

# Dyno Therapeutics

## The Capsids You Need

AI-Guided Design & In Vivo Validation  
of AAV Capsids for Better Delivery to  
Muscle, Eye & CNS

ASGCT 2023



# *Dyno:*

*(noun) in climbing, a powerful jump across a rock face to reach a hold*



# Our mission

Empowering **diverse teams** of  
**high-potential problem solvers** to  
**transform patient lives** with  
**cutting-edge science**



# Why partner with Dyno?



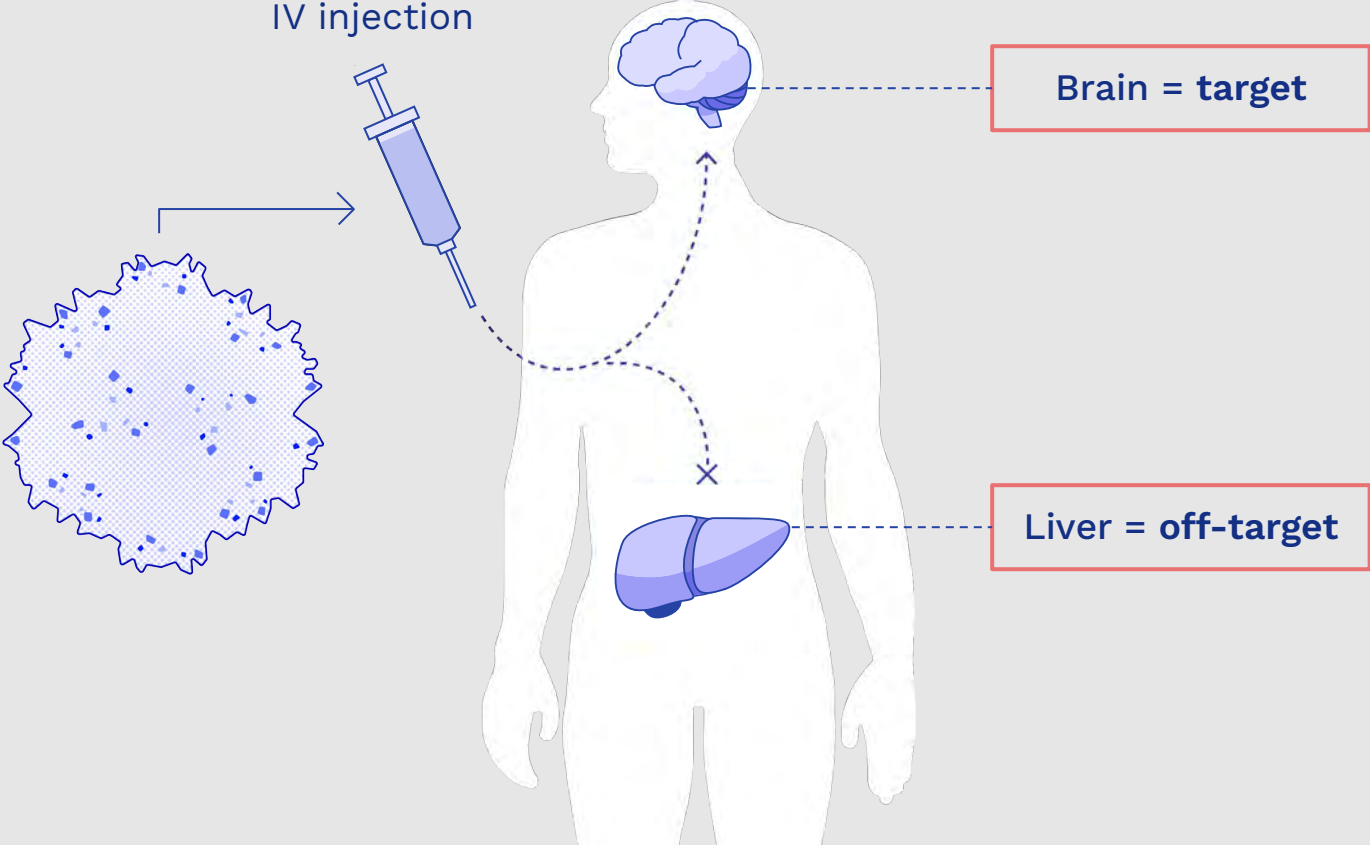
Partnership-centric business  
model = 100% alignment



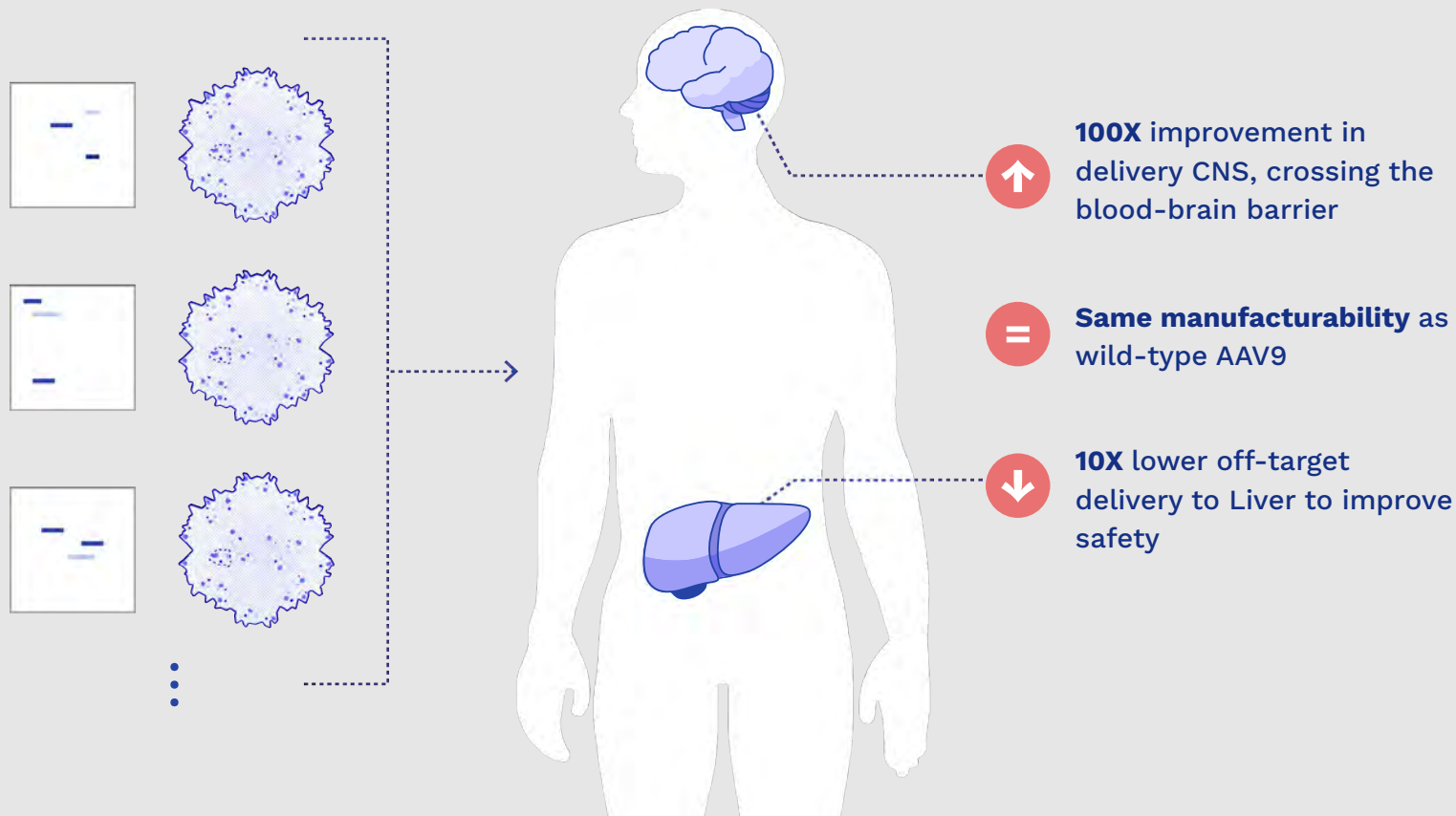
100% focused on  
capsid engineering



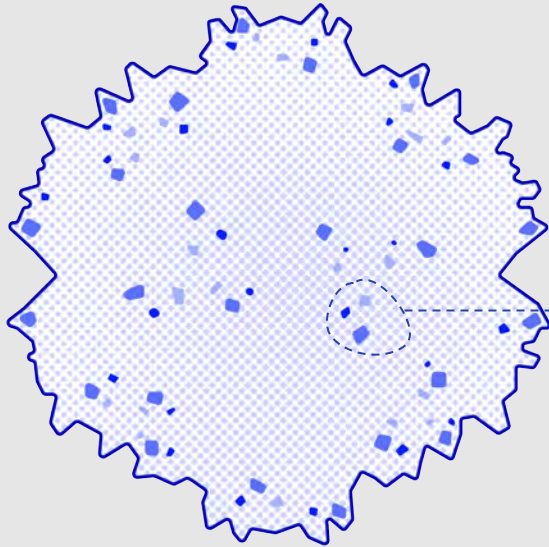
# Our focus: solving the challenge of in vivo gene delivery



# Our focus: solving the challenge of in vivo gene delivery



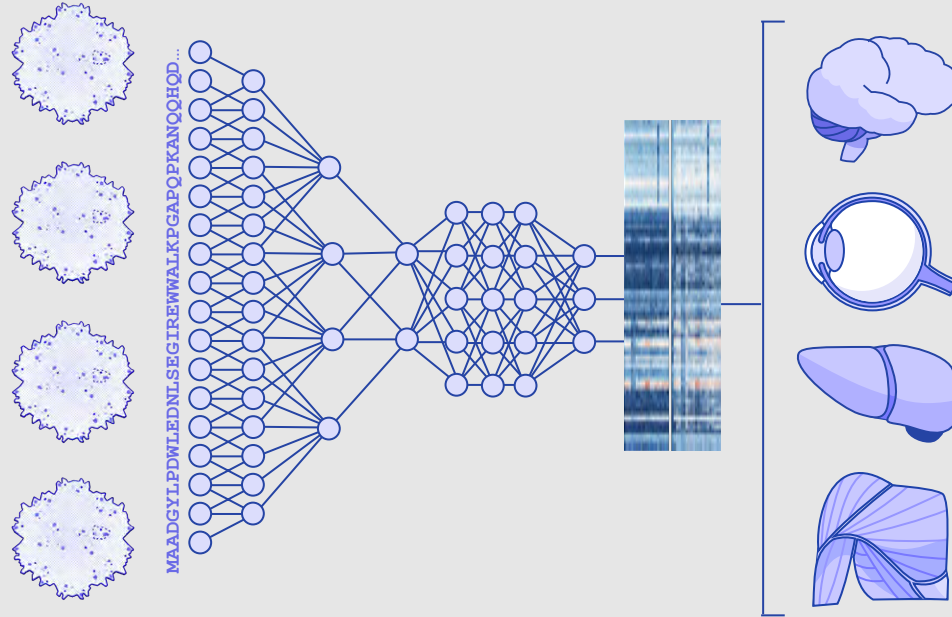
# AAV capsid: a ~735 letter search problem



```
MAADGYLPDWLEDTLSEGIRQWWKLKPGPPPKPAERHKDDSRGLVLP  
G  
YKYLGPFNGLDKGEPVNEADAAALEHDKAYDRQLDSDGNPYLKYNHADA  
EFQERLKEDTSFGGNLGRAVFQAKKRVL EPLGLVEEPVK TAPGKKRPVE  
HSPVEPDSSSGTGKAGQQPARKRLNFGQTGDADSVDPDQPLGQPPAAPS  
GLGTNTMATGSGAPMADNNEGADGVGNS SGNWHCDSTWMGDRVITSTR  
TVALPTYNNHLYKQISSQSGASNDNHYFGYSTPWGYDFNRFHCHFSR  
DWQRLINNNWGRFRPKRLNFKLFNIQVKEVTQNDGTTTIANLSTVQVF  
TDSEYQLPYVLGSAHQCLPPFPADVFMVPQYGYLTLNNGSQAVGRSSF  
YCLEYFPSQMLRTGNNTFSYTFEDVPFHSSYAHSQSLDRLMNPLIDQY  
LYYLSRTNTPSGTTTQSRLQFSQAGASDIRDQSRNWLPGPCYRQQRVSK  
TSADNNNSEYSWTGATKYHLNGRDSL VNP GPAMASHKDDEEKFFPQSGV  
LIFGKQGSEKTNVDIEKVMITDEEIRTTNPVATEQYGSVSTNLQRGR  
QAATADVNTQGVLPGMVWQDRDVYLQGP IWAKIPHTDGHFHP SPLMGGF  
GLKHPPQILIKNTPVPANPSTTFSAAKFASFITQYSTGQVSVEIEWEL  
QKENS KRWNPEIQYTSYNYNKS VNVDFTVDTNGVYSEPRPIGTRYLTRNL
```



# Dyno's solution: AI-powered design





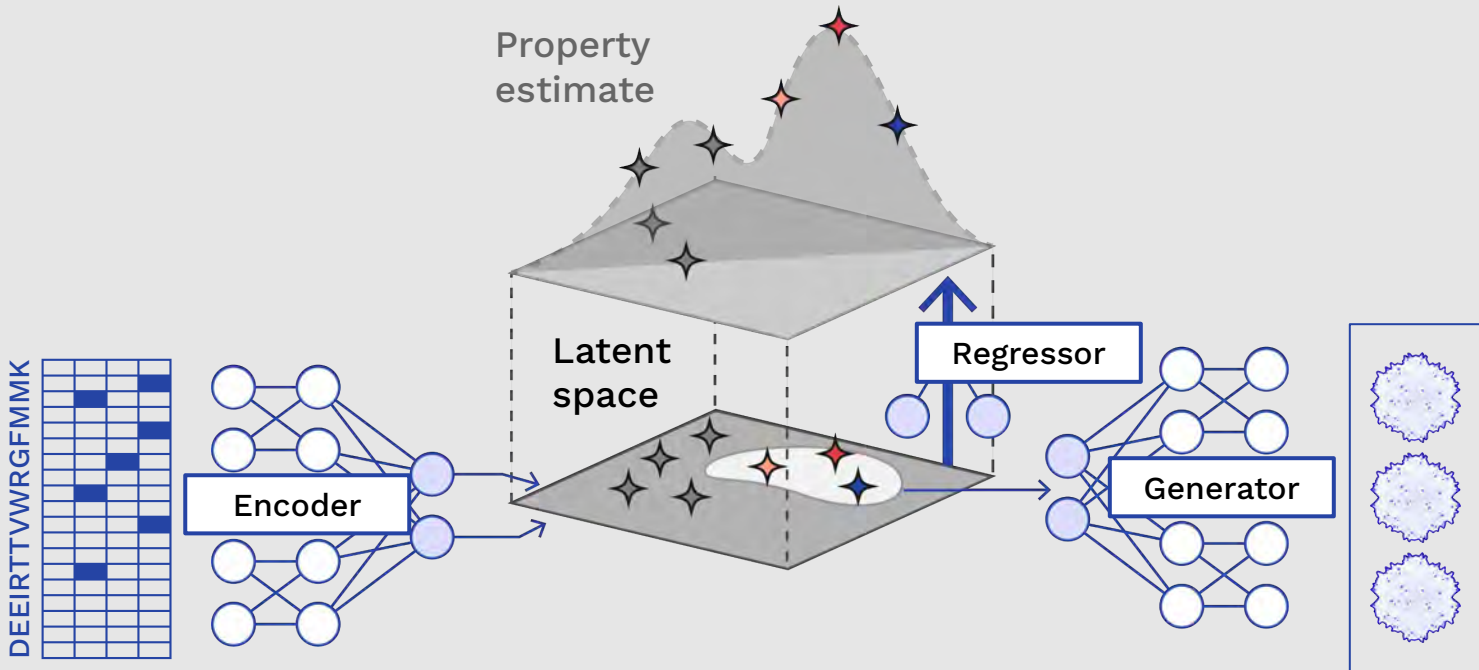
## Dyno's origins



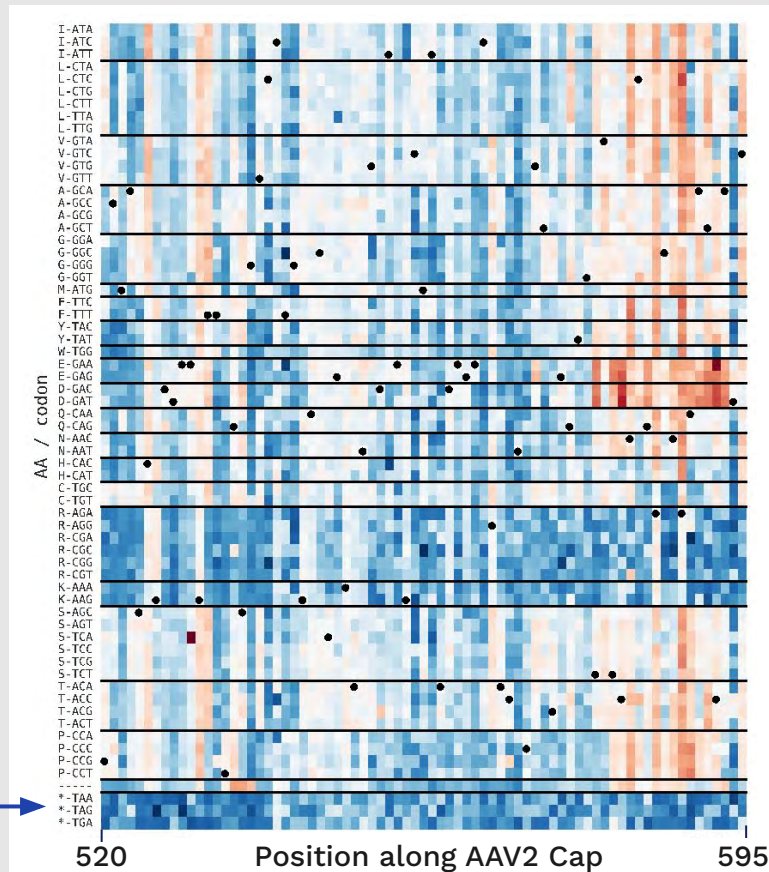
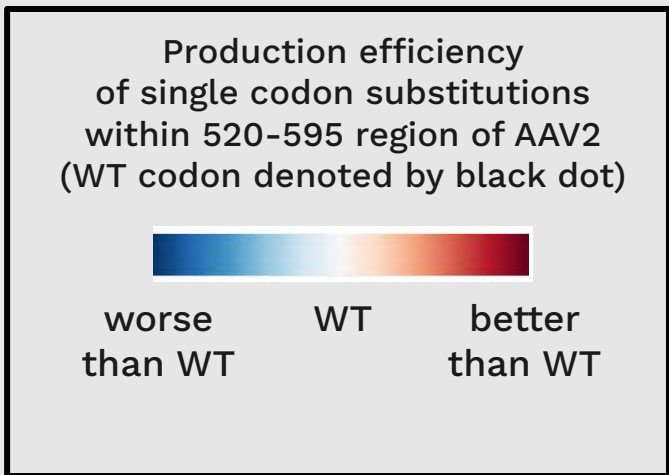
Dyno Therapeutics Inc.  
Multiplexing since May 2018



# AI-powered design generates optimized capsid sequences



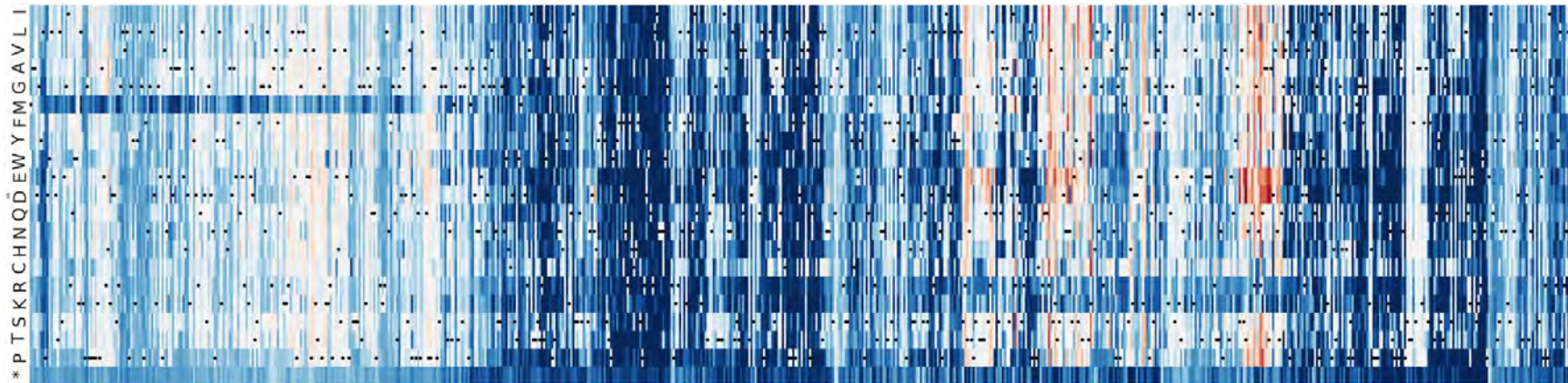
# Multiplexing enables measurement of AAV capsid fitness landscapes



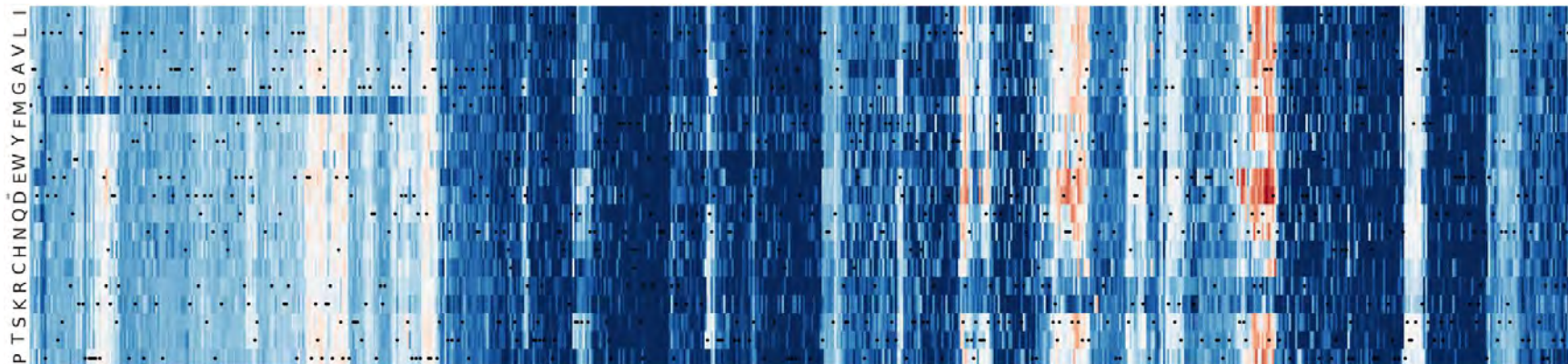


Same data as prior slide,  
averaged by amino acid and  
position

All substitutions



All insertions



1

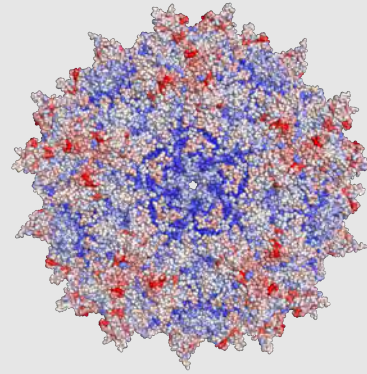
735

All changes and positions (entire AAV2 Cap gene) measured experimentally

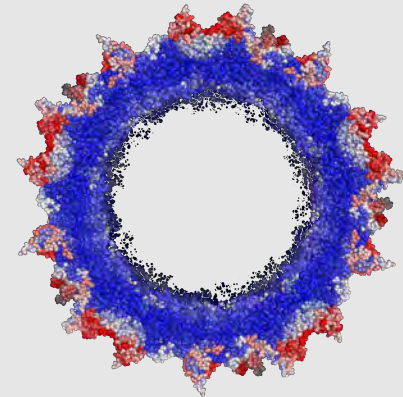
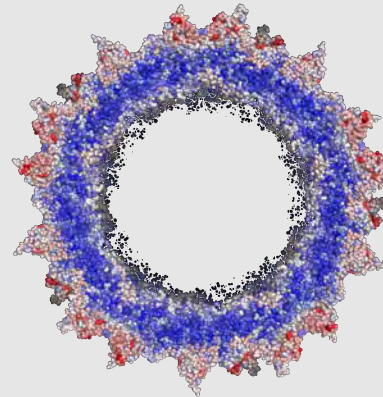
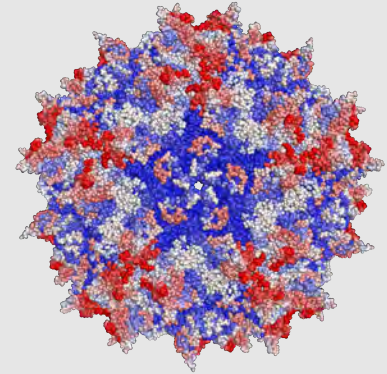
Using multiplexing, in **one experiment**:

- Measured the fitness of **every possible single edit** to the AAV2 capsid sequence
- Learned **structural design principles** and more from data alone
- Discovered Membrane Associated Accessory Protein (**MAAP**)
- Provided **rich training data** for AI-powered sequence design

**Substitutions**



**Insertions**



## Dyno's partnerships to date...

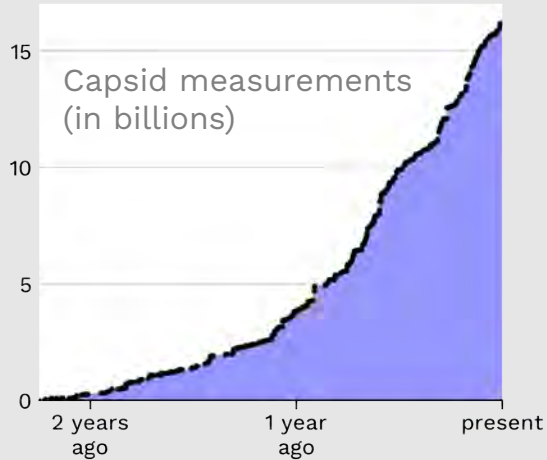


Dyno's  
team has  
grown!

