Supplementary Table 1: Network Parameters of the Protein-Protein Interaction (PPI)

Name	Betweenness Centrality	Closeness Centrality	Clustering Coefficient	Degree	MCODE	**STRESS**
TP53	0.22	0.77	0.24	142	Cluster 1	52674
BIRC2	0.03	0.62	0.50	83	Cluster 1	16848
TRAF2	0.03	0.61	0.52	78	Cluster 1	14552
UBC	0.02	0.59	0.57	73	Cluster 1	9610
UBB	0.02	0.57	0.57	72	Cluster 1	6952
RPS27A	0.01	0.58	0.59	71	Cluster 1	7546
UBA52	0.01	0.57	0.61	69	Cluster 1	6072
TP73	0.02	0.58	0.63	63	Cluster 1	5862
PAK2	0.02	0.55	0.68	59	Cluster 1	6586
PSMA7	0.01	0.55	0.81	58	Cluster 1	2948
PSMA3	0.00	0.53	0.84	57	Cluster 1	1360
PSMD14	0.00	0.54	0.87	56	Cluster 1	2090
PSMC4	0.00	0.53	0.89	55	Cluster 1	1154
PSMC3	0.00	0.52	0.93	54	Cluster 1	692
PSMA5	0.00	0.52	0.93	54	Cluster 1	526
PSMA2	0.00	0.54	0.93	54	Cluster 1	1556
PSMC5	0.00	0.53	0.93	54	Cluster 1	1020
PSMD2	0.00	0.54	0.90	54	Cluster 1	1600
PSMB9	0.00	0.52	0.89	54	Cluster 1	748
PSMD12	0.00	0.51	0.96	53	Cluster 1	212
PSMA6	0.00	0.51	0.96	53	Cluster 1	212
PSMB2	0.00	0.51	0.96	53	Cluster 1	212
PSMD1	0.00	0.51	0.96	53	Cluster 1	212
PSMC1	0.00	0.51	0.96	53	Cluster 1	212
PSMD8	0.00	0.51	0.96	53	Cluster 1	212
PSMD3	0.00	0.51	0.96	53	Cluster 1	212
PSMA4	0.00	0.51	0.96	53	Cluster 1	212
PSMD4	0.00	0.51	0.96	53	Cluster 1	212
PSMC6	0.00	0.52	0.96	53	Cluster 1	548
PSMB8	0.00	0.51	0.95	53	Cluster 1	236
PSMC2	0.00	0.51	0.93	53	Cluster 1	288
PSME3	0.00	0.52	0.92	53	Cluster 1	736
PSMB7	0.00	0.51	0.98	52	Cluster 1	68
PSMD6	0.00	0.51	0.98	52	Cluster 1	68
PSMB5	0.00	0.51	0.98	52	Cluster 1	68
PSMB4	0.00	0.51	0.98	52	Cluster 1	68
PSMB3	0.00	0.51	0.98	52	Cluster 1	68
PSME1	0.00	0.51	0.98	52	Cluster 1	68
PSMD11	0.00	0.51	0.96	52	Cluster 1	194
PSMA1	0.00	0.51	0.96	52	Cluster 1	206
PSMD7	0.00	0.52	0.96	52	Cluster 1	520
PSMD13	0.00	0.51	0.95	52	Cluster 1	328

