

Table S1: List of Primers used in the study for qPCR

Sl no.	Gene	Forward primer (5->3)	Reverse Primer (5->3)	Product size (base pair)
1	AMBP	ATGGCTGACCGAGGTGAATG	TCAGTTACCAGTTGCCCACC	125bp
2	FGF19	TTGCTGGAGATCAAGGCAGTC	TCCTCCGAGTACTGAAGCAGC	119bp
3	CHST4	CCTCCCTCAACCTGCATATCG	TCACAATGCGACTGTCAATCA	105bp
4	HOXB7	CGAGCCGAGTTCCTTCAACA	GTTTGCGGTCAAGTTCCTGAG	176bp
5	Col11A1	GGCTGAAAGTGTAACAGAGG	TCATCAACGATGTTTGCCTC	75bp
6	KRT17	CCAGATCCAGGGGCTGATTG	TTGTAAGTCAAGTCAAGTGGGC	177bp
7	TPX2	AGGGCCTTTCTGGTTCCTAGT	GGATTTCCTTATGCACCAGT	205bp
8	CENPF	CGTCCCCGAGAGCAAGTTTA	GTAGGCAGCCCTTCTTTCCA	98bp
9	ANLN	GGTGTGGTAAGTCCAGAGAGTT	CACCAGATTCAGCTCGAGGG	127bp
10	TOP2A	TGTCACCATTGCAGCCTGT	TGTCTGGGCGGAGCAAAATA	138bp
11	PRC1	CGCCATGAGGAGAAGTGAGG	TCTCTCCTTCTTCCTTGATATGCT	161bp
12	KIF23	TGCCATGAAGTCAGCGAGAG	GCGCACCTACAGTATACCC	103bp
13	GAPDH	ACGGATTTGGTCGTATTGGG	CGCTCCTGGAAGATGGTGAT	214bp
14	E-Cadherin	AAAGGCCCATTTCTAAAAACCT	TGCGTTCTCTATCCAGAGGCT	172bp
15	N-Cadherin	CCGGTTTCATTTGAGGGCAC	TTGAGGGCATTGGGATCGTC	210bp
16	Vimentin	AGAACTTTGCCGTTGAAGCTG	AGAAATCCTGCTCTCCTCGC	191bp
17	MMP2	AGGATGGCAAGTACGGCTTC	CTTCTTGTCGCGGTCTAGT	185bp
18	MMP9	GAGCTGACTCGACGGTGATG	AACTGTATCCTTGGTCCGGG	189bp
19	TIMP1	CATTGCTGGAAAACCTGCAGGA	GCAGTTTGAGGGGATGGAT	167bp
20	TIMP2	GGCTGCGAGTGCAAGATCAC	TCGAGAACTCCTGCTTGGG	197bp
21	Ki67	GCCTGTACGGCTAAACATGGAG	ACGTGCTGGCTCCTGTTCAC	133bp
22	PCNA	GGTTACTGAGGGCGAGAAGC	GACCGGCTGAGACTTGCGTA	98bp

Table S2: List of top 200 differentially expressed genes in GBC compared to control

