Supplemental Figure S1

A

Segment: 2
Hg19: chr7:55677806-56117062
Direction: Clockwise

B

Copy count 100.25

C

eccDNA gene list

| eccDNA segment | Gene | Gene locus (strand) | Overlap size | eccDNA ratio % | Gene ratio % | Ensembl gene | Gene type |
|----------------|------|---------------------|--------------|----------------|--------------|--------------|----------|
| chr7:55677806-56117062 | RPI1-310H4.6 | chr7:55724461-55746183 (+) | 21722 | 0.049 | 1 | ENSG00000231317.1 | u1 |
| chr7:55677806-56117062 | FKBP9P1 | chr7:55748767-55780945 (+) | 32178 | 0.073 | 1 | ENSG00000076826.15 | tr |
| chr7:55677806-56117062 | SEPTIN14 | chr7:55861233-55930448 (+) | 69215 | 0.16 | 1 | ENSG00000154997.9 | pi |
| chr7:55677806-56117062 | NFDSNP2 | chr7:56019486-56067874 (+) | 48388 | 0.11 | 1 | ENSG00000146729.10 | pi |
| chr7:55677806-56117062 | PSHP1 | chr7:55832490-55840981 (+) | 8491 | 0.019 | 1 | ENSG00000226278.1 | u1 |
| chr7:55677806-56117062 | ZNF713 | chr7:55955149-56010223 (+) | 55074 | 0.13 | 1 | ENSG00000178665.16 | pi |

D

New cancer eccDNA gene expression profile (CCUS)

E

Network graph with nodes labeled VOPP1, LANCL2, ZNF713, SEPT14, RPMS17, GBAS, and ENSG00000239789.