

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
CEFTRIAZONE	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
LISINAPRIL	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
REMEDESIVIR	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
ARIPIRAZOLE	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
CEFTRIAZONE	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

Drug	Initial rank	Initial rank within top 30	GSEA (1 if ES<0, p-value<0.05)	ACE2 enzymatic activity	Spike-ACE2 protein - protein interaction (Alpha LISA)	SARS-CoV-2 cytopathic effect (NCAT S)	SARS-CoV-2 cytopathic effect (ReFRAME)	Positive efficacy in any in-vitro experiments	EHR	Under trials	Prob
Azithromycin	20	1	1	-1	-1	1	0	1	1	1	0.9998
Hydroxychloroquine	23	1	0	0	0	0	0	0	1	1	0.9988
Atorvastatin	44	0	1	0	0	0	0	0	1	1	0.9979
Acetaminophen	75	0	0	1	-1	-1	0	1	1	1	0.9978
Aspirin	189	0	-1	-1	-1	-1	0	0	1	1	0.9899
Albuterol	270	0	0	0	0	0	0	0	1	0	0.9802
Melatonin	13	1	1	-1	-1	-1	0	0	-1	1	0.9786
Sirolimus	21	1	1	-1	-1	-1	0	0	0	1	0.9786
Nifedipine	9	1	1	-1	-1	-1	0	0	-1	1	0.9786
Ribavirin	22	1	0	-1	1	-1	0	1	0	1	0.9777
Chloroquine	15	1	0	-1	-1	1	1	1	0	1	0.9777
Lopinavir	14	1	0	-1	-1	1	0	1	0	1	0.9777
Teicoplanin	0	1	0	1	-1	1	0	1	0	1	0.9777
Remdesivir	7	1	0	-1	-1	1	1	1	-1	1	0.9777
Ivermectin	11	1	0	-1	-1	1	0	1	0	1	0.9777
Amlodipine	248	0	1	-1	-1	1	0	1	-1	1	0.9624
Celecoxib	55	0	1	1	-1	1	0	1	0	1	0.9624
Isotretinoin	60	0	1	1	-1	-1	0	1	0	1	0.9624
Chlorpromazine	182	0	1	-1	-1	1	0	1	0	1	0.9624
Itraconazole	34	0	1	-1	-1	1	0	1	0	1	0.9624
Progesterone	32	0	1	-1	-1	1	0	1	0	1	0.9624
Tenofovir	12	1	0	-1	-1	-1	0	0	0	1	0.9416
Mefloquine	1	1	0	0	0	0	0	0	0	1	0.9416
Ritonavir	4	1	0	-1	-1	-1	0	0	0	1	0.9416
Heparin	30	1	0	0	0	0	0	0	-1	1	0.9416
Cyclosporine	29	1	0	0	0	0	0	0	0	1	0.9416
Etoposide	25	1	0	-1	-1	-1	0	0	0	1	0.9416
Losartan	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	0.9298
Arbidol	5	1	0	-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 ogrel	246	0	1	0	0	0	0	0	-1	1	0.9038
Naltrex one	136	0	1	0	0	0	0	0	0	1	0.9038
Amoxi cillin	38	0	1	0	0	0	0	0	0	1	0.9038
Simvas tatin	95	0	1	-1	-1	-1	0	0	-1	1	0.9038
Leflun omide	156	0	1	-1	-1	-1	0	0	0	1	0.9038
Thalido mide	175	0	1	-1	-1	-1	0	0	0	1	0.9038
Fluoxet ine	103	0	1	0	0	0	0	0	-1	1	0.9038
Dexam 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 dine	285	0	0	1	-1	-1	0	1	-1	1	0.9003
Clozapi ne	62	0	1	1	-1	1	0	1	0	0	0.8853
Tamiba 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

Dactinomycin	17	1	0	0	0	0	0	0	0	0	0.8295
Antiviral Agents	16	1	0	0	0	0	0	0	0	0	0.8295
Emodin	10	1	0	0	0	0	0	0	0	0	0.8295
Immucillin A (2-Tert-Butoxy-1-(2-Cyclohexyl-1-(1-Formyl-2-(2-Oxopyrrolidin-3-Yl)Ethylcarbamoyl)Ethylcarbamoyl)Propyl)Carbamate	8	1	0	0	0	0	0	0	0	0	0.8295
Acid Benzoate	6	1	0	0	0	0	0	0	0	0	0.8295
Tacrolimus	36	0	0	0	0	0	0	0	-1	1	0.7683
Quercetin	92	0	0	-1	-1	-1	0	0	0	1	0.7683
Hydrocortisone	98	0	0	-1	-1	-1	0	0	-1	1	0.7683
Methotrexate	84	0	0	-1	-1	-1	0	0	0	1	0.7683
Naproxen	120	0	0	0	0	0	0	0	0	1	0.7683
Folic Acid	82	0	0	-1	-1	-1	0	0	-1	1	0.7683
Nitric Oxide	115	0	0	0	0	0	0	0	0	1	0.7683
Candesartan	48	0	0	-1	-1	-1	0	0	0	1	0.7683
Iloprost	274	0	0	-1	-1	-1	0	0	0	1	0.7683
Spironolactone	53	0	0	-1	-1	-1	0	0	-1	1	0.7683
Doxycycline	222	0	0	-1	-1	-1	0	0	-1	1	0.7683
Isoflurane	219	0	0	-1	-1	-1	0	0	0	1	0.7683
Oxygen	45	0	0	0	0	0	0	0	0	1	0.7683
Vitamin A	264	0	0	0	0	0	0	0	0	1	0.7683
Metformin	263	0	0	-1	-1	-1	0	0	-1	1	0.7683
Bicalutamide	201	0	0	-1	-1	-1	0	0	0	1	0.7683
Oseltamivir	203	0	0	0	0	0	0	0	-1	1	0.7683
Prednisolone	210	0	0	-1	-1	-1	0	0	0	1	0.7683

