

Supplementary Table 4c: Normalized scores of the gene / drug node					
Name	Type	Gene_Degree	Drug_Score	NodeScore (C and D)	NormalizedScore
Isotretinoin	Drug		50	50	1
Azithromycin	Drug		46.5	47	0.93
Baricitinib	Drug		43.5	44	0.87
Tofacitinib	Drug		42.7	43	0.85
Apremilast	Drug		42.3	42	0.85
Fluvoxamine	Drug		41.8	42	0.84
Elbasvir	Drug		40.7	41	0.81
Chloroquine	Drug		38.1	38	0.76
Hydroxychloroquine	Drug		37	37	0.74
Colchicine	Drug		37	37	0.74
Methylprednisolone	Drug		36.7	37	0.73
Darunavir	Drug		36	36	0.72
Dapagliflozin	Drug		35.6	36	0.71
Acalabrutinib	Drug		35	35	0.7
Ruxolitinib	Drug		35	35	0.7
Sarilumab	Drug		34	34	0.68
Tocilizumab	Drug		34	34	0.68
Human interferon beta	Drug		34	34	0.68
Fluoxetine	Drug		33.4	33	0.67
Siltuximab	Drug		32	32	0.64
Losartan	Drug		30.4	30	0.61
Sirolimus	Drug		29	29	0.58
Lopinavir	Drug		27.9	28	0.56
Remdesivir	Drug		27.2	27	0.54
Ritonavir	Drug		23.9	24	0.48
Naproxen	Drug		23.7	24	0.47
Dexamethasone	Drug		23.6	24	0.47
Leflunomide	Drug		23	23	0.46
Telmisartan	Drug		22	22	0.44
Ibuprofen	Drug		21.7	22	0.43
Fingolimod	Drug		21.5	22	0.43
Favipiravir	Drug		21.3	21	0.43
Progesterone	Drug		20.6	21	0.41
Famotidine	Drug		18.8	19	0.38
Disulfiram	Drug		18.3	18	0.37
Chlorhexidine	Drug		18	18	0.36
Nicotine	Drug		17.9	18	0.36
Ketamine	Drug		16.9	17	0.34
Interferon alfa-2b, recombinant	Drug		16	16	0.32
Nitric Oxide	Drug		14.5	14.5	0.29

Umifenovir	Drug		12.3	12	0.25
Prazosin	Drug		11.8	12	0.24
Acetylcysteine	Drug		9	9	0.18
Naltrexone	Drug		5	5	0.1
Ramipril	Drug		4	4	0.08
Metenkefalin	Drug		3	3	0.06
Bevacizumab	Drug		2	2	0.04
Heparin	Drug		2	2	0.04
Enoxaparin	Drug		2	2	0.04
Deferoxamine	Drug		2	2	0.04
Tranexamic Acid	Drug		2	2	0.04
CYP3A4	Gene	32		32	1
ABCB1	Gene	25		25	0.78
ALB	Gene	18		18	0.56
CYP1A2	Gene	14		14	0.44
CYP2C9	Gene	14		14	0.44
CYP2C8	Gene	13		13	0.41
CYP2C19	Gene	12		12	0.38
CYP2D6	Gene	12		12	0.38
CYP2B6	Gene	10		10	0.31
CYP3A5	Gene	10		10	0.31
ABCG2	Gene	7		7	0.22
CYP2E1	Gene	7		7	0.22
SLC22A6	Gene	7		7	0.22
SLCO1B1	Gene	7		7	0.22
CYP1A1	Gene	6		6	0.19
CYP2A6	Gene	6		6	0.19
ORM1	Gene	6		6	0.19
SLC22A8	Gene	6		6	0.19
CYP3A7	Gene	5		5	0.16
SLCO1A2	Gene	5		5	0.16
SLCO1B3	Gene	5		5	0.16
UGT2B7	Gene	5		5	0.16
ABCC1	Gene	4		4	0.13
ABCC2	Gene	4		4	0.13
SLC22A2	Gene	4		4	0.13
UGT1A3	Gene	4		4	0.13
UGT1A9	Gene	4		4	0.13
CYP17A1	Gene	3		3	0.09
JAK1	Gene	3		3	0.09
JAK2	Gene	3		3	0.09
KCNH2	Gene	3		3	0.09
NR3C1	Gene	3		3	0.09
OPRD1	Gene	3		3	0.09

OPRK1	Gene	3	3	0.09
OPRM1	Gene	3	3	0.09
PTGS1	Gene	3	3	0.09
SLC22A1	Gene	3	3	0.09
SLC22A3	Gene	3	3	0.09
ABCC4	Gene	2	2	0.06
ACE2	Gene	2	2	0.06
AGTR1	Gene	2	2	0.06
ALDH2	Gene	2	2	0.06
ANXA1	Gene	2	2	0.06
BCHE	Gene	2	2	0.06
CHRNA2	Gene	2	2	0.06
CHRNA3	Gene	2	2	0.06
CHRNA7	Gene	2	2	0.06
CHRNA4	Gene	2	2	0.06
CYP1B1	Gene	2	2	0.06
F10	Gene	2	2	0.06
FCGR1A	Gene	2	2	0.06
FCGR2A	Gene	2	2	0.06
FCGR2B	Gene	2	2	0.06
FCGR3A	Gene	2	2	0.06
FGF2	Gene	2	2	0.06
GRIN3A	Gene	2	2	0.06
IFNAR1	Gene	2	2	0.06
IL6R	Gene	2	2	0.06
JAK3	Gene	2	2	0.06
NR1I2	Gene	2	2	0.06
PPARG	Gene	2	2	0.06
PTGS2	Gene	2	2	0.06
PTK2B	Gene	2	2	0.06
SERPINC1	Gene	2	2	0.06
SLC10A1	Gene	2	2	0.06
SLC15A2	Gene	2	2	0.06
SLC47A1	Gene	2	2	0.06
SLC6A4	Gene	2	2	0.06
SLCO2B1	Gene	2	2	0.06
TLR9	Gene	2	2	0.06
UGT1A1	Gene	2	2	0.06
UGT2B4	Gene	2	2	0.06
XDH	Gene	2	2	0.06