

Table S3. Primer combinations used for the construction of recombinant viruses.

Construct	Primer names
TEV Δ Nlb::LbCas12a	D2521 + D2508 (template: pcDNA3.1::hLbCpf1)
PVX::crFT	D3591+ D3592 (no template)
PVX::crXT1:crFT	D4037 + D4038 D4036 + D3536 (template: pBPVX::crFT)
PVX::Nlb:crFT	D3710 + D3711 (template: pGTEVa) D3712 + D3713