Supplementary Table S1. Link prediction accuracy in the SARS-CoV-2 knowledge graph.

	AUROC	AUPRC
SARS-CoV-2 knowledge graph embedding	0.8132	0.8536
General embedding (17)	0.5695	0.6431
SARS-CoV-2 knowledge graph embedding + general embedding (proposed)	0.8121	0.8524

Supplementary Table S2. ATT score of 138 drugs that were in EHRs and initial 3,635 drugs.

Drug Name	Propensity score weighting									
	pvalue (ATT)	t-stats (ATT)	treatment coefficient (ATT)							
ACETAMINOPHEN	1.52E-24	10.2738974	0.25207263							
CEFTRIAXONE	2.28E-38	13.0506026	0.21025986							
AZITHROMYCIN	1.47E-38	13.0848348	0.18160471							
HEPARIN	0.49937998	0.67550956	0.02587599							
ATORVASTATIN	0.00650385	2.72225646	0.17							
ALBUTEROL	2.94E-08	5.55278765	0.14218626							
ASPIRIN	0.02040798	2.3194218	0.13577879							
LISINOPRIL	0.01856643	2.35481156	0.08691948							
METOPROLOL	0.33616909	-0.9618448	-0.0304113							
HYDROXYCHLOROQUINE	0.00145871	3.18435704	0.07652113							
GLUCAGON	9.86E-06	4.42425963	0.07651207							
METHYLPREDNISOLONE	0.32935996	-0.9754889	-0.0576644							
AMLODIPINE	0.08001674	1.75090671	0.13155142							
NALOXONE	0.02934147	2.17942738	0.07071353							
MELATONIN	0.33434018	0.96549192	0.03443055							
VANCOMYCIN	0.00716502	-2.6900641	-0.0792951							
FUROSEMIDE	0.01608931	-2.4076136	-0.0872555							
CLOPIDOGREL	0.01611531	-2.4070233	-0.1028589							
ASCORBIC ACID	0.48643081	-0.696043	-0.0322171							
DOXYCYCLINE	0.81055864	0.23971674	0.00682517							
LIDOCAINE	0.55576054	-0.5891856	-0.019582							
HYDRALAZINE	0.88880536	-0.1398224	-0.0070413							
FAMOTIDINE	0.00734453	-2.6817855	-0.1079076							
LIDOCAINE	0.07692957	-1.7691123	-0.0624069							
AMIODARONE	0.02153417	-2.2991305	-0.1086655							
METOPROLOL	0.17138449	1.36794405	0.04936244							
CHOLECALCIFEROL	0.10593916	-1.616979	-0.0543447							
IOHEXOL	0.72538086	-0.3512942	-0.014653							
PREDNISONE	0.48818378	0.69324625	0.07798455							
CEFEPIME	0.00568527	-2.7664702	-0.1139592							
DEXAMETHASONE	0.0338526	-2.1223445	-0.1244167							
ATROPINE	0.02212069	-2.2889265	-0.1303156							
DIPHENHYDRAMINE	0.64771518	-0.4569633	-0.0291316							
NITROGLYCERIN	0.04374195	-2.0170115	-0.1419787							
FINASTERIDE	0.01168076	-2.5224736	-0.144157							
LABETALOL	0.86450268	-0.1706531	-0.0113445							

LOSARTAN	0.81224008	0.23754839	0.01065086
HYDROCORTISONE	0.00010421	-3.883361	-0.1530126
CARVEDILOL	0.24598449	-1.1602795	-0.0551179
HYDROCHLOROTHIAZIDE	0.03735116	-2.0824009	-0.161645
OLANZAPINE	0.10617452	-1.6158896	-0.092137
METOCLOPRAMIDE	0.85496239	-0.182799	-0.0132935
LACTULOSE	0.36285386	-0.9100148	-0.0587638
DEXMEDETOMIDINE	7.05E-05	-3.9776907	-0.1694607
IOPAMIDOL	0.01013427	-2.572088	-0.173839
SERTRALINE	0.00581868	-2.7588881	-0.1776973
HALOPERIDOL	3.75E-07	-5.0871542	-0.1851163
PRAVASTATIN	0.03642423	-2.0926622	-0.1874756
FOLIC ACID	0.00038414	-3.5529034	-0.1900155
IBUPROFEN	0.00813824	-2.6472261	-0.1995362
LIDOCAINE	0.5169987	0.64801983	0.06157075
KETAMINE	0.0086921	-2.6248566	-0.2015791
TRAMADOL	0.63851705	0.46979882	0.02232213
METRONIDAZOLE	0.283333	-1.0729651	-0.0623913
LOPERAMIDE	0.75375249	-0.3137107	-0.0302894
SIMVASTATIN	0.3622305	-0.9111976	-0.0554117
MONTELUKAST	0.01230472	-2.5040952	-0.2107523
DONEPEZIL	0.00700435	-2.6976335	-0.212248
PHENYLEPHRINE	2.15E-08	-5.6079682	-0.2196067
FENTANYL	0.00893363	-2.6154986	-0.2201461
NYSTATIN	0.32781182	-0.9786164	-0.0510907
ALPRAZOLAM	0.00041075	-3.5352067	-0.2220222
WARFARIN	0.41192227	-0.8205769	-0.0467396
DIGOXIN	0.07103709	-1.8055836	-0.126615
REMDESIVIR	0.15411194	-1.4253495	-0.138926
DOBUTAMINE	0.01213208	-2.5090958	-0.2344604
BENZOCAINE	0.55839402	-0.5852637	-0.0653141
CETIRIZINE	0.04359487	-2.0184225	-0.2386508
ACETYLCYSTEINE	0.43246961	-0.7850293	-0.0519943
EPINEPHRINE	0.00759383	-2.670584	-0.240865
FENTANYL	8.13E-13	-7.1756851	-0.2492124
ACETAZOLAMIDE	1.86E-06	-4.7733488	-0.2617033
OMEPRAZOLE	0.07503783	-1.7805645	-0.1258121
BUDESONIDE	0.00197658	-3.0951894	-0.2667685
CLONAZEPAM	0.73848942	0.33387099	0.03418501
ARIPIPRAZOLE	0.03403606	-2.1201643	-0.2671175