Estradiol	57	0	0	-1	-1	-1	0	0	0	1	0.7683
Propofol	214	0	0	-1	-1	-1	0	0	-1	1	0.7683
Amiodarone	218	0	0	0	0	0	0	0	-1	1	0.7683
Ibuprofen	191	0	0	0	0	0	0	0	-1	1	0.7683
Alitretinoin	130	0	1	0	0	0	0	0	0	0	0.7392
Temozolomide	240	0	1	-1	-1	-1	0	0	0	0	0.7392
Bosentan	277	0	1	-1	-1	-1	0	0	0	0	0.7392
Bezafibrate	245	0	1	-1	-1	-1	0	0	0	0	0.7392
Riluzole	236	0	1	-1	-1	-1	0	0	0	0	0.7392
Sumatriptan	110	0	1	-1	-1	-1	0	0	0	0	0.7392
Levofloxacin	283	0	1	-1	-1	-1	0	0	-1	0	0.7392
Naringenin	284	0	1	0	0	0	0	0	0	0	0.7392
Propranolol	137	0	1	0	0	0	0	0	-1	0	0.7392
Triprolidine	149	0	1	-1	-1	-1	0	0	0	0	0.7392
Gemfibrozil	225	0	1	-1	-1	-1	0	0	0	0	0.7392
Theophylline	154	0	1	0	0	0	0	0	0	0	0.7392
Montelukast	170	0	1	0	0	0	0	0	-1	0	0.7392
Propylthiouracil	172	0	1	-1	-1	-1	0	0	0	0	0.7392
4-Methyl-N1-(3-Phenylpropyl)Benzenec-1,2-Diamine	205	0	1	0	0	0	0	0	0	0	0.7392
Mercaptopurine	194	0	1	-1	-1	-1	0	0	0	0	0.7392
Glyburide	299	0	1	0	0	0	0	0	0	0	0.7392
Carbamazepine	297	0	1	-1	-1	-1	0	0	0	0	0.7392
Medroxyprogesterone	178	0	1	-1	-1	-1	0	0	0	0	0.7392
Epirubicin	150	0	1	0	0	0	0	0	0	0	0.7392
Flutamide	89	0	1	-1	-1	-1	0	0	0	0	0.7392
Irbesartan	79	0	1	-1	-1	-1	0	0	0	0	0.7392
Ampicillin	54	0	1	0	0	0	0	0	0	0	0.7392
Betamethasone	69	0	1	0	0	0	0	0	0	0	0.7392

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Thioctic Acid	185	0	0	-1	-1	-1	0	0	0	0	0.5
Warfarin	289	0	-1	0	0	0	0	0	-1	0	0.3744
Mesalamine	221	0	-1	0	0	0	0	0	0	0	0.3744
Lidocaine	220	0	-1	-1	-1	-1	0	0	-1	0	0.3744
Genistein	215	0	-1	-1	-1	-1	0	0	0	0	0.3744
Enalapril	279	0	-1	0	0	0	0	0	0	0	0.3744
Bortezomib	107	0	-1	-1	-1	-1	0	0	0	0	0.3744
Clofibrate	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
ACETAMINOPHEN	CHLOROQUINE	3	11	14	0	complementary
ETOPOSIDE	LOSARTAN	2	12	14	0	complementary
HYDROXYCHLOROQUINE	MELATONIN	4	10	14	0	complementary
ACETAMINOPHEN	MELATONIN	3	10	13	0	complementary
ATORVASTATIN	CHLOROQUINE	2	11	13	0	complementary
CHLOROQUINE	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
AZITHROMYCIN	MELATONIN	2	10	12	0	complementary
ATORVASTATIN	MELATONIN	2	10	12	0	complementary
CHLOROQUINE	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
HYDROXYCHLOROQUINE	RIBAVIRIN	4	6	10	0	complementary
HYDROXYCHLOROQUINE	IVERMECTIN	4	6	10	0	complementary
NIFEDIPINE	RIBAVIRIN	4	6	10	0	complementary
ACETAMINOPHEN	RIBAVIRIN	3	6	9	0	complementary
HYDROXYCHLOROQUINE	NIFEDIPINE	4	4	8	0	complementary
LOPINAVIR	RIBAVIRIN	2	6	8	0	complementary
HYDROXYCHLOROQUINE	TENOFOVIR	4	4	8	0	complementary
ETOPOSIDE	RIBAVIRIN	2	6	8	0	complementary
IVERMECTIN	LOPINAVIR	6	2	8	0	complementary
AZITHROMYCIN	RIBAVIRIN	2	6	8	0	complementary
ATORVASTATIN	IVERMECTIN	2	6	8	0	complementary
ATORVASTATIN	RIBAVIRIN	2	6	8	0	complementary
ASPIRIN	HYDROXYCHLOROQUINE	4	4	8	0	complementary
CYCLOSPORINE	RIBAVIRIN	2	6	8	0	complementary
MEFLOQUINE	RIBAVIRIN	1	6	7	0	complementary
HEPARIN	IVERMECTIN	1	6	7	0	complementary

