

Supplementary Table 1 | Top 100 FDA-approved drugs identified by a bioinformatics drug-repositioning approach.

name	average_score	average (p_value)	average (q_value)
dexverapamil	-0.58685731	<1.00E-6	<1.00E-6
5109870	-0.563708646	<1.00E-6	<1.00E-6
MS-275	-0.562830202	<1.00E-6	<1.00E-6
fisetin	-0.55714395	<1.00E-6	<1.00E-6
celastrol	-0.550486901	<1.00E-6	<1.00E-6
DL-thiorphan	-0.548556783	<1.00E-6	<1.00E-6
GW-8510	-0.548163237	<1.00E-6	<1.00E-6
menadione	-0.544402549	<1.00E-6	<1.00E-6
alsterpaullone	-0.537165639	<1.00E-6	<1.00E-6
camptothecin	-0.532230869	<1.00E-6	<1.00E-6
doxorubicin	-0.525977537	<1.00E-6	<1.00E-6
trifluridine	-0.512970553	<1.00E-6	<1.00E-6
tyrphostin AG-825	-0.507905359	<1.00E-6	<1.00E-6
phenoxybenzamine	-0.505701052	<1.00E-6	<1.00E-6
0175029-0000	-0.501597715	<1.00E-6	<1.00E-6
thioguanosine	-0.499539557	<1.00E-6	<1.00E-6
0297417-0002B	-0.496859399	<1.00E-6	<1.00E-6
spiperone	-0.49504838	<1.00E-6	<1.00E-6
apigenin	-0.488593524	<1.00E-6	<1.00E-6
H-7	-0.483719412	<1.00E-6	<1.00E-6
methacholine chloride	-0.480147679	<1.00E-6	<1.00E-6
azacitidine	-0.480091515	<1.00E-6	<1.00E-6
milrinone	-0.47848454	<1.00E-6	<1.00E-6
irinotecan	-0.477529925	<1.00E-6	<1.00E-6
trazodone	-0.473433798	<1.00E-6	<1.00E-6
N-acetyl-L-leucine	-0.468534396	<1.00E-6	<1.00E-6
MG-262	-0.467145553	<1.00E-6	<1.00E-6
trioxysalen	-0.465587897	<1.00E-6	<1.00E-6
rimexolone	-0.464860278	<1.00E-6	<1.00E-6
monobenzone	-0.463978919	<1.00E-6	<1.00E-6
quinostatin	-0.460897534	<1.00E-6	<1.00E-6
tranylcypromine	-0.459539839	<1.00E-6	<1.00E-6
daunorubicin	-0.455659657	<1.00E-6	<1.00E-6
5286656	-0.450460489	<1.00E-6	<1.00E-6
imipramine	-0.449778317	<1.00E-6	<1.00E-6
3-aminobenzamide	-0.443897068	<1.00E-6	<1.00E-6
clomipramine	-0.441855744	<1.00E-6	<1.00E-6
1,4-chrysenequinone	-0.440809626	<1.00E-6	<1.00E-6
sanguinarine	-0.417481903	<1.00E-6	<1.00E-6
exemestane	-0.417132074	<1.00E-6	<1.00E-6
repaglinide	-0.412826605	<1.00E-6	<1.00E-6
imipenem	-0.404825841	<1.00E-6	<1.00E-6
cantharidin	-0.399721302	<1.00E-6	<1.00E-6
triflusal	-0.399406963	<1.00E-6	<1.00E-6
pararosaniline	-0.390603335	<1.00E-6	<1.00E-6
5152487	-0.390492402	<1.00E-6	<1.00E-6
MG-132	-0.389287627	<1.00E-6	<1.00E-6
phthalylsulfathiazole	-0.442927127	2.00E-06	4.79E-06
meticrane	-0.436113424	2.00E-06	4.79E-06
estriol	-0.442368329	2.50E-06	5.99E-06

gliclazide	-0.436767189	2.50E-06	5.99E-06
promethazine	-0.436372959	2.50E-06	5.99E-06
sulconazole	-0.431600399	2.50E-06	5.99E-06
semustine	-0.402933065	2.50E-06	5.99E-06
mitoxantrone	-0.483429633	3.33E-06	7.98E-06
Prestwick-559	-0.440904438	3.33E-06	7.98E-06
antimycin A	-0.47260708	4.00E-06	9.01E-06
eucatropine	-0.418305974	5.00E-06	1.20E-05
pargyline	-0.405574181	5.00E-06	1.13E-05
etamsylate	-0.40478686	5.00E-06	1.13E-05
talampicillin	-0.451058186	7.50E-06	1.72E-05
medrysone	-0.482309651	8.33E-06	1.77E-05
luteolin	-0.435341141	1.00E-05	2.17E-05
Prestwick-1084	-0.42987771	1.00E-05	2.25E-05
thiostrepton	-0.434935936	1.25E-05	2.65E-05
procaine	-0.41577906	1.60E-05	3.42E-05
bepidil	-0.419246851	1.75E-05	3.75E-05
4,5-dianilinophthalimide	-0.445977737	2.00E-05	4.35E-05
tobramycin	-0.397019119	2.00E-05	4.38E-05
ronidazole	-0.391770951	2.33E-05	5.04E-05
ipratropium bromide	-0.456688744	2.67E-05	5.29E-05
5248896	-0.408340346	4.00E-05	7.93E-05
skimmianine	-0.404504975	4.00E-05	7.93E-05
anabasine	-0.401405389	4.67E-05	8.99E-05
imidurea	-0.40171475	7.33E-05	1.41E-04
etomidate	-0.407257433	9.00E-05	1.67E-04
roxarsone	-0.407162439	1.38E-04	2.46E-04
methazolamide	-0.414310806	1.78E-04	3.02E-04
PHA-00816795	-0.40622862	1.85E-04	3.29E-04
omeprazole	-0.410536548	2.25E-04	3.80E-04
liothyronine	-0.392278481	2.45E-04	4.17E-04
ifenprodil	-0.416664891	3.33E-04	5.66E-04
parthenolide	-0.414300742	3.33E-04	5.43E-04
pyrazinamide	-0.405285328	3.48E-04	5.76E-04
deftropine	-0.407780219	3.78E-04	6.12E-04
clemizole	-0.411678816	3.86E-04	6.19E-04
cortisone	-0.395238885	4.13E-04	6.81E-04
riboflavin	-0.44034217	5.20E-04	8.22E-04
piperidolate	-0.390810385	5.57E-04	9.37E-04
alfaxalone	-0.411471354	1.46E-03	2.22E-03
norcyclobenzaprine	-0.409828282	1.64E-03	2.43E-03
halcinonide	-0.38979023	1.65E-03	2.47E-03
chrysin	-0.435010559	1.92E-03	2.87E-03
propafenone	-0.390753021	2.00E-03	2.94E-03
puromycin	-0.390343991	2.27E-03	3.42E-03
sulfafurazole	-0.396092549	9.32E-03	1.31E-02
resveratrol	-0.45232584	1.11E-01	1.11E-01
pyrvinium	-0.392675747	1.67E-01	1.67E-01
8-azaguanine	-0.407540366	2.50E-01	2.50E-01
ellipticine	-0.393933909	2.50E-01	2.50E-01