

Supplementary Data

Sequence of the CpG/UpA-minimised luciferase gene (I):

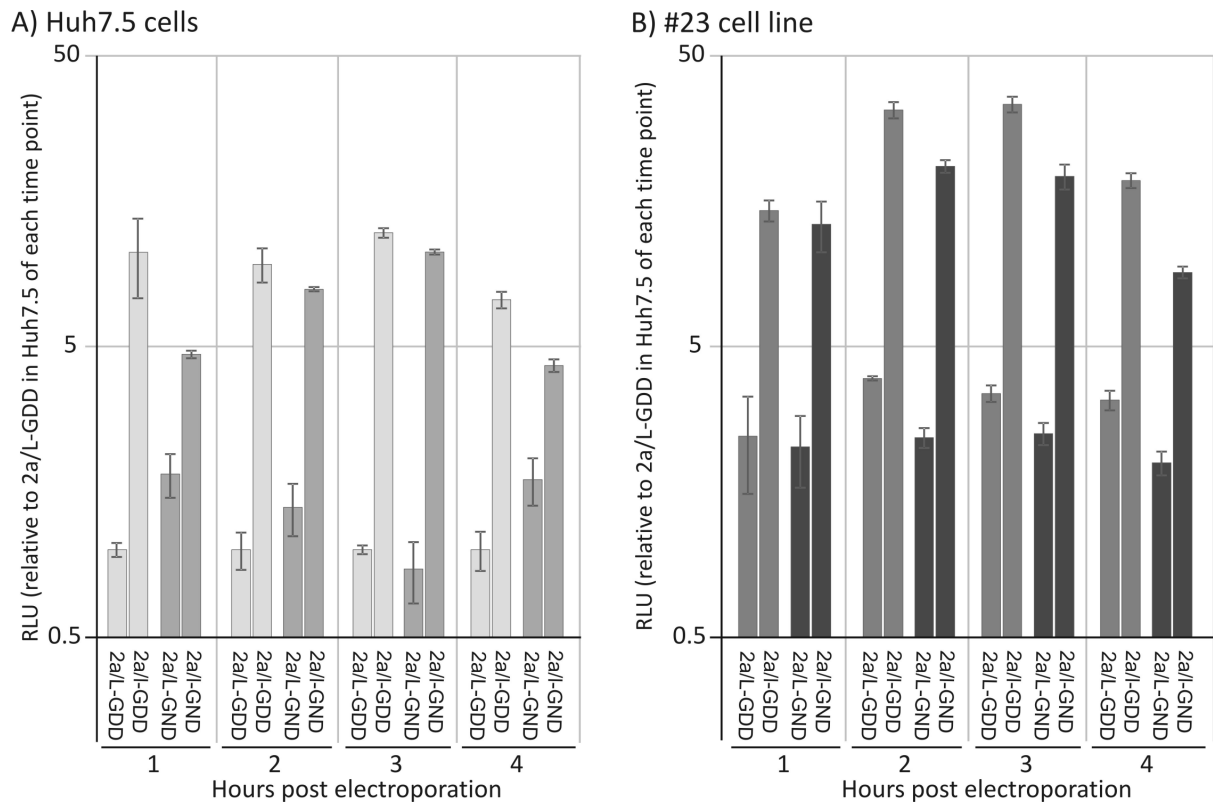
>Luc_CGUAL

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Unique restriction sites at the 5' end (*AscI*) and 3' end (*PmeI*) underlined.