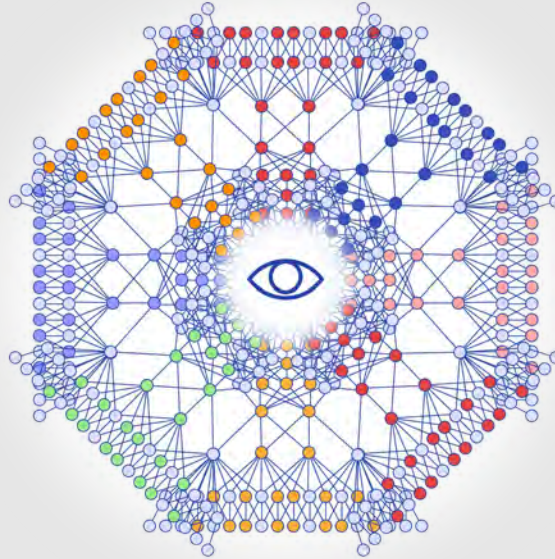




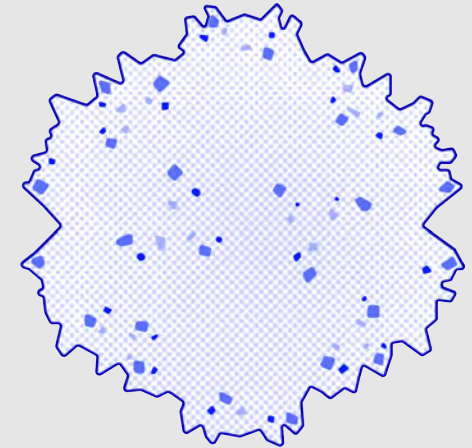
# A lot has changed in 5 years



**In vivo  
NHP Data**



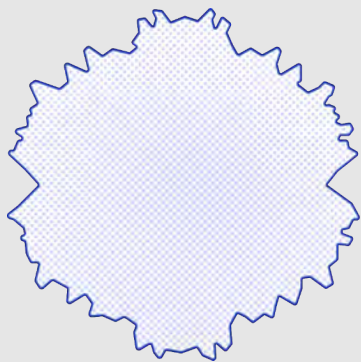
**Artificial  
Intelligence**



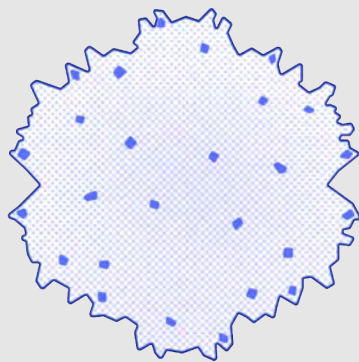
**Better Capsids  
Are Here**



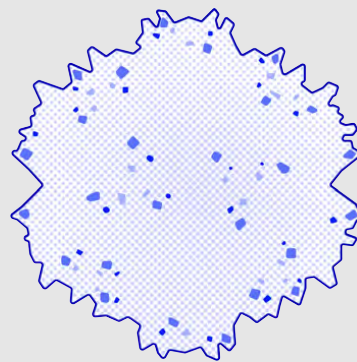
# We compare capsids head-to-head



Natural  
capsids



External  
engineered  
capsids



Dyno  
capsids



# Introducing Dyno's best capsids in eye and CNS



**Dyno-86m**

Dyno-gvk



**Dyno bCap 1**

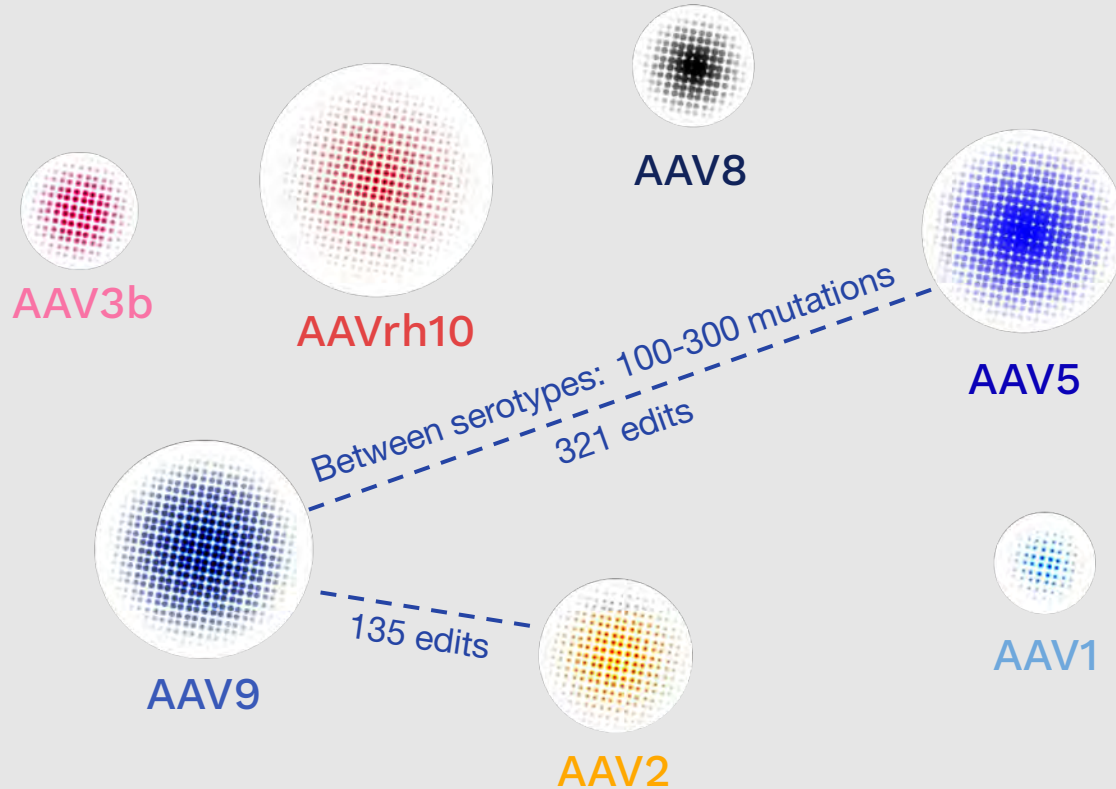
Dyno-st2





# Powering Dyno's Platform

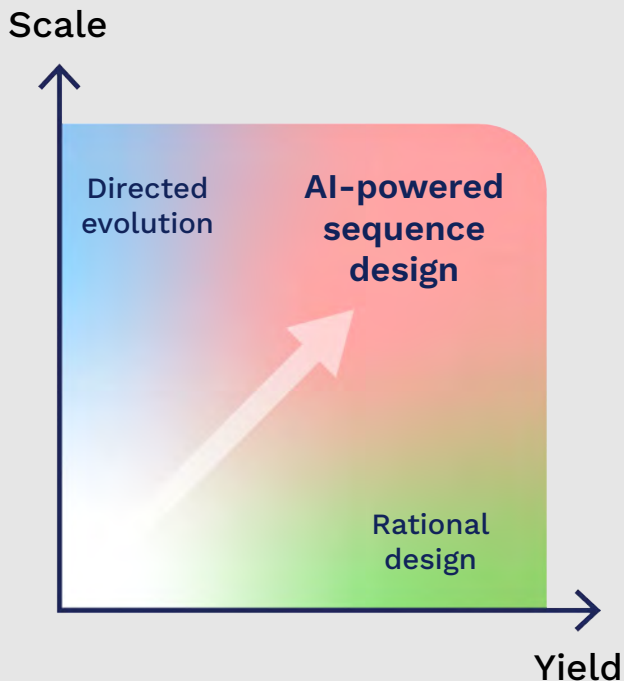
# AAV capsid sequence space is vast and unexplored



**Most AAV mutations** produce non-functional Cap genes that do not assemble into stable capsids



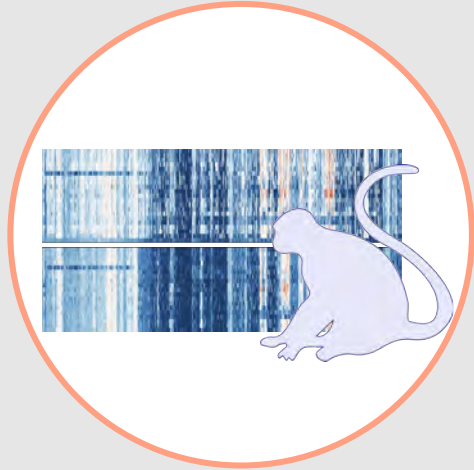
# Solving the sequence design challenge with AI-powered design



- **Directed evolution** can produce very large libraries, but most elements are non-functional due to incorporation of deleterious mutations
- **Rational design** can produce libraries with many functional elements, but their scope is hard to scale for efficient exploration of sequence space
- **Dyno solves this trade-off using AI-powered sequence design**



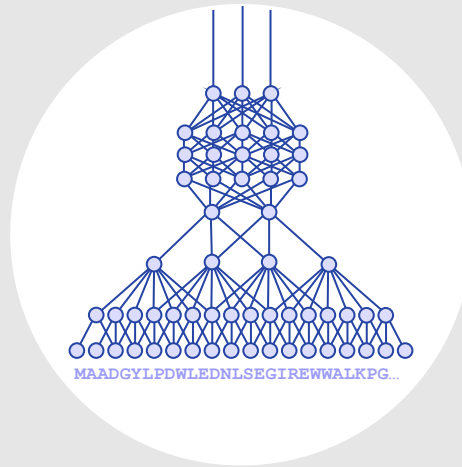
# Overview of Dyno's Platform



## Data excellence

Essential to power AI design

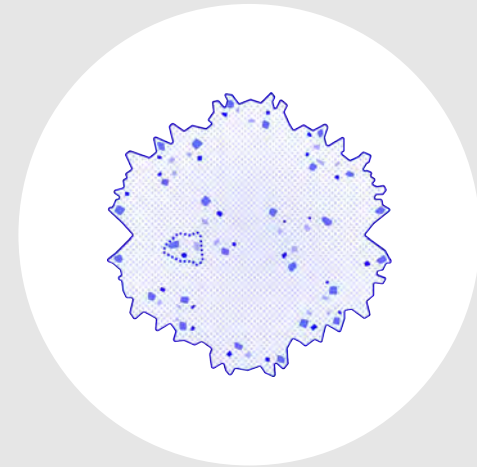
Coherence across four scales



## AI excellence

Explores sequence space efficiently

Optimizes multiple properties



## Better capsids

Confident comparisons of Dyno capsids to natural and external engineered capsids



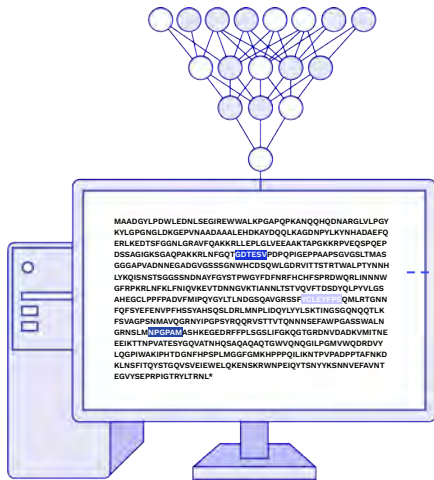


**Dyno's success starts with our team**

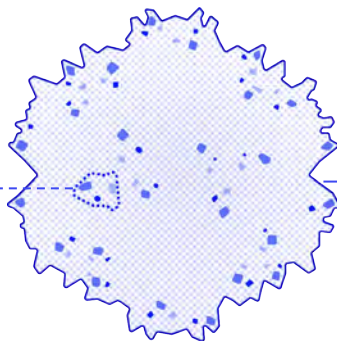




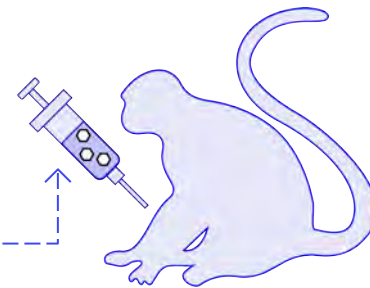
# Design



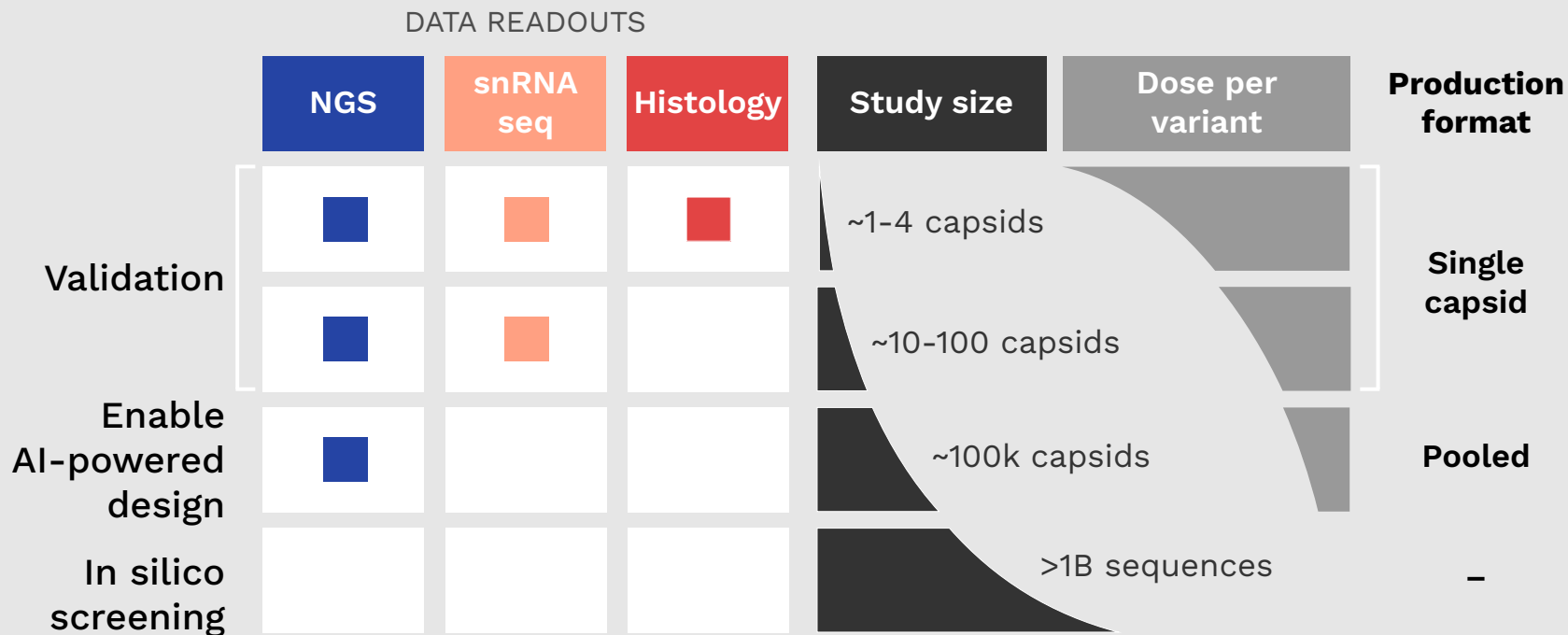
# Build



# Test

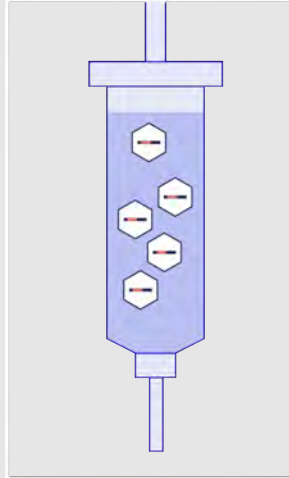


# Our platform operates at four scales



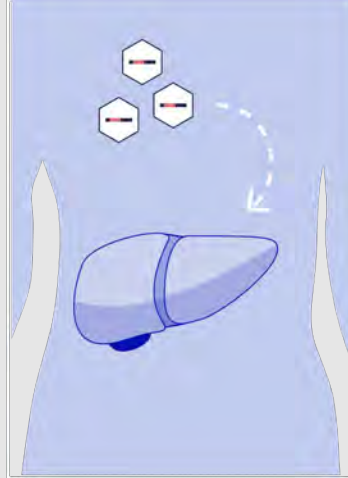
# We measure key capsid properties

## Production



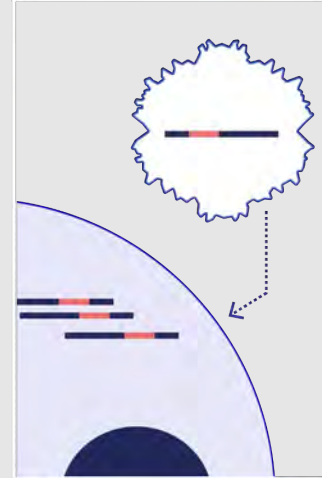
Abundance  
of capsid in  
viral test  
article

## Biodistribution



Location of  
capsids *in vivo*  
by measuring  
viral genome

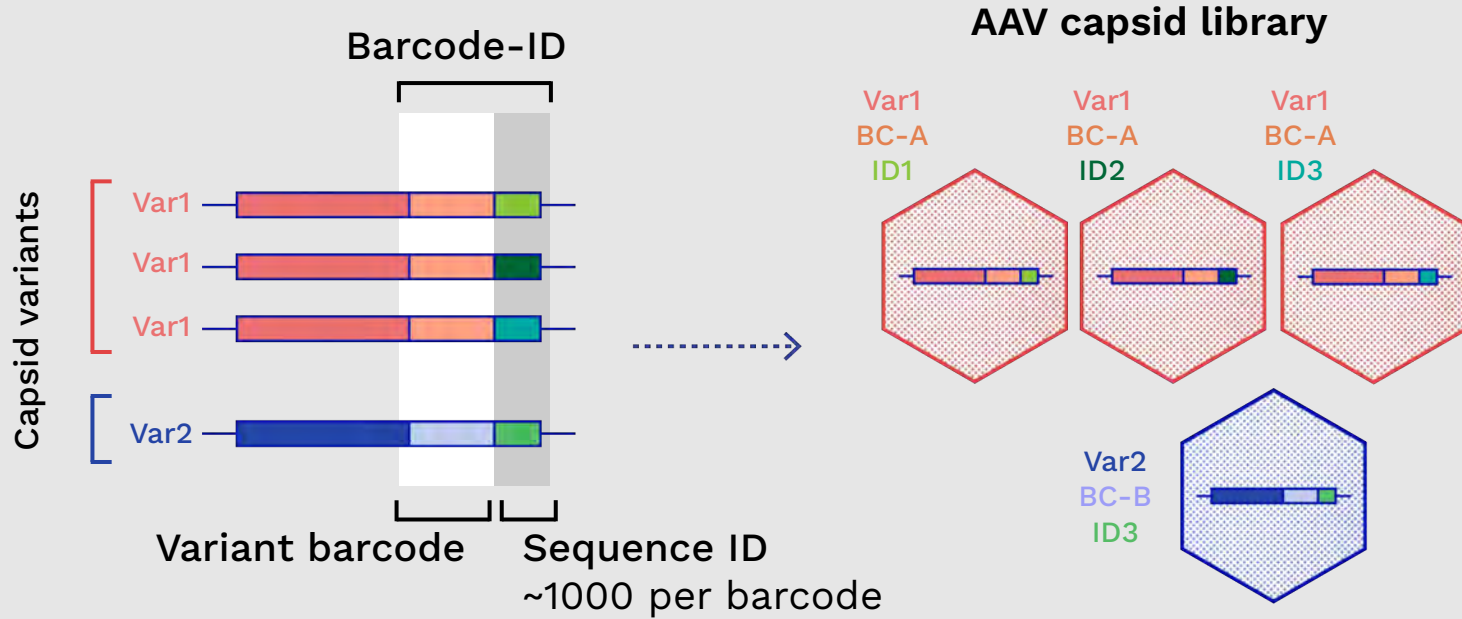
## Transduction



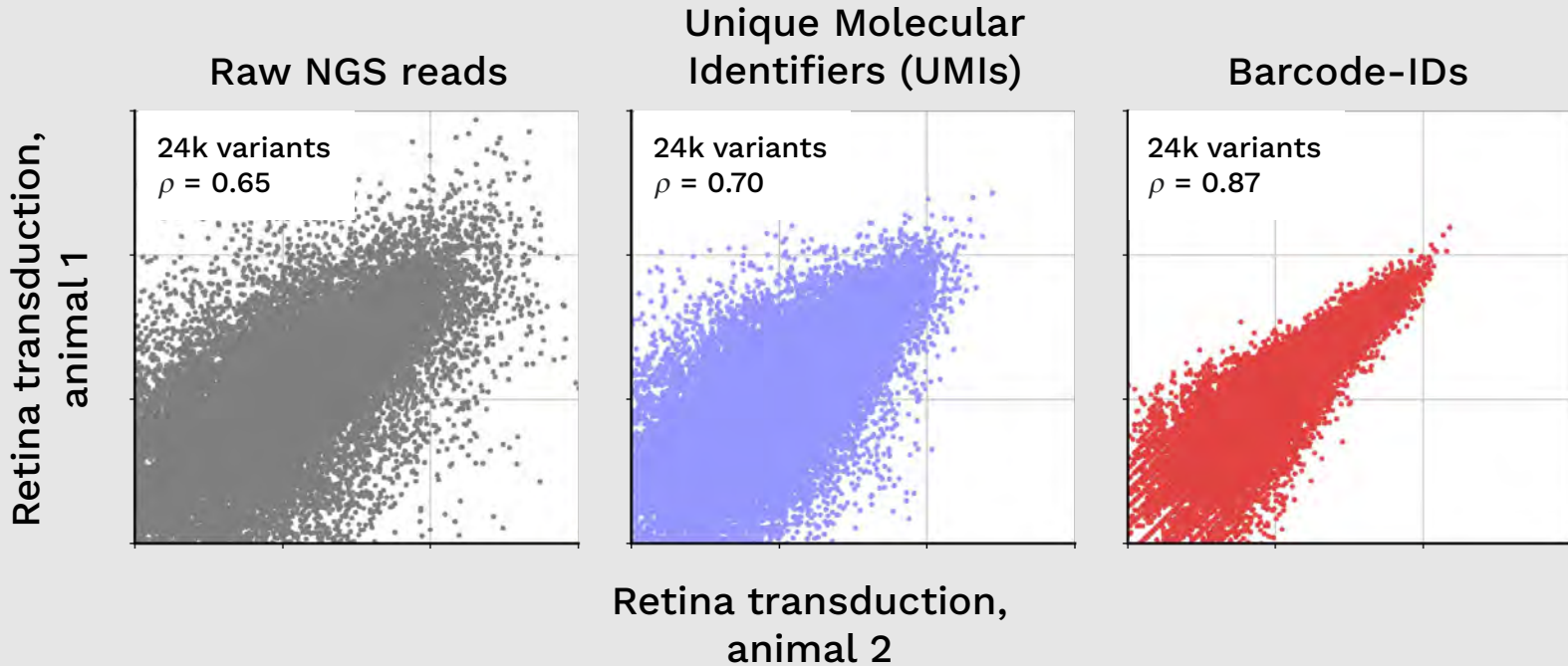
Infection of cells  
*in vivo* by  
measuring  
capsid-derived  
mRNA expression



