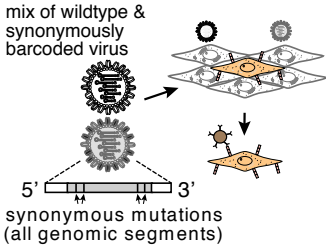
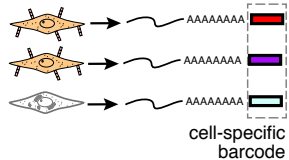


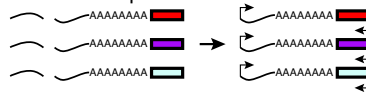
A Infect A549 reporter cells and enrich for IFN+



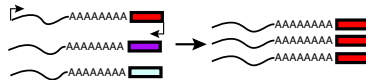
B Generate barcoded cDNA with 10X Chromium



C Fragmentation and Illumina 3'-end sequencing of entire transcriptome



D Flu-specific PCR and full-length PacBio sequencing



E Analyze data to count all transcripts and determine full sequences of viruses for each cell

Cell	IFNB1	Host gene A	...	M	NS	Infected?	Influenza genotype
A	0	15		0	0	no	none
B	0	13		80	77	yes	wild type
C	12	11		52	0	yes	Δ NS
D	0	18		13	9	yes	NA-A470G
E	21	19		68	57	yes	PB1-A1786C