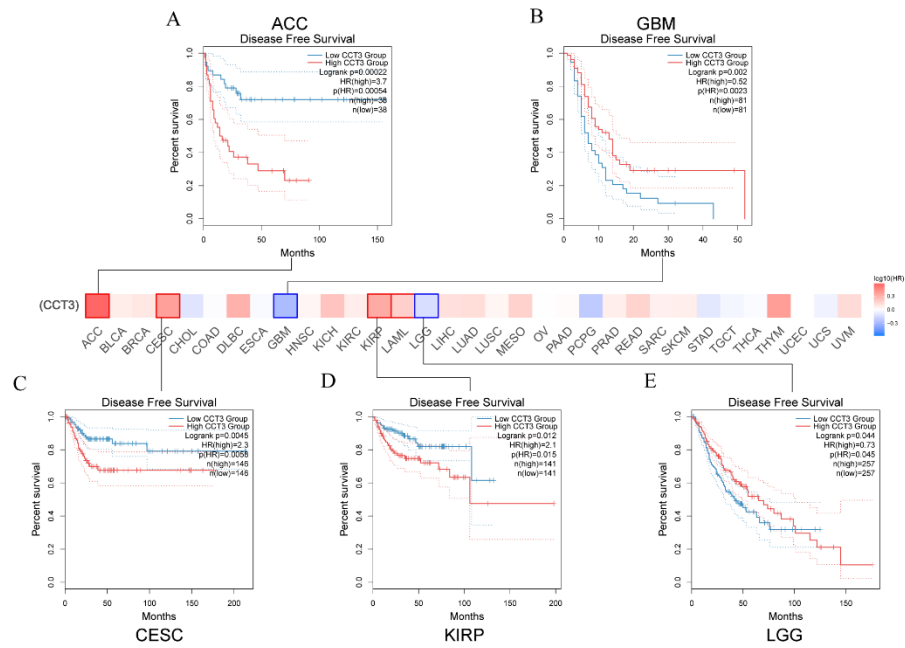
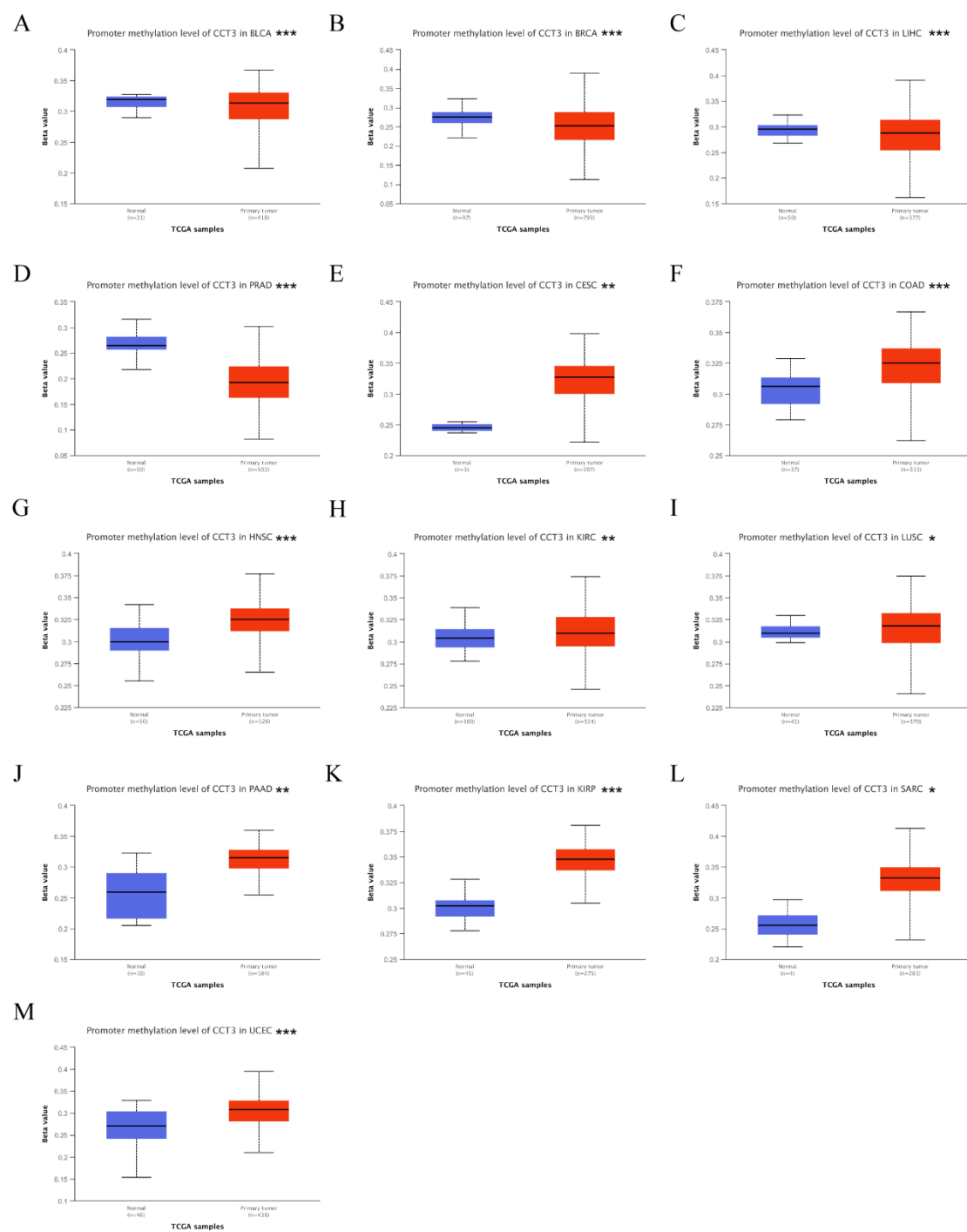




Supplementary Figure S1. Correlation between CCT3 gene expression and disease-free survival (RFS) of cancers in TCGA. The mRNA expression of CCT3 in cancers was divided into high and low groups according to the median in GEPIA2. The survival map and Kaplan-Meier curves with positive results are given. (A)ACC; (B)GBM; (C)CESC; (D)KIRP and (E)LGG.