Upregulated			Downregulated		
Sl no	Gene	log2FoldChange	Sl no	Gene	log2FoldChange
1	COL11A1	4.74	1	FGF19	-7.27
2	KRT17	3.88	2	AMBP	-5.09
3	TNNT1	3.79	3	DES	-4.72
4	MMP12	3.30	4	GC	-4.71
5	CHI3L1	3.05	5	PI16	-4.64
6	CLDN18	3.02	6	SCARA5	-4.54
7	MATN3	3.00	7	PAH	-4.39
8	CDH3	2.94	8	VTN	-4.32
9	REG1A	2.93	9	CHST4	-4.28
10	COL10A1	2.92	10	ADH1B	-4.05
11	SERPINB5	2.89	11	ASGR2	-3.97
12	CXCL10	2.86	12	CES1	-3.96
13	LOC101060400	2.78	13	AGT	-3.95
14	ESM1	2.78	14	APCS	-3.93
15	NOS2	2.77	15	SERPINA5	-3.84
16	CXCL9	2.77	16	CRP	-3.84
17	TOP2A	2.75	17	FCGBP	-3.82
18	HOXB7	2.73	18	IGHA2	-3.67
19	CXCL5	2.64	19	MUC5B	-3.64
20	HIST1H2BM	2.62	20	TFF2	-3.60
21	ANLN	2.61	21	CLEC3B	-3.41
22	HIST1H2AH	2.60	22	RDH12	-3.38
23	POSTN	2.60	23	ACTG2	-3.33
24	CDC20	2.58	24	IGSF10	-3.33
25	HIST1H2AJ	2.56	25	CLU	-3.26
26	IGLV3-21	2.55	26	SLC30A2	-3.22
27	HIST1H2AL	2.52	27	LGALS2	-3.18
28	HIST1H3C	2.48	28	HABP2	-3.14
29	AURKA	2.47	29	TTR	-3.12
30	HIST1H3B	2.46	30	UGT2B15	-3.09
31	HOXA13	2.46	31	PLP1	-3.08
32	IGHV1-69D	2.46	32	AKR1B10	-3.06
33	HLA-DRB1	2.46	33	SLC15A1	-3.04
34	CENPF	2.44	34	CA4	-3.04
35	MYBL2	2.41	35	KRT222	-2.95
36	KIF26B	2.41	36	DUOX2	-2.93
37	CCNB2	2.40	37	CCKAR	-2.92
38	TPX2	2.37	38	ALDOB	-2.91
39	PLAU	2.37	39	C16orf89	-2.84
40	FOXM1	2.37	40	DIRAS2	-2.84

41	SULF1	2.35	41	GREM2	-2.82
42	ECT2	2.35	42	PLIN1	-2.76
43	CDKN3	2.33	43	CH25H	-2.76
44	UBE2C	2.33	44	ANXA13	-2.74
45	BIRC5	2.31	45	SYNPO2	-2.72
46	NUSAP1	2.30	46	TMEM132C	-2.72
47	SAPCD2	2.28	47	HSPB6	-2.71
48	C5orf46	2.27	48	AKR1C4	-2.70
49	FIRRE	2.26	49	GLP2R	-2.68
50	MKI67	2.26	50	SERPINA4	-2.68
51	HIST1H2BH	2.24	51	ALDH1A2	-2.68
52	INHBA	2.23	52	OGN	-2.67
53	HIST1H3F	2.21	53	ANPEP	-2.67
54	BUB1	2.21	54	SYNM	-2.66
55	CCNE1	2.20	55	B3GALT2	-2.66
56	HIST1H3G	2.19	56	FABP4	-2.65
57	IGKV1-39	2.19	57	C6	-2.64
58	LRRC15	2.18	58	ADAM33	-2.61
59	PPP1R1B	2.17	59	PTGDS	-2.59
60	HIST1H2BL	2.16	60	FBLN5	-2.58
61	CEP55	2.16	61	CAVIN2	-2.58
62	TYMS	2.16	62	RBP4	-2.58
63	HIST1H1B	2.15	63	ABCC2	-2.58
64	NUF2	2.14	64	CNN1	-2.57
65	ASPM	2.14	65	LYVE1	-2.57
66	MELK	2.13	66	MYOC	-2.55
67	BUB1B	2.13	67	SRPX	-2.55
68	HIST1H4I	2.13	68	COLEC11	-2.53
69	CDK1	2.12	69	VSTM2L	-2.53
70	ARNTL2	2.12	70	C7	-2.52
71	HMMR	2.12	71	GPX3	-2.52
72	LAMC2	2.11	72	CPB2	-2.51
73	LOC105370045	2.11	73	CHRD2L	-2.50
74	MMP9	2.11	74	CD36	-2.50
75	TRIM29	2.11	75	SLC2A4	-2.50
76	DLGAP5	2.10	76	AOX1	-2.49
77	LOC105376938	2.09	77	HBB	-2.48
78	IGLV3-1	2.08	78	MAMDC2	-2.45
79	KIF4A	2.07	79	FGG	-2.43
80	MYEOV	2.07	80	CADM3	-2.42
81	IGLV3-19	2.07	81	IGHA1	-2.41
82	LAMB3	2.05	82	CNTFR	-2.40
83	HIST1H2AM	2.05	83	HBA2	-2.40
84	HJURP	2.05	84	MMRN1	-2.39