DIAZEPAM	0.46286609	-0.7341861	-0.0588237
CLONIDINE	0.3939126	0.85260908	0.07337225
ADENOSINE	0.00628353	-2.7336401	-0.2767434
MORPHINE	3.17E-16	-8.1912788	-0.2768542
RIVAROXABAN	0.00296652	-2.9724904	-0.2769312
HEPARIN	0.54654473	-0.6029825	-0.0927038
LEVOFLOXACIN	1.11E-05	-4.3983949	-0.2910326
PROPOFOL	2.91E-16	-8.2020135	-0.2935477
NOREPINEPHRINE	2.89E-06	-4.6832344	-0.3247254
NIFEDIPINE	0.83811023	0.20432082	0.04712296
DEXTROMETHORPHAN	0.98456441	-0.0193477	-0.003308
METFORMIN	0.17324854	1.36201312	0.12826838
TORSEMIDE	0.21301729	-1.2454533	-0.1046479
SCOPOLAMINE	2.15E-06	-4.7434449	-0.3333922
ATENOLOL	0.00113185	-3.2572062	-0.3503093
MORPHINE	0.03087905	-2.1591735	-0.3537295
VANCOMYCIN	0.00964435	-2.5892168	-0.3567775
MEMANTINE	0.00121615	-3.236721	-0.3594972
FENOFIBRATE	0.04108996	-2.0430929	-0.369644
NICARDIPINE	0.52863581	-0.6301291	-0.0696733
ROPINIROLE	0.02902722	-2.1836789	-0.4452383
SUCRALFATE	0.64712573	-0.4577835	-0.075371
SPIRONOLACTONE	2.00E-05	-4.2682286	-0.4612046
HYDROXYCHLOROQUINE	0.00945421	-2.5960739	-0.4639617
GLUCAGON	0.01868063	-2.3525295	-0.4807472
HYDROCORTISONE	0.84177018	0.19963899	0.02369427
PROMETHAZINE	0.00011186	-3.8660631	-0.5801215
NICOTINE	0.09910498	-1.6494822	-0.2238539
FLUOXETINE	1.06E-06	-4.8853352	-0.6123011
VALSARTAN	0.15097006	-1.4363099	-0.1778135
HYDROXYZINE	0.63969501	-0.4681507	-0.090603
CIPROFLOXACIN	0.85665827	0.18063799	0.04088519
EZETIMIBE	7.27E-05	-3.9701899	-0.6325472
ARGATROBAN	0.32316911	-0.9880536	-0.1438822
BACLOFEN	3.15E-05	-4.166052	-0.6328379
CEFTRIAXONE	0.00040868	-3.5365442	-0.6675039
CITRIC ACID	0.21153297	-1.2495041	-0.1447582
VANCOMYCIN	2.04E-08	-5.6169419	-0.6738155
NITROGLYCERIN	0.70381577	-0.3801941	-0.0926956
PREGABALIN	2.75E-05	-4.196547	-0.6965285

METHYLPREDNISOLONE	0.94484106	-0.0691897	-0.0266676
OSELTAMIVIR	3.40E-05	-4.148281	-0.976161
DEXAMETHASONE	0.57765648	-0.5568437	-0.1242039
TACROLIMUS	2.29E-05	-4.2377794	-1.0332676
CALCITRIOL	9.04E-07	-4.9170129	-1.0514741
BARIUM	0.22893864	1.20322888	0.1784027
DOPAMINE	0.40608679	-0.8308624	-0.0840319
PHENOBARBITAL	2.85E-12	-7.0007173	-1.0735688
CLONIDINE	0.88588016	-0.1435257	-0.0265769
COLCHICINE	0.68956156	0.39947082	0.08690109
LANSOPRAZOLE	0.27627731	-1.0888264	-0.1837033
WARFARIN	0.4582038	-0.7418592	-0.2969037
PAROXETINE	0.39760705	-0.8459675	-0.1215711
PROPRANOLOL	0.06323556	-1.8579008	-0.3826055
VALPROIC ACID	0.83680638	-0.2059898	-0.0392783
HEPARIN	9.87E-08	-5.336122	-1.1812906
PHENOL	0.32108257	-0.9923236	-0.2197819
VERAPAMIL	0.98816939	0.01482867	0.00583047
AMITRIPTYLINE	0.94666174	0.06690246	0.02770827
FENTANYL	0.00028005	-3.6353914	-1.3469621
ALBUTEROL	0.00015378	-3.7874736	-1.6366453
TRIAMCINOLONE ACETONIDE	0.86991748	-0.1637708	-0.0429702

Supplementary Table S3. Full list of repurposable drugs Spike-

Drug	Initial rank	Initial rank within top 30	GSEA (1 if ES<0, p- value< 0.05)	ACE2 enzyma tic activity	ACE2 protein - protein interact ion (Alpha LISA)	SARS-CoV-2 cytopat hic effect (NCAT S)	SARS- CoV-2 cytopat hic effect (ReFR AME)	Positiv e efficac y in any in- vitro experi ments	EHR	Under_ trials	Prob
Azithro mycin Hydrox	20	1	1	-1	-1	1	0	1	1	1	0.9998
ychloro quine Atorva	23	1	0	0	0	0	0	0	1	1	0.9988
statin Acetam inophe	44	0	1	0	0	0	0	0	1	1	0.9979
n	75	0	0	1	-1	-1	0	1	1	1	0.9978
Aspirin Albuter	189	0	-1	-1	-1	-1	0	0	1	1	0.9899
ol Melato	270	0	0	0	0	0	0	0	1	0	0.9802
nin Sirolim	13	1	1	-1	-1	-1	0	0	-1	1	0.9786
us Nifedip	21	1	1	-1	-1	-1	0	0	0	1	0.9786
ine Ribavir	9	1	1	-1	-1	-1	0	0	-1	1	0.9786
in Chloro	22	1	0	-1	1	-1	0	1	0	1	0.9777
quine Lopina	15	1	0	-1	-1	1	1	1	0	1	0.9777
vir Teicopl	14	1	0	-1	-1	1	0	1	0	1	0.9777
anin Remde	0	1	0	1	-1	1	0	1	0	1	0.9777
sivir Iverme	7	1	0	-1	-1	1	1	1	-1	1	0.9777
ctin Amlodi	11	1	0	-1	-1	1	0	1	0	1	0.9777
pine Celeco	248	0	1	-1	-1	1	0	1	-1	1	0.9624
xib Isotreti	55	0	1	1	-1	1	0	1	0	1	0.9624
noin Chlorpr omazin	60	0	1	1	-1	-1	0	1	0	1	0.9624
e Itracon	182	0	1	-1	-1	1	0	1	0	1	0.9624
azole Progest	34	0	1	-1	-1	1	0	1	0	1	0.9624
erone Tenofo	32	0	1	-1	-1	1	0	1	0	1	0.9624
vir Mefloq	12	1	0	-1	-1	-1	0	0	0	1	0.9416
uine Ritona	1	1	0	0	0	0	0	0	0	1	0.9416
vir Hepari	4	1	0	-1	-1	-1	0	0	0	1	0.9416
n Cyclos	30	1	0	0	0	0	0	0	-1	1	0.9416
porine Etoposi	29	1	0	0	0	0	0	0	0	1	0.9416
de Losarta	25	1	0	-1	-1	-1	0	0	0	1	0.9416
n	19	1	0	-1	-1	-1	0	0	-1	1	0.9416

