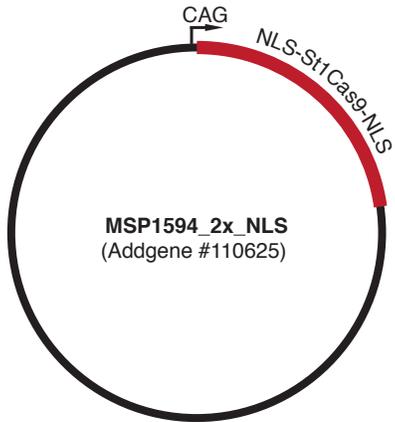
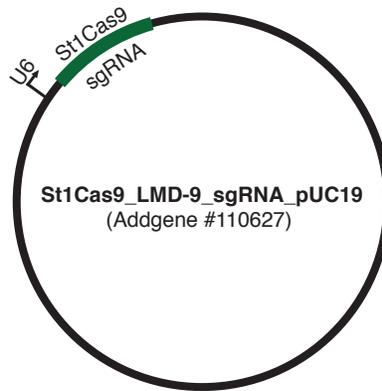


Plasmids for *in vitro* genome editing

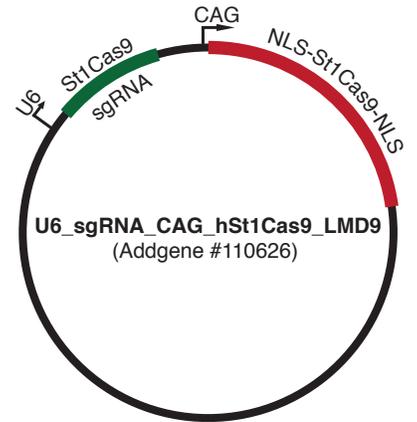
Mammalian expression vector for St1Cas9 LMD-9



hU6-driven sgRNA expression plasmid for St1Cas9 LMD-9

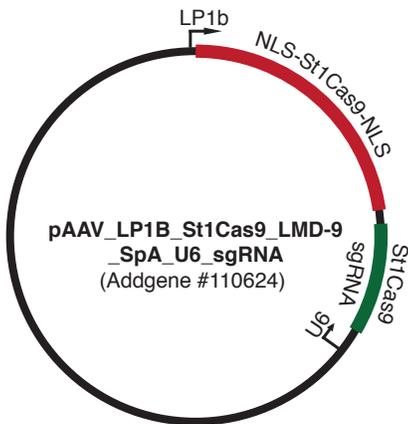


Dual expression vector for St1Cas9 LMD-9 and its sgRNA



Plasmid for *in vivo* genome editing

Single AAV vector with a liver-specific promoter to express St1Cas9 LMD-9 and its hU6-driven sgRNA



Cloning

- The guide $N_{(x)}$ can vary in size between 19 and 22.
- Annealed oligonucleotides must have the indicated overhangs.
- sgRNA expression cassettes are linearized by digestion with BsmBI.