85	PLAC8	2.05	85	DPT	-2.38
86	AFAP1-AS1	2.05	86	NGFR	-2.38
87	PRC1	2.03	87	LMOD1	-2.37
88	HIST1H2AG	2.02	88	CHRM2	-2.36
89	CDCA8	2.02	89	ADAMTS8	-2.36
90	FN1	2.02	90	SLC3A1	-2.35
91	S100P	2.00	91	VIT	-2.34
92	GINS2	2.00	92	SLC9A3	-2.34
93	ABHD17C	2.00	93	PODN	-2.32
94	MCM10	1.99	94	ECM1	-2.32
95	IDO1	1.99	95	APOD	-2.32
96	TRIP13	1.99	96	MUC6	-2.32
97	IL4I1	1.98	97	ADGRD1	-2.30
98	HOXA10	1.97	98	JCHAIN	-2.30
99	HMGB3	1.96	99	TM4SF4	-2.30
100	COL8A1	1.96	100	GFRA1	-2.30

Table S3: List of top 200 differentially expressed genes in male GBC compared to control

Upregulated			Downregulated		
SI no	Gene	log2FoldChange	SI no	Gene	log2FoldChange
1	COMP	4.87	1	UGT2B28	-6.65
2	ANXA8L1	4.46	2	FABP4	-5.88
3	FNDC1	4.30	3	FGF19	-5.70
4	COL8A1	4.26	4	PLIN1	-5.36
5	REG3A	3.81	5	XIST	-5.21
6	SERPINE1	3.75	6	LOC105375977	-4.92
7	CILP2	3.73	7	APCS	-4.43
8	VSIG1	3.65	8	SFRP5	-4.24
9	MUC2	3.61	9	PLIN4	-4.09
10	CCL20	3.40	10	CD36	-3.98
11	ANKRD1	3.39	11	ADIPOQ	-3.86
12	POTEF	3.32	12	TUSC5	-3.67
13	IGLV3-19	3.24	13	UGT2B17	-3.65
14	CLCF1	3.20	14	ADAMTS16	-3.53
15	NPTX1	3.20	15	CIDEA	-3.40
16	IGFBP3	3.19	16	EBF2	-3.37
17	ASPHD2	3.17	17	RBP7	-3.31
18	BARX2	3.09	18	CIDEC	-3.31
19	HLA-DRB1	3.04	19	ABCA9	-3.16
20	IGKV3-15	3.03	20	CLEC4G	-3.11
21	CDH2	3.01	21	LPL	-3.09
22	SPDEF	2.97	22	CMA1	-3.08
23	SERPINB2	2.96	23	PRKAR2B	-3.00
24	SFN	2.96	24	CHST4	-2.99
25	CYP2S1	2.94	25	DCLK1	-2.94
26	IGFBP1	2.93	26	LRRC2	-2.93
27	IGKV3-20	2.92	27	PMP2	-2.92
28	COL8A2	2.91	28	THRSP	-2.91
29	STC1	2.87	29	MYOC	-2.91
30	IGKV1-39	2.85	30	IGLV2-18	-2.87
31	CXCL3	2.85	31	KRT222	-2.81
32	KLHL25	2.84	32	CD209	-2.79
33	HMGCS2	2.81	33	ITM2A	-2.76
34	MFSD2A	2.80	34	RERGL	-2.68
35	IGKC	2.77	35	AQP7	-2.65
36	CREB3L1	2.76	36	RNVU1-18	-2.62
37	ANXA8	2.75	37	CYP1A1	-2.60
38	PTPRR	2.74	38	PTGFR	-2.57
39	IGKV1-5	2.72	39	LRRC17	-2.56
40	SEMA7A	2.72	40	CILP	-2.50
41	LIF	2.72	41	SELENOP	-2.49
42	FBXO32	2.69	42	ABCA10	-2.48
43	FN1	2.67	43	LINC02232	-2.48