Toremi fene	2	1	1	0	0	0	0	0	0	0	0.9324
Cephar anthine	3	1	0	-1	-1	1	1	1	0	0	0.9324
Arbidol	5	1	0	-1 -1	-1 -1	1	0	1	0	0	0.9298
Valsart an	43	0	1	-1	-1	-1	0	0	-1	1	0.9038
Yohim bine	100	0	1	-1	-1	-1	0	0	0	1	0.9038
Clopid	246	0	1	0	0	0	0	0	-1	1	0.9038
ogrel Naltrex			1	0	0	0	0	0	0		0.9038
one Amoxi	136	0								1	
cillin Simvas	38	0	1	0	0	0	0	0	0	1	0.9038
tatin Leflun	95	0	1	-1	-1	-1	0	0	-1	1	0.9038
omide Thalido	156	0	1	-1	-1	-1	0	0	0	1	0.9038
mide Fluoxet	175	0	1	-1	-1	-1	0	0	0	1	0.9038
ine Dexam	103	0	1	0	0	0	0	0	-1	1	0.9038
ethason e	80	0	1	-1	-1	-1	0	0	-1	1	0.9038
Lenalid omide	267	0	1	-1	-1	-1	0	0	0	1	0.9038
Eicosa pentaen											
oic Acid	125	0	0	1	-1	-1	0	1	0	1	0.9003
Melpha lan	127	0	0	1	-1	-1	0	1	0	1	0.9003
Famoti dine	173	0	0	1	-1	-1	0	1	-1	1	0.9003
Omepr azole	91	0	0	1	-1	-1	0	1	-1	1	0.9003
Trimet hoprim	112	0	0	1	-1	-1	0	1	0	1	0.9003
Dexme detomi	112	v	Ü	•	1	•	v	•	Ü	1	0.5005
dine Clozapi	285	0	0	1	-1	-1	0	1	-1	1	0.9003
ne Tamiba	62	0	1	1	-1	1	0	1	0	0	0.8853
rotene	114	0	1	-1	-1	-1	1	1	0	0	0.8853
Tamoxi fen	81	0	1	-1	-1	1	0	1	0	0	0.8853
Clonidi ne	275	0	1	1	-1	-1	0	1	-1	0	0.8853
Troglit azone	83	0	1	1	-1	1	0	1	0	0	0.8853
Ranitid ine	162	0	1	1	-1	-1	0	1	0	0	0.8853
Fenofib rate	281	0	1	1	-1	-1	0	1	-1	0	0.8853
Tretino in	56	0	1	0	0	0	1	1	0	0	0.8853
Amphe tamine	28	1	0	0	0	0	0	0	0	0	0.8295
Genta micins	27	1	0	0	0	0	0	0	0	0	0.8295
Doxoru bicin	26	1	0	-1	-1	-1	0	0	0	0	0.8295
Valproi c Acid	24	1	0	0	0	0	0	0	-1	0	0.8295
Betulin ic Acid	18	1	0	-1	-1	-1	0	0	0	0	0.8295

D .:											
Dactin omycin Antivir	17	1	0	0	0	0	0	0	0	0	0.8295
al Agents Emodi	16	1	0	0	0	0	0	0	0	0	0.8295
n Immuci	10	1	0	0	0	0	0	0	0	0	0.8295
llin A (2- Tert- Butoxy -1-(2- Cycloh exyl-1- (1- Formyl -2-(2- Oxopyr rolidin- 3- Yl)Eth	8	1	0	0	0	0	0	0	0	0	0.8295
ylcarba moyl)E thylcar bamoyl)Propyl)Carba mic Acid Benzyl											
Ester Tacroli	6	1	0	0	0	0	0	0	0	0	0.8295
mus Querce	36	0	0	0	0	0	0	0	-1	1	0.7683
tin Hydroc ortison	92	0	0	-1	-1	-1	0	0	0	1	0.7683
e Methot	98	0	0	-1	-1	-1	0	0	-1	1	0.7683
rexate Naprox	84	0	0	-1	-1	-1	0	0	0	1	0.7683
en Folic	120	0	0	0	0	0	0	0	0	1	0.7683
Acid Nitric	82	0	0	-1	-1	-1	0	0	-1	1	0.7683
Oxide Candes	115	0	0	0	0	0	0	0	0	1	0.7683
artan	48	0	0	-1	-1	-1	0	0	0	1	0.7683
Iloprost Spiron olacton	274	0	0	-1	-1	-1	0	0	0	1	0.7683
e Doxyc	53	0	0	-1	-1	-1	0	0	-1	1	0.7683
ycline Isoflura	222	0	0	-1	-1	-1	0	0	-1	1	0.7683
ne Oxyge	219	0	0	-1	-1	-1	0	0	0	1	0.7683
n Vitami	45	0	0	0	0	0	0	0	0	1	0.7683
n A	264	0	0	0	0	0	0	0	0	1	0.7683
Metfor min	263	0	0	-1	-1	-1	0	0	-1	1	0.7683
Bicalut amide	201	0	0	-1	-1	-1	0	0	0	1	0.7683
Oselta mivir Prednis	203	0	0	0	0	0	0	0	-1	1	0.7683
olone	210	0	0	-1	-1	-1	0	0	0	1	0.7683

