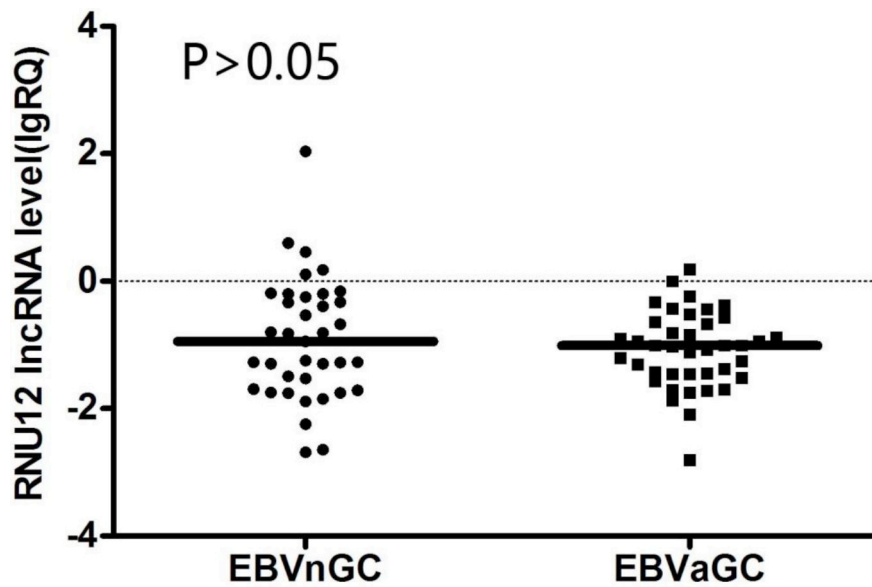
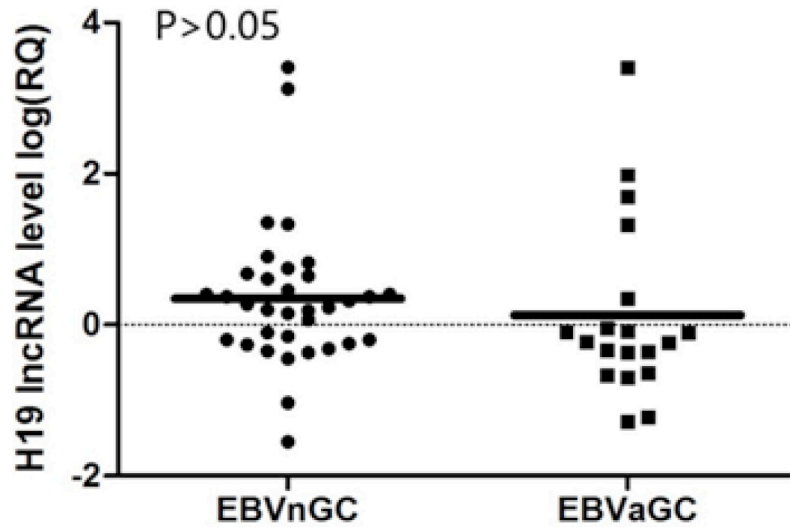


## SNHG8 is identified as a key regulator of epstein-barr virus(EBV)--associated gastric cancer by an integrative analysis of lncRNA and mRNA expression

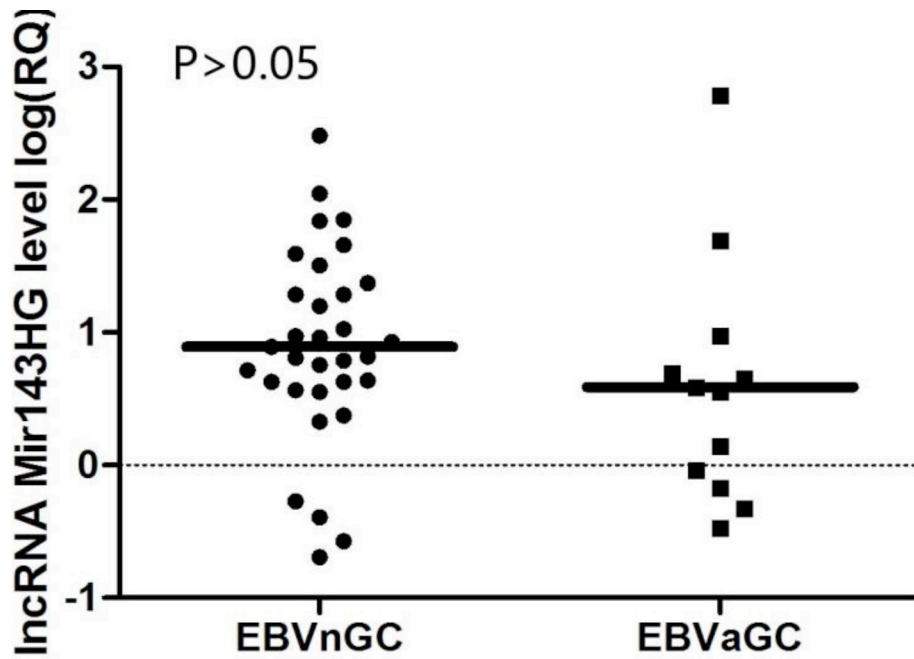
### Supplementary Materials



Supplementary Figure S1: Distribution of RNU12 lncRNA levels in EBVnGC and EBVaGC. Bold lines represent the mean value for each patient cohort;  $RQ=2^{-\Delta\Delta Ct}$ .



Supplementary Figure S2: Distribution of H19 lncRNA levels in EBVnGC and EBVaGC. Bold lines represent the mean value for each patient cohort;  $RQ=2^{-\Delta\Delta Ct}$ .



Supplementary Figure S3: Distribution of MIR143HG lncRNA levels in EBVnGC and EBVaGC. Bold lines represent the mean value for each patient cohort;  $RQ=2^{-\Delta\Delta Ct}$ .

**Supplementary Table S1: Primer and product of LncRNAs**

GENE	Forward primer	Reverse primer	Product	AnnealT
SNHG8	AAGTTTACAAGCATGCGCGG	TCAAACCTGACGGTTCTCGGG	223 bp	60°C
RNU12	ATAACGATTCGGGGTGACGC	ACCTTGAGGGCGACCTTTAC	80 bp	55°C
H19	ATCGGTGCCTCAGCGTTCGG	CTGTCCTCGCCGTCACACCG	145 bp	60°C
MIR143HG	AGAAGACAGAGGTCCCCCAC	CAGTTTTACCTGGCGGCTCT	135 bp	60°C
$\beta$ -actin	GCGTGACATTAAGGAGAAGC	CCACGTCACACTTCATGATGG	236 bp	60°C

**Supplementary Table S2: Pathological features of gastric carcinoma for RNA sequencing and validated samples**

Pathological parameters	RNA sequencing samples	Validated samples
<b>Sex</b>		
male	2	69
female		19
<b>Age</b>		
< 60		48
$\geq$ 60	2	40
<b>Location</b>		
EGJ <sup>a</sup>		21
Non-EGJ	2	67
<b>Depth of invasion</b>		
< T2		12
$\geq$ T2	2	76
<b>Lauren's type</b>		
Intestinal-type		28
diffuse-type	2	60
<b>Tumor Size</b>		
< 5 cm		42
$\geq$ 5 cm	2	46
<b>TNM stage</b>		
I+II		23
III+IV	2	65
<b>LN metastasis</b>		
absent		24
present	2	64
<b>EBV infection</b>		
absent	1	49
present	1	39