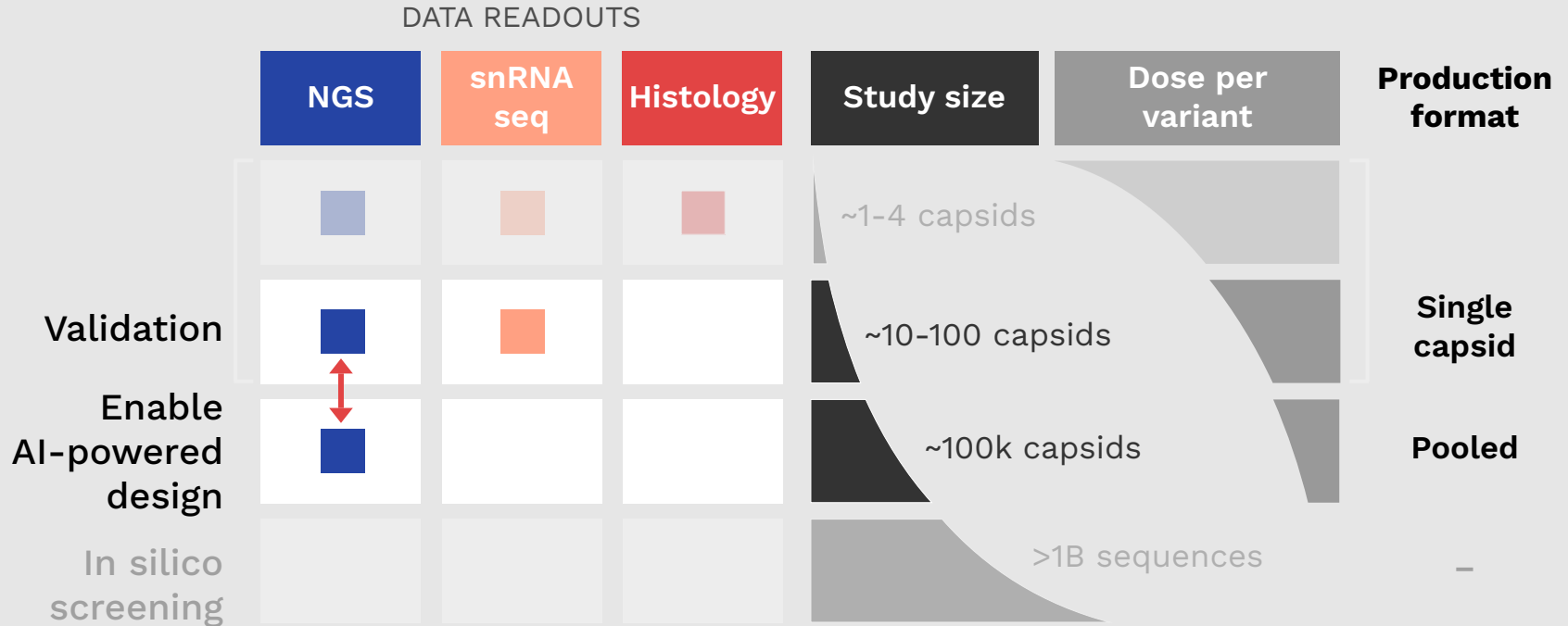
# Molecular barcoding via barcode-IDs



# Quantification of transduction with barcode-ids increases data reproducibility

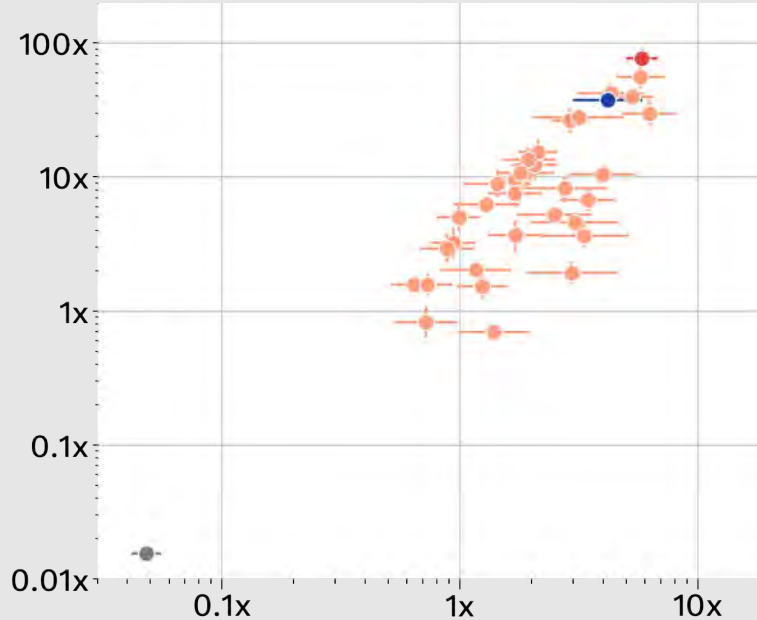


# Our platform operates at four scales



# Data agree across different scales

Retina transduction measured by bulk NGS, fold-change vs AAV2



- **Dyno-86m**
- Dyno capsids
- External engineered capsid
- Negative control

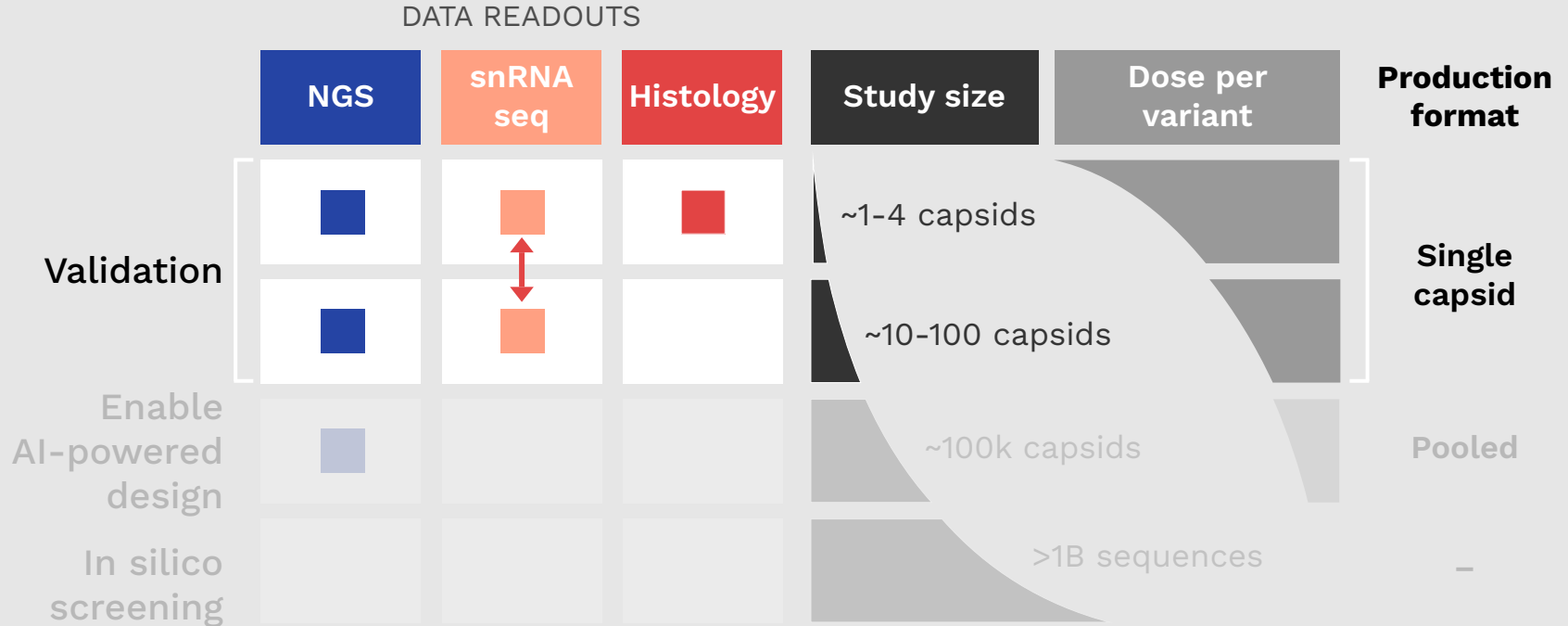
Intravitreal delivery

Measured with  
**~10-100** capsids  
multiplexed

Measured with  
**>100,000** capsids multiplexed



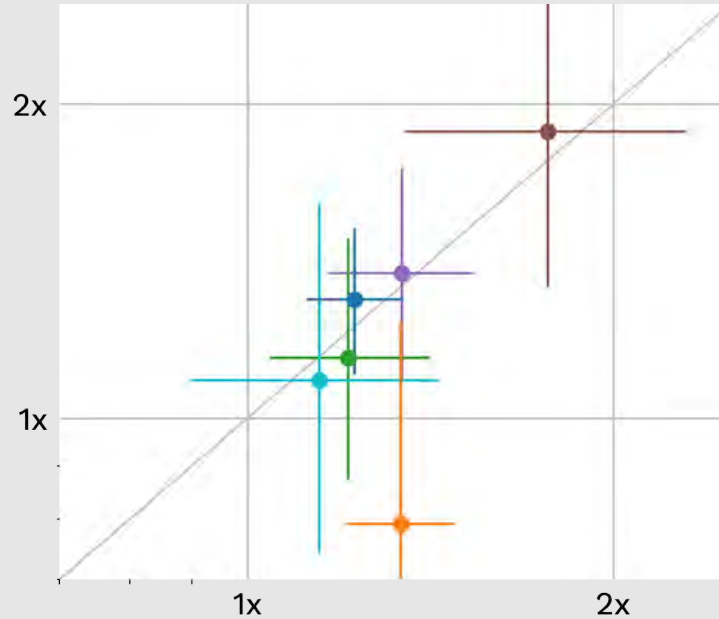
# Our platform operates at four scales





# Single-nuclei RNA-seq data agree at different scales

Fold-change per cell type,  
~**10-100** capsids multiplexed



Fold-change of Dyno capsid relative to external engineered capsid

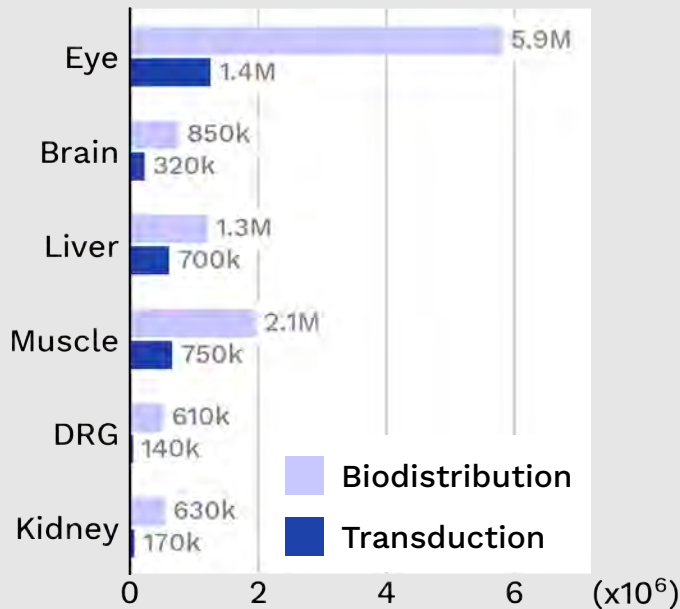
Intravitreal delivery

- Retinal ganglion cells
- Amacrine cells
- Rods
- Bipolar cells
- Cones
- Muller glia

Fold-change per cell type,  
**2** capsids multiplexed

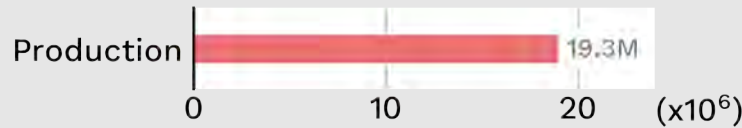


# Characterization of millions of AI-designed capsids



Unique AAV capsids measurements (in millions)

Capsids with high quality measurements that pass all quality checks but many more are detected

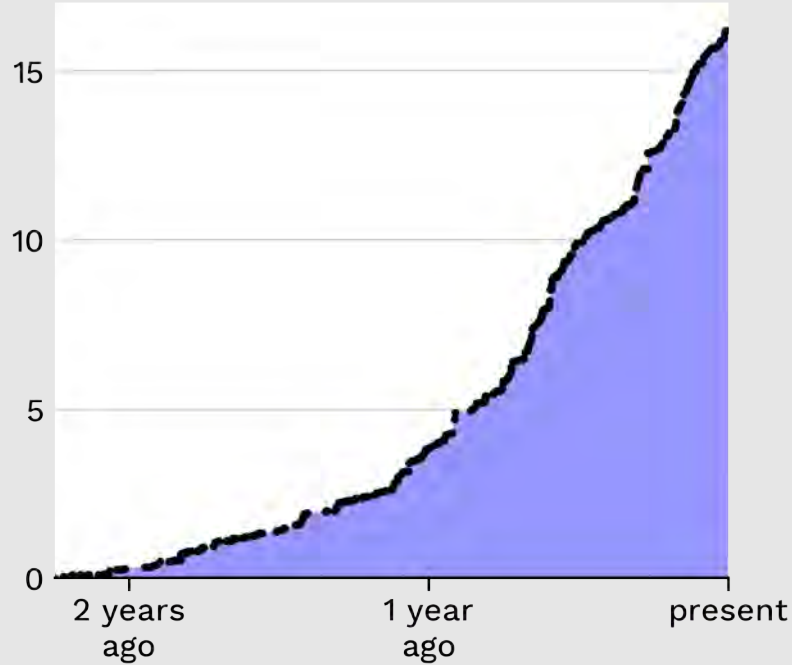


Unique AAV capsids measurements (in millions)



# We make billions of measurements every month

Total capsid measurements  
(in billions)



We make 1000s of measurements every month

every month

[Abstract 887:](#)

**“Automated Micro-TFF System Streamlines Purification and Operator Time in a Lean rAAV Manufacturing Operation”**



Total capsid measurements (in billions)



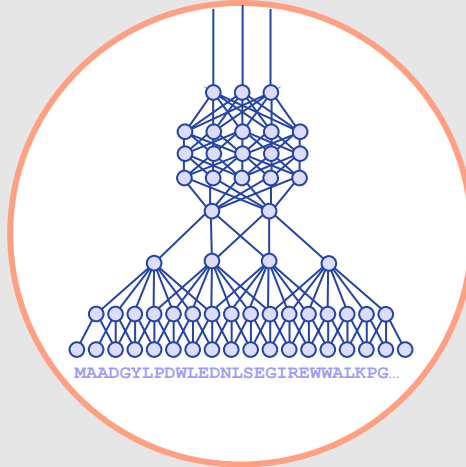
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Essential to power AI design

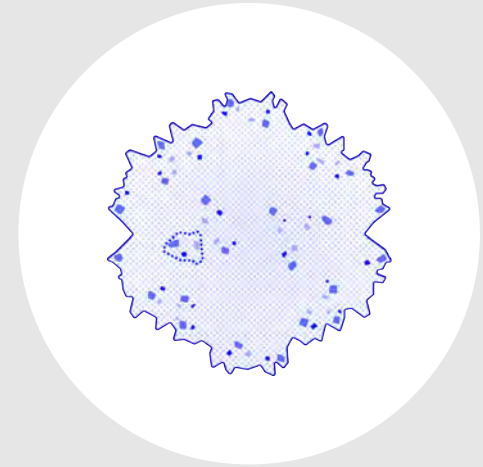
Coherence across four scales



## AI excellence

Explores sequence space efficiently

Optimizes multiple properties



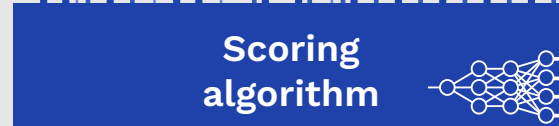
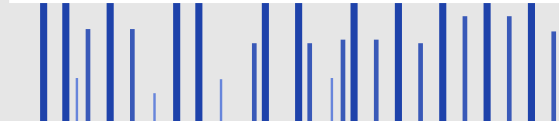
## Better capsids