Estradi											
ol	57	0	0	-1	-1	-1	0	0	0	1	0.7683
Propof ol	214	0	0	-1	-1	-1	0	0	-1	1	0.7683
Amiod arone	218	0	0	0	0	0	0	0	-1	1	0.7683
Ibuprof en	191	0	0	0	0	0	0	0	-1	1	0.7683
Alitreti noin Temoz	130	0	1	0	0	0	0	0	0	0	0.7392
olomid	240	0	1	-1	-1	-1	0	0	0	0	0.7392
e Bosent				-1 -1				0	0		
an Bezafib	277	0	1		-1	-1	0			0	0.7392
rate Riluzol	245	0	1	-1	-1	-1	0	0	0	0	0.7392
e Sumatr	236	0	1	-1	-1	-1	0	0	0	0	0.7392
iptan Levofl	110	0	1	-1	-1	-1	0	0	0	0	0.7392
oxacin Naring	283	0	1	-1	-1	-1	0	0	-1	0	0.7392
enin Propra	284	0	1	0	0	0	0	0	0	0	0.7392
nolol Triproli	137	0	1	0	0	0	0	0	-1	0	0.7392
dine Gemfib	149	0	1	-1	-1	-1	0	0	0	0	0.7392
rozil Theoph	225	0	1	-1	-1	-1	0	0	0	0	0.7392
ylline	154	0	1	0	0	0	0	0	0	0	0.7392
Montel ukast Propylt	170	0	1	0	0	0	0	0	-1	0	0.7392
hiourac il	172	0	1	-1	-1	-1	0	0	0	0	0.7392
4- Methyl											
-N1-(3- Phenyl											
propyl) Benzen											
e-1,2-											
Diamin e	205	0	1	0	0	0	0	0	0	0	0.7392
Mercap	200	v	•	v	v	v	v		· ·	v	0.7572
topurin e	194	0	1	-1	-1	-1	0	0	0	0	0.7392
Glyburi de	299	0	1	0	0	0	0	0	0	0	0.7392
Carba mazepi											
ne Medro	297	0	1	-1	-1	-1	0	0	0	0	0.7392
xyprog esteron											
e Acetate	178	0	1	-1	-1	-1	0	0	0	0	0.7392
Epirubi cin	150	0	1	0	0	0	0	0	0	0	0.7392
Flutami de	89	0	1	-1	-1	-1	0	0	0	0	0.7392
Irbesart an	79	0	1	-1	-1	-1	0	0	0	0	0.7392
Ampici llin	54	0	1	0	0	0	0	0	0	0	0.7392
Betame thasone	69	0	1	0	0	0	0	0	0	0	0.7392
masone	0,7	U	1	U	U	U	U	U	U	U	0.1374

Mycop henolic Acid Raloxif ene	153	0	0	-1	1	1	0	1	0	0	0.7314	
Hydroc hloride	94	0	0	-1	-1	1	0	1	0	0	0.7314	
Dacarb azine Fluoro	250	0	0	1	-1	-1	0	1	0	0	0.7314	
uracil Promet	51	0	0	-1	1	-1	0	1	0	0	0.7314	
hazine Efavire	273	0	0	-1	-1	1	0	1	-1	0	0.7314	
nz Mifepri	143	0	0	-1	-1	1	0	1	0	0	0.7314	
stone Pomali	58	0	0	-1	-1	1	0	1	0	0	0.7314	
domide Rosigli	234	0	0	-1	1	-1	0	1	0	0	0.7314	
tazone Olmesa	122	0	0	-1	-1	1	0	1	0	0	0.7314	
rtan Medox omil Acetaz	42	0	0	1	-1	-1	0	1	0	0	0.7314	
olamid e	78	0	0	-1	1	-1	0	1	-1	0	0.7314	
Zidovu dine	164	0	0	1	-1	-1	0	1	0	0	0.7314	
Cilosta zol Mefena	294	0	0	-1	1	-1	0	1	0	0	0.7314	
mic Acid	295	0	0	1	-1	-1	0	1	0	0	0.7314	
Ospemi fene	113	0	0	-1	-1	1	0	1	0	0	0.7314	
Gemcit abine	146	0	0	1	-1	-1	0	1	0	0	0.7314	
Terbina fine	111	0	0	1	-1	-1	0	1	0	0	0.7314	
Benaze pril Dipyrid	31	0	0	-1	-1	1	0	1	0	0	0.7314	
amole Indome	258	0	-1	-1	-1	-1	0	0	0	1	0.665	
thacin Telmis	141	0	-1	-1	-1	-1	0	0	0	1	0.665	
artan Disulfir	65	0	-1	-1	-1	-1	0	0	0	1	0.665	
am Cyclop	90	0	-1	-1	-1	1	0	1	0	0	0.6198	
hospha mide Triclos	73	0	-1	1	-1	-1	0	1	0	0	0.6198	
an Ketoco	61	0	-1	1	-1	-1	0	1	0	0	0.6198	
nazole Diethyl stilbest	133	0	-1	1	-1	-1	0	1	0	0	0.6198	
rol Albend	40	0	-1	-1	-1	1	0	1	0	0	0.6198	
azole Mannit	123	0	-1	1	-1	-1	0	1	0	0	0.6198	
ol Chloro	241	0	0	0	0	0	0	0	0	0	0.5	
quine Diphos phate	59	0	0	0	0	0	0	0	0	0	0.5	

