

Table S1. The DR-affecting nsSNVs in the DrugVar dataset.

rsID	Gene	RefSeq_Protein	Variant	Drug
rs1695	GSTP1	NP_000843	I105V	Platinum compounds, fluorouracil, oxaliplatin, cyclophosphamide, epirubicin
rs4680	COMT	NP_000745	V158M	Nicotine
rs4880	SOD2	NP_000627	V16A	Cyclophosphamide
rs4961	ADD1	NP_001110	G460W	Furosemide, spironolactone
rs20455	KIF6	NP_659464	W719R	Pravastatin
rs25487	XRCC1	NP_006288	Q399R	Carboplatin, cisplatin, oxaliplatin, platinum compounds
rs396991	FCGR3A	NP_000560	F212V	Rituximab, cetuximab
rs1042522	TP53	NP_000537	P72R	Antineoplastic agents, cisplatin, cyclophosphamide, fluorouracil, paclitaxel
rs1042713	ADBR2	NP_000015	G16R	Salbutamol, salmeterol
rs1050828	G6PD	NP_000393	V98M	Chlorproguanil, dapsone
rs1056892	CBR3	NP_001227	V244M	anthracyclines and related substances
rs1057910	CYP2C9	NP_000762	I359L	Warfarin, antiinflammatory agents, non-steroids, celecoxib, diclofenac, acenocoumarol
rs1127354	ITPA	NP_258412	P32T	interferon alfa-2b recombinant, ribavirin
rs1142345	TPMT	NP_000358	Y240C	Azathioprine, mercaptopurine, purine analogues, thioguanine
rs1799971	OPRM1	NP_000905	N40D	Ethanol, morphine, naloxone
rs1800460	TPMT	NP_000358	A154T	Azathioprine, mercaptopurine, purine analogues, thioguanine
rs1800497	ANKK1	NP_848605	E713K	Bupropion, antipsychotics, antipsychotics, clozapine, olanzapine, risperidone, ethanol
rs1801019	UMPS	NP_000364	G123A	Fluorouracil, leucovorin, tegafur
rs1801131	MTHFR	NP_005948	E429A	Capecitabine, fluorouracil, leucovorin, oxaliplatin, capecitabine
rs1801133	MTHFR	NP_005948	A222V	Methotrexate, fluorouracil, carboplatin, cyclophosphamide
rs1801394	MTRR	NP_002445	I22M	methotrexate
rs2228001	XPC	NP_001139241	Q902K	cisplatin
rs2231142	ABCG2	NP_004818	Q141K	rosuvastatin
rs2297595	DPYD	NP_000101	M166V	Capecitabine, fluorouracil
rs3212986	ERCC1	NP_036231	Q504K	Cisplatin, platinum compounds
rs3745274	CYP2A7P1	NP_000758	Q172H	efavirenz
rs4149056	SLCO1B1	NP_006437	V174A	Simvastatin, cerivastatin, hmg coa reductase inhibitors
rs67376798	DPYD	NP_000101	D949V	fluorouracil
rs75527207	CFTR	NP_000483	G551D	ivacaftor
rs121434568	EGFR	NP_005219	L838R	Erlotinib, gefitinib, carboplatin, gefitinib, paclitaxel, carboplatin, docetaxel, erlotinib, gemcitabine, paclitaxelefitefinib
rs121434569	EGFR	NP_005219	T790M	Erlotinib, gefitinib