

**Table S2.** SNPs panel. Information regarding drug agencies recommendation, drug labels and levels of evidence according to PharmGKB (accessed 2019). RNPGx: French National Network of Pharmacogenetics; EMA: European Medicines Agency; FDA: Food and Drug Administration; Sw: Swissmedic

SNP	Gene	Wild type	Variant	Guides	Drug label		Level of evidence	
					Agency	Status	Adult	Pediatric
rs1042522	TP53	C	G	NO	NO	X	3	X
rs1045642	ABCB1	G	A	NO	NO	X	3	3
rs1051266	SLC19A1	C	T	NO	NO	X	3	X
rs11045879	SLC01B1	C	T	RNPGx	NO	X	3	3
rs112445441	KRAS	G	A	NO	NO	X	3	X
rs1127354	ITPA	C	A	NO	NO	X	3	3
rs1142345	TPMT	T	C	NO	NO	X	1A	1A
rs11615	ERCC1	G	A	NO	NO	X	3	X
rs116855232	NUDT15	C	T	NO	EMA	Processable	1A	1A
rs121434568	EGFR	G	A	NO	FDA	Required	1A	X
rs12248560	CYP2C19	C	T	NO	NO	X	3	X
rs1517114	C8orf34	G	C	NO	NO	X	3	X
rs16853826	ATIC	G	A	NO	NO	X	3	X
rs1695	GSTP1	G	A	NO	NO	X	3	X
rs1800460	TPMT	C	T	NO	NO	X	1A	1A
rs1800462	TPMT	C	G	NO	NO	X	NO	X
rs1800566	NQO1	G	A	NO	NO	X	3	X
rs1800584	TPMT	C	T	NO	NO	X	NO	X
rs1801019	UMPS	G	C	NO	NO	X	NO	X
rs1801131	MTHFR	A	C	RNPGx	NO	X	3	3
rs1801133	MTHFR	A	G	RNPGx	NO	X	3	3
rs1801158	DPYD	G	A	NO	NO	X	1A	X
rs1801160	DPYD	G	A	NO	NO	X	1A	X
rs1801274	FCGR2A	A	G	NO	NO	X	3	X
rs1801394	MTRR	A	G	NO	NO	X	3	3
rs2073618	TNFRSF11B	G	C	NO	NO	X	3	X
rs2228001	XPC	T	G	NO	NO	X	3	X
rs2234693	ESR	T	C	NO	NO	X	3	X
rs2299939	PTEN	C	A	NO	NO	X	3	X
rs246240	ABCC1	A	G	NO	NO	X	3	X
rs25487	XRCC1	C	T	NO	NO	X	2B	X
rs2612091	ENOSF1	C	T	NO	NO	X	3	X
rs2699887	PIK3CA	C	T	NO	NO	X	3	X
rs2740574	CYP3A4	A	G	NO	NO	X	3	X
rs316019	SLC22A2	A	C	NO	NO	X	3	3
rs3212986	ERCC1	A	C	NO	NO	X	3	X
rs3215400	CDA	C	Del	NO	NO	X	3	3
rs3740066	ABCC2	T	C	NO	NO	X	3	X
rs3768142	MTRR	G	T	NO	NO	X	3	3
rs3892097	CYP2D6	C	T	NO	NO	X	1A	X
rs3918290	DPYD	C	T	RNPGx	NO	X	1A	X
rs396991	FCGR3A	A	C	NO	NO	X	3	X

rs4124874	UGT1A1	T	C	NO	NO	X	3	X
rs4148323	UGT1A1	G	A	NO	Sw	Informative	1B	X
rs4149015	SLC01B1	G	A	NO	NO	X	3	X
rs4149056	SLC01B1	C	T	NO	NO	X	3	3
rs4244285	CYP2C19	G	A	NO	NO	X	3	X
rs4673993	ATIC	C	T	NO	NO	X	2B	X
rs4802101	CYP2B6	T	C	NO	NO	X	3	X
rs4880	SOD2	A	G	NO	NO	X	3	X
rs55886062	DPYD	A	C	RNPGx	NO	X	1A	X
rs602950	CDA	A	G	NO	NO	X	3	X
rs61886492	FOLH1	G	A	NO	NO	X	3	3
rs67376798	DPYD	T	A	RNPGx	NO	X	1A	X
rs683369	SLC22A1	G	C	NO	NO	X	3	X
rs716274	DYNC2H1	A	G	NO	NO	X	3	X
rs75017182	DPYD	G	C	NO	NO	X	1A	X
rs776746	CYP3A5	A	G	NO	NO	X	1A	1A
rs7779029	SEMA3C	T	C	NO	NO	X	3	X
rs8187710	ABCC2	G	A	NO	NO	X	3	X
rs924607	CEP72	C	T	NO	NO	X	3	3
rs2612091	ENOSF1	C	T	NO	NO	X	3	X
rs2699887	PIK3CA	C	T	NO	NO	X	3	X
rs2740574	CYP3A4	A	G	NO	NO	X	3	X
rs316019	SLC22A2	A	C	NO	NO	X	3	3
rs3212986	ERCC1	A	C	NO	NO	X	3	X
rs3215400	CDA	C	Del	NO	NO	X	3	3
rs3740066	ABCC2	T	C	NO	NO	X	3	X
rs3768142	MTRR	G	T	NO	NO	X	3	3
rs3892097	CYP2D6	C	T	NO	NO	X	1A	X
rs3918290	DPYD	C	T	RNPGx	NO	X	1A	X
rs396991	FCGR3A	A	C	NO	NO	X	3	X
rs4124874	UGT1A1	T	C	NO	NO	X	3	X
rs4148323	UGT1A1	G	A	NO	Sw	Informative	1B	X
rs4149015	SLC01B1	G	A	NO	NO	X	3	X
rs4149056	SLC01B1	C	T	NO	NO	X	3	3
rs4244285	CYP2C19	G	A	NO	NO	X	3	X
rs4673993	ATIC	C	T	NO	NO	X	2B	X
rs4802101	CYP2B6	T	C	NO	NO	X	3	X
rs4880	SOD2	A	G	NO	NO	X	3	X
rs55886062	DPYD	A	C	RNPGx	NO	X	1A	X
rs602950	CDA	A	G	NO	NO	X	3	X
rs61886492	FOLH1	G	A	NO	NO	X	3	3
rs67376798	DPYD	T	A	RNPGx	NO	X	1A	X
rs683369	SLC22A1	G	C	NO	NO	X	3	X
rs716274	DYNC2H1	A	G	NO	NO	X	3	X
rs75017182	DPYD	G	C	NO	NO	X	1A	X
rs776746	CYP3A5	A	G	NO	NO	X	1A	1A
rs7779029	SEMA3C	T	C	NO	NO	X	3	X
rs8187710	ABCC2	G	A	NO	NO	X	3	X
rs924607	CEP72	C	T	NO	NO	X	3	3