44	FXYD3	2.66	44	CYP2C8	-2.47
45	GJB2	2.65	45	F13A1	-2.45
46	FOSL1	2.61	46	MNDA	-2.43
47	PGF	2.60	47	RNU4ATAC	-2.42
48	LINC00668	2.59	48	CTSG	-2.38
49	TMEM158	2.59	49	LOC105370205	-2.32
50	RPL10P9	2.58	50	LOC107985481	-2.29
51	LAMP5	2.55	51	GHR	-2.28
52	IGLV3-10	2.54	52	LIPE	-2.26
53	PRSS21	2.51	53	SNCG	-2.25
54	CACNG4	2.49	54	GPAM	-2.23
55	BHLHA15	2.48	55	PKHD1L1	-2.23
56	CNNM1	2.48	56	XPNPEP2	-2.22
57	LOC107984316	2.47	57	LOC102723809	-2.14
58	PKP2	2.47	58	LMO3	-2.13
59	THBS2	2.47	59	PCOLCE2	-2.12
60	IGLV3-25	2.46	60	FLRT2	-2.12
61	SPHK1	2.45	61	LRRK2	-2.09
62	SCARF2	2.44	62	PRRG3	-2.08
63	GPR3	2.43	63	GGTA1P	-2.08
64	PROM1	2.42	64	CXCL12	-2.07
65	MUC13	2.41	65	NRN1	-2.05
66	MDM2	2.41	66	LOC105377321	-2.05
67	EPS8L1	2.40	67	TLR8	-1.98
68	TACSTD2	2.40	68	LINC01697	-1.98
69	PLAC8	2.39	69	PLAC9	-1.96
70	LOC100420423	2.39	70	SCN9A	-1.95
71	RUNDC3A	2.39	71	HERC2P3	-1.95
72	CGREF1	2.38	72	SLC17A4	-1.94
73	FOXD1	2.38	73	GYPC	-1.94
74	IGLV2-23	2.38	74	COL25A1	-1.93
75	CHST2	2.38	75	TLR3	-1.93
76	WISP1	2.36	76	PTPRD	-1.93
77	PYCR1	2.34	77	CXXC4	-1.92
78	IGLL5	2.34	78	LOC107984428	-1.90
79	PLEKHB1	2.34	79	FXYD1	-1.87
80	SLC17A9	2.34	80	KLHL4	-1.85
81	PDZK1IP1	2.33	81	P2RY13	-1.84
82	PDCD2L	2.30	82	FAM13C	-1.83
83	PMEPA1	2.30	83	F8	-1.83
84	CTSE	2.29	84	C17orf58	-1.81
85	MOXD1	2.29	85	LOC105370569	-1.78
86	DYRK2	2.28	86	SEMA3C	-1.77
87	TSPAN1	2.28	87	FMO2	-1.76
88	MS4A8	2.28	88	WISP2	-1.75
89	TNFRSF11B	2.27	89	WDFY3-AS2	-1.73
90	HIST1H2AL	2.27	90	ACKR4	-1.71
91	OLR1	2.26	91	EMCN	-1.71

92	FAM83D	2.26	92	EPHA7	-1.71
93	IGLV3-1	2.26	93	ARHGAP20	-1.69
94	GPAT2	2.25	94	TIMP4	-1.69
95	MICAL2	2.24	95	RADIL	-1.69
96	MAP7D2	2.23	96	MMP16	-1.69
97	RGPD2	2.21	97	CLIC2	-1.68
98	SLC16A10	2.20	98	PDE1C	-1.67
99	IL17RB	2.19	99	IGDCC4	-1.67
100	ARNT2	2.19	100	GUSBP4	-1.65

