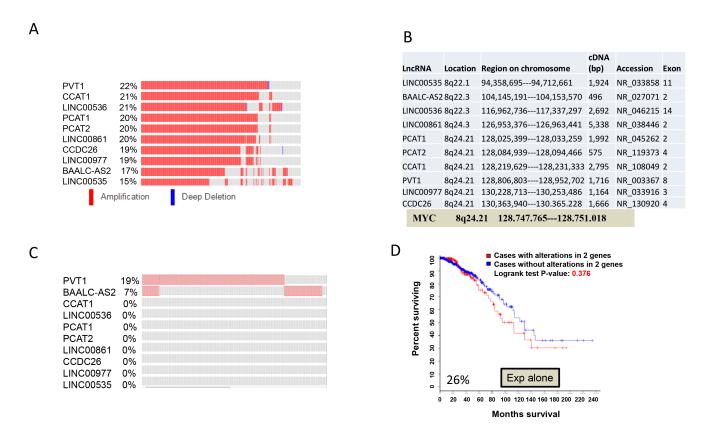
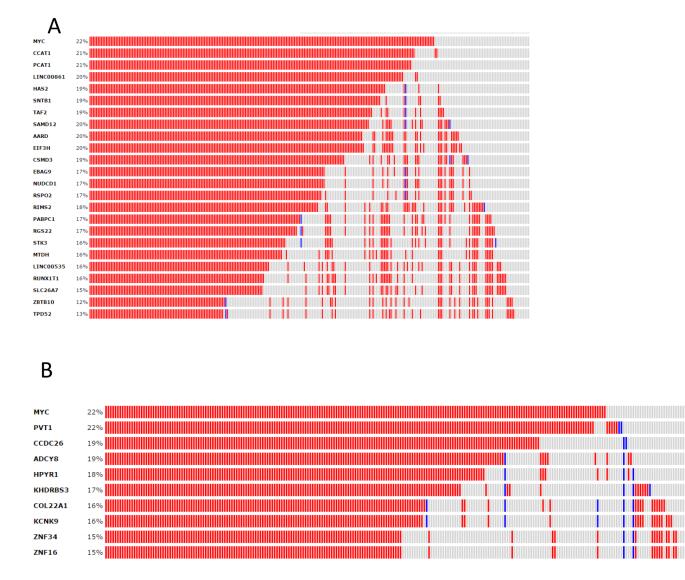
# SUPPLEMENTARY FIGURES AND TABLES

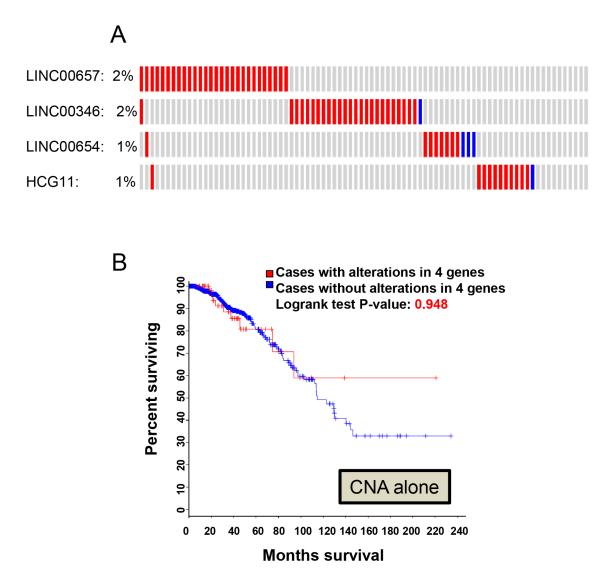


# **Supplementary Figure S1: Alterations in copy number and RNA expression for lncRNAs associated with poor OS. A.** Relative alteration frequency of copy number for 10 lncRNAs. **B.** Listed 10 lncRNAs with location, cDNA size and accession numbers. **C.** Only 2 lncRNAs (PVT1 and BAALC-AS2) revealed alterations of RNA expression. **D.** Association between expression of PVT1 and BAALC-AS2 and OS is not significant.

