

Table S3: DPWG guidelines (n=97): covering 82 drugs and 19 genes, at the time of updated selection (25/01/2019)

1	Abacavir - <i>HLA-B*57:01</i>
2	Contraceptive with ethinylestadiol – <i>F5</i>
3	Zuclopenthixol - <i>CYP2D6</i>
4	Amitriptyline - <i>CYP2D6</i>
5	Clomipramine - <i>CYP2D6</i>
6	Imipramine - <i>CYP2D6</i>
7	Nortriptyline - <i>CYP2D6</i>
8	Venlafaxine - <i>CYP2D6</i>
9	Doxepin - <i>CYP2D6</i>
10	Atorvastatin - <i>SLCO1B1</i>
11	Oxycodone - <i>CYP2D6</i>
12	Tramadol - <i>CYP2D6</i>
13	Codeine - <i>CYP2D6</i>
14	Efavirenz - <i>CYP2B6</i>
15	Flucloxacillin - <i>HLA-B*57:01</i>
16	Fluorouracil/capecitabine - <i>DPYD</i>
17	Azathioprine/mercaptopurine - <i>TPMT</i>
18	Tioguanine - <i>TPMT</i>
19	Tacrolimus - <i>CYP3A5</i>
20	Tegafur - <i>DPYD</i>
21	Metoprolol - <i>CYP2D6</i>
22	Citalopram - <i>CYP2C19</i>
23	Escitalopram - <i>CYP2C19</i>
24	Simvastatin - <i>SLCO1B1</i>
25	Flecainide - <i>CYP2D6</i>
26	Propafenone - <i>CYP2D6</i>
27	Phenytoin - <i>CYP2C9</i>
28	Carbamazepine – <i>HLA-B*15:02</i>
29	Carbamazepine – <i>HLA-A*31:01</i>
30	Carbamazepine – <i>HLA-B*15:11</i>
31	Eliglustat - <i>CYP2D6</i>
32	Allopurinol – <i>HLA-B*58:01</i>
33	Voriconazole - <i>CYP2C19</i>
34	Aripiprazole - <i>CYP2D6</i>
35	Haloperidol - <i>CYP2D6</i>
36	Lansoprazole - <i>CYP2C19</i>
37	Omeprazole - <i>CYP2C19</i>
38	Pantoprazole - <i>CYP2C19</i>
39	Irinotecan - <i>UGT1A1</i>
40	Pimozide - <i>CYP2D6</i>
41	Tamoxifen - <i>CYP2D6</i>
42	Acenocoumarol - <i>VKORC1</i>

43	Phenprocoumon - <i>VKORC1</i>
44	Paroxetine - <i>CYP2D6</i>
45	Sertraline - <i>CYP2C19</i>
46	Clopidogrel - <i>CYP2C19</i>
47	Warfarin - <i>CYP2C9</i>
48	Warfarin - <i>VKORC1</i>
49	Atomoxetine - <i>CYP2D6</i>
50	Imipramine - <i>CYP2C19</i>
51	Ribavirin - <i>HLA-B*44</i>
52	Olanzapine - <i>CYP2D6</i>
53	Atenolol - <i>CYP2D6</i>
54	Bisoprolol - <i>CYP2D6</i>
55	Fluphenazine - <i>CYP2D6</i>
56	Quetiapine - <i>CYP2D6</i>
57	Flupentixol - <i>CYP2D6</i>
58	Duloxetine - <i>CYP2D6</i>
59	Prasugrel - <i>CYP2C19</i>
60	Rabeprazole - <i>CYP2C19</i>
61	Glibenclamide - <i>CYP2C9</i>
62	Gliclazide - <i>CYP2C9</i>
63	Glimepiride - <i>CYP2C9</i>
64	Tolbutamide - <i>CYP2C9</i>
65	Fluvoxamine - <i>CYP2C19</i>
66	Mirtazapine - <i>CYP2C19</i>
67	Sertraline - <i>CYP2D6</i>
68	Ticagrelor - <i>CYP2C19</i>
69	Moclobemide - <i>CYP2C19</i>
70	Citalopram/escitalopram - <i>CYP2D6</i>
71	Mirtazapine - <i>CYP2D6</i>
72	Fluvastatin - <i>SLCO1B1</i>
73	Acenocoumarol - <i>CYP2C9</i>
74	Phenprocoumon - <i>CYP2C9</i>
75	Gefitinib - <i>CYP2D6</i>
76	Risperidone - <i>CYP2D6</i>
77	Methotrexate - <i>MTHFR</i>
78	Clozapine - <i>CYP2D6</i>
79	Quetiapine - <i>CYP3A4</i>
80	Fluvoxamine - <i>CYP2D6</i>
81	Fluoxetine - <i>CYP2D6</i>
82	Carvedilol - <i>CYP2D6</i>
83	Amiodaron - <i>CYP2D6</i>
84	Clonidine - <i>CYP2D6</i>
85	Disopyramide - <i>CYP2D6</i>
86	Quinidine - <i>CYP2D6</i>

87	Methylphenidate - <i>CYP2D6</i>
88	Sotalol - <i>CYP2D6</i>
89	Clozapine - <i>CYP1A2</i>
90	Olanzapine - <i>CYP1A2</i>
91	Methylfenidaat - <i>COMT</i>
92	Esomeprazole - <i>CYP2C19</i>
93	Azathiopurine/mercaptopurine - <i>NUDT15</i>
94	Tioguanine - <i>NUDT15</i>
95	Lamotrigine – <i>HLA-B*15:02</i>
96	Phenytoin – <i>HLA-B*15:02</i>
97	Oxcarbazepine – <i>HLA-B*15:02</i>