**Table S4: List of top 200 differentially expressed genes in
Female GBC compared to control**

Upregulated			Downregulated		
Sl no	Gene	log2FoldChange	Sl no	Gene	log2FoldChange
1	LOC105372647	10.70	1	AMBP	-7.43
2	SOX11	9.62	2	DES	-6.88
3	WDR87	9.60	3	PI16	-6.85
4	FAM133A	9.58	4	VTN	-6.71
5	CDX2	9.57	5	GC	-6.68
6	MAGEA12	9.29	6	MUC5B	-6.54
7	SCEL	9.28	7	LGALS2	-6.47
8	HOXC10	9.15	8	AGT	-5.76
9	PASD1	9.12	9	PAH	-5.68
10	NMU	9.08	10	AKR1B10	-5.41
11	LINC01705	9.03	11	DUOX2	-5.18
12	EPYC	9.01	12	GREM2	-5.15
13	HOXA13	8.95	13	ALDOB	-5.13
14	LOC101060400	8.93	14	CRP	-5.13
15	LOC105371028	8.92	15	SLC9A3	-5.12
16	CACNA1S	8.92	16	AKR7A3	-5.11
17	DSG3	8.83	17	SERPINA5	-5.09
18	SLC6A14	8.82	18	UGT2B15	-5.08
19	LOC100287912	8.73	19	ACTG2	-5.06
20	LOC105374798	8.72	20	SLC13A1	-5.00
21	LOC102723623	8.69	21	HABP2	-4.99
22	LOC105376361	8.69	22	CES1	-4.94
23	LOC105375026	8.69	23	TTR	-4.94
24	ATP1B4	8.64	24	ANXA13	-4.93
25	GOLGA6C	8.64	25	CLU	-4.92
26	LOC105370890	8.63	26	ASGR2	-4.89
27	LOC105376980	8.62	27	SLC30A2	-4.87
28	PCDH11X	8.62	28	CHIT1	-4.86
29	LHFPL3-AS2	8.62	29	SLC15A1	-4.83
30	EN2	8.56	30	FCGBP	-4.68
31	HOXD13	8.53	31	CST4	-4.66
32	GOLGA6L1	8.52	32	GSTA2	-4.59
33	PAX2	8.50	33	C4A	-4.56
34	TRIML2	8.50	34	CA4	-4.54
35	KRT17	8.49	35	SCARA5	-4.54
36	LOC112268221	8.48	36	ADRA2A	-4.50
37	LOC105374062	8.48	37	RDH12	-4.47
38	LOC105372577	8.46	38	CNN1	-4.39
39	SPANXB1	8.44	39	ACE2	-4.37
40	LINC01605	8.43	40	PLA2G2A	-4.36
41	LOC105372639	8.43	41	HSPB6	-4.32
42	LOC105371077	8.41	42	GP2	-4.32

43	EPHA8	8.39	43	VSTM2L	-4.30
44	SPHKAP	8.38	44	GSTA1	-4.28
45	TAF1L	8.38	45	PP7080	-4.28
46	DMBX1	8.37	46	SYT8	-4.27
47	PAX7	8.37	47	MADCAM1	-4.26
48	SNAR-C3	8.37	48	LCN2	-4.24
49	LOC105371466	8.37	49	ALDH1A2	-4.22
50	LRRC74B	8.37	50	CACNA1H	-4.15
51	CCDC190	8.36	51	HLA-DRB4	-4.14
52	LPA	8.34	52	FAM107A	-4.12
53	LINC01206	8.33	53	CLDN2	-4.11
54	ITIH6	8.31	54	IGHA2	-4.10
55	GAGE10	8.30	55	ONECUT1	-4.09
56	HOTTIP	8.30	56	SOX17	-4.07
57	LOC105374270	8.30	57	ABCC2	-4.06
58	FAM71E2	8.29	58	DUOXA2	-4.05
59	LOC105376412	8.28	59	COLEC11	-4.02
60	BAGE2	8.28	60	ADH1B	-4.01
61	LOC101060022	8.27	61	ANPEP	-3.98
62	LOC105370455	8.27	62	RBP4	-3.98
63	DNAJB8	8.27	63	SULT1C4	-3.96
64	C2orf54	8.25	64	TMEM86B	-3.92
65	LOC105377473	8.25	65	HPN	-3.92
66	LYPD4	8.25	66	FBLN5	-3.91
67	CASC8	8.24	67	NGFR	-3.87
68	LOC105374357	8.22	68	PTX3	-3.86
69	LINC01839	8.20	69	SYNM	-3.86
70	FCRL4	8.19	70	TFR2	-3.83
71	LOC105376620	8.18	71	PDZK1	-3.83
72	IRS4	8.18	72	FOSB	-3.83
73	HOXB13	8.17	73	AOX1	-3.83
74	LOC105376214	8.17	74	ECM1	-3.81
75	OPRK1	8.17	75	UCA1	-3.79
76	LOC105372026	8.16	76	KCNJ16	-3.78
77	LOC105372549	8.16	77	LOC101928277	-3.76
78	LOC112268183	8.15	78	PODN	-3.71
79	LINC01789	8.14	79	SYNPO2	-3.70
80	GPR87	8.14	80	LOC105369230	-3.69
81	ARGFX	8.14	81	C8G	-3.68
82	SIX3	8.13	82	MUC20	-3.67
83	LINC02286	8.11	83	CYP4F11	-3.66
84	PRDM9	8.11	84	AKR1C4	-3.66
85	PRSS47	8.11	85	CLEC3B	-3.65
86	PRDM7	8.10	86	WFDC1	-3.63
87	HOXA11	8.10	87	CASR	-3.62
88	HOXC6	8.10	88	TM4SF4	-3.61