Supplementary Figure S2. Promoter methylation level of CCT3 in pan-cancers. These results were obtained from the UALCAN database. The promoter methylation level of CCT3 was significantly decreased in BLCA, BRCA, LIHC and PRAD(A-D), but it was decreased in CESC, COAD, HNSC, KIRC, KIRP, LUSC, PAAD, SARC and UCEC (E-L) than that in normal tissues. * $p < 0.05$, ** $p < 0.01$ and *** $p < 0.001$.

Gene1	Gene2	expression status in LIHC
CCT3	hsa-miR-105-5p	up
CCT3	hsa-miR-128-3p	up
CCT3	hsa-miR-324-3p	up
CCT3	hsa-miR-149-5p	ns
CCT3	hsa-miR-1913	ns
CCT3	hsa-miR-3681-3p	ns
CCT3	hsa-miR-3064-5p	ns
CCT3	hsa-miR-216a-3p	ns
CCT3	hsa-miR-24-3p	down
CCT3	hsa-miR-33a-5p	down
CCT3	hsa-miR-223-3p	down
CCT3	hsa-miR-33b-5p	down
hsa-miR-24-3p	AC008966.1	up
hsa-miR-24-3p	PAXIP1-AS1	up
hsa-miR-24-3p	LINC00909	up
hsa-miR-24-3p	SLC25A5-AS1	up
hsa-miR-24-3p	LINC00893	up
hsa-miR-24-3p	AL445231.1	up
hsa-miR-24-3p	IPO9-AS1	up
hsa-miR-24-3p	EXTL3-AS1	up
hsa-miR-24-3p	CEBPA-AS1	up
hsa-miR-24-3p	LINC01184	up
hsa-miR-33b-5p	AC104083.1	down
hsa-miR-33b-5p	GAS1RR	down
hsa-miR-33b-5p	AC018645.2	up
hsa-miR-33b-5p	AC010533.1	up
hsa-miR-33b-5p	FGD5-AS1	up
hsa-miR-33b-5p	NFYC-AS1	up
hsa-miR-33b-5p	ZNF503-AS2	up
hsa-miR-33b-5p	KCNQ1OT1	up
hsa-miR-33b-5p	AC020917.4	up
hsa-miR-33b-5p	AC106886.4	up
hsa-miR-105-5p	MIR29B2CHG	up
hsa-miR-105-5p	GAS5	up
hsa-miR-105-5p	EPB41L4A-AS1	up
hsa-miR-105-5p	SNHG7	up
hsa-miR-105-5p	MAGI2-AS3	down
hsa-miR-105-5p	AL049840.4	up
hsa-miR-105-5p	IQCH-AS1	up
hsa-miR-105-5p	AC040977.1	up
hsa-miR-105-5p	AC005034.3	up
hsa-miR-105-5p	SCAMP1-AS1	up

hsa-miR-223-3p	AC008124.1	up
hsa-miR-223-3p	ZNF561-AS1	up
hsa-miR-223-3p	EPB41L4A-AS1	up
hsa-miR-223-3p	PITPNA-AS1	up
hsa-miR-223-3p	LRRC75A-AS1	up
hsa-miR-223-3p	FGD5-AS1	up
hsa-miR-223-3p	AL050341.2	up
hsa-miR-223-3p	AC242426.2	up
hsa-miR-223-3p	AC004812.2	up
hsa-miR-223-3p	MINCR	up
hsa-miR-128-3p	MIR29B2CHG	up
hsa-miR-128-3p	RBPM5-AS1	up
hsa-miR-128-3p	NEAT1	up
hsa-miR-128-3p	MAGI2-AS3	down
hsa-miR-128-3p	LINC00346	up
hsa-miR-128-3p	HLA-F-AS1	up
hsa-miR-128-3p	HCP5	up
hsa-miR-128-3p	AL158152.1	up
hsa-miR-128-3p	AC010533.1	up
hsa-miR-128-3p	AC091563.1	up
hsa-miR-324-3p	AL162586.1	up
hsa-miR-324-3p	MIR29B2CHG	up
hsa-miR-324-3p	AC073548.1	up
hsa-miR-324-3p	AC069281.2	up
hsa-miR-324-3p	LINC00963	up
hsa-miR-324-3p	CARMN	up
hsa-miR-324-3p	SNHG7	up
hsa-miR-324-3p	NEAT1	up
hsa-miR-324-3p	AP002761.4	up
hsa-miR-324-3p	SNHG22	up
hsa-miR-33a-5p	AC104083.1	down
hsa-miR-33a-5p	FGD5-AS1	up
hsa-miR-33a-5p	GAS1RR	down
hsa-miR-33a-5p	AC010533.1	up
hsa-miR-33a-5p	AC023509.1	up
hsa-miR-33a-5p	AC025171.1	up
hsa-miR-33a-5p	C9orf106	up
hsa-miR-33a-5p	NEAT1	up
hsa-miR-33a-5p	NEAT1	up
hsa-miR-33a-5p	AC018645.2	up

Supplementary Table S1. Details of all miRNAs and lncRNAs in the CCT3-centred ceRNA network.