Confident comparisons of Dyno capsids to natural and external engineered capsids



# Continuous improvement of models by collection of new data

We select novel capsids for characterization



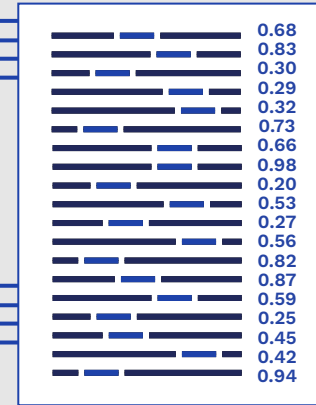
Selects ~1M sequences



Creates ~1-10B sequences



Data on novel capsids

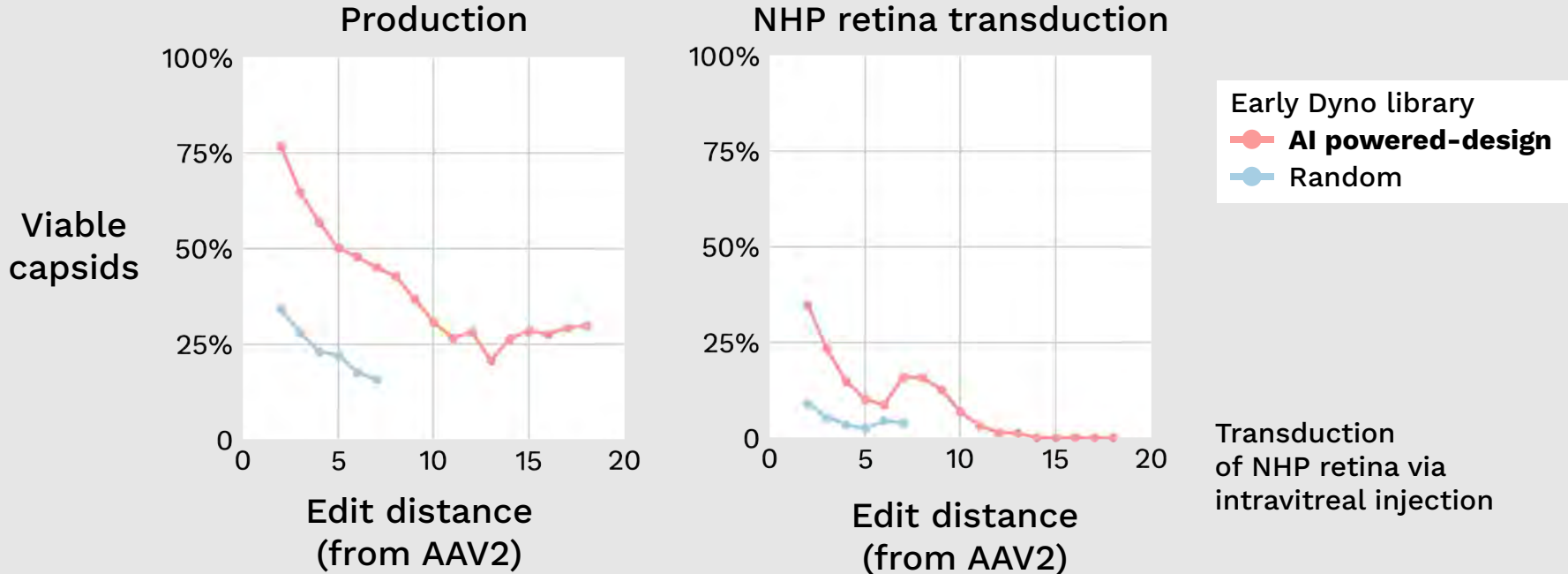


>1B measurements

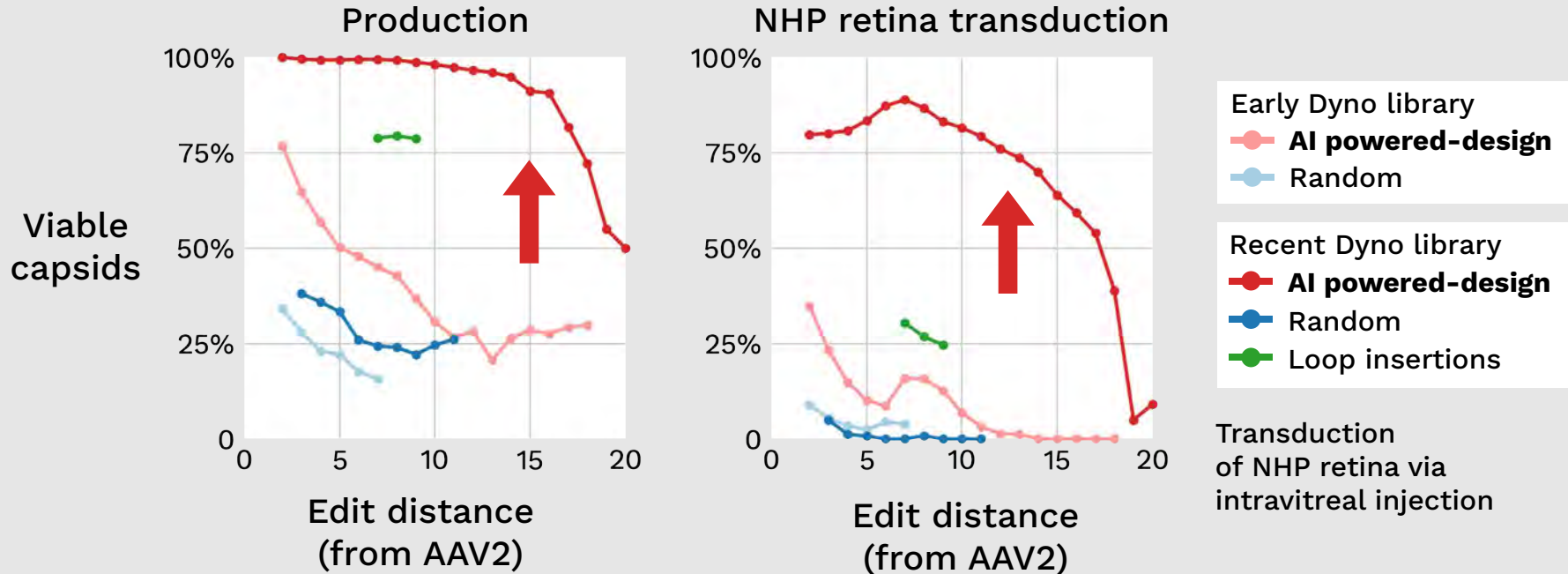
Measured data



# Efficient exploration of sequence space to design new variants for ocular gene delivery

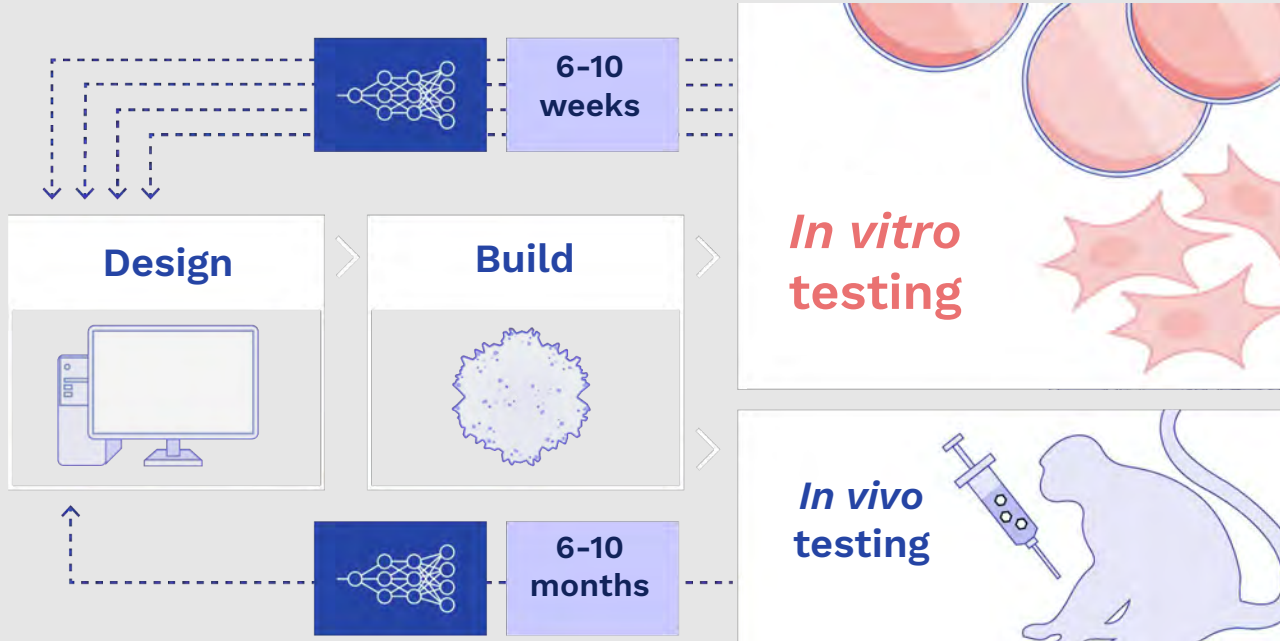


# Efficient exploration of sequence space to design new variants for ocular gene delivery





# In-vitro feedback loop enables method improvement

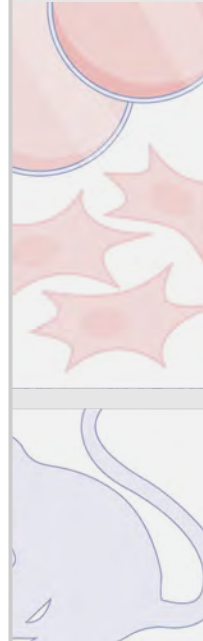


In-vitro feed

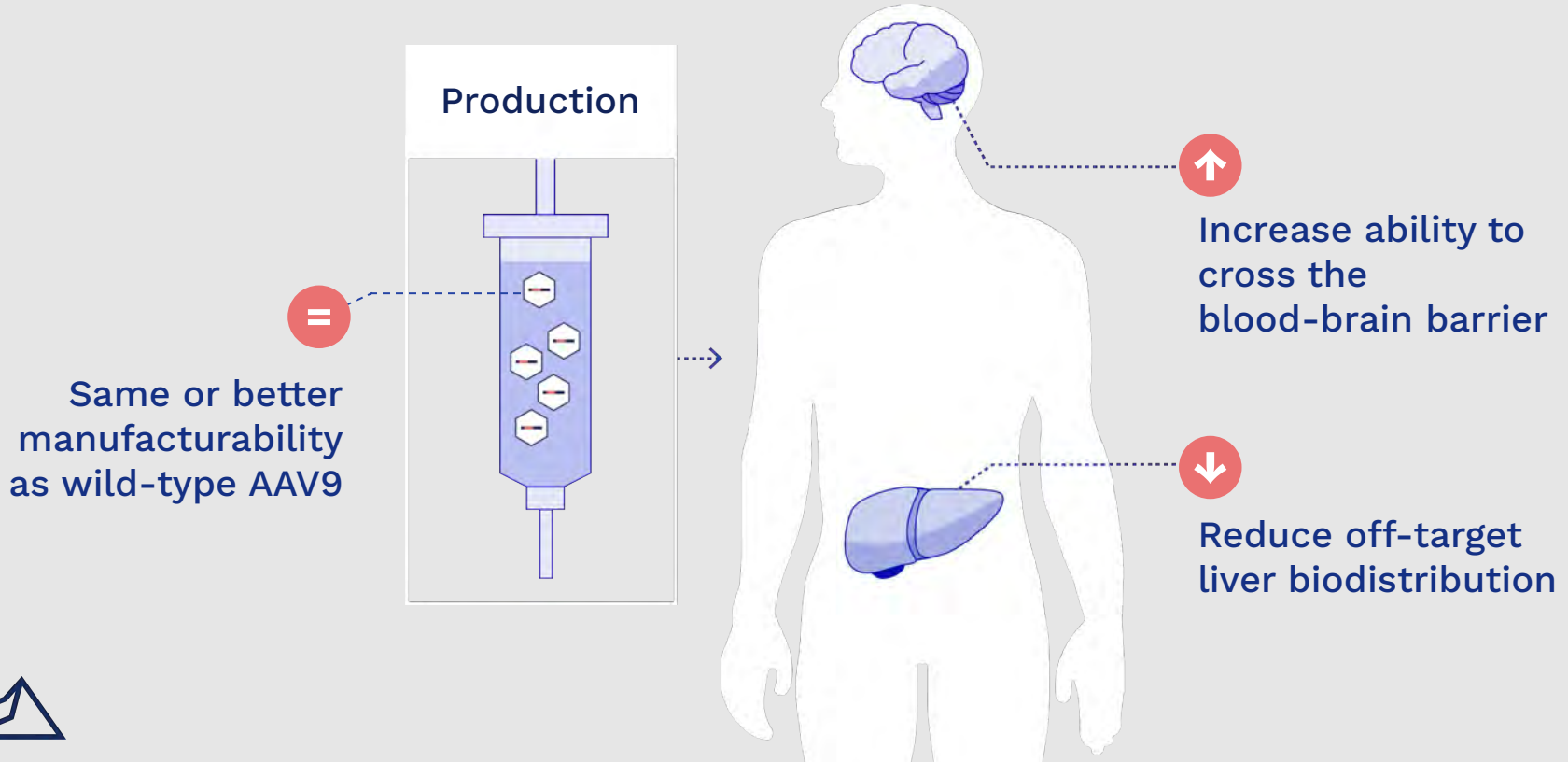
Improvement

[Abstract 467:](#)

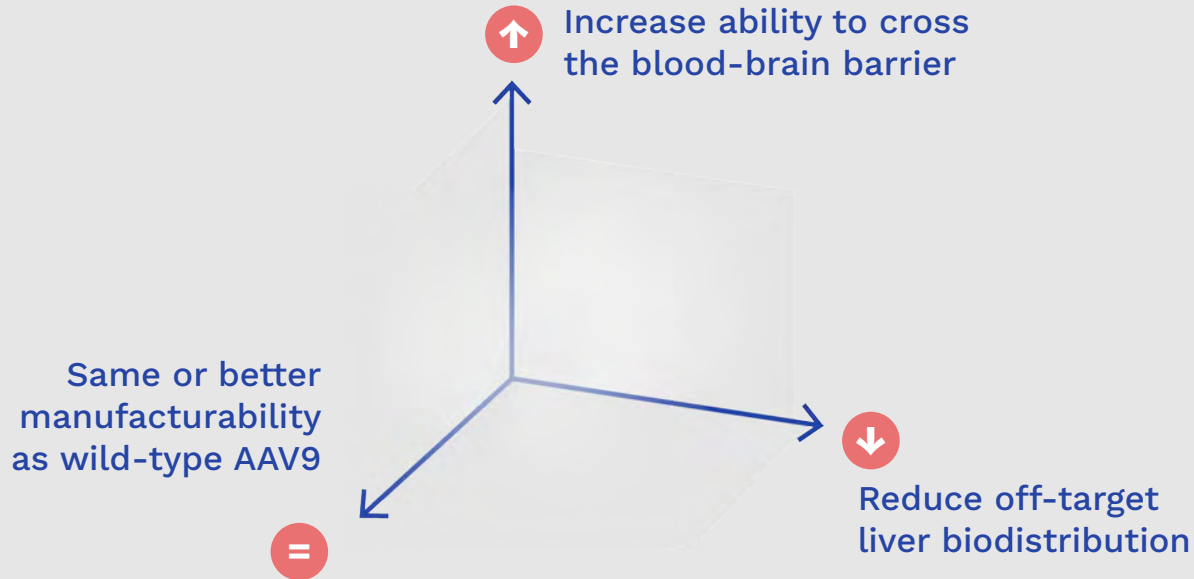
**“A Robust Machine Learning  
Algorithm for Improving AAV Capsid  
Performance”**



# Designing capsids with improvements in multiple properties



# Designing capsids with improvements in multiple properties



# AI-powered design improves multiple AAV capsid properties relevant for CNS IV gene delivery

**Initial Round**      **Subsequent Round**

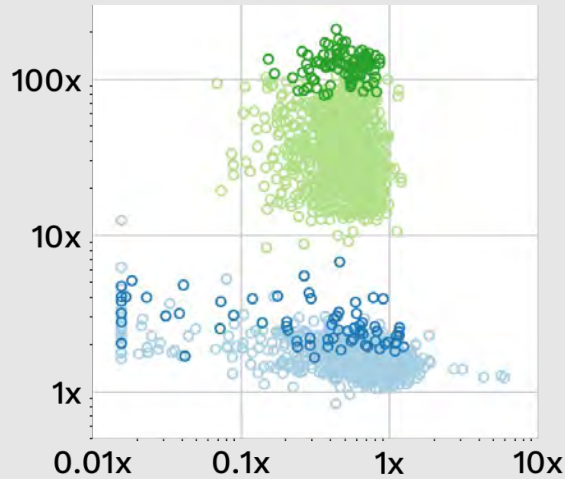
● Top 100

● Top 100

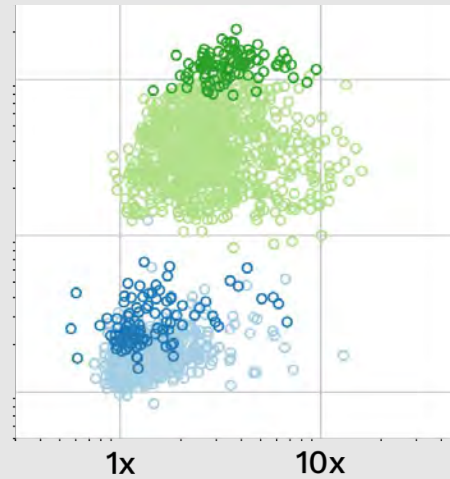
○ Top 1000

○ Top 1000

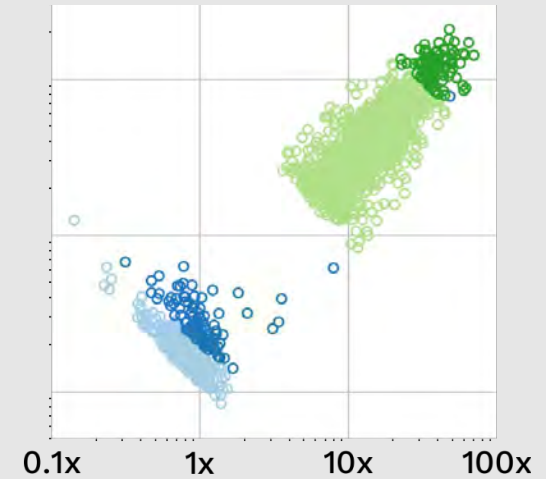
Brain  
transduction  
vs AAV9



Production  
vs AAV9



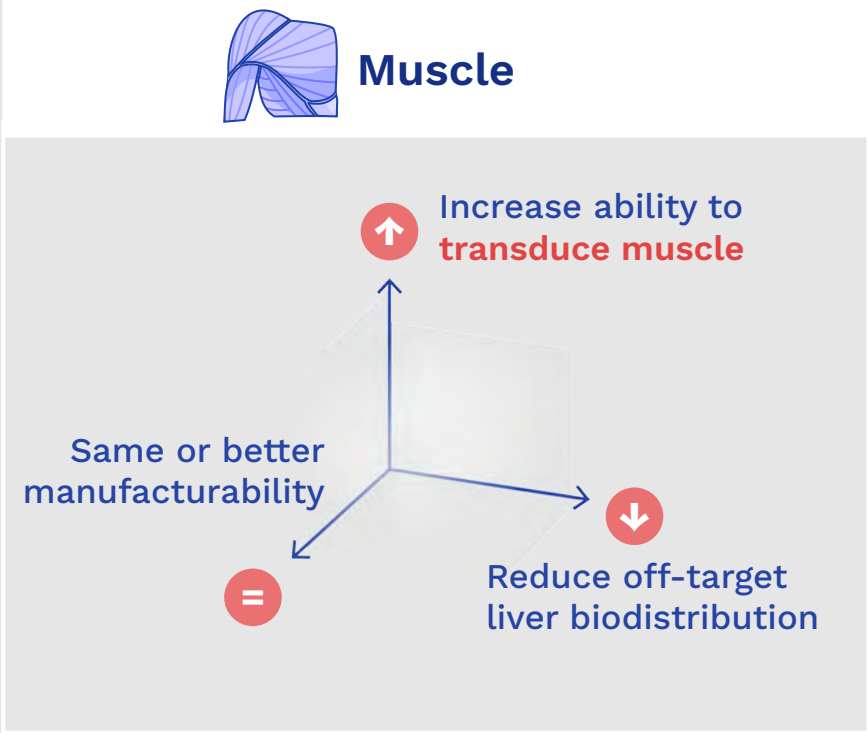
Liver detargeting  
vs AAV9



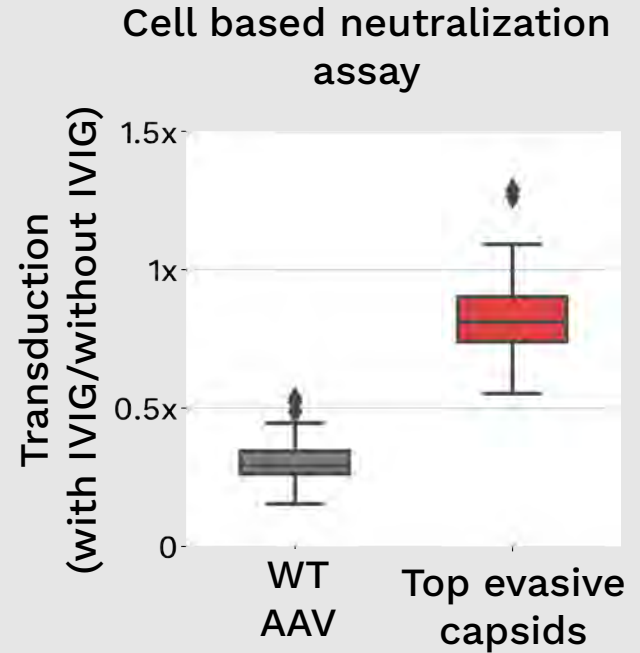
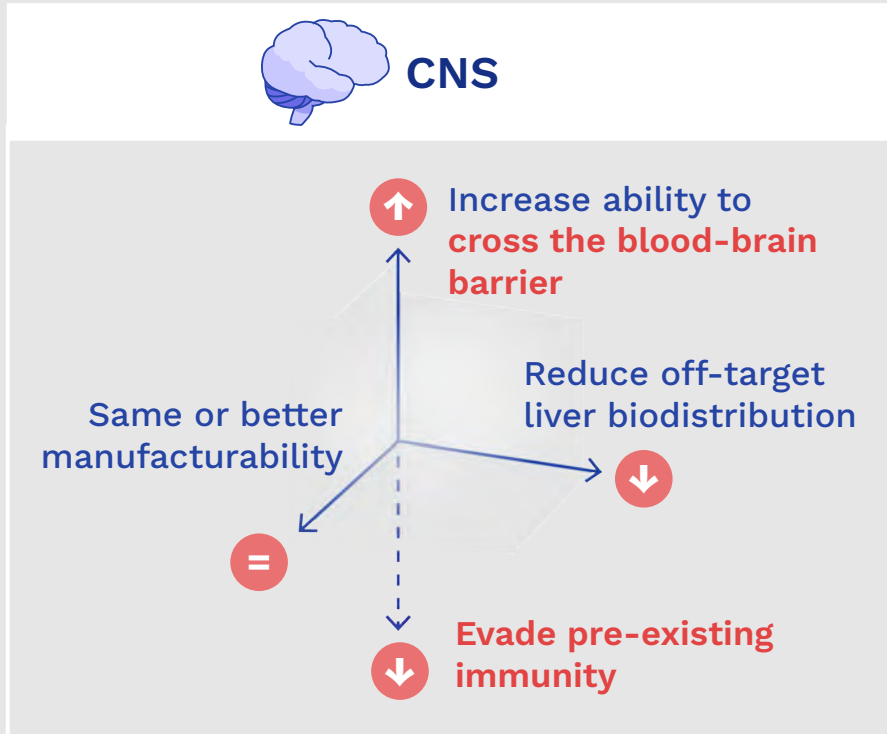
Brain biodistribution  
vs AAV9



# Future applications for multi-property optimization



# Adding dimensions for multi-property optimization



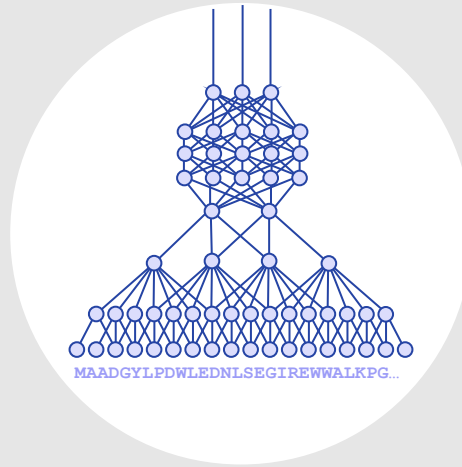
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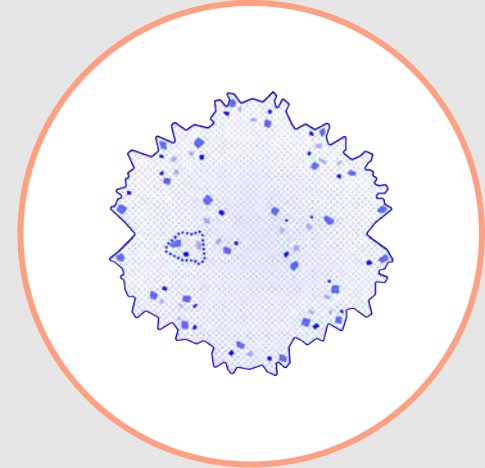
Coherence across four scales



## AI excellence

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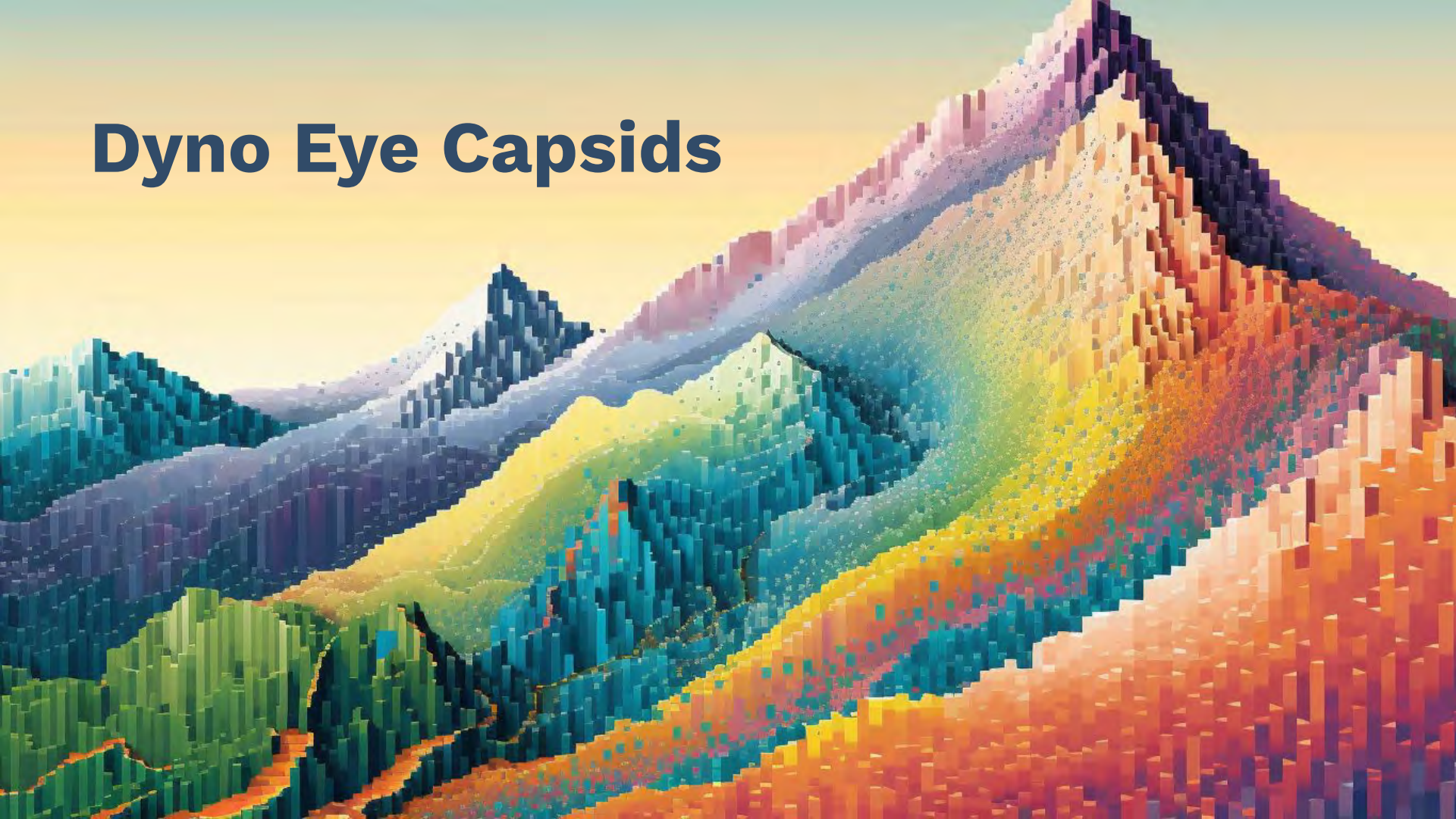
## Better capsids

