

Supplementary Table 2: Drug hits from primary FDA screening.

Hit	QCL Sample Number	Compound ID	# Hit Dose Points
1	SN01006065	TRIPTOLIDE	3
2	SN01004975	TENIPOSIDE	3
3	SN01005284	PROSCILLARIDIN_A	3
4	SN01005428	PODOFILOX	3
5	SN00852776	PACLITAXEL	3
6	SN00846426	HARRINGTONINE	3
7	SN01004313	EMETINE_DIHYDROCHLORIDE	3
8	SN00852833	DOCETAXEL	3
9	SN01005867	CONVALLATOXIN	3
10	SN01004261	COLCHICINE	3
11	SN00852795	7-ETHYL-10-HYDROXYCAMPTOTHECIN	3
12	SN00852856	10-HYDROXYCAMPTOTHECIN	3
13	SN00844674	VINCRIStINE_SULFATE	2
14	SN01006021	VERATRINE_HYDROCHLORIDE	2
15	SN01004936	TOPOTECAN_HYDROCHLORIDE	2
16	SN00844679	TOPOTECAN_HCL	2
17	SN01006261	PODOPHYLLIN_ACETATE	2
18	SN01006517	PATULIN	2
19	SN01005684	OUABAIN_OCTAHYDRATE	2
20	SN01005436	NOCODAZOLE	2
21	SN01004872	MITOXANTRONE_HYDROCHLORIDE	2
22	SN00852733	MITOXANTHRONE_HCL	2
23	SN01004680	LANATOSIDE_C	2
24	SN00838677	IRINOTECAN_HCL_(TRIHYDRATE)	2
25	SN00852772	DOXORUBICIN_HCL	2
26	SN01004295	DIGOXIN	2
27	SN01004294	DIGITOXIN	2
28	SN00852835	DASATINIB	2
29	SN01005375	DACTINOMYCIN	2
30	SN01004272	CYTARABINE	2
31	SN00838624	CERIVASTATIN_NA	2
32	SN00838664	CERIVASTATIN_LACTONE	2
33	SN01005979	CAMPTOTHECIN	2
34	SN00838731	ATROSCINE_HBR	2
35	SN01004861	AMSACRINE	2
36	SN01005834	4-DEMETHYLEPICROPODOPHYLLOTOXIN	2
37	SN00852845	VORINOSTAT	1
38	SN00844643	VINORELBINE_BITATRATE	1
39	SN00844658	VINBLASTINE_SULFATE	1
40	SN01005668	TIOGUANINE	1
41	SN01004535	THIMEROSAL	1
42	SN01006263	TANSHINONE_IIA	1
43	SN01004875	SULFANILATE_ZINC	1

44	SN01005894	STROPHANTHIDINIC_ACID_LACTONE_ACETATE	1
45	SN01006189	STROPHANTHIDIN_ACETATE	1
46	SN01006499	STROPHANTHIDIN	1
47	SN01005689	SECURININE	1
48	SN01006250	SAPPANONE_A_DIMETHYL_ETHER	1
49	SN01004179	SANGUINARIUM_CHLORIDE	1
50	SN00846304	RUBITECAN	1
51	SN01006342	ROTENONE	1
52	SN01004994	RIVAROXABAN	1
53	SN01004304	PYRITHIONE_ZINC	1
54	SN01004633	PUROMYCIN_DIHYDROCHLORIDE	1
55	SN01004478	PRIMAQUINE_PHOSPHATE	1
56	SN01004946	PIROCTONE_OLAMINE	1
57	SN01006529	PICROPODOPHYLLIN	1
58	SN01004576	PHENYLMERCURIC_ACETATE	1
59	SN01005833	PARTHENOLIDE	1
60	SN00846327	OXYMETHOLONE	1
61	SN01004881	OXIBENDAZOLE	1
62	SN01004866	NICLOSAMIDE	1
63	SN01004701	NARASIN	1
64	SN01004586	MYCOPHENOLIC_ACID	1
65	SN01004180	MITOMYCIN	1
66	SN01005160	METHYLENE_BLUE	1
67	SN01006275	METHYL_GAMBOGATE	1
68	SN01005253	MELENGESTROL_ACETATE	1
69	SN00852728	MEBENDAZOLE	1
70	SN01004855	LASALOCID_SODIUM	1
71	SN01005276	IRINOTECAN_HYDROCHLORIDE	1
72	SN01004348	GRAMICIDIN_(GRAMICIDIN_A_SHOWN)	1
73	SN01005838	GITOXIGENIN_DIACETATE	1
74	SN01004346	GENTIAN_VIOLET	1
75	SN01005060	FLUVASTATIN_SODIUM	1
76	SN01005050	FLUBENDAZOLE	1
77	SN01004812	FLOXURIDINE	1
78	SN01004629	FENBENDAZOLE	1
79	SN00838640	ETOPOSIDE	1
80	SN01006195	ERGOSTEROL	1
81	SN00844672	EPIRUBICIN_HCL	1
82	SN01006396	DIHYDROCELASTRYL_DIACETATE	1
83	SN01006235	DEOXSAPPANONE_B_7,4-DIMETHYL_ETHER	1
84	SN01004276	DAUNORUBICIN_HYDROCHLORIDE	1
85	SN00852681	DAUNORUBICIN_HCL	1
86	SN01004714	CYCLOHEXIMIDE	1
87	SN00838670	CLOFARABINE	1

88	SN00846345	CICLOPIROX_OLAMINE	1
89	SN01006524	CHLOROTHALONIL	1
90	SN01005579	CETRIMONIUM_BROMIDE	1
91	SN01006361	CELASTROL	1
92	SN01006089	CEDRELONE	1
93	SN01005538	BRONOPOL	1
94	SN01004904	BLEOMYCIN_(BLEOMYCIN_B2_SHOWN)	1
95	SN01004713	AZACITIDINE	1
96	SN01005282	ATRACURIUM_BESYLATE	1
97	SN01005292	ARSENIC_TRIOXIDE_DIETHANOLAMINE_SALT	1
98	SN01005978	ANTIMYCIN_A_(A1_SHOWN)	1
99	SN01005941	ANTHOTHECOL	1
100	SN01004953	ALBENDAZOLE	1
101	SN00852805	ADRIAMYCIN_HCL	1
102	SN01005432	ACRIFLAVINIUM_HYDROCHLORIDE	1
103	SN01006251	7-DESACETOXY-6,7-DEHYDROGEDUNIN	1

Primary screening identified 103 compounds in which normalized cell counts were <50% from control (DMSO) at a minimum of one dose point (0.05, 0.5, 5 μ M) in all four cell lines (AOC518.5 Clone D, E, 9 and 18B). Viability determined through DAPI staining following 72 h of treatment.