

S4 Table. Overview of gene-drug interactions (GDIs) identified during the retrospective reviews of the reconciled drug lists in relation to the respective patients' genotype results. GDIs of potential relevance for assessments of drug-related hospitalizations (DRHs) were determined based on expected consequences of GDIs and information available in the medical records, including causes of hospitalization.

Gene	Drug (*=prodrugs)	Total GDIs, n	Relevant for DRH assessments, n
CYP2C9	Warfarin	19	2
	Losartan*	10	1
	Ibuprofen	5	
	Candesartan	4	
	Irbesartan	3	
	Fluvastatin	2	
	Diclofenac	2	
	Glimepiride	1	
CYP2C19	Pantoprazole	58	2
	Esomeprazole	20	2
	Clopidogrel*	16	1
	Diazepam	11	
	Escitalopram	10	1
	Citalopram	5	1
	Omeprazole	3	
	Lansoprazole	3	
	Doxepin	1	
	Fluoxetine	1	1
	Sertraline	1	
	Venlafaxine	1	1
	CYP2D6	Metoprolol	125
Codeine*		42	2
Oxycodone		19	1
Tramadol*		11	3
Amitriptyline		6	
Mirtazapine		5	
Haloperidol		3	
Carvedilol		2	
Simvastatin		2	2
Fesoterodine		2	
Chlorprothixene		2	2
Risperidone		2	2
Mianserin		2	
Tamsulosin		2	1
Levomepromazine		1	
Prochlorperazine		1	1
Zuclopenthixol		1	1
Venlafaxine		1	1
Donepezil		1	
CYP3A5	Simvastatin	17	
	Atorvastatin	11	
	Apixaban	3	
	Amlodipine	3	
	Rivaroxaban	2	
	Clopidogrel*	1	
	Nifedipine	1	
	Pravastatin	1	
	Vardenafil	1	

	Fentanyl	1	
	Buprenorphine	1	
	Zopiclone	1	
SLCO1B1	Simvastatin	23	1
	Atorvastatin	21	4
	Pravastatin	2	
	Fluvastatin	2	
VCORK	Warfarin	41	4
TOTAL		538	52

CYP = cytochrome P450