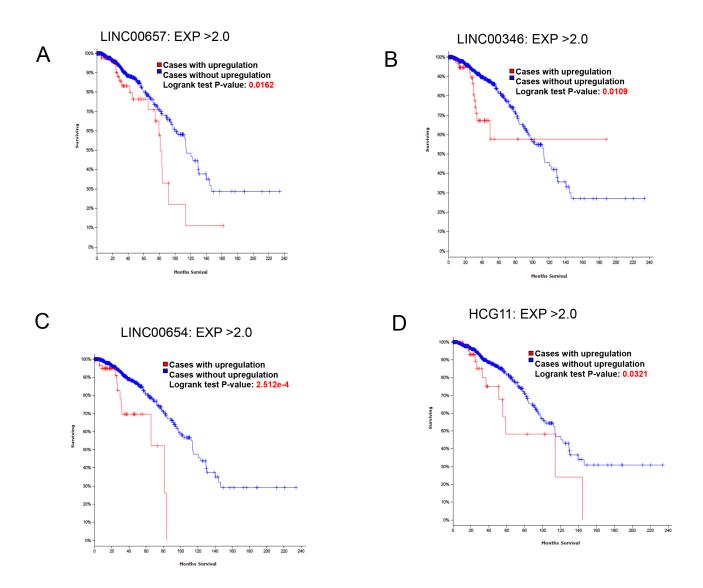
#### www.impactjournals.com/oncotarget/



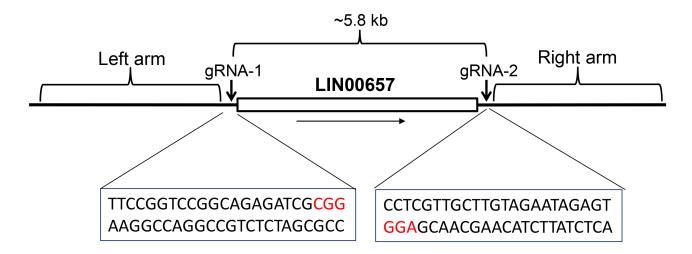
**Supplementary Figure S2: Alterations in copy-number of lincRNAs related to Myc. A.** Relative alteration frequency of copy number toward right side of Myc. **B.** Relative alteration frequency of copy number toward left side of Myc.



**Supplementary Figure S3: Alterations in copy number of lncRNA signature 2. A.** Relative frequency of CNA for 4 lncRNAs. **B.** Association between CNA and OS is not significant.

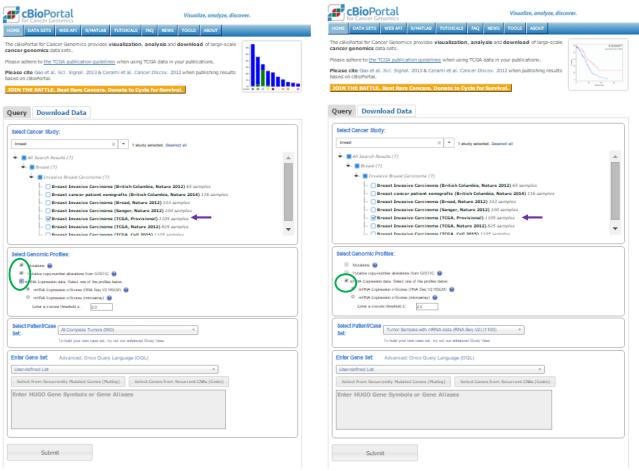


Supplementary Figure S4: Association of 4 individual lncRNAs with OS.



Supplementary Figure S5: A strategy for generation of LIN00657 knockout by CRISPR/Cas9. Two gRNA sequences are shown in bottom; PAM motifs are shown in red.

## Primary search with default setting



Supplementary Figure S6: Datamining with primary search with default setting and search for expression only (RNA-seq).

### Search with expression (RNA-seq)

### Supplementary Table S1: IncRNAs used for primary search

See Supplementary File 1

# Supplementary Table S1a: Primers used in this study

For detection	
LINC00657-RT-5.1	AAAGAGGTTGCCGACGTATG
LINC00657-RT-3.1	CAGGTCTTCCAGCTCCATGT
LINC00657-RT-5.2	GCAGGAGAATCGCTTGAACT
LINC00657-RT-3.2	ATTCCCAAATGCAACCACTC
For dual gRNA	
LINC00657-T1A	TTCCGGTCCGGCAGAGATCG
LINC00657-T2A	ACTCTATTCTACAAGCAACG
For donor vector	
LINC00657-right-Sal1-5.1	TCTTATCATGTCTGGTCGACTCCTTCATGCTTGGGCTCTG
LINC00657-right-Sal1-3.1	TTGATATCACCGGTGTCGACGCTGTGTGTGTCAGGCATTACG
LINC00657-left-Spe-5.1	CGACGGCCAGTGAAACTAGTCCCTGGCATAAGTCCCTATC
LINC00657-left-Spe-3.1	CCTGTACAGGTACCACTAGTGACTTGGCAGTTCTCTGCGC

### Supplementary Table S2: Alterations of IncRNAs and their frequeny

See Supplementary File 2

# Supplementary Table S3: Distribution of IncRNAs aroung 8q24

See Supplementary File 3

### Supplementary Table S4: Cases with recurrence in red

See Supplementary File 4

### Supplementary Table S5: LncRNAs associated with disease free survival

See Supplementary File 5

### Supplementary Table S6: Alterations of IncRNAs associated with ER, PR and HER-2

See Supplementary File 6