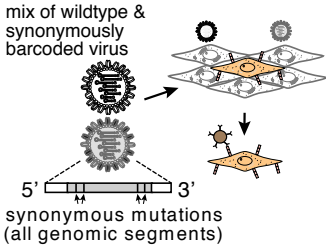
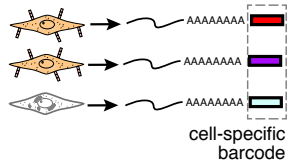


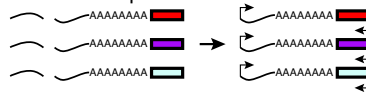
A Infect A549 reporter cells and enrich for IFN+



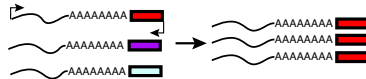
B Generate barcoded cDNA with 10X Chromium



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	Infection state	Influenza genotype
A	0	15	...	0	0	N.D.	N.D.
B	10	20	...	80	0	Inf.	PB1-A1786C
C	12	21	...	99	94	Inf.	Wild-type
D	0	10	...	50	45	Coinf.	Wild-type / PA-Δ386-863