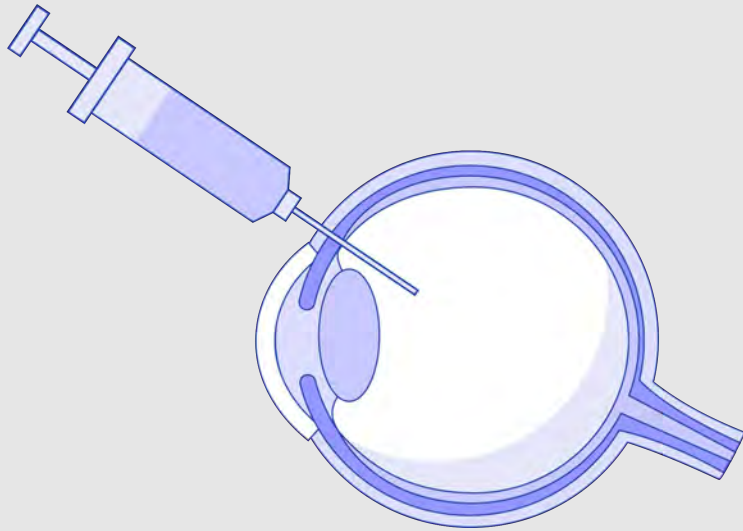
Confident comparisons of Dyno capsids to natural and external engineered capsids





# Dyno Eye Capsids





## Intravitreal (IVT) injection

Safe, non-surgical method for  
ocular gene therapy delivery

Minimal transduction using  
AAV2 intravitreal delivery



# Dyno-86m

AAV capsid for **IVT delivery**  
designed using **Generative AI**

**1x** production vs AAV2

**80x** transduction vs AAV2

**2-3x** transduction vs external  
IVT engineered capsid

>100,000 capsids  
scale

**Generative AI** design

*in vivo* **NHP**  
measurement



>100,000 capsids  
scale

**Generative AI design**

***in vivo* NHP  
measurement**



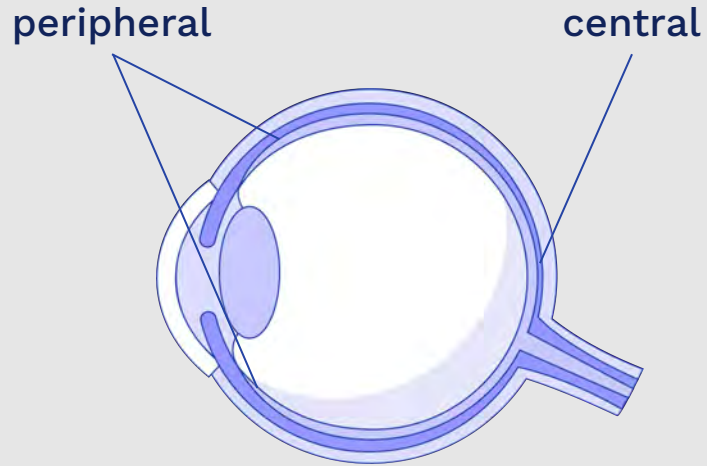
1-100 capsids  
scale

***in vivo* NHP  
validation**



# Spatial localization

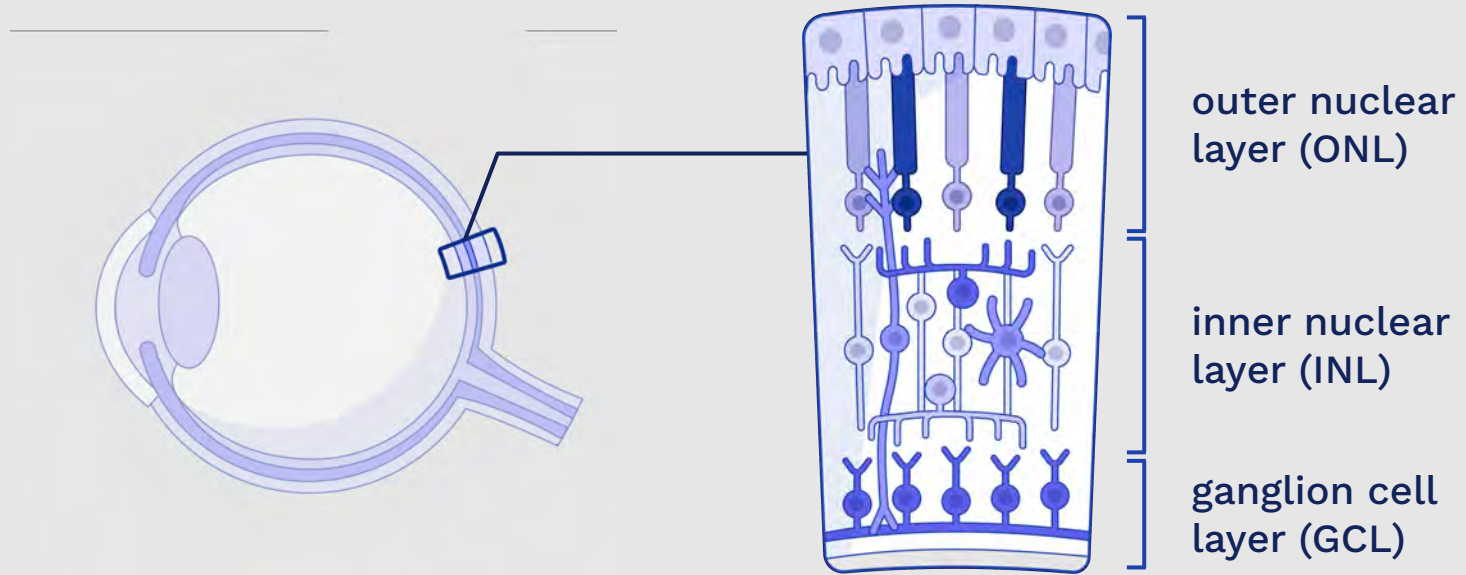
Where along retina?



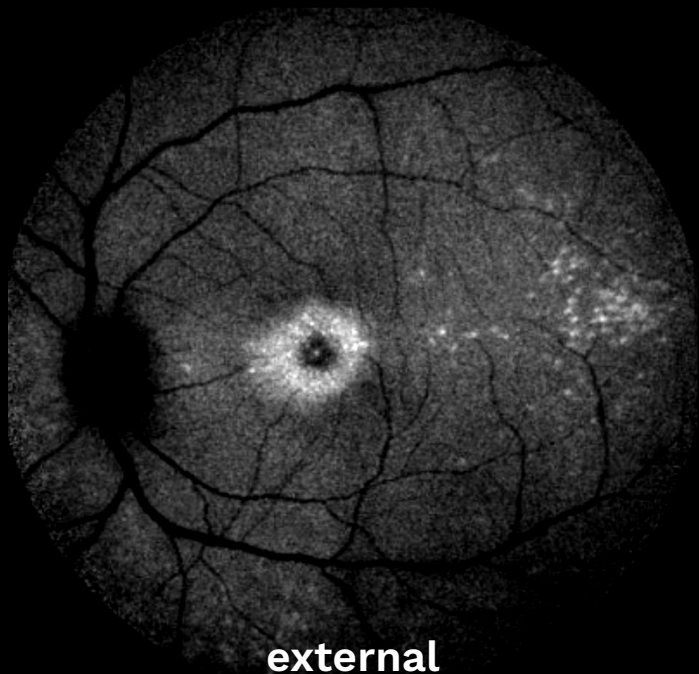
# Spatial localization

Where along retina?

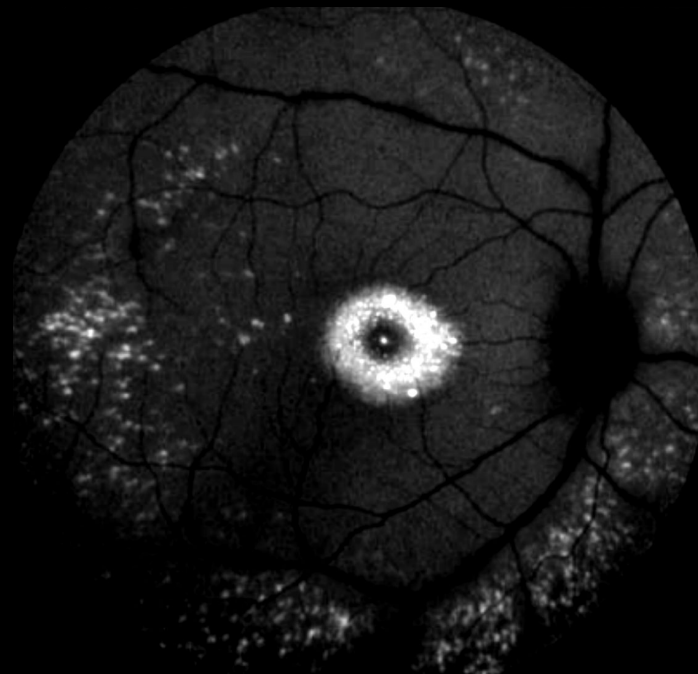
Which retinal layers?



# Fluorescent fundus imaging confirms widespread delivery in single capsid delivery



**external  
engineered capsid  
at  $1.1 \times 10^{11}$  vg per eye**



**Dyno-86m  
at  $8.1 \times 10^{10}$  vg per eye**



NIH  
R01 EY021001  
PHOTO: DR.  
DAVID R. ANDERSON

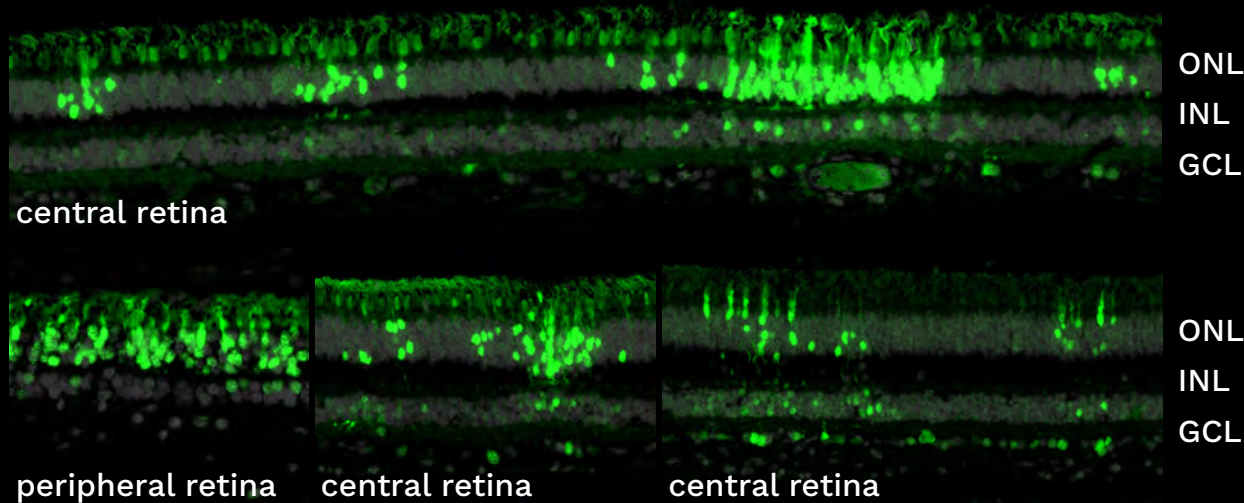
NIH  
R01 EY021001  
PHOTO: DR.  
DAVID R. ANDERSON

PHOTO: DR.  
DAVID R. ANDERSON

# validation

Dyno-86m

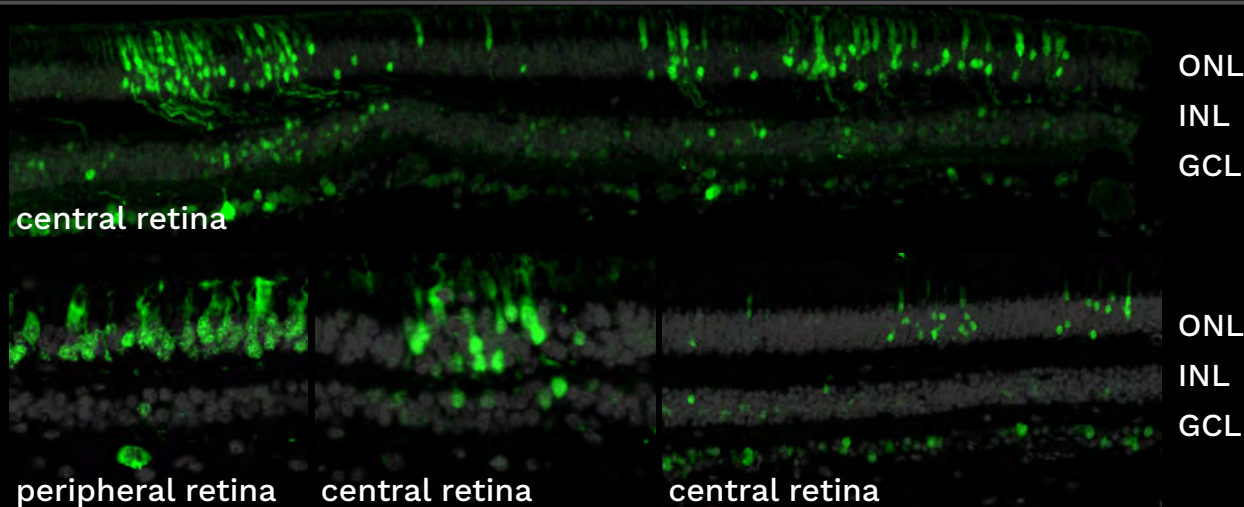
at  $2.3 \times 10^{11}$  vg per eye



# comparison

external engineered  
capsid for IVT  
delivery

at  $2.1 \times 10^{11}$  vg per eye

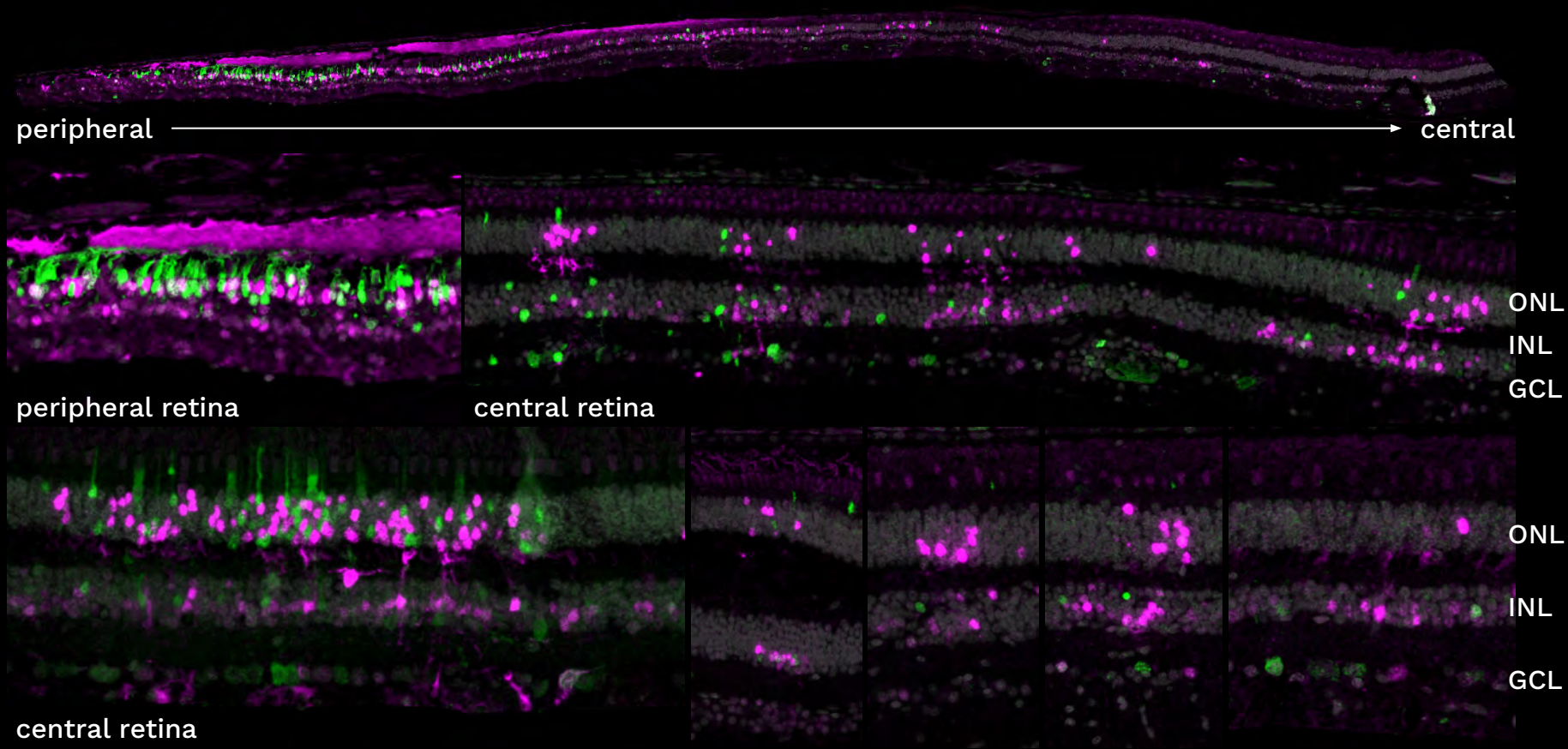




# Head-to-head comparison

2 capsids co-injected

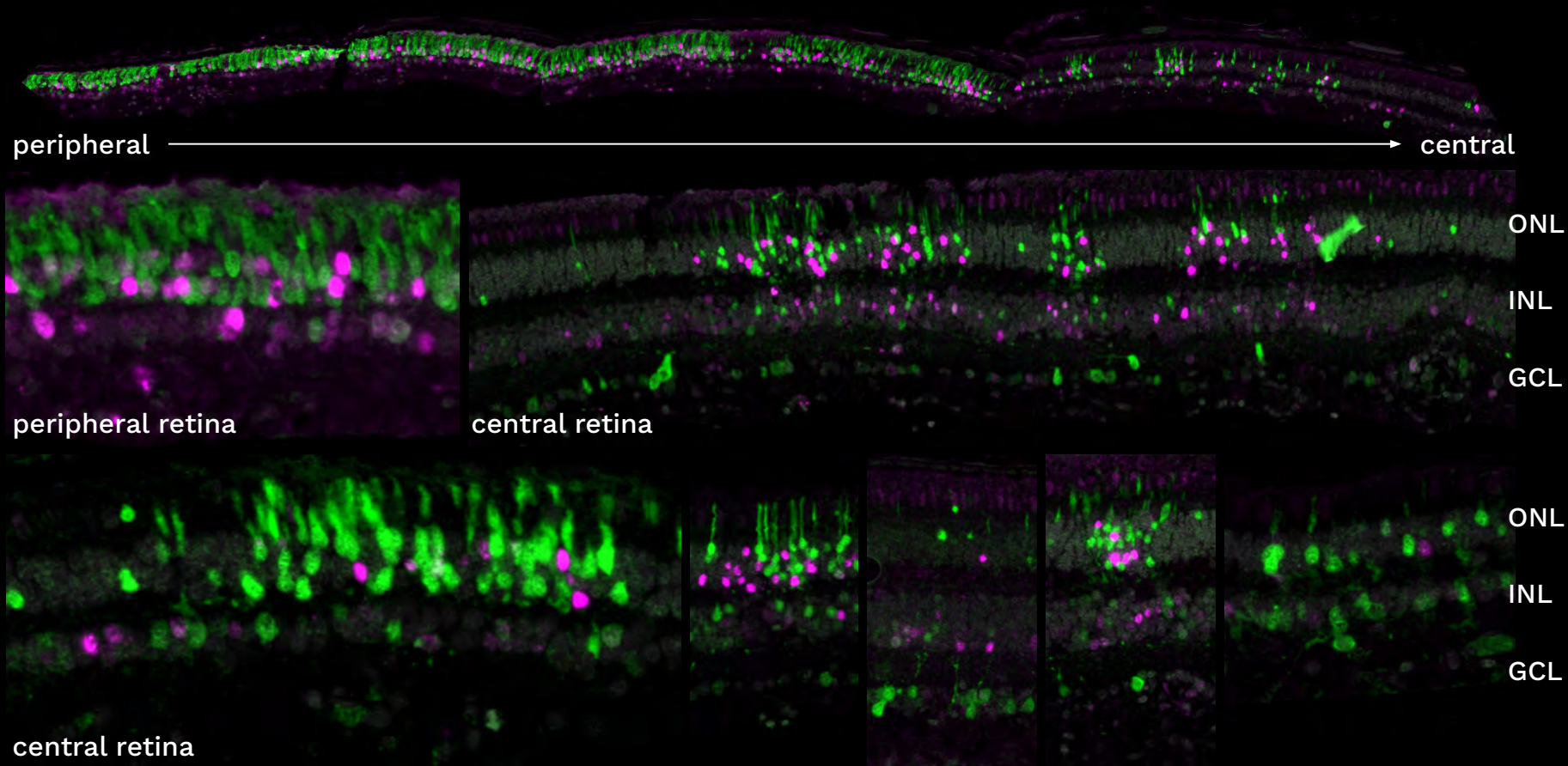
Dyno-86m capsid (8.1e10 vg) +  
external engineered capsid (9.3e10 vg)



# Head-to-head comparison

2 capsids co-injected, reporter swap

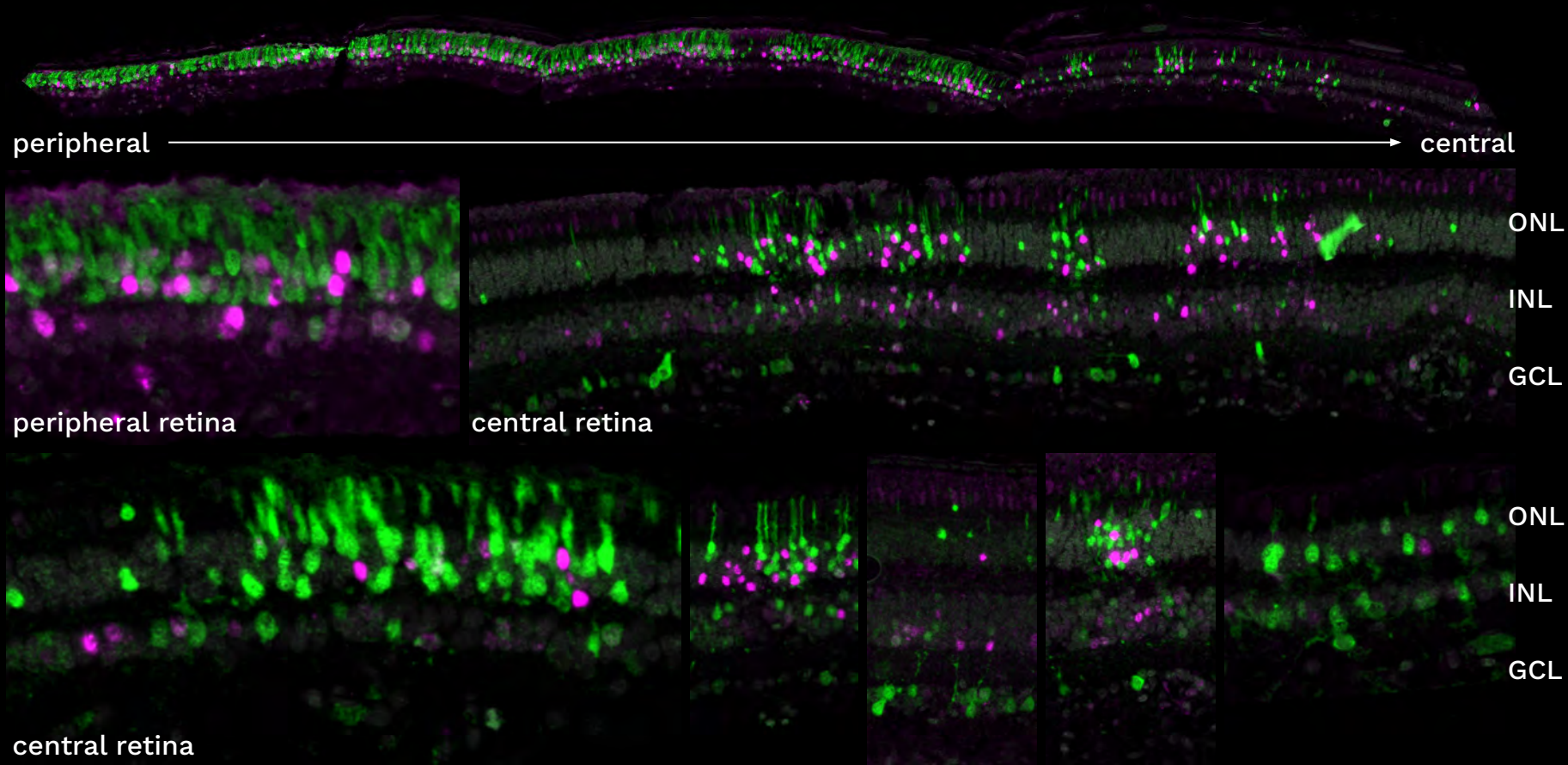
**Dyno-86m capsid** ( $7.8e10$  vg) +  
**external engineered capsid** ( $1.1e11$  vg)