PSMD9	0.00	0.51	0.95	52	Cluster 1	176
PSME2	0.00	0.51	0.99	51	Cluster 1	54
PSMB6	0.00	0.51	0.99	51	Cluster 1	54
PSMB10	0.00	0.51	0.99	51	Cluster 1	54
PSMB1	0.00	0.51	0.99	51	Cluster 1	54
PSMA8	0.00	0.51	0.98	51	Cluster 1	62
PSME4	0.00	0.51	0.98	51	Cluster 1	62
PSMB11	0.00	0.51	0.99	50	Cluster 1	48
PSMD5	0.00	0.51	0.98	49	Cluster 1	60
PSMD10	0.00	0.51	0.95	46	Cluster 1	234
PSMF1	0.00	0.50	0.99	45	Cluster 1	42
CASP3	0.14	0.67	0.22	98	Cluster 2	36484
CTNNB1	0.04	0.60	0.29	72	Cluster 2	16844
BCL2	**0.03**	**0.61**	**0.36**	**70**	**Cluster 2**	**13560**
AKT1	0.02	0.59	0.37	68	Cluster 2	8902
CYCS	0.04	0.60	0.38	65	Cluster 2	17084
CASP8	0.02	0.59	0.45	59	Cluster 2	9872
CASP9	0.02	0.59	0.45	57	Cluster 2	9922
BCL2L1	0.01	0.57	0.50	53	Cluster 2	3484
STAT3	0.01	0.56	0.43	52	Cluster 2	4254
APAF1	0.01	0.56	0.51	50	Cluster 2	4908
CASP7	0.02	0.57	0.51	48	Cluster 2	7726
BCL2L11	0.01	0.56	0.56	47	Cluster 2	3082
MAPK3	0.01	0.55	0.46	45	Cluster 2	3174
XIAP	0.00	0.55	0.63	44	Cluster 2	2668
FADD	0.01	0.57	0.60	44	Cluster 2	6548
MAPK8	0.01	0.55	0.53	43	Cluster 2	3380
RIPK1	0.01	0.56	0.56	41	Cluster 2	8962
FAS	0.00	0.54	0.68	39	Cluster 2	1024
BAX	**0.00**	**0.54**	**0.58**	**39**	**Cluster 2**	**1520**
FASLG	0.00	0.54	0.74	38	Cluster 2	782
CFLAR	0.00	0.54	0.70	38	Cluster 2	1072
TRADD	0.00	0.54	0.74	35	Cluster 2	574
CASP6	0.00	0.55	0.65	35	Cluster 2	2940
DIABLO-2	0.00	0.53	0.80	33	Cluster 2	262
TNFRSF10B	0.00	0.53	0.88	32	Cluster 2	156
PMAIP1	0.00	0.53	0.70	32	Cluster 2	928
TNFRSF10A	0.00	0.53	0.77	31	Cluster 2	1238
BAK1	0.01	0.53	0.67	31	Cluster 2	2182
KPNB1	0.01	0.52	0.53	31	Cluster 2	2792
BID	0.00	0.53	0.80	30	Cluster 2	532
TNFSF10	0.00	0.52	0.90	29	Cluster 2	78
CHMP3	0.00	0.33	1.00	8	Cluster 3	0
CHMP2A	0.00	0.33	1.00	8	Cluster 3	0
CHMP6	0.00	0.33	1.00	8	Cluster 3	0

CHMP2B	0.00	0.33	1.00	8	Cluster 3	0
CHMP4C	0.00	0.33	1.00	8	Cluster 3	0
CHMP7	0.00	0.33	1.00	8	Cluster 3	0
CHMP4A	0.00	0.33	1.00	8	Cluster 3	0
CHMP4B	0.00	0.33	1.00	8	Cluster 3	0
YWHAZ	0.01	0.52	0.40	32	Cluster 4	3566
MAPT	0.00	0.53	0.41	29	Cluster 4	1918
YWHAB	0.00	0.49	0.40	25	Cluster 4	964
YWHAE	0.00	0.51	0.55	22	Cluster 4	1432
YWHAQ	0.00	0.48	0.51	20	Cluster 4	704
PPP3R1	0.00	0.46	0.58	15	Cluster 4	316
PPP3CC	0.00	0.40	0.93	11	Cluster 4	28
DSP	0.00	0.50	0.54	16	Cluster 5	860
PLEC	0.00	0.47	0.36	16	Cluster 5	842
DSG2	0.00	0.47	0.65	12	Cluster 5	388
DSG3	0.00	0.44	0.64	10	Cluster 5	132
DSG1	0.00	0.43	0.72	9	Cluster 5	94
GSDMD	0.08	0.48	0.32	31	Cluster 6	54420
GSDME	0.00	0.52	0.58	18	Cluster 6	2034
IL1A	0.00	0.51	0.77	13	Cluster 6	1474
CASP4	0.00	0.48	0.76	11	Cluster 6	1112
IRF1	0.00	0.49	0.78	10	Cluster 6	898
CASP5	0.00	0.37	0.79	8	Cluster 6	28
VIM	0.00	0.52	0.44	26	Cluster 7	1262
SFN	0.00	0.50	0.44	23	Cluster 7	1082
TJP1	0.00	0.51	0.55	21	Cluster 7	668
YWHAG	0.00	0.50	0.53	20	Cluster 7	1074
H1-2	0.00	0.50	0.44	19	Cluster 7	1046
TP63	0.00	0.48	0.41	18	Cluster 7	858
CASP1	0.00	0.51	0.62	17	Cluster 7	1764
H1-0	0.00	0.49	0.58	16	Cluster 7	708
YWHAH	0.00	0.48	0.75	15	Cluster 7	354
IL1B	**0.00**	**0.51**	**0.71**	**15**	**Cluster 7**	**1562**
OCLN	0.00	0.46	0.65	15	Cluster 7	212
IL18	0.00	0.51	0.78	14	Cluster 7	1478
H1-4	0.00	0.47	0.80	11	Cluster 7	280
H1-5	0.00	0.47	0.78	11	Cluster 7	262
H1-1	0.00	0.47	0.78	11	Cluster 7	262
H1-3	0.00	0.46	0.91	10	Cluster 7	206
ELANE	0.00	0.43	0.94	9	Cluster 7	6
HMGB2	0.00	0.38	0.78	9	Cluster 7	86
TICAM1	0.00	0.44	0.80	15	Cluster 8	74
LY96	0.00	0.48	0.78	15	Cluster 8	366
TICAM2	0.00	0.44	0.81	13	Cluster 8	56
CD14	0.00	0.45	0.81	13	Cluster 8	106

