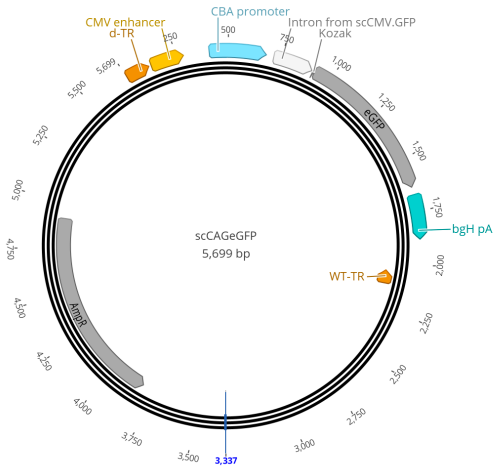
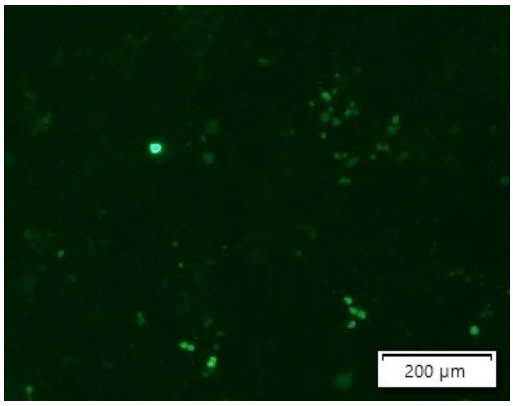
AAV Batch #1
Serotype: K912
GOI: pAAV-scCAG-eGFP

Plasmid map:



Packaging protocol:
[Describe protocol here] Barcoded AAVs were packaged using a triple transfection method in adherent cells (Packgene).

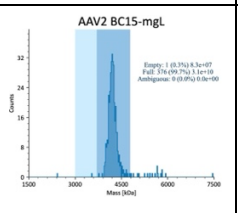
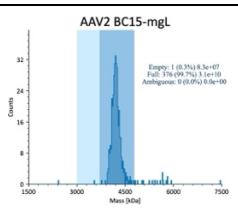
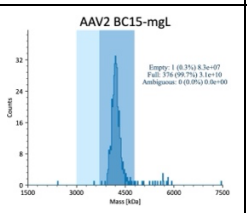
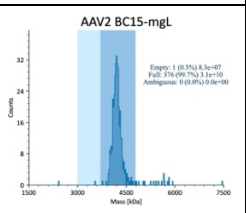
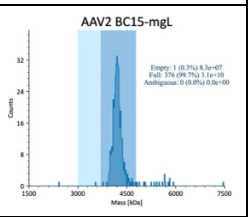
In vitro infectivity test:
[Describe protocol here] 1 uL of packaged virus was used to infect 1 well of a 6-well plate containing HEK293 cells at 70% confluency.



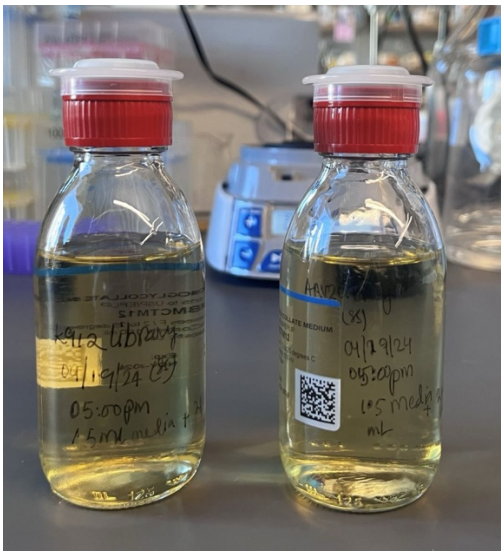
Titering:
[Protocol here]

AAV construct	Titer
AAV2-CAG-BC15_1 mgL	1.00E+11
AAV2-CAG-BC29_2 mgL	1.00E+12
AAV2-CAG-BC50_1 mgL	2.13E+11
AAV2-CAG-BC62_ mgL	2.34E+12
AAV2-CAG-BC88_1 mgL	1.39E+11

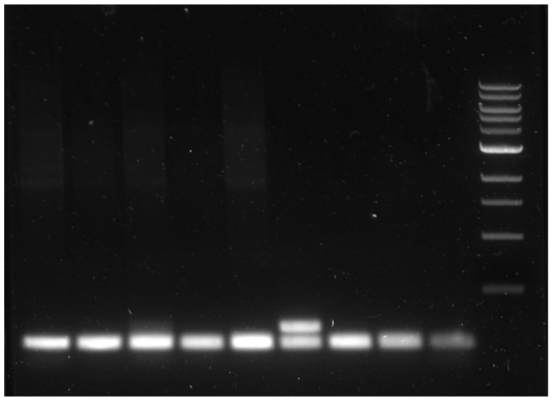
Mass photometry:

	Construct 1	Construct 2	Construct 3	Construct 4	Construct 5
					
% full	99.7				
% empty	0.3				
% ambiguous	0.0				

Fungal and bacterial contamination:
[Protocol here]
1 µL of purified AAV was tested in xxmL of FTM media, culturing at xxC for XX days. Media was clear and free of contamination.



Mycoplasma:
[Protocol here]



Mycoplasma -

Lane1: AAV8 BC8,
Lane2: AAV8 BC11,
Lane3: AAV8 BC12,
Lane4: AAV8 BC13,
Lane5: AAV8 BC15,
Lane6: +ve control,
Lane7: -ve control

Endotoxin:
[Protocol here]

AAV8-BC8	1:500	71.3 EU/mL	94%
AAV8-BC12	1:500	129 EU/mL	161%
AAV8-BC13	1:2000	422 EU/mL	154%
AAV8-BC15	1:500	140 EU/mL	115%
AAV8-BC11	1:2000	531 EU/mL	140%

Dilution curve analysis:
[Describe protocol here] Final titer of the pooled dilution curve was XX vg/mL. Barcodes from the pooled library were amplified by PCR and then subjected to sequencing on an Illumina XXX. Quantification of barcodes revealed the following library balance:

[Insert bar plot here]