Isoflur	2.12	0	0	0	0	0	0	0	0	0	0.5
ophate Acetam	242	0	0	0	0	0	0	0	0	0	0.5
ide Digoxi	238	0	0	0	0	0	0	0	0	0	0.5
n Allerge	239	0	0	-1	-1	-1	0	0	-1	0	0.5
ns Azathi	244	0	0	0	0	0	0	0	0	0	0.5
oprine Pioglita	247	0	0	-1	-1	-1	0	0	0	0	0.5
zone Ampho tericin	52	0	0	0	0	0	0	0	0	0	0.5
B Colfors	243	0	0	-1	-1	-1	0	0	0	0	0.5
in Asparta	204	0	0	0	0	0	0	0	0	0	0.5
me Neomy	237	0	0	0	0	0	0	0	0	0	0.5
cin Nitrogl	235	0	0	0	0	0	0	0	0	0	0.5
ycerin Sunitin	213	0	0	0	0	0	0	0	-1	0	0.5
ib Active Hexose	67	0	0	0	0	0	0	0	0	0	0.5
Correla ted Compo											
und Amlex	216	0	0	0	0	0	0	0	0	0	0.5
anox Atrazin	217 66	0	0	-1 0	-1 0	-1 0	0	0	0	0	0.5
e Olmesa											
rtan Penicill	64	0	0	-1	-1	-1	0	0	0	0	0.5
amine Ammo	223	0	0	0	0	0	0	0	0	0	0.5
nia Bisphe	224	0	0	0	0	0	0	0	0	0	0.5
nol A Codein	63	0	0	0	0	0	0	0	0	0	0.5
e Epinep	226	0	0	0	0	0	0	0	0	0	0.5
hrine Zoledr onic	227	0	0	-1	-1	-1	0	0	-1	0	0.5
Acid Flutica	228	0	0	0	0	0	0	0	0	0	0.5
sone Phenfo	229	0	0	0	0	0	0	0	0	0	0.5
rmin	230	0	0	0	0	0	0	0	0	0	0.5
Water	231	0	0	0	0	0	0	0	0	0	0.5
Cobalt Zileuto	232	0	0	0	0	0	0	0	0	0	0.5
n Norepi nephrin	233	0	0	-1	-1	-1	0	0	0	0	0.5
e Moxifl	249	0	0	0	0	0	0	0	-1	0	0.5
oxacin Carniti	260	0	0	0	0	0	0	0	0	0	0.5
ne Rifaxi min	251 252	0	0	0 -1	0 -1	0 -1	0	0	0	0	0.5
mın Silver	41	0	0	0	-1	0	0	0	0	0	0.5
	-	*	-	-	-	-	-	-	-	-	

e	Sodium											
Vitami n R X 3 280 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Chlorid											
n K 3	e Vitami	278	0	0	0	0	0	0	0	0	0	0.5
Furna	n K 3	280	0	0	0	0	0	0	0	0	0	0.5
Gadodi Bleom		282	0	0	0	0	0	0	0	0	0	0.5
maide	Furan Gadadi	39	0	0	0	0	0	0	0	0	0	0.5
yein 35 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	amide	37	0	0	0	0	0	0	0	0	0	0.5
crol 286 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ycin Alpha-	35	0	0	0	0	0	0	0	0	0	0.5
atin 287 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	erol	286	0	0	0	0	0	0	0	0	0	0.5
mide	atin	287	0	0	0	0	0	0	0	0	0	0.5
te	mide Formot erol	288	0	0	0	0	0	0	0	0	0	0.5
Acid 291 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	te Ursode oxycho	290	0	0	0	0	0	0	0	0	0	0.5
New York New York	Acid Mechlo	291	0	0	0	0	0	0	0	0	0	0.5
onate 293 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ne	292	0	0	0	0	0	0	0	0	0	0.5
in V	onate	293	0	0	0	0	0	0	0	0	0	0.5
ol 33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	in V Ethinyl	296	0	0	0	0	0	0	0	0	0	0.5
mazole Gliclaz 298 0 0 -1 -1 -1 0 0 0 0 0.5 6 6 0 0 -1 -1 -1 0 <td>ol</td> <td>33</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0.5</td>	ol	33	0	0	0	0	0	0	0	0	0	0.5
ide 276 0 0 0 -1 -1 -1 0 0 0 0 0 0.5 Ascorb ic Acid 46 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Varden afil Dihydr ochlori de 272 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Vinblas tine 261 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Vitami n E 253 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Hesper etin 254 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Zomepi rac 255 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Tigecy cline 256 0 0 0 -1 -1 -1 -1 0 0 0 0 0 0.5 Sesamo I 257 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Alendr onate 259 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Floxaci Ilin 211 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Apigen in 262 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5	mazole	298	0	0	-1	-1	-1	0	0	0	0	0.5
ie Acid	ide	276	0	0	-1	-1	-1	0	0	0	0	0.5
de 272 0	ic Acid Varden afil Dihydr	46	0	0	0	0	0	0	0	-1	0	0.5
tine 261 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	de	272	0	0	0	0	0	0	0	0	0	0.5
n E 253 0 <td>tine</td> <td>261</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0.5</td>	tine	261	0	0	0	0	0	0	0	0	0	0.5
etin 254 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Zomepi rac 255 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Tigecy cline 256 0 0 -1 -1 -1 -1 0 0 0 0 0 0.5 Sesamo 1 257 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Alendr onate 259 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Floxaci Ilin 211 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Apigen in 262 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Phenob	n E	253	0	0	0	0	0	0	0	0	0	0.5
rac 255 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Tigecy cline 256 0 0 0 -1 -1 -1 -1 0 0 0 0 0 0.5 Sesamo 1 257 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Alendr onate 259 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Floxaci llin 211 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Apigen in 262 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Phenob	etin	254	0	0	0	0	0	0	0	0	0	0.5
cline 256 0 0 -1 -1 -1 0 0 0 0 0 0.5 Sesamo 1 257 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Alendr onate 259 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Floxaci Ilin 211 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Apigen in 262 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Phenob	rac	255	0	0	0	0	0	0	0	0	0	0.5
1 257 0	cline	256	0	0	-1	-1	-1	0	0	0	0	0.5
onate 259 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Floxaci llin 211 0 0 0 0 0 0 0 0 0 0 0 0.5 Apigen in 262 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Phenob	1	257	0	0	0	0	0	0	0	0	0	0.5
llin 211 0 0 0 0 0 0 0 0 0 0 0.5 Apigen in 262 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Phenob	onate	259	0	0	0	0	0	0	0	0	0	0.5
in 262 0 0 0 0 0 0 0 0 0 0 0.5 Phenob	llin	211	0	0	0	0	0	0	0	0	0	0.5
arbital 271 0 0 0 0 0 0 0 -1 0 0.5	in	262	0	0	0	0	0	0	0	0	0	0.5
	arbital	271	0	0	0	0	0	0	0	-1	0	0.5