CDH1	0.01	0.55	0.41	45	Cluster 9	4726
MAPK1	0.01	0.55	0.41	44	Cluster 9	5256
TLR4	0.01	0.56	0.54	40	Cluster 9	9996
BAD	0.00	0.53	0.52	31	Cluster 10	1898
AKT2	0.00	0.51	0.68	21	Cluster 10	414
AKT3	0.00	0.50	0.84	15	Cluster 10	94
DAPK1	0.00	0.51	0.62	17	Cluster 11	544
DAPK2	0.00	0.49	0.73	11	Cluster 11	120
DAPK3	0.00	0.49	0.84	10	Cluster 11	28
APPL1	0.00	0.48	0.60	10	Cluster 12	282
DCC	0.00	0.42	0.68	8	Cluster 12	60
UNC5A	0.00	0.41	0.57	8	Cluster 12	40
HMGB1	0.02	0.55	0.36	35		7350
E2F1	0.00	0.53	0.53	29		1764
LMNB1	0.00	0.53	0.43	29		1846
DFFB	0.01	0.52	0.49	28		2238
GZMB	0.00	0.53	0.54	26		1928
PRKCD	0.01	0.52	0.42	24		2084
PTK2	0.00	0.51	0.46	23		1532
DFFA	0.00	0.51	0.68	22		604
DNM1L	0.00	0.51	0.58	20		1534
ROCK1	0.00	0.51	0.54	20		834
BMF	0.00	0.51	0.80	19		574
LMNA	0.00	0.51	0.57	19		546
TP53BP2	0.00	0.50	0.60	17		300
DYNLL1	0.00	0.48	0.42	13		1264
SPTAN1	0.00	0.48	0.41	13		588
TJP2	0.00	0.49	0.70	12		186
PKP1	0.00	0.44	0.61	12		208
APC	0.00	0.49	0.78	11		100
UNC5B	0.00	0.49	0.58	10		336
DYNLL2	0.00	0.42	0.61	9		28
GSN	0.00	0.48	0.56	9		312
KPNA1	0.00	0.46	0.56	9		120
PPP1R13B	0.00	0.46	0.95	7		10
TFDP1	0.00	0.45	0.81	7		10
TFDP2	0.00	0.45	0.76	7		66
AVEN	0.00	0.41	1.00	6		0
CARD8	0.00	0.41	0.87	6		56
PRKCQ	0.00	0.47	0.67	6		54
MAGED1	0.00	0.42	0.67	6		54
UACA	0.00	0.45	0.53	6		48
APIP	0.00	0.42	1.00	5		0
BCAP31	0.00	0.40	1.00	5		0
OPA1	0.00	0.42	0.80	5		126

STK26	0.00	0.43	0.50	5	110
BMX	0.00	0.48	1.00	4	0
GAS2	0.00	0.41	0.50	4	52
STK24	0.00	0.41	0.50	4	46
ADD1	0.00	0.41	0.50	4	10
C1QBP	0.00	0.42	0.17	4	198
CLSPN	0.00	0.45	1.00	3	0
OMA1	0.00	0.38	1.00	3	0
SATB1	0.00	0.46	0.67	3	4
ACIN1	0.00	0.42	0.67	3	4
IRF2	0.00	0.46	0.67	3	792
ARHGAP10	0.00	0.41	0.67	3	2
DBNL	0.00	0.41	0.67	3	2
NMT1	0.00	0.40	1.00	2	0
FNTA	0.00	0.40	0.00	1	0