HEPARIN	RIBAVIRIN	1	6	7	0	complementary
ACETAMINOPHEN	TENOFOVIR	3	4	7	0	complementary
ACETAMINOPHEN	HYDROXYCHLOROQUINE	3	4	7	0	complementary
ACETAMINOPHEN	NIFEDIPINE	3	4	7	0	complementary
CYCLOSPORINE	TENOFOVIR	2	4	6	0	complementary
LOPINAVIR	TENOFOVIR	2	4	6	0	complementary
HYDROXYCHLOROQUINE	LOPINAVIR	4	2	6	0	complementary
ETOPOSIDE	HYDROXYCHLOROQUINE	2	4	6	0	complementary
ETOPOSIDE	NIFEDIPINE	2	4	6	0	complementary
CYCLOSPORINE	HYDROXYCHLOROQUINE	2	4	6	0	complementary
AZITHROMYCIN	HYDROXYCHLOROQUINE	2	4	6	0	complementary
ETOPOSIDE	TENOFOVIR	2	4	6	0	complementary
ATORVASTATIN	NIFEDIPINE	2	4	6	0	complementary
ATORVASTATIN	HYDROXYCHLOROQUINE	2	4	6	0	complementary
ATORVASTATIN	TENOFOVIR	2	4	6	0	complementary
ASPIRIN	ETOPOSIDE	4	2	6	0	complementary
AZITHROMYCIN	TENOFOVIR	2	4	6	0	complementary
ASPIRIN	CYCLOSPORINE	4	2	6	0	complementary
ASPIRIN	AZITHROMYCIN	4	2	6	0	complementary
ASPIRIN	ATORVASTATIN	4	2	6	0	complementary
HEPARIN	NIFEDIPINE	1	4	5	0	complementary
MEFLOQUINE	TENOFOVIR	1	4	5	0	complementary
MEFLOQUINE	NIFEDIPINE	1	4	5	0	complementary
HYDROXYCHLOROQUINE	MEFLOQUINE	4	1	5	0	complementary
HEPARIN	TENOFOVIR	1	4	5	0	complementary
ASPIRIN	HEPARIN	4	1	5	0	complementary
ACETAMINOPHEN	ATORVASTATIN	3	2	5	0	complementary
ACETAMINOPHEN	ETOPOSIDE	3	2	5	0	complementary
ACETAMINOPHEN	CYCLOSPORINE	3	2	5	0	complementary
ACETAMINOPHEN	AZITHROMYCIN	3	2	5	0	complementary
ACETAMINOPHEN	LOPINAVIR	3	2	5	0	complementary
ASPIRIN	MEFLOQUINE	4	1	5	0	complementary
ETOPOSIDE	LOPINAVIR	2	2	4	0	complementary
CYCLOSPORINE	LOPINAVIR	2	2	4	0	complementary
AZITHROMYCIN	LOPINAVIR	2	2	4	0	complementary
ATORVASTATIN	ETOPOSIDE	2	2	4	0	complementary

ATORVASTATIN	AZITHROMYCIN	2	2	4	0	complementary
ACETAMINOPHEN	HEPARIN	3	1	4	0	complementary
ACETAMINOPHEN	MEFLOQUINE	3	1	4	0	complementary
ATORVASTATIN	CYCLOSPORINE	2	2	4	0	complementary
ATORVASTATIN	MEFLOQUINE	2	1	3	0	complementary
ATORVASTATIN	HEPARIN	2	1	3	0	complementary
AZITHROMYCIN	HEPARIN	2	1	3	0	complementary
CYCLOSPORINE	HEPARIN	2	1	3	0	complementary
ETOPOSIDE	HEPARIN	2	1	3	0	complementary
HEPARIN	LOPINAVIR	1	2	3	0	complementary
LOPINAVIR	MEFLOQUINE	2	1	3	0	complementary
HEPARIN	MEFLOQUINE	1	1	2	0	complementary