holic Suffigy Friday Surfige S	Ethanol Tauroc	50	0	0	0	0	0	0	0	0	0	0.5	
ridine 266 0 0 0 -1 -1 -1 -1 0 0 0 0 0 0 0.5 Dapson e 49 0 0 0 -1 -1 -1 -1 0 0 0 0 0 0 0.5 Dapson e 49 0 0 0 -1 -1 -1 -1 0 0 0 0 0 0 0.5 Salmet erol Ximafo are 268 0 0 -1 -1 -1 -1 0 0 0 0 0 0 0.5 Arsonic 269 0 0 -1 -1 -1 -1 0 0 0 0 0 0 0.5 Arsonic 269 0 0 -1 -1 -1 -1 0 0 0 0 0 0 0.5 Arsonic 269 0 0 0 -1 -1 -1 -1 0 0 0 0 0 0 0.5 Arsonic 260 0 0 0 -1 -1 -1 -1 0 0 0 0 0 0 0 0.5 Cimei 300 0 0 0 -1 -1 -1 -1 0 0 0 0 0 0 0 0.5 Cimei 300 0 0 0 -1 -1 -1 -1 0 0 0 0 0 0 0 0.5 Cimei 300 0 0 0 -1 -1 -1 -1 0 0 0 0 0 0 0 0.5 Cimei 40 0 0 0 0 -1 -1 -1 -1 0 0 0 0 0 0 0 0.5 Cimei 130 0 0 -1 -1 -1 -1 0 0 0 0 0 0 0 0.5 Cimei 130 0 0 0 -1 -1 -1 -1 0 0 0 0 0 0 0 0 0.5 Chlorin 130 0 0 -1 -1 -1 -1 0 0 0 0 0 0 0 0 0.5 Chlorin 150 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Chlorin 170 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Chlorin 180 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Chlorin 190 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Chlorin 190 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Chlorin 190 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		265	0	0	0	0	0	0	0	0	0	0.5	
e	ridine	266	0	0	-1	-1	-1	0	0	0	0	0.5	
erol Ximafo ale 268 0 0 0 -1 -1 -1 -1 0 0 0 0 0 0.5 resver series	e	49	0	0	-1	-1	-1	0	0	0	0	0.5	
Section Sect	erol												
atrol 269 0 0 -1 -1 -1 0 0 0 0 5.5 Artsenic Trioxid - - - - 0 <td>ate</td> <td>268</td> <td>0</td> <td>0</td> <td>-1</td> <td>-1</td> <td>-1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0.5</td> <td></td>	ate	268	0	0	-1	-1	-1	0	0	0	0	0.5	
Carmus	atrol Arsenic	269	0	0	-1	-1	-1	0	0	0	0	0.5	
time 212 0 0 -1 -1 -1 0 0 0 0.5 Cimetic 300 0 0 -1 -1 -1 0	e	47	0	0	0	0	0	0	0	0	0	0.5	
dine	tine	212	0	0	-1	-1	-1	0	0	0	0	0.5	
Ciproff Cipr	dine	300	0	0	-1	-1	-1	0	0	0	0	0.5	
Oxacin 151	e	68	0	0	0	0	0	0	0	0	0	0.5	
Rant	oxacin	151	0	0	-1	-1	-1	0	0	-1	0	0.5	
Color 140	rant	139	0	0	-1	-1	-1	0	0	0	0	0.5	
Mesyla	e	140	0	0	0	0	0	0	0	0	0	0.5	
te 142 0 0 0 0 0 0 0 0 0	b												
Nentho	te	142	0	0	0	0	0	0	0	0	0	0.5	
Mentho 145		144	0	0	0	0	0	0	0	0	0	0.5	
Name	Mentho												
Phenyt oin		147	0	0	-1	-1	-1	0	0	0	0	0.5	
Perindo pril 93 0 0 0 -1 -1 -1 -1 0 0 0 0 0 0 0.5 Trovafi		148	0	0	0	0	0		0	0		0.5	
Trovafl oxacin 152 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Succime er 96 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Topote can 155 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Beclome ethason ethason ethason er 200 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Perindo												
Succim er	Trovafl												
Topote can 155 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Beclom ethason e 88 0 0 0 -1 -1 -1 -1 0 0 0 0 0 0.5 Lansop razole 157 0 0 0 0 0 0 0 0 0 -1 0 0 0.5 Estroge ns 158 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Dextro amphet amine 159 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Arsenit e 160 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Dronab inol 161 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Pentam idine 87 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Mitom yein 138 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Tetrach	Succim												
Beclom ethason e 88 0 0 0 -1 -1 -1 0 0 0 0 0 0.5 Lansop razole 157 0 0 0 0 0 0 0 0 0 0 0 0.5 Estroge ns 158 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Dextro amphet amine 159 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Arsenit e 160 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Dronab inol 161 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Pentam idine 87 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Mitom yein 138 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Tetrach													
e 88 0 0 -1 -1 -1 0 0 0 0.5 Lansop razole 157 0 0 0 0 0 0 -1 0 0.5 Estroge ns 158 0	Beclom	155	0	0	0	0	0	0	0	0	0	0.5	
razole 157 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Estroge ns 158 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Dextro amphet amine 159 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Arsenit e 160 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Dronab inol 161 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Pentam idine 87 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Mitom ycin 138 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Tetrach	e	88	0	0	-1	-1	-1	0	0	0	0	0.5	
ns 158 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Dextro amphet amine 159 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Arsenit e 160 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Dronab inol 161 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Pentam idine 87 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Mitom ycin 138 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Tetrach	razole	157	0	0	0	0	0	0	0	-1	0	0.5	
amphet amine 159 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Arsenit e 160 0 0 0 0 0 0 0 0 0 0 0 0.5 Dronab inol 161 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Pentam idine 87 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Mitom ycin 138 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Tetrach	ns	158	0	0	0	0	0	0	0	0	0	0.5	
Arsenit e 160 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Dronab inol 161 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Pentam idine 87 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Mitom yein 138 0 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Tetrach	amphet												
Dronab inol 161 0 <td></td> <td>159</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0.5</td> <td></td>		159	0	0	0	0	0	0	0	0	0	0.5	
inol 161 0 0 0 0 0 0 0 0 0 0 0 0.5 Pentam idine 87 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Mitom ycin 138 0 0 0 0 0 0 0 0 0 0 0 0 0.5 Tetrach		160	0	0	0	0	0	0	0	0	0	0.5	
idine 87 0 0 0 0 0 0 0 0 0 0 0.5 Mitom ycin 138 0 0 0 0 0 0 0 0 0 0 0 0.5 Tetrach	inol	161	0	0	0	0	0	0	0	0	0	0.5	
ycin 138 0 0 0 0 0 0 0 0 0 0 0.5 Tetrach	idine	87	0	0	0	0	0	0	0	0	0	0.5	
	ycin	138	0	0	0	0	0	0	0	0	0	0.5	
		135	0	0	0	0	0	0	0	0	0	0.5	