# Head-to-head comparison

2 capsids co-injected, reporter swap

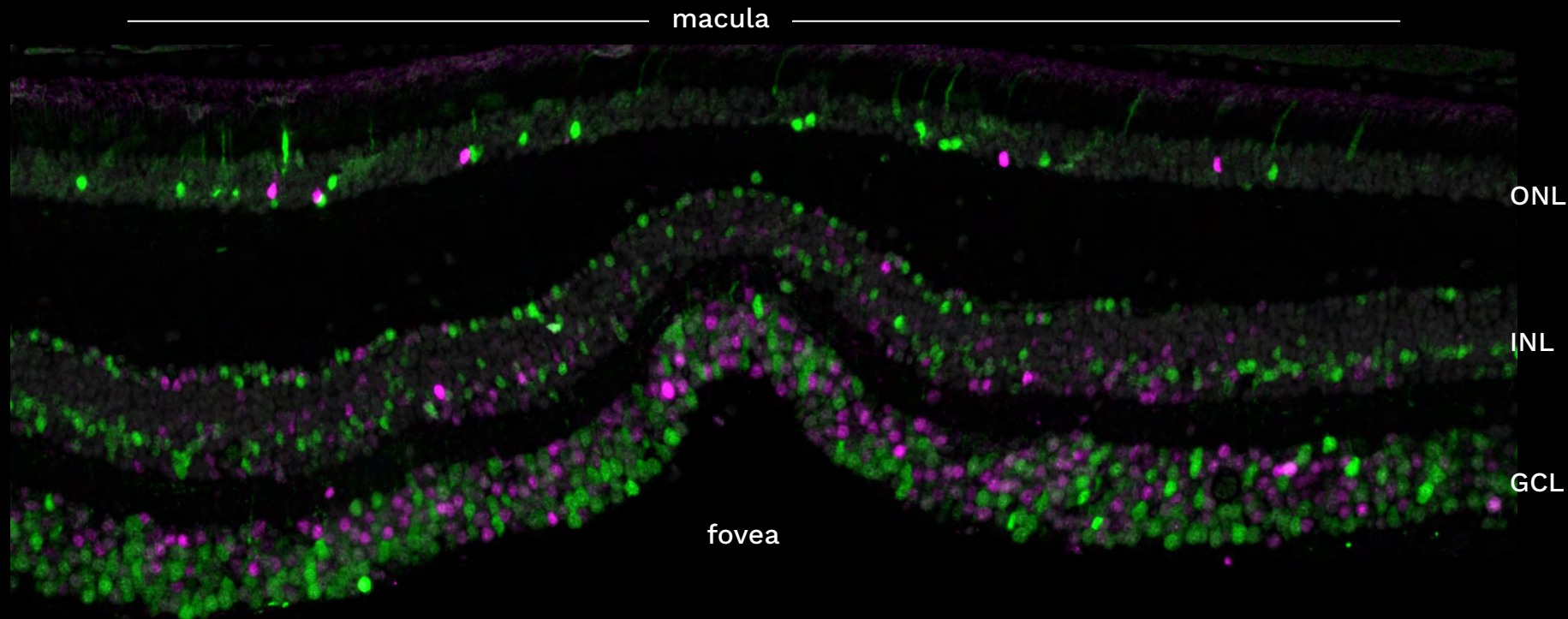
**Dyno-86m capsid** ( $7.8e10$  vg) +  
**external engineered capsid** ( $1.1e11$  vg)



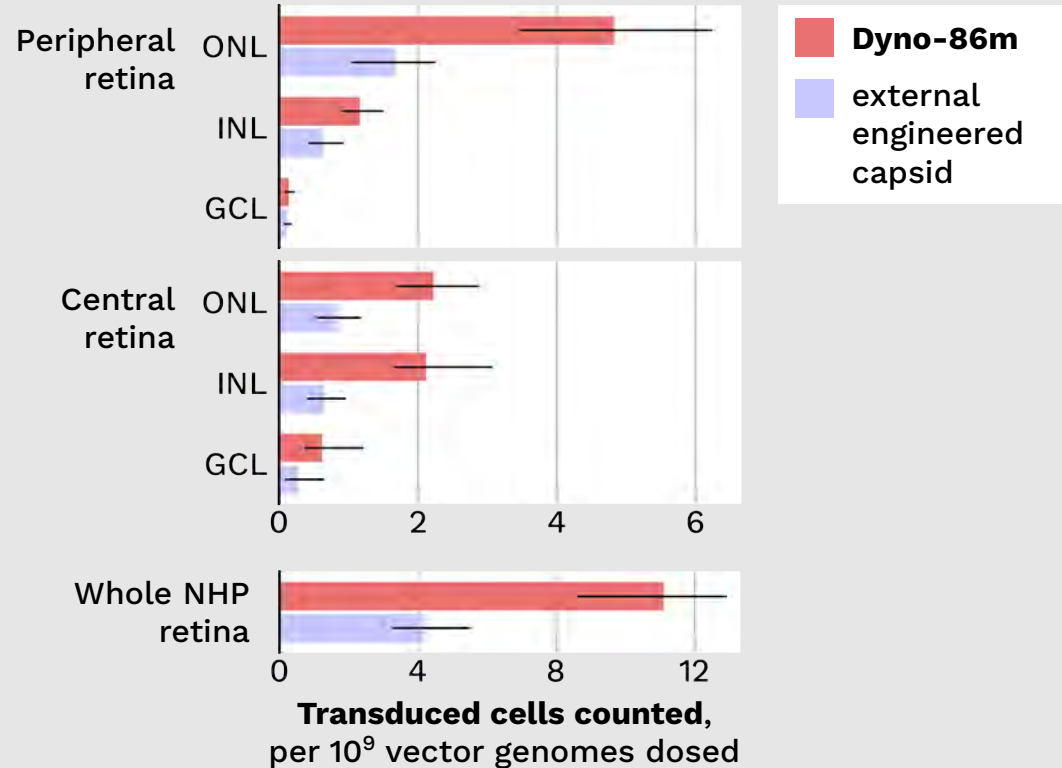
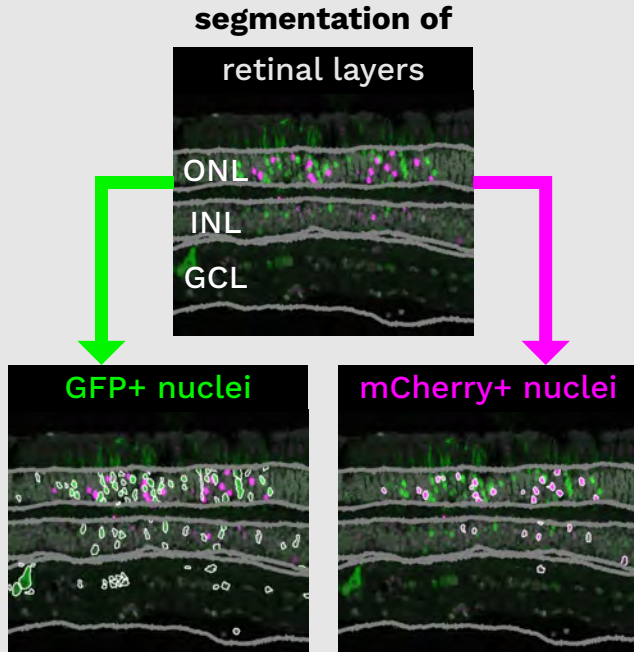
# Head-to-head comparison

2 capsids co-injected, reporter swap

**Dyno-86m capsid** ( $7.8e10$  vg) +  
**external engineered capsid** ( $1.1e11$  vg)



# Quantifying capsid properties

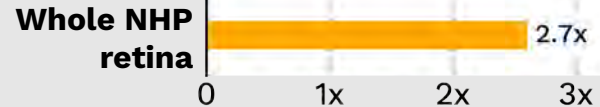
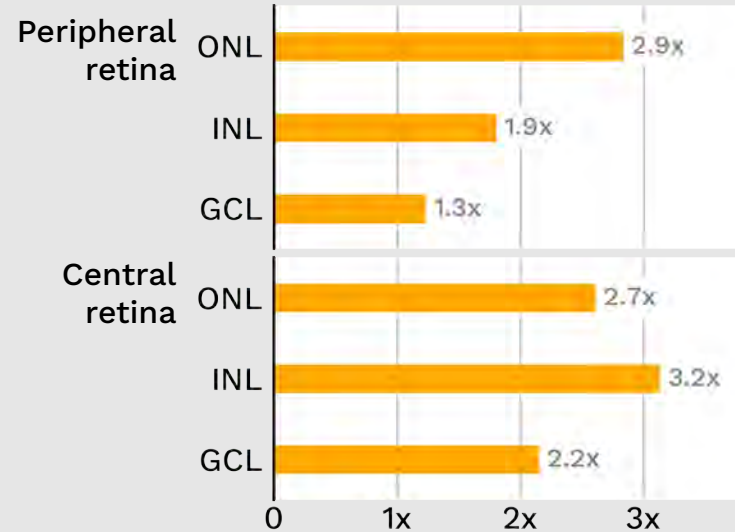


# Intravitreal injection

Dyno-86m vs external  
engineered capsid

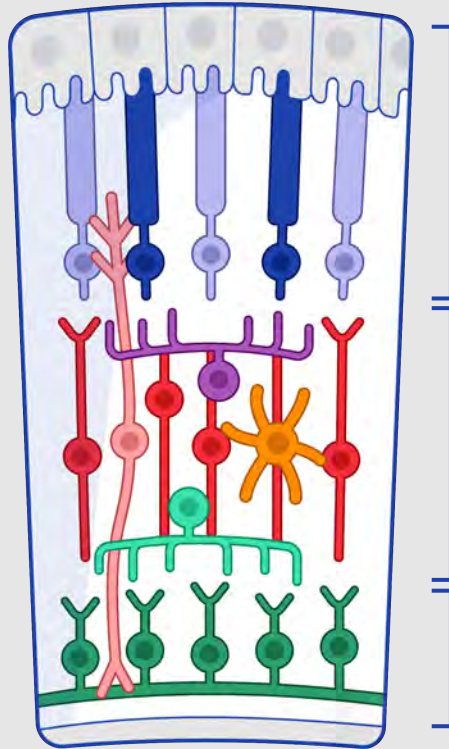
quantified by histology:

**Dyno-86m  
transduces  
2.7x more cells.**



Fold-change, **Dyno-86m** vs  
external engineered capsid

# Cell type tropism



## Outer nuclear layer

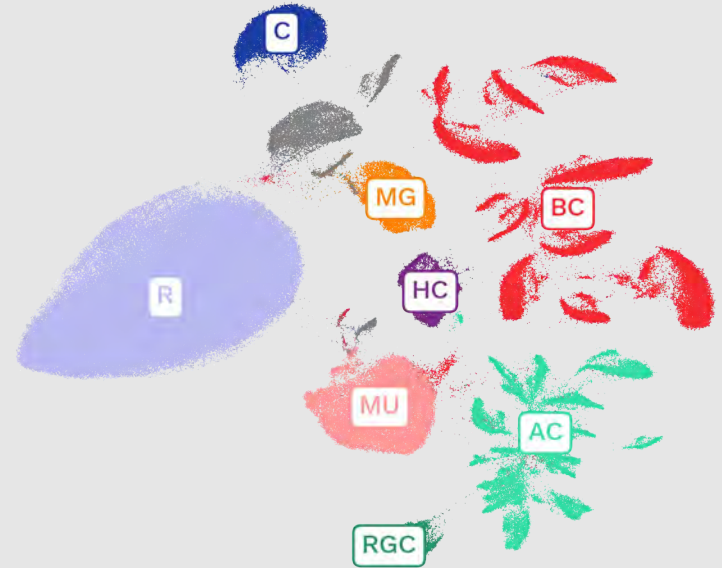
Rods  
Cones

## Inner nuclear layer

Horizontal cells  
Bipolar cells  
Müller glia  
Microglia  
Amacrine cells

## Ganglion cell layer

Retinal ganglion cells

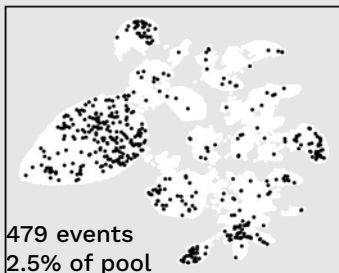
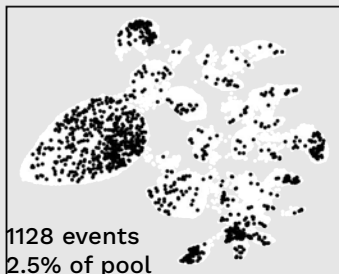


Single-nuclei RNA sequencing  
of NHP retina

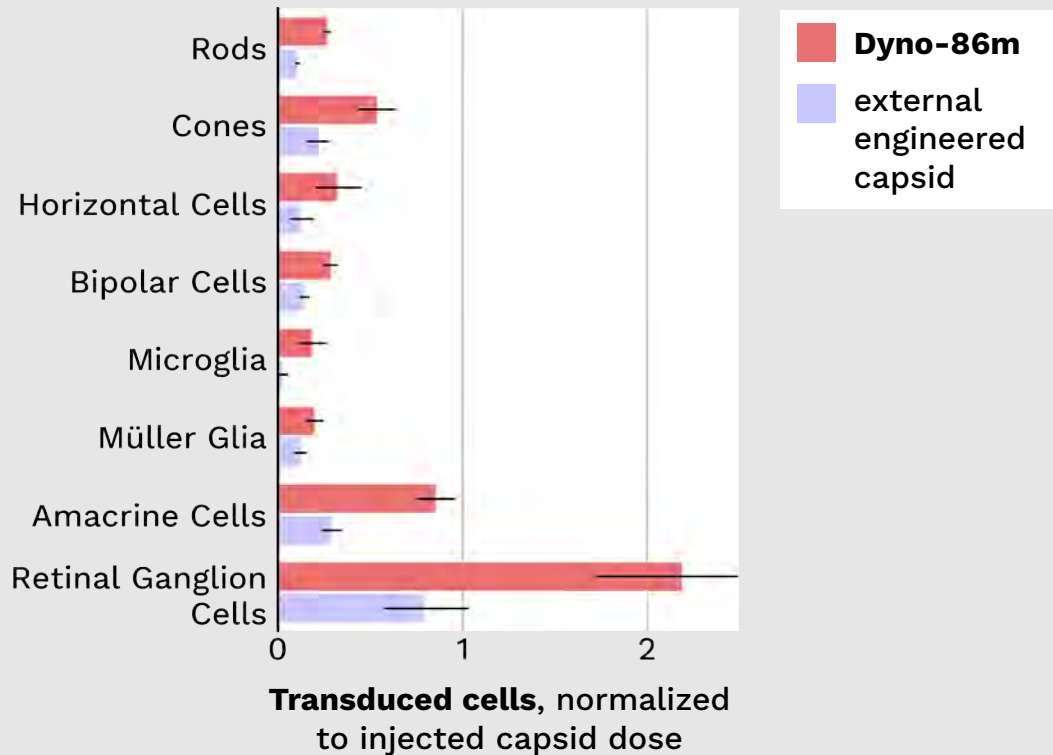


# Cell type tropism

## Dyno-86m



## External engineered capsid





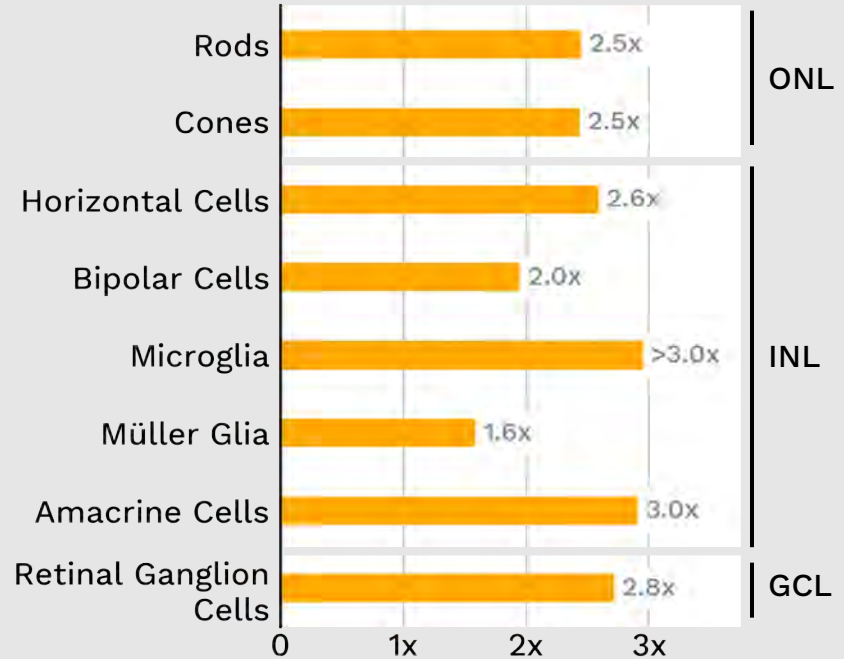
# Intravitreal injection

Dyno-86m vs external  
engineered capsid

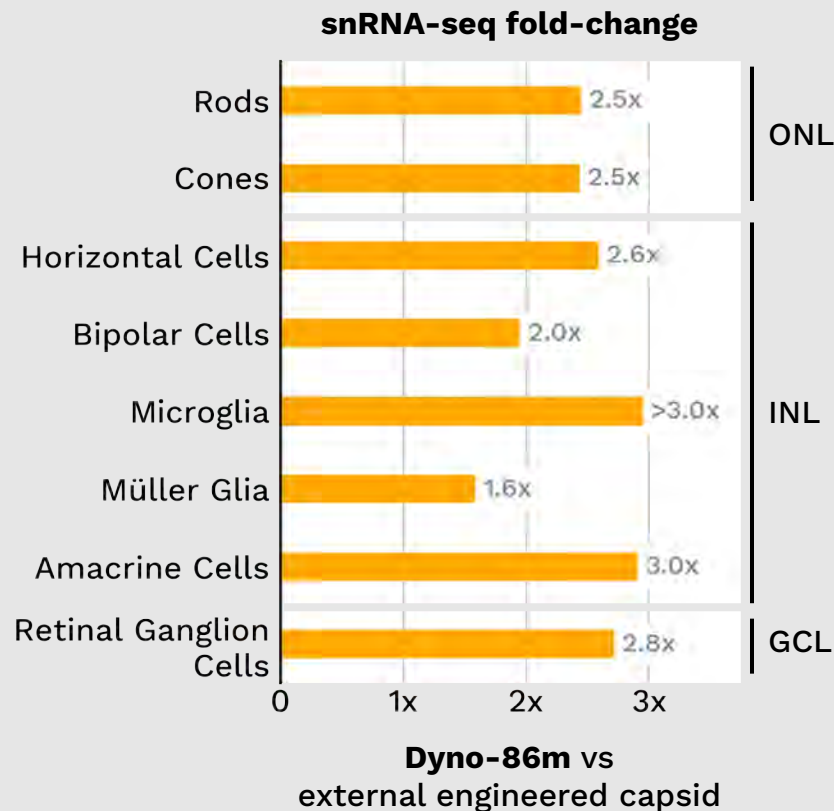
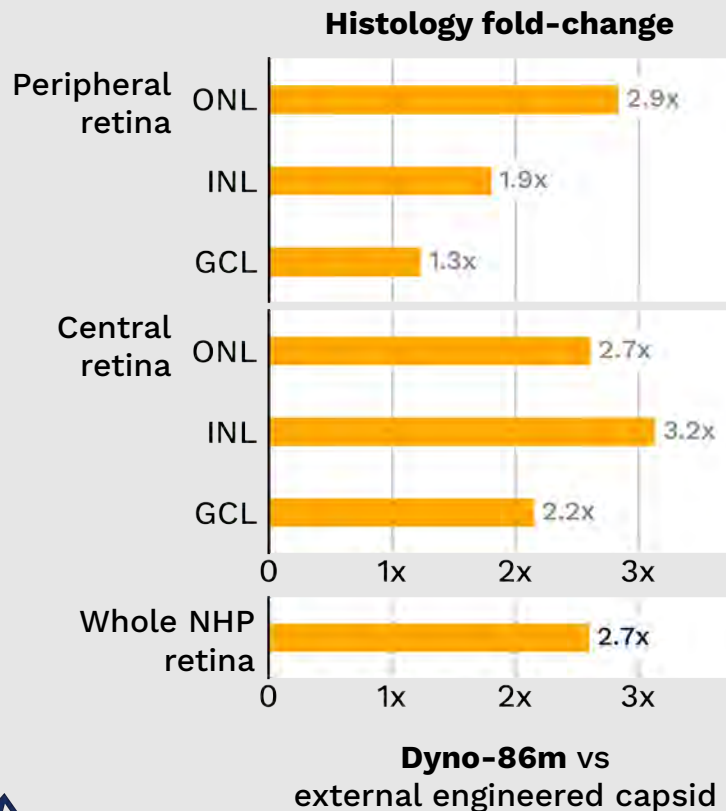
quantified by single-nuclei  
RNA sequencing:

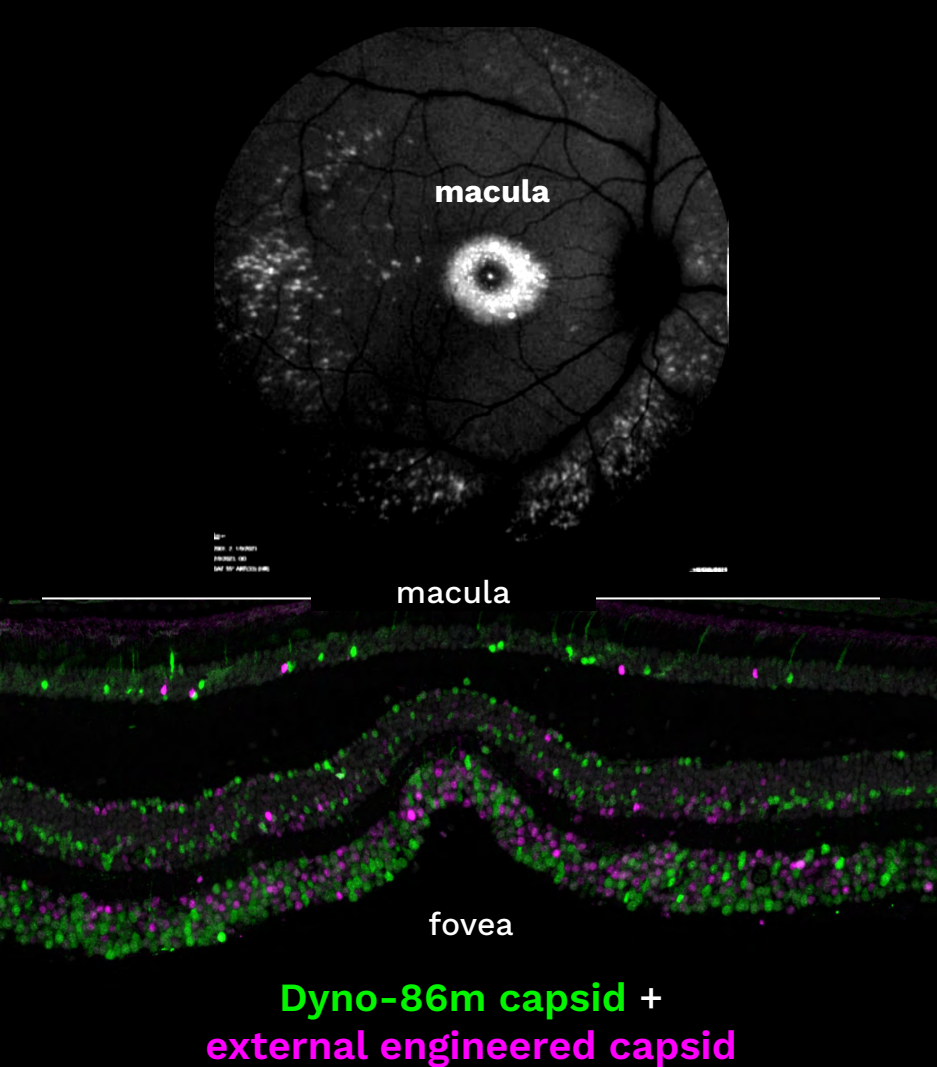
**Dyno-86m  
transduces  
2-3x more cells.**