89	IL36RN	8.10	89	MUC3A	-3.59
90	SLCO1B3	8.10	90	LMOD1	-3.59
91	LOC107984019	8.09	91	KCNK5	-3.56
92	NCAN	8.05	92	GPX3	-3.56
93	FABP7	8.05	93	LINC00261	-3.56
94	ESPNP	8.05	94	PCK1	-3.55
95	LOC105372252	8.04	95	KLK11	-3.55
96	KIRREL2	8.03	96	PIGR	-3.54
97	TEX13D	8.02	97	SLC4A4	-3.52
98	C17orf77	8.02	98	GABRB3	-3.50
99	FAR2P1	8.01	99	ZBTB16	-3.50
100	LOC105378901	8.01	100	SERPINA4	-3.49

Table S5: Filtered genelist of Brown module

SI no	Gene	Intramodular Connectivity	Module Membership	Gene Significance with respect to histopathological grade	q.Weighted
1	TPX2	89.41	0.97	0.70	2.06512E-06
2	CENPF	89.05	0.95	0.63	4.44402E-05
3	KIF14	88.20	0.96	0.53	0.00065634
4	KIF4A	88.09	0.97	0.60	3.66168E-05
5	TOP2A	87.24	0.95	0.68	5.70629E-06
6	IQGAP3	87.17	0.97	0.61	5.66237E-05
7	CLSPN	86.14	0.97	0.55	0.000324351
8	ANLN	84.52	0.96	0.73	1.00551E-06
9	CENPE	83.77	0.95	0.54	0.000564134
10	BUB1B	83.67	0.96	0.70	4.45494E-06
11	CIP2A	82.85	0.96	0.60	0.000143054
12	KIF23	82.75	0.96	0.67	9.70972E-06
13	CENPK	82.32	0.95	0.64	5.93586E-05
14	MELK	81.96	0.96	0.71	2.85036E-06
15	BUB1	80.68	0.95	0.68	3.35347E-06
16	CCNA2	80.36	0.96	0.65	3.34346E-05
17	CDCA2	80.10	0.96	0.58	0.000152649
18	DLGAP5	78.86	0.94	0.60	7.92341E-05
19	PRC1	78.75	0.94	0.72	2.5268E-06
20	ATAD2	78.48	0.95	0.63	4.60368E-05
21	NUSAP1	77.39	0.94	0.68	1.78832E-05
22	CDK1	76.97	0.94	0.65	1.9699E-05
23	NDC80	76.73	0.94	0.65	1.65137E-05
24	HMMR	75.36	0.93	0.66	1.53966E-05
25	GINS1	73.77	0.94	0.59	7.60458E-05
26	KIF20A	73.58	0.95	0.66	4.99718E-06
27	CKAP2L	73.35	0.93	0.60	0.000572492
28	HJURP	72.71	0.94	0.67	6.38002E-06
29	KNL1	72.28	0.92	0.63	0.000214049
30	CCNB2	72.07	0.93	0.72	2.46936E-06
31	BRCA1	71.43	0.93	0.55	0.000693886
32	MCM10	71.31	0.94	0.65	1.53506E-05
33	BIRC5	71.22	0.94	0.67	7.73277E-06
34	DTL	69.00	0.93	0.63	0.000101134
35	NCAPG	68.72	0.92	0.53	0.000337832
36	KIF18B	68.51	0.94	0.55	0.000513909
37	NUF2	68.16	0.91	0.56	0.00037325
38	TTK	66.83	0.91	0.54	0.000430871
39	ERCC6L	66.16	0.91	0.58	0.000582435
40	MAD2L1	65.05	0.91	0.59	0.000118123
41	STIL	64.88	0.92	0.54	0.00098206
42	SMC4	64.38	0.91	0.68	5.48344E-05
43	KIF2C	64.11	0.92	0.61	2.20342E-05
44	KIF11	63.90	0.90	0.61	7.24916E-05
45	CDC45	63.89	0.93	0.59	0.000279628
46	CDCA5	63.59	0.93	0.66	5.59662E-06
47	CCNB1	62.80	0.91	0.65	5.14958E-06
48	ZWILCH	62.76	0.89	0.65	0.000101202
49	FANCI	62.70	0.91	0.62	7.4789E-06
50	CDC6	62.66	0.91	0.60	7.76839E-05
51	MKI67	62.62	0.90	0.73	2.3183E-06
52	PRR11	61.58	0.92	0.68	9.09196E-06
53	RAD51	59.42	0.92	0.69	1.38099E-05

