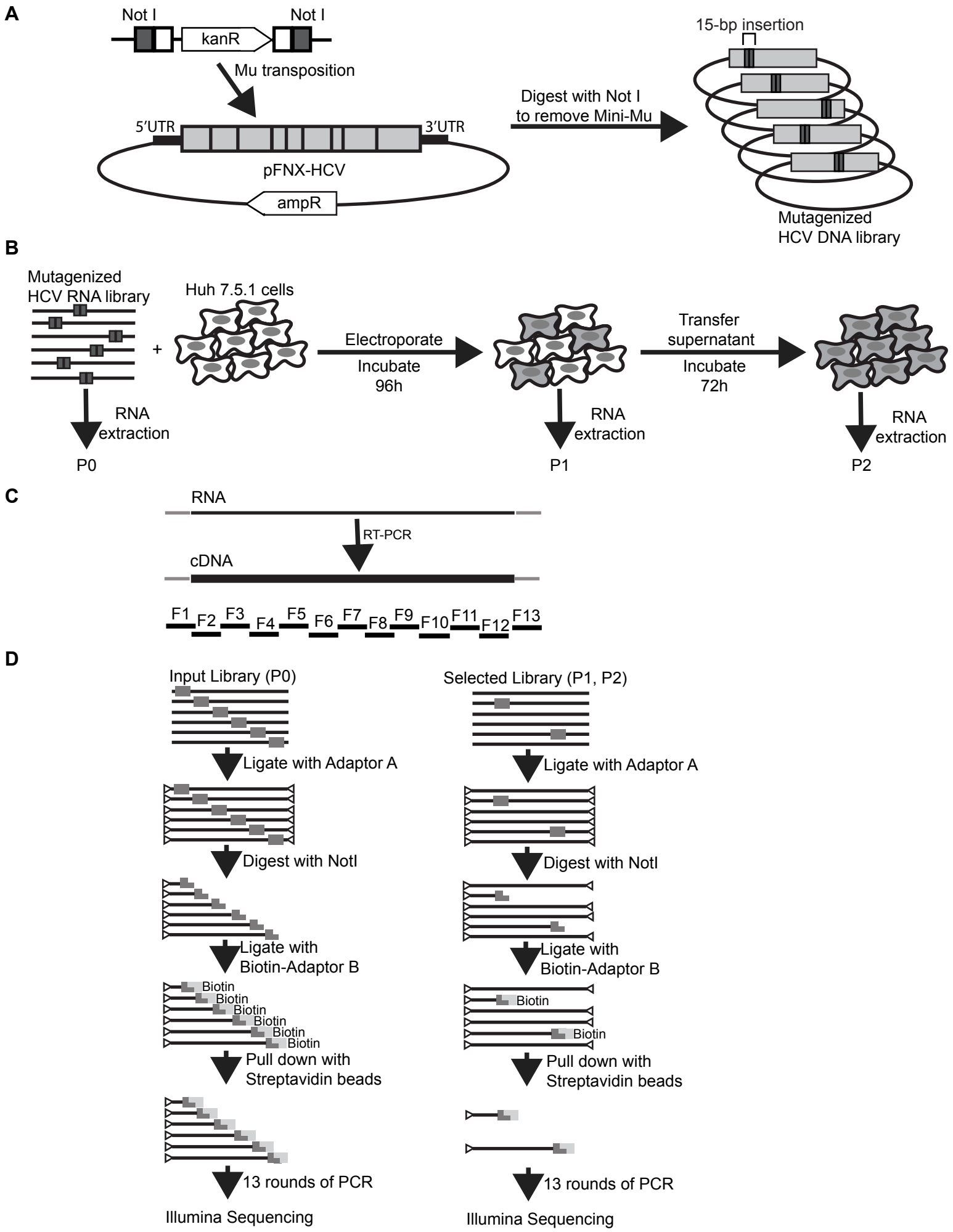
A
Not I
kanR
Not I
Mu transposition
5′UTR
3′UTR
pFNX-HCV
ampR
Digest with Not I
to remove Mini-Mu
15-bp insertion
Mutagenized
HCV DNA library
B
Mutagenized
HCV RNA library
Huh 7.5.1 cells
+
Electroporate
Incubate
96h
Transfer
supernatant
Incubate
72h
RNA
extraction
P0
P1
P2
C
RNA
RT-PCR
cDNA
F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12 F13
D
Input Library (P0)
Selected Library (P1, P2)
Ligate with Adaptor A
Digest with NotI
Ligate with
Biotin-Adaptor B
Biotin
Pull down with
Streptavidin beads
13 rounds of PCR
Illumina Sequencing