, cisplatin, docetaxel, epirubicin, gemcitabine
rs1800462	TPMT	NP_000358	A80P	purine analogues, mercaptopurine azathioprine, thioguanine
rs1800470	TGFB1	NP_000651	P10L	Cyclosporine, mycophenolate mofetil
rs1800471	TGFB1	NP_000651	R25P	Cyclosporine, mycophenolate mofetil
rs1801158	DPYD	NP_000101	S534N	Fluorouracil, leucovorin
rs1801282	PPARG	NP_056953	P12A	pioglitazone
rs2020870	FMO2	NP_001451	D36G	anthracyclines and related substances
rs2073618	TNFRSF11B	NP_002537	N3K	Pamidronate, zoledronate
rs2108622	CYP4F2	NP_001073	V433M	fluidione
rs2242047	SLC28A1	NP_004204	R510C	gemcitabine
rs2286007	WNK1	NP_001171914	T665I	hydrochlorothiazide
rs2290272	SLC28A1	NP_004204	V189I	gemcitabine
rs2298771	SCN1A	NP_008851	A1056T	Carbamazepine, phenytoin, valproic acid
rs2308321	MGMT	NP_002403	I174V	temozolomide
rs2308327	MGMT	NP_002403	K209R	temozolomide
rs25489	XRCC1	NP_006288	R280H	Cisplatin, cyclophosphamide
rs316019	SLC22A2	NP_003049	S270A	Cisplatin, anthracyclines and related substances, metformin
rs3184504	SH2B3	NP_005466	W262R	Beta Blocking Agents, diltiazem, Thiazides
rs34116584	AGXT	NP_000021	P11H	Fluorouracil, leucovorin, oxaliplatin
rs36210421	KCNH2	NP_000229	R1047L	dofetilide
rs3924999	NRG1	NP_004486	R38Q	methamphetamine
rs4426527	AGXT	NP_000021	I340M	Fluorouracil, leucovorin, oxaliplatin
rs45589337	DPYD	NP_000101	K259E	Cyclophosphamide, fluorouracil, methotrexate
rs487989	POLA2	NP_002680	G583R	gemcitabine
rs6312	HTR2A	NP_001159419	D49N	Atorvastatin, pravastatin, simvastatin
rs660339	UCP2	NP_003346	A55V	antipsychotics
rs6759892	UGT1A10	NP_001063	S7A	anthracyclines and related substances
rs7080681	ABCC2	NP_000383	R353H	tenofovir
rs7483	GSTM3	NP_000840	V224I	Cisplatin, cyclophosphamide
rs757110	ABCC8	NP_000343	A1369S	Glibenclamide, glimepiride, sulfonamides, urea derivatives
rs763780	IL17F	NP_443104	H161R	gemcitabine
rs8187758	SLC28A1	NP_004204	Q237K	gemcitabine
rs8192678	PPARGC1A	NP_037393	G482S	rosiglitazone
rs8192924	CES2	NP_003860	R270H	capecitabine
rs854560	PON1	NP_000437	L55M	clopidogrel