54	GTSE1	59.30	0.92	0.54	0.000496528
55	RRM2	58.97	0.91	0.61	9.42316E-05
56	CDCA8	58.62	0.90	0.64	4.12299E-05
57	UBE2C	58.26	0.90	0.66	4.57159E-06
58	CDCA3	57.52	0.92	0.51	0.000634342
59	SHCBP1	56.79	0.91	0.68	9.45053E-06
60	TYMS	56.78	0.91	0.66	6.08279E-06
61	PTTG1	56.22	0.90	0.61	9.36924E-05
62	CEP55	55.47	0.90	0.66	6.14739E-05
63	DSCC1	54.51	0.91	0.52	0.000621294
64	RACGAP1	53.93	0.91	0.51	0.000460381
65	ZWINT	53.64	0.89	0.65	9.93971E-06
66	MYBL2	53.62	0.90	0.73	6.62329E-07
67	KIF20B	53.53	0.86	0.54	0.000417414
68	SPC24	53.17	0.90	0.58	3.14509E-05
69	GINS2	53.08	0.90	0.71	1.79176E-05
70	ECT2	53.01	0.89	0.72	1.32721E-05
71	E2F1	51.62	0.90	0.61	8.92546E-05
72	TRIP13	51.59	0.88	0.67	2.2741E-05
73	CDKN3	51.34	0.87	0.57	0.000686317
74	AURKB	51.15	0.90	0.61	4.76601E-05
75	ORC6	49.49	0.88	0.62	2.65506E-05
76	CKS2	48.42	0.86	0.68	4.35213E-06
77	MND1	47.55	0.87	0.61	0.000355088
78	CDC20	46.84	0.89	0.65	5.11964E-06
79	RFC4	44.41	0.87	0.60	4.06878E-05
80	PLK1	44.39	0.87	0.66	2.27822E-06
81	FOXM1	43.46	0.87	0.70	1.39231E-06
82	SERPINB5	42.31	0.86	0.71	0.000287179
83	SPAG5	42.07	0.88	0.60	0.000499254
84	CENPL	40.73	0.84	0.52	0.000682689
85	BLM	40.51	0.84	0.50	0.000805984
86	TEDC2	37.07	0.86	0.60	0.000195915
87	POC1A	35.90	0.85	0.60	0.000281627
88	CENPW	33.34	0.82	0.59	0.000320019
89	SAPCD2	31.18	0.83	0.62	3.61038E-05
90	UHRF1	30.99	0.83	0.71	1.87973E-05
91	TK1	30.24	0.82	0.73	1.39991E-05
92	FBXO5	29.01	0.81	0.62	0.000702208
93	TOPBP1	28.94	0.77	0.65	0.000419795
94	SPDL1	28.60	0.79	0.64	0.000618976
95	LMNB1	28.35	0.82	0.58	0.000511461
96	CCNF	27.83	0.82	0.56	0.000807126
97	CHEK2	27.15	0.83	0.56	0.000219645
98	CDC25A	22.33	0.78	0.55	0.000884401
99	LOC101060400	21.75	0.77	0.73	0.000122762
100	MASTL	21.43	0.75	0.59	0.000979849
101	NUDCD1	21.07	0.77	0.72	1.21885E-05
102	ASCC3	20.79	0.73	0.67	7.40858E-05
103	HASPIN	20.08	0.77	0.50	0.000355337
104	ARNTL2	19.37	0.77	0.73	2.27322E-05
105	CDCA4	17.91	0.75	0.63	0.000301733
106	DBF4	17.60	0.73	0.63	0.00021547
107	MYEOV	17.43	0.76	0.57	0.000386671
108	C11orf80	15.61	0.74	0.53	0.000922748
109	CCNE1	14.76	0.72	0.65	0.000338794
110	ERI1	6.76	0.61	0.82	1.68957E-05