Fig. S1

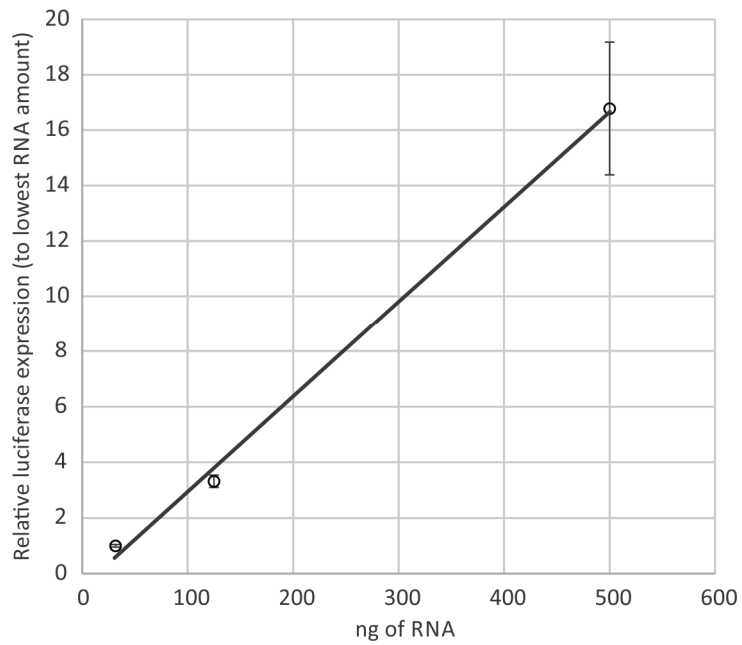
Expression of luciferase at early time points post-transfection from
Replication competent and defective genotype 2a replicons



Luciferase expression in (A) Huh7.5 cells and (B) #23 cells after electroporation of genotype 2a replicons with WT and CpG/UpA-minimised luciferase gene sequences; y-axis scale is normalised to luciferase expression by 2a/L-GDD. Error bars depict SEMs.

Fig. S2

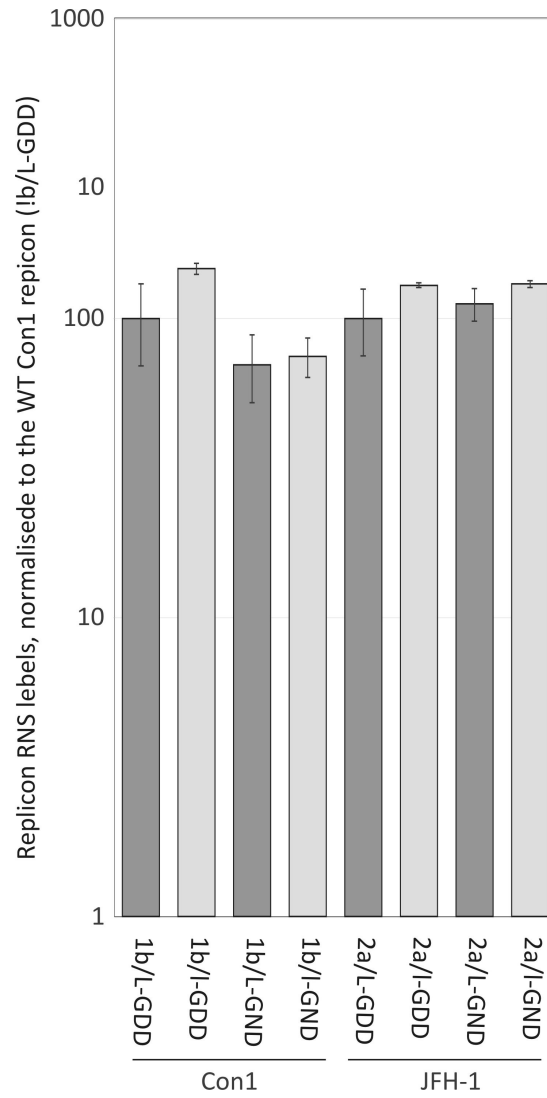
Effect of replicon RNA amount on luciferase detection



Translation of 1b/L-GND using 4 times less and 4 times more than the amount used in the comparison of different replicons (Figure 6) in a rabbit reticulocyte assay. Luciferase expression was measured after a 30 minute incubation time. Shown are the average of two replicates for each replicon; error bars show standard deviations.

FIGURE S3

Stability of HCV replicon RNA post transfection



Quantitative PCR for HCV RNA at hours post-transfection for genotype 1b (Con1) and 2a (JFH-1) replicons. Values have been normalised to the RNA level of the Con1 WT replicon (1.0; y-axis). Error bars show standard deviations