**Fold-change, Dyno-86m vs  
external engineered capsid**

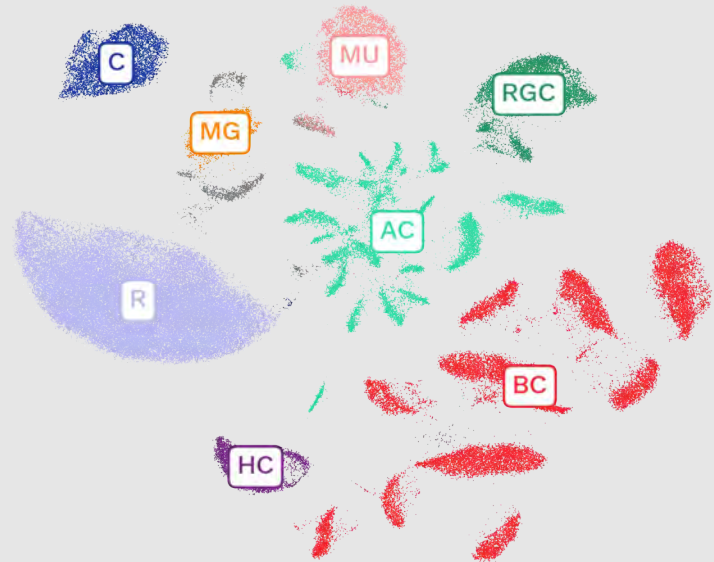


# Histology and snRNA-seq closely match





# snRNA-seq of macular retina



**94,000 total cells sequenced**

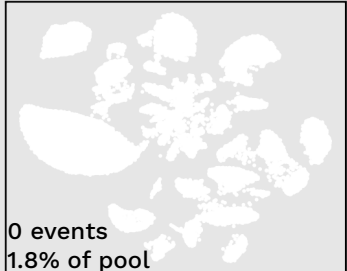
- |                       |                              |
|-----------------------|------------------------------|
| R : Rods              | MU : Müller glia             |
| C : Cones             | MG : Microglia               |
| HC : Horizontal cells | AC : Amacrine cells          |
| BC : Bipolar cells    | RGC : Retinal ganglion cells |

# snRNA-seq of macular retina

## 70 capsid pool

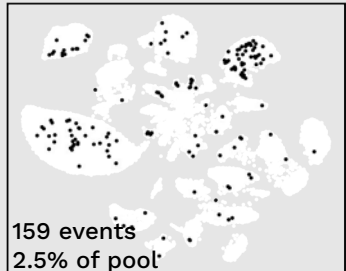
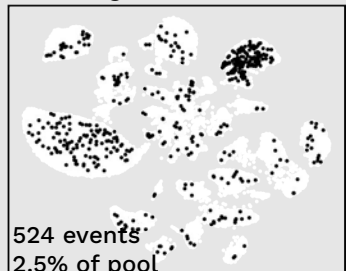
intravitreal  
co-injection in  
Cyno NHPs

4.3e11 vg total dose  
per eye

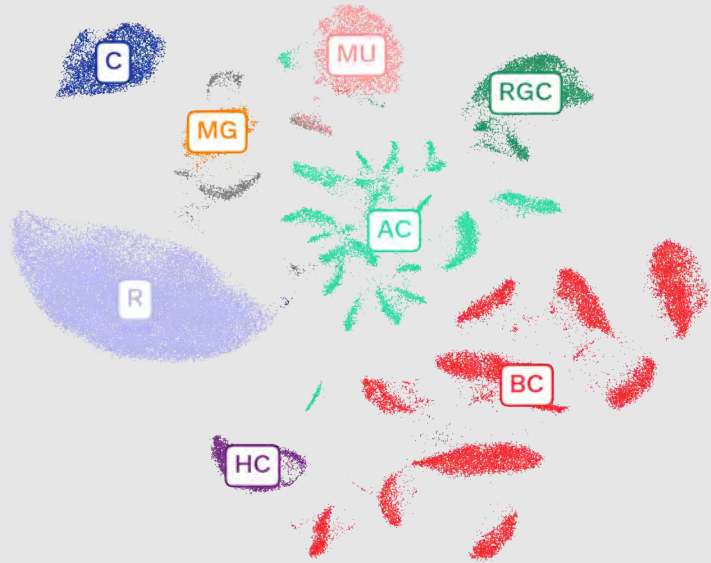


**AAV2**

## Dyno-86m



**External engineered capsid**



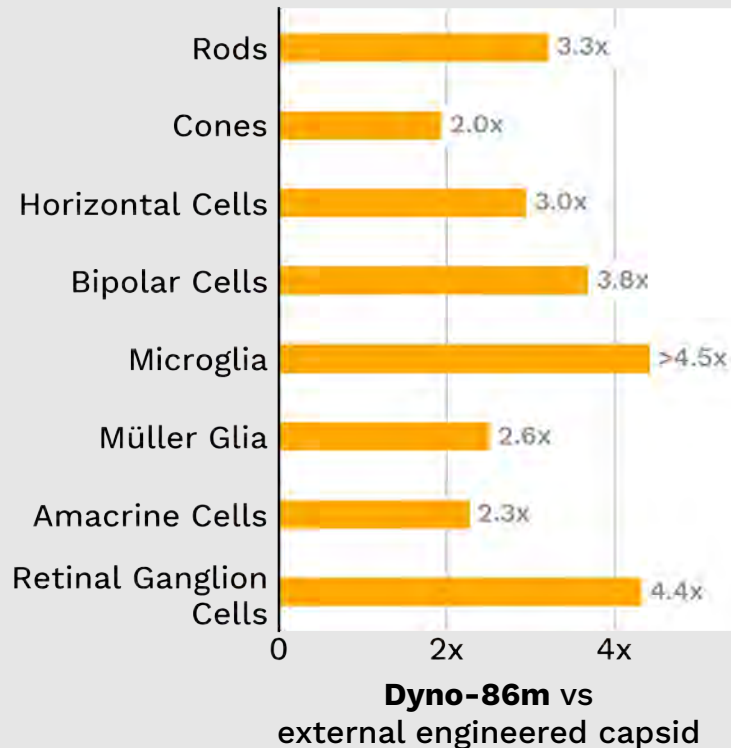
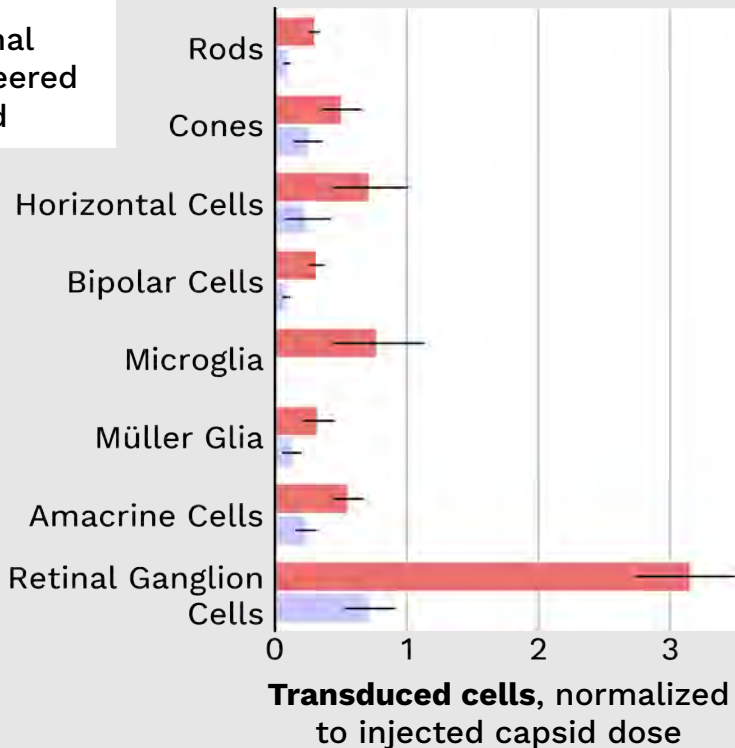
**94,000 total cells sequenced**

- R : Rods
- C : Cones
- MG : Microglia
- MU : Müller glia
- AC : Amacrine cells
- BC : Bipolar cells
- HC : Horizontal cells
- RGC : Retinal ganglion cells



# Dyno-86m outperforms external engineered capsid in macular region

**Dyno-86m**  
external  
engineered  
capsid



# Dyno-86m

Designed by Dyno  
using **proprietary data** and **generative AI**

**Thoroughly validated** in NHPs  
for human translatability

**Dyno's best capsid** for intravitreal delivery  
assessed by histology, bulk NGS and snRNA-seq

Available for **immediate licensing**



Abstract 1284:

**“Dyno-86m: Optimizing Intravitreal  
Delivery to the Non-Human Primate  
Retina with Machine-Guided AAV  
Capsid Design”**



usi

e AI

Thoro

NHPs

Dyno

very

assesse

NA-seq



>100,000 capsids  
scale

next iteration using  
**all proprietary data**  
and **generative AI**



>100,000 capsids  
scale

**Dyno-86m**  
**designed and tested**



## Dyno-gvk

**2x transduction** vs Dyno-86m

**4-6x transduction** vs external  
IVT engineered capsid

1-100 capsids  
scale

**Dyno-86m**  
**validated**





# Dyno's best capsids for IVT eye delivery



**Dyno-86m**

Dyno-gvk

## Dyno-86m

**1x production** vs AAV2

**80x transduction** vs AAV2

**2-3x transduction** vs external IVT  
engineered capsid

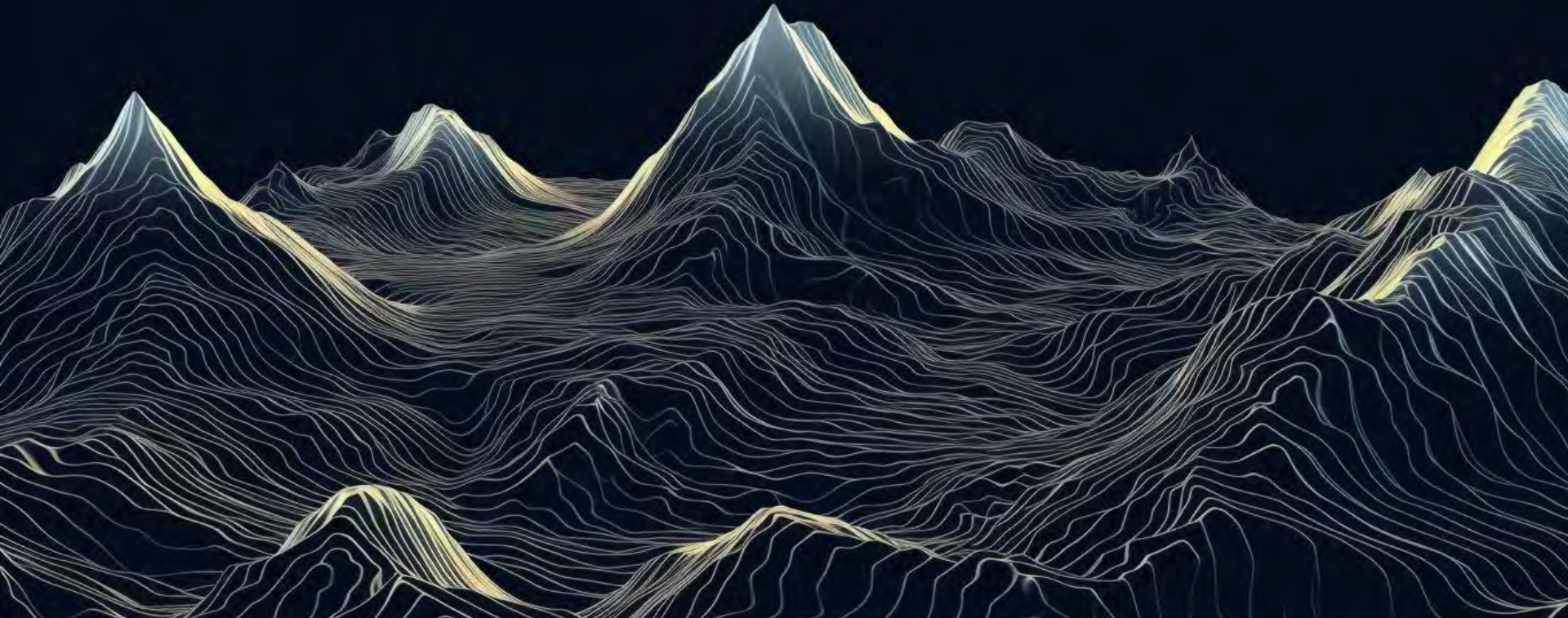
## Dyno-gvk

**2x transduction** vs Dyno-86m

**4-6x transduction** vs external  
IVT engineered capsid



# Dyno Brain Capsids





# Dyno **b**Cap 1 delivery

Designed using **Generative AI** for IV delivery **pan-brain** and across the **CNS**

**1x** production vs AAV9

**10x** liver detargeting vs AAV9

**100x** brain transduction vs AAV9

**Field-leading potential**

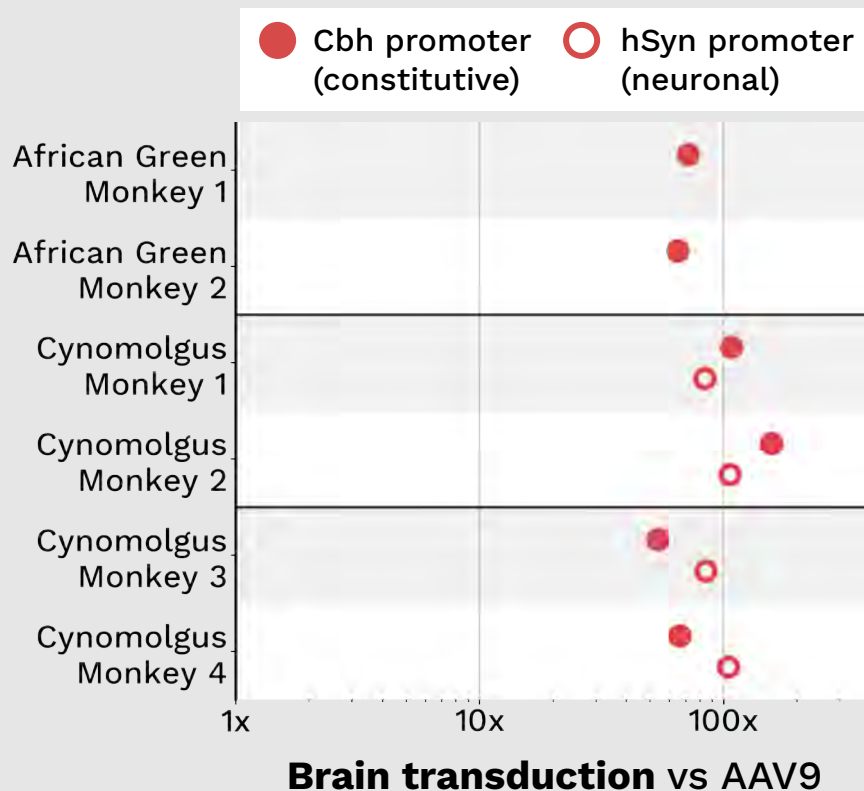
in **head-to-head** comparison with external engineered capsids

# Consistent 100x improved CNS transduction

>100,000 capsids  
scale

Generative AI design

*in vivo* NHP  
measurement



>100,000 capsids  
scale

**Generative AI** design

*in vivo* NHP  
measurement

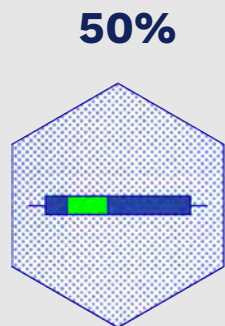


1-100 capsids  
scale

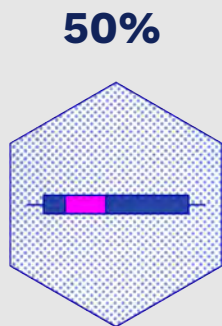
*in vivo* NHP  
validation



# Validating Dyno bCap 1 delivery



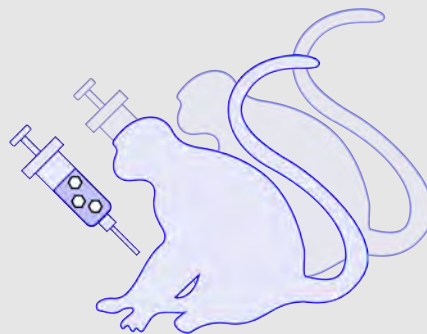
**Dyno bCap 1**  
capsid with  
CBh-**GFP**



**AAV9** capsid  
with  
CBh-**mCherry**



**2 Cyno NHPs**



**1e13** vg/kg/capsid

**5e12** vg/kg/capsid

28 days in life



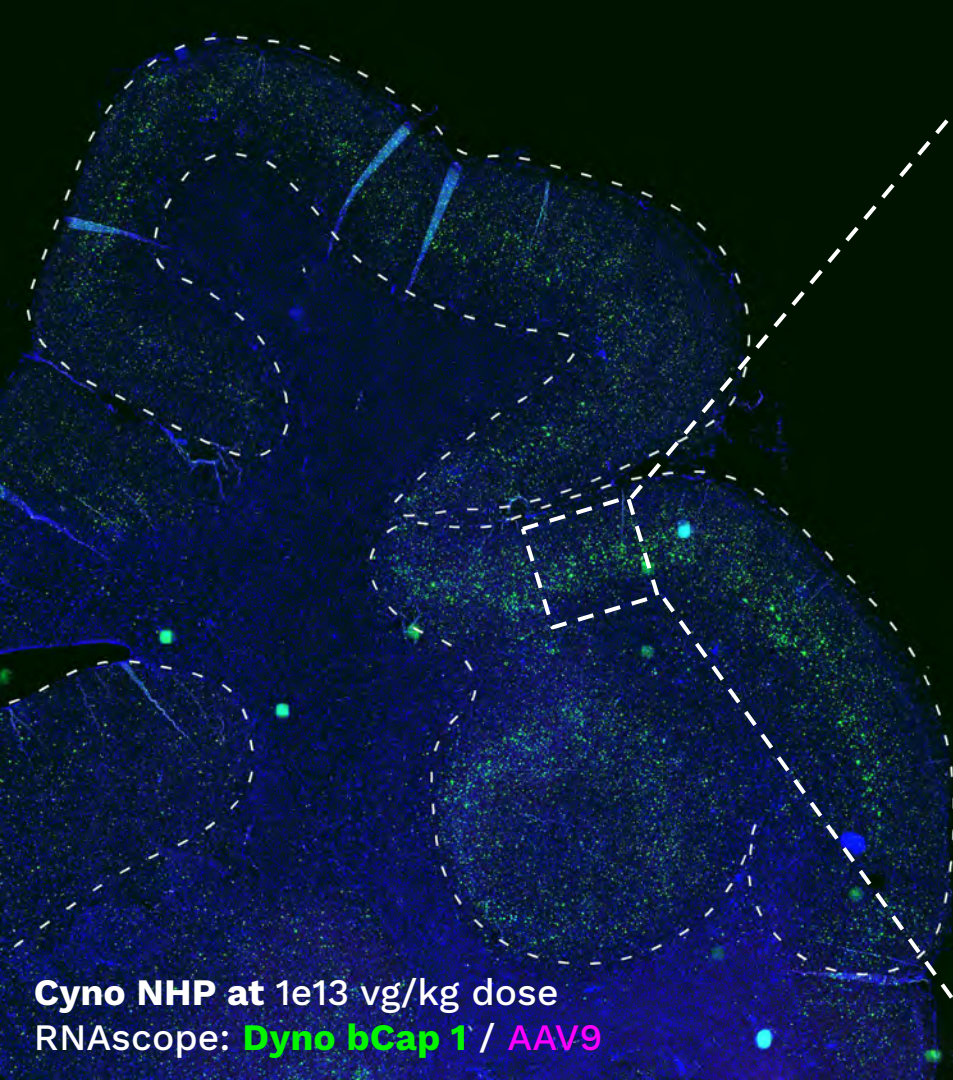
**Transduction (NGS)**

**Biodistribution (NGS)**

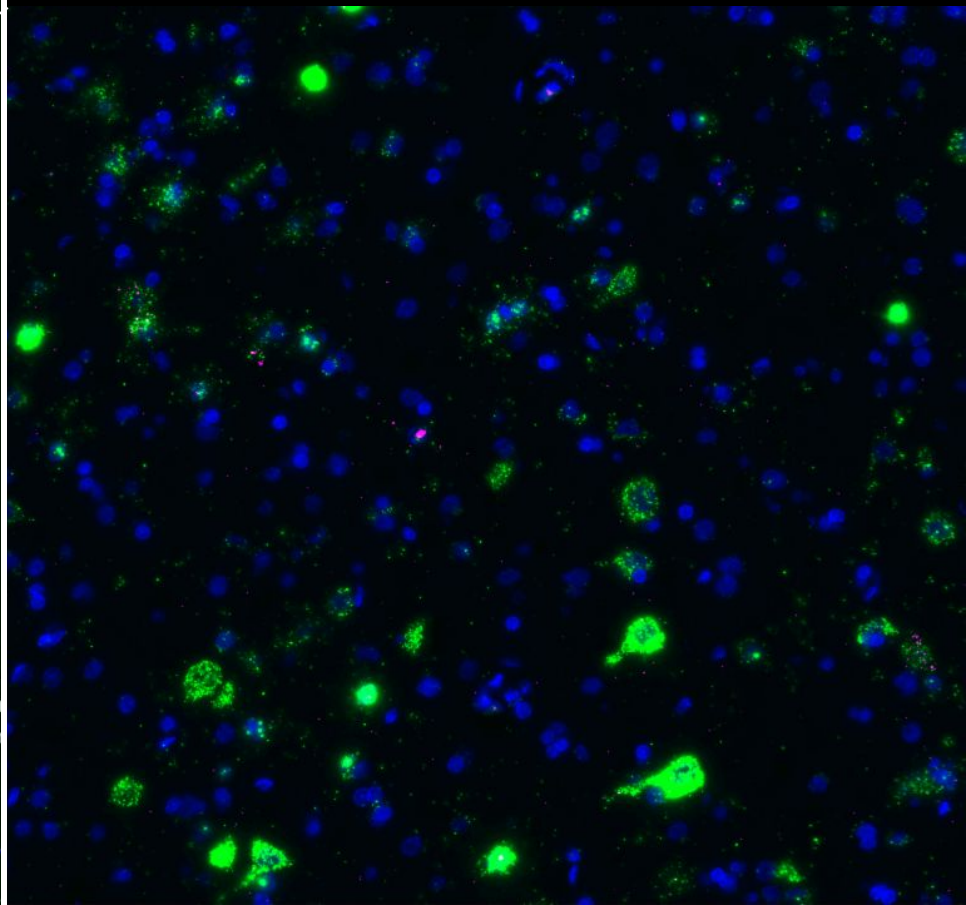
**RNAscope histology**

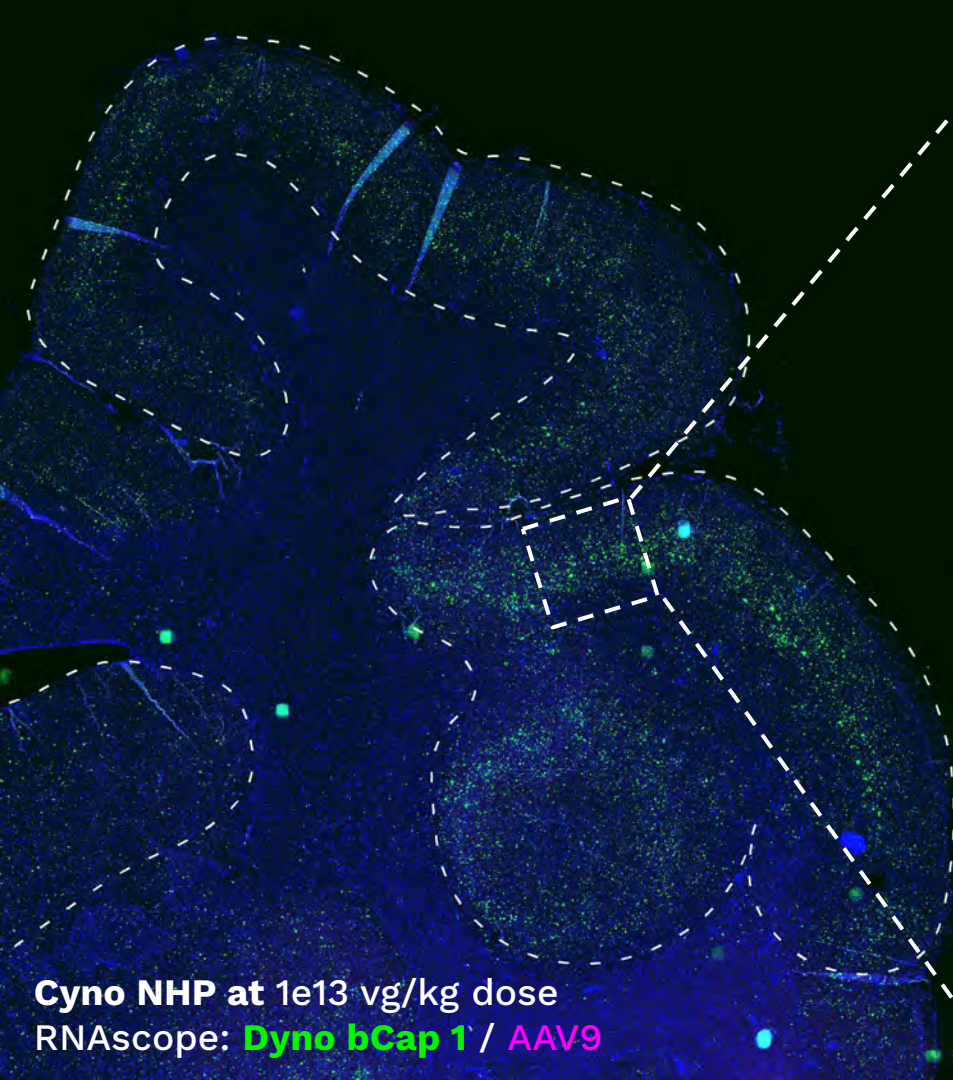
**IF and IHC histology**



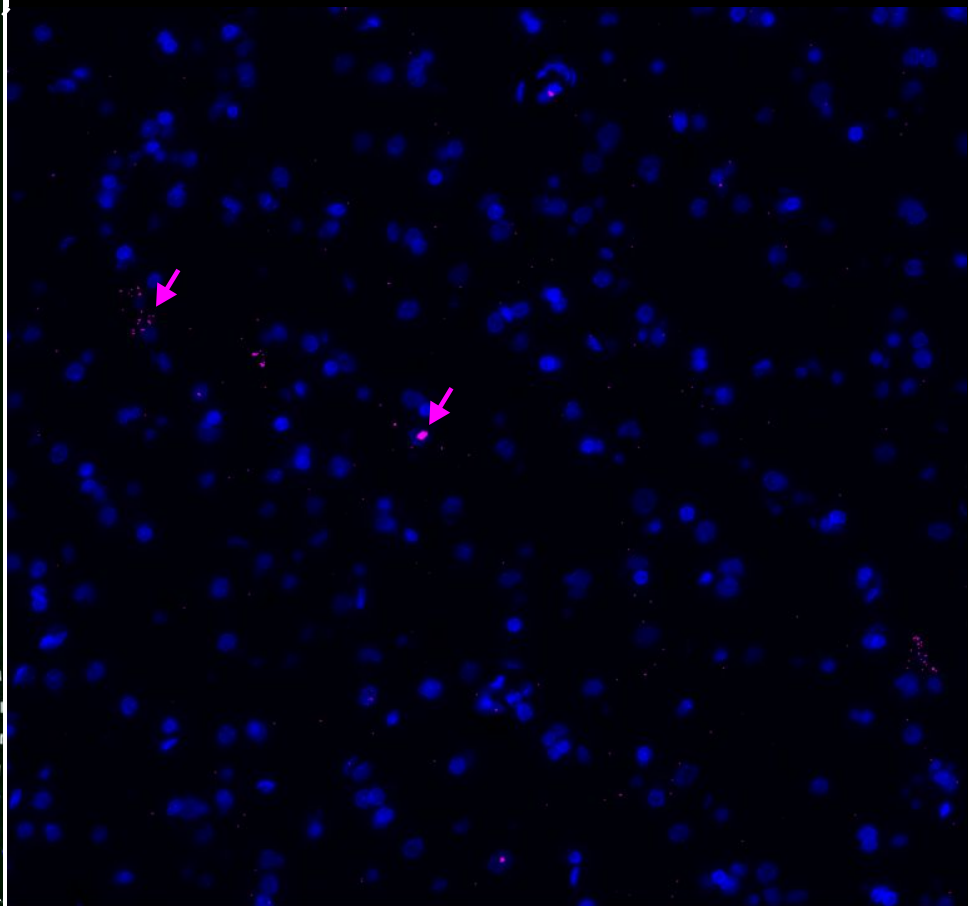


Motor cortex: 11% of cells transduced



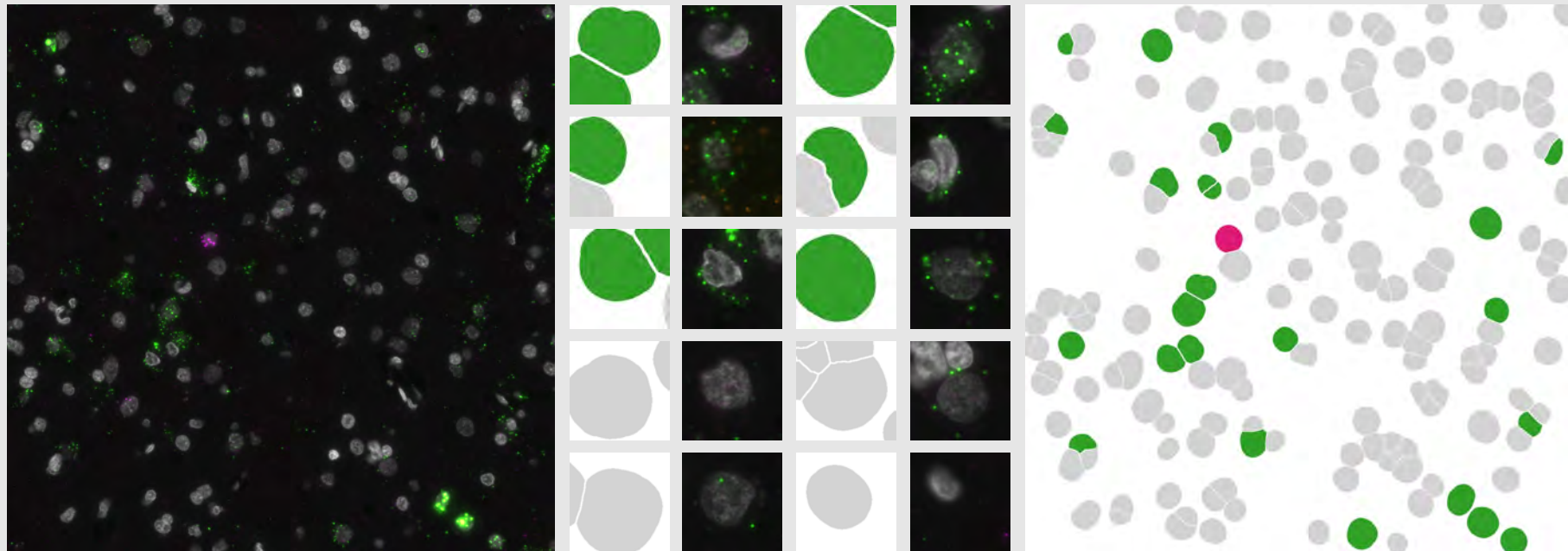


Motor cortex: minimal AAV9 transduction





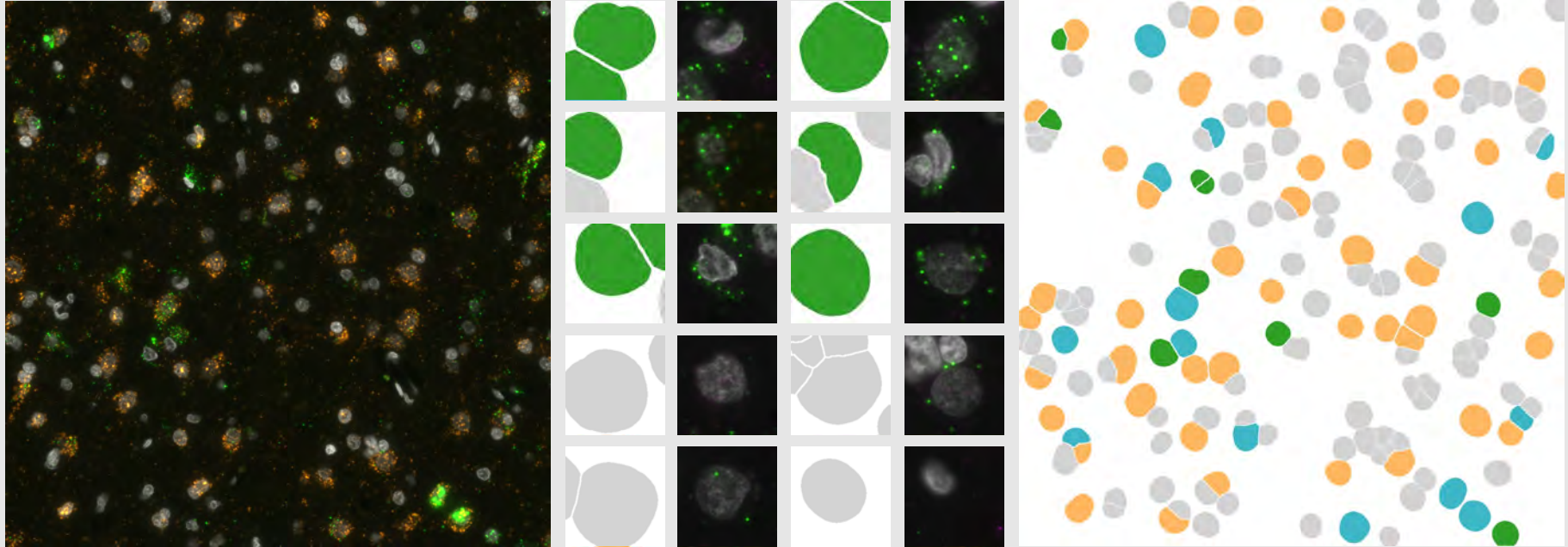
# Quantification of % total cells transduced



**■ Dyno bCap 1 transduction**    **■ Cell without transduction**    **■ AAV9 transduction**



# Quantification of % Fox3+ neurons transduced



Fox3 transcript encodes NeuN protein

**Dyno bCap 1** transduction in Fox3- cell

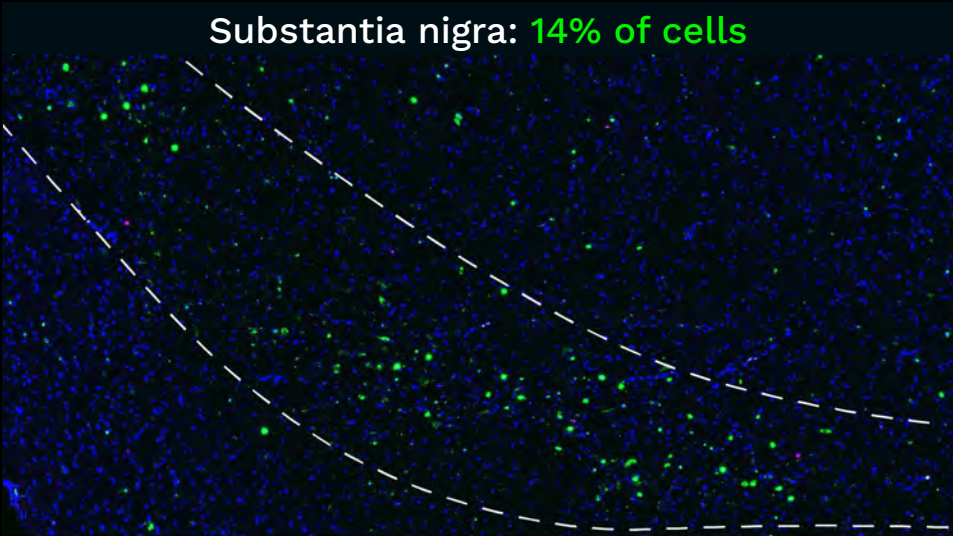
**Dyno bCap 1** transduction in Fox3+ neuron

Fox3- neuron without transduction

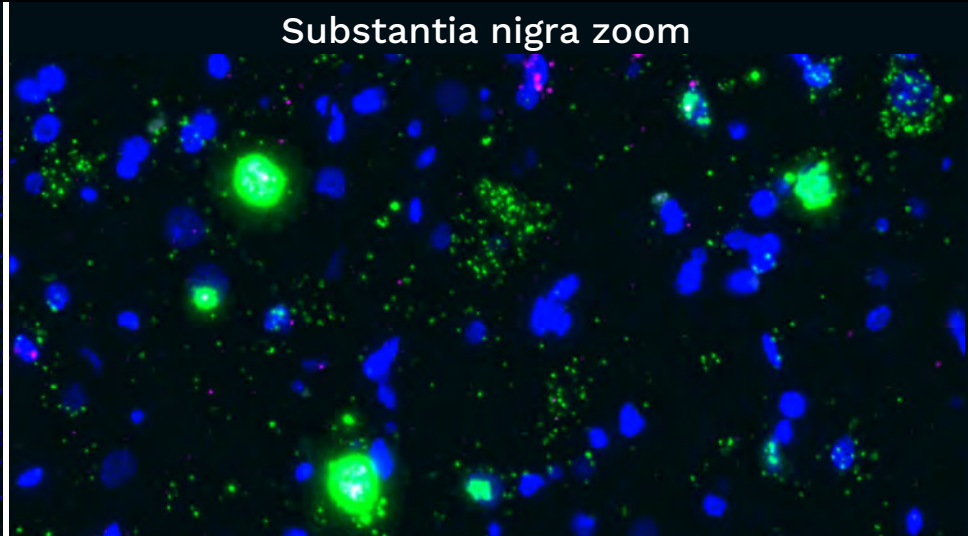
Fox3- cell without transduction



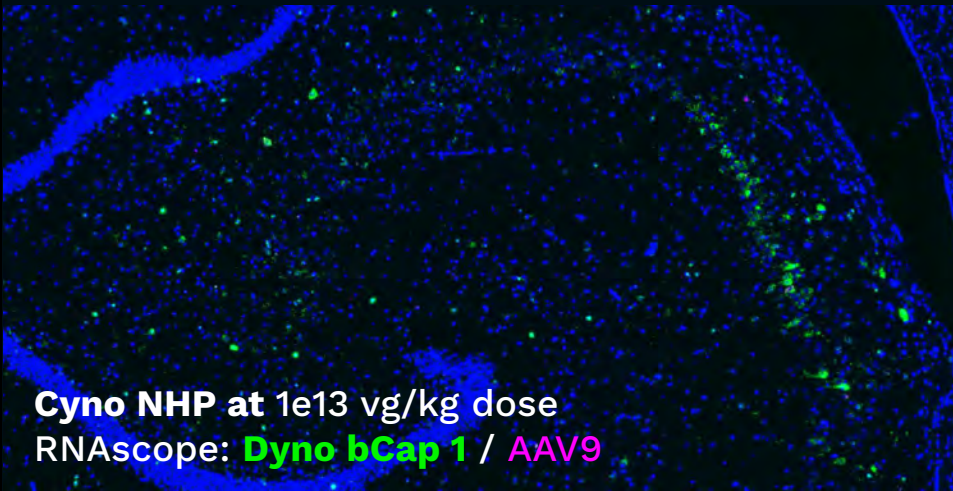
Substantia nigra: 14% of cells



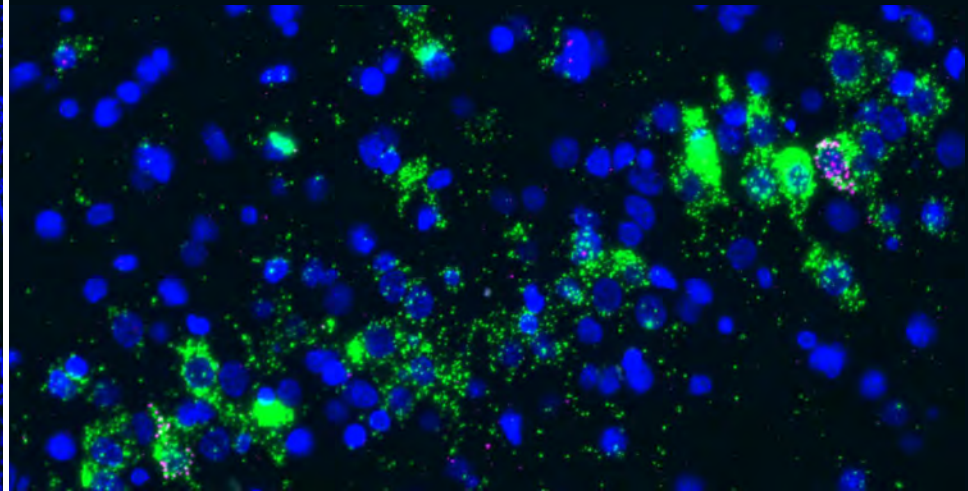
Substantia nigra zoom



Hippocampus: 10% of cells, 14% of Fox3 +neurons

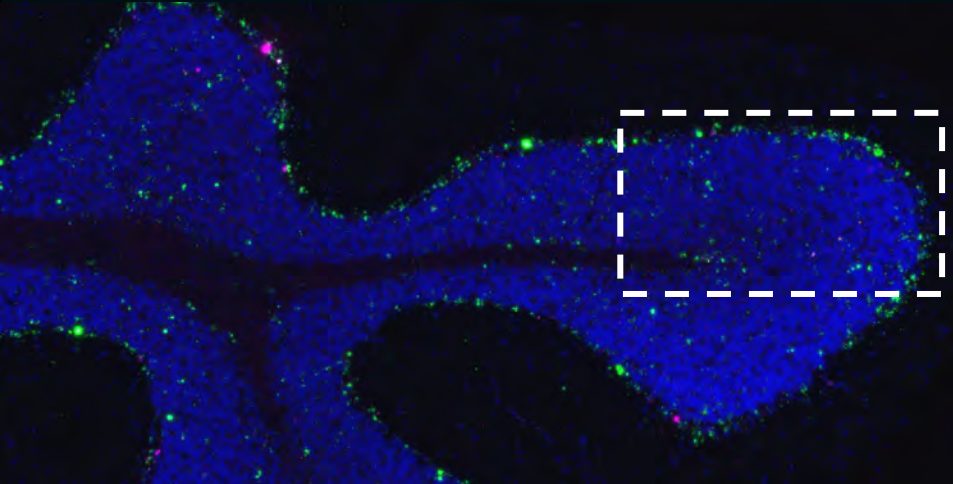


Hippocampus CA3 zoom

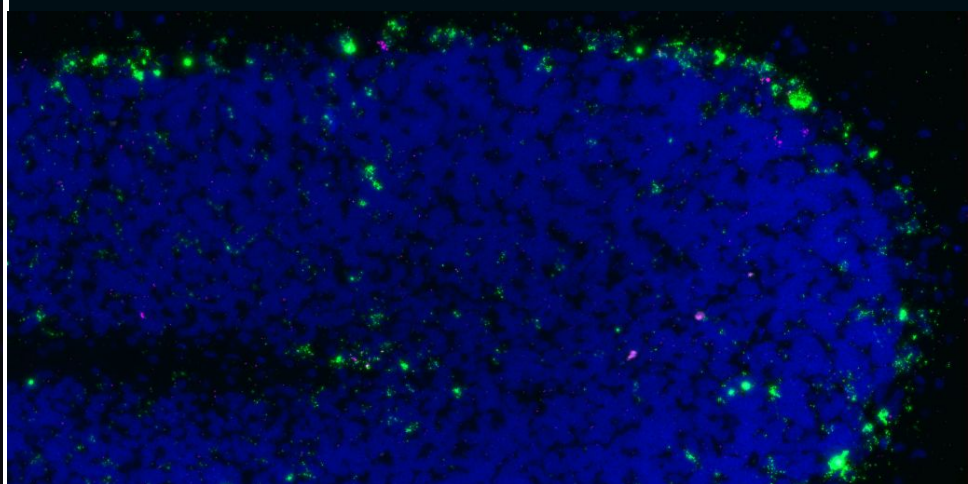


Cyno NHP at 1e13 vg/kg dose  
RNAscope: **Dyno bCap 1** / **AAV9**

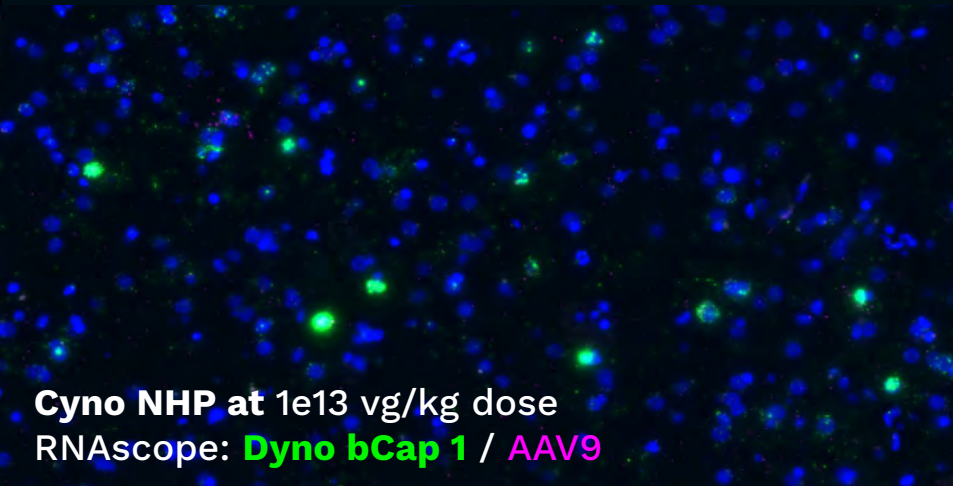
Cerebellum: 22% of Purkinje layer