enzodi oxin Dextro											
methor phan	165	0	0	0	0	0	0	0	-1	0	0.5
Dust Ethamb	121	0	0	0	0	0	0	0	0	0	0.5
utol Levono	106	0	0	0	0	0	0	0	0	0	0.5
rgestrel Cerivas	105	0	0	0	0	0	0	0	0	0	0.5
tatin Cisplati	104	0	0	0	0	0	0	0	0	0	0.5
n Nelfina	116	0	0	0	0	0	0	0	0	0	0.5
vir Diclofe	117	0	0	0	0	0	0	0	0	0	0.5
nac Methad	118	0	0	0	0	0	0	0	0	0	0.5
one Pyridos tigmine Bromid	119	0	0	0	0	0	0	0	0	0	0.5
e Meloxi	102	0	0	-1	-1	-1	0	0	0	0	0.5
cam Rofeco	124	0	0	0	0	0	0	0	0	0	0.5
xib Metopr	134	0	0	-1	-1	-1	0	0	0	0	0.5
olol Pravast	101	0	0	0	0	0	0	0	-1	0	0.5
atin Vanco	126	0	0	0	0	0	0	0	-1	0	0.5
mycin Vincris	99	0	0	0	0	0	0	0	-1	0	0.5
tine Nicotin	128	0	0	0	0	0	0	0	0	0	0.5
e Methox	129	0	0	0	0	0	0	0	-1	0	0.5
ychlor Nitroge	97	0	0	0	0	0	0	0	0	0	0.5
n Dihydr otestost	131	0	0	0	0	0	0	0	0	0	0.5
erone Diphen hydram	132	0	0	0	0	0	0	0	0	0	0.5
ine Valdec	209	0	0	0	0	0	0	0	-1	0	0.5
oxib Daunor	163	0	0	-1	-1	-1	0	0	0	0	0.5
ubicin Allopur	166	0	0	-1	-1	-1	0	0	0	0	0.5
inol Bisopr	188	0	0	-1	-1	-1	0	0	0	0	0.5
olol Irinotec	190	0	0	0	0	0	0	0	0	0	0.5
an Enalapr	167	0	0	0	0	0	0	0	0	0	0.5
ilat Polycy clic Aromat ic	193	0	0	0	0	0	0	0	0	0	0.5
Hydroc arbons	72	0	0	0	0	0	0	0	0	0	0.5
Tacrine	195	0	0	0	0	0	0	0	0	0	0.5

Fexofe nadine	196	0	0	0	0	0	0	0	0	0	0.5
Sodium	197	0	0	0	0	0	0	0	0	0	0.5
Erythro mycin	198	0	0	0	0	0	0	0	0	0	0.5
Nsc 23766	199	0	0	0	0	0	0	0	0	0	0.5
Roxithr omycin	200	0	0	-1	-1	-1	0	0	0	0	0.5
Strepto zocin Dydrog	71	0	0	0	0	0	0	0	0	0	0.5
esteron e	202	0	0	-1	-1	-1	0	0	0	0	0.5
Oxalipl atin	70	0	0	-1	-1	-1	0	0	0	0	0.5
Quinap ril	109	0	0	0	0	0	0	0	0	0	0.5
Kojic Acid	206	0	0	-1	-1	-1	0	0	0	0	0.5
Amilor ide	207	0	0	0	0	0	0	0	0	0	0.5
Terfena dine Silicon	208	0	0	-1	-1	-1	0	0	0	0	0.5
Dioxid e Totroov	74	0	0	0	0	0	0	0	0	0	0.5
Tetracy cline Isoniaz	192	0	0	0	0	0	0	0	0	0	0.5
id Dasatin	187	0	0	-1	-1	-1	0	0	0	0	0.5
ib Indinav	77	0	0	-1	-1	-1	0	0	0	0	0.5
ir Sulfasa	168	0	0	0	0	0	0	0	0	0	0.5
lazine Testost	169	0	0	-1	-1	-1	0	0	0	0	0.5
erone Morphi	86	0	0	0	0	0	0	0	0	0	0.5
ne Chenod eoxych olic	171	0	0	0	0	0	0	0	-1	0	0.5
Acid Apomo	85	0	0	0	0	0	0	0	0	0	0.5
rphine Polymy	174	0	0	-1	-1	-1	0	0	0	0	0.5
xin B Isoprot	186	0	0	0	0	0	0	0	0	0	0.5
erenol Vinorel	177	0	0	0	0	0	0	0	0	0	0.5
bine Furose	176	0	0	0	0	0	0	0	0	0	0.5
mide Calcitri	179	0	0	-1	-1	-1	0	0	-1	0	0.5
ol Amitri	180	0	0	-1	-1	-1	0	0	-1	0	0.5
ptyline Erlotini b	181	0	0	0	0	0	0	0	-1	0	0.5
Hydroc hloride Oxytetr acyclin	76	0	0	0	0	0	0	0	0	0	0.5
e Crack Cocain	183	0	0	-1	-1	-1	0	0	0	0	0.5
e	184	0	0	0	0	0	0	0	0	0	0.5

Thiocti c Acid	185	0	0	-1	-1	-1	0	0	0	0	0.5
Warfari n	289	0	-1	0	0	0	0	0	-1	0	0.3744
Mesala mine	221	0	-1	0	0	0	0	0	0	0	0.3744
Lidocai											
ne Geniste	220	0	-1	-1	-1	-1	0	0	-1	0	0.3744
in Enalapr	215	0	-1	-1	-1	-1	0	0	0	0	0.3744
il	279	0	-1	0	0	0	0	0	0	0	0.3744
Bortez omib	107	0	-1	-1	-1	-1	0	0	0	0	0.3744
Clofibr ate	108	0	-1	-1	-1	-1	0	0	0	0	0.3744

Supplementary Table S4. Full list of drug combinations from the top drugs.

Drug A	Drug B	# COVID-19 genes that Drug A hits	# COVID-19 genes that Drug B hits	# COVID-19 genes that either Drug A or B hit	# COVID-19 genes that both Drug A and Drug B hit	type
ETOPOSIDE	SIROLIMUS	2	22	24	0	complementary
MEFLOQUINE	SIROLIMUS	1	22	23	0	complementary
LOSARTAN	RIBAVIRIN	12	6	18	0	complementary
ACETAMINOP HEN	CHLOROQUIN E	3	11	14	0	complementary
ETOPOSIDE	LOSARTAN	2	12	14	0	complementary
HYDROXYCHL OROQUINE	MELATONIN	4	10	14	0	complementary
ACETAMINOP HEN	MELATONIN	3	10	13	0	complementary
ATORVASTATI N	CHLOROQUIN E	2	11	13	0	complementary
CHLOROQUIN E	LOPINAVIR	11	2	13	0	complementary
LOSARTAN	MEFLOQUINE	12	1	13	0	complementary
IVERMECTIN	RIBAVIRIN	6	6	12	0	complementary
ETOPOSIDE	MELATONIN	2	10	12	0	complementary
AZITHROMYCI N	MELATONIN	2	10	12	0	complementary
ATORVASTATI N	MELATONIN	2	10	12	0	complementary
CHLOROQUIN E	HEPARIN	11	1	12	0	complementary
HEPARIN	MELATONIN	1	10	11	0	complementary
MEFLOQUINE	MELATONIN	1	10	11	0	complementary
ASPIRIN	RIBAVIRIN	4	6	10	0	complementary
HYDROXYCHL OROQUINE	RIBAVIRIN	4	6	10	0	complementary
HYDROXYCHL OROQUINE	IVERMECTIN	4	6	10	0	complementary
NIFEDIPINE	RIBAVIRIN	4	6	10	0	complementary
ACETAMINOP HEN	RIBAVIRIN	3	6	9	0	complementary
HYDROXYCHL OROQUINE	NIFEDIPINE	4	4	8	0	complementary
LOPINAVIR	RIBAVIRIN	2	6	8	0	complementary
HYDROXYCHL OROQUINE	TENOFOVIR	4	4	8	0	complementary
ETOPOSIDE	RIBAVIRIN	2	6	8	0	complementary
IVERMECTIN AZITHROMYCI	LOPINAVIR	6	2	8	0	complementary
N	RIBAVIRIN	2	6	8	0	complementary
ATORVASTATI N	IVERMECTIN	2	6	8	0	complementary
ATORVASTATI N	RIBAVIRIN	2	6	8	0	complementary
ASPIRIN	HYDROXYCHL OROQUINE	4	4	8	0	complementary
CYCLOSPORIN E	RIBAVIRIN	2	6	8	0	complementary
MEFLOQUINE	RIBAVIRIN	1	6	7	0	complementary
HEPARIN	IVERMECTIN	1	6	7	0	complementary

HEPARIN ACETAMINOP	RIBAVIRIN	1	6	7	0 complementary
HEN ACETAMINOP	TENOFOVIR HYDROXYCHL	3	4	7	0 complementary
HEN ACETAMINOP	OROQUINE	3	4	7	0 complementary
HEN CYCLOSPORIN	NIFEDIPINE	3	4	7	0 complementary
E	TENOFOVIR	2	4	6	0 complementary
LOPINAVIR HYDROXYCHL	TENOFOVIR	2	4	6	0 complementary
OROQUINE	LOPINAVIR HYDROXYCHL	4	2	6	0 complementary
ETOPOSIDE	OROQUINE	2	4	6	0 complementary
ETOPOSIDE CYCLOSPORIN	NIFEDIPINE HYDROXYCHL	2	4	6	0 complementary
E AZITHROMYCI	OROQUINE HYDROXYCHL	2	4	6	0 complementary
N N	OROQUINE	2	4	6	0 complementary
ETOPOSIDE ATORVASTATI	TENOFOVIR	2	4	6	0 complementary
N ATORVASTATI	NIFEDIPINE HYDROXYCHL	2	4	6	0 complementary
N ATORVASTATI	OROQUINE	2	4	6	0 complementary
N N	TENOFOVIR	2	4	6	0 complementary
ASPIRIN AZITHROMYCI	ETOPOSIDE	4	2	6	0 complementary
N	TENOFOVIR CYCLOSPORIN	2	4	6	0 complementary
ASPIRIN	E AZITHROMYCI	4	2	6	0 complementary
ASPIRIN	N	4	2	6	0 complementary
ASPIRIN	ATORVASTATI N	4	2	6	0 complementary
HEPARIN	NIFEDIPINE	1	4	5	0 complementary
MEFLOQUINE	TENOFOVIR	1	4	5	0 complementary
MEFLOQUINE HYDROXYCHL	NIFEDIPINE	1	4	5	0 complementary
OROQUINE	MEFLOQUINE	4	1	5	0 complementary
HEPARIN	TENOFOVIR	1	4	5	0 complementary
ASPIRIN ACETAMINOP	HEPARIN ATORVASTATI	4	1	5	0 complementary
HEN ACETAMINOP	N	3	2	5	0 complementary
HEN ACETAMINOP	ETOPOSIDE CYCLOSPORIN	3	2	5	0 complementary
HEN ACETAMINOP	E AZITHROMYCI	3	2	5	0 complementary
HEN ACETAMINOP	N	3	2	5	0 complementary
HEN	LOPINAVIR	3	2	5	0 complementary
ASPIRIN	MEFLOQUINE	4	1	5	0 complementary
ETOPOSIDE CYCLOSPORIN	LOPINAVIR	2	2	4	0 complementary
E AZITHROMYCI	LOPINAVIR	2	2	4	0 complementary
N ATORVASTATI	LOPINAVIR	2	2	4	0 complementary
N	ETOPOSIDE	2	2	4	0 complementary

ATORVASTATI	AZITHROMYCI					
N	N	2	2	4	0	complementary
ACETAMINOP						•
HEN	HEPARIN	3	1	4	0	complementary
ACETAMINOP						1 3
HEN	MEFLOQUINE	3	1	4	0	complementary
ATORVASTATI	CYCLOSPORIN	3	1	7	U	complementary
N N	E E	2	2	4	0	complementary
	E	2	2	4	U	complementary
ATORVASTATI	MEELOOUBIE	2		2		1 .
N	MEFLOQUINE	2	1	3	0	complementary
ATORVASTATI						
N	HEPARIN	2	1	3	0	complementary
AZITHROMYCI						
N	HEPARIN	2	1	3	0	complementary
CYCLOSPORIN						
E	HEPARIN	2	1	3	0	complementary
						1 3
ETOPOSIDE	HEPARIN	2	1	3	0	complementary
						•
HEPARIN	LOPINAVIR	1	2	3	0	complementary
LOPINAVIR	MEFLOQUINE	2	1	3	0	complementary
HEDADDI	MEELOOUBIE	1		2	0	1 .
HEPARIN	MEFLOQUINE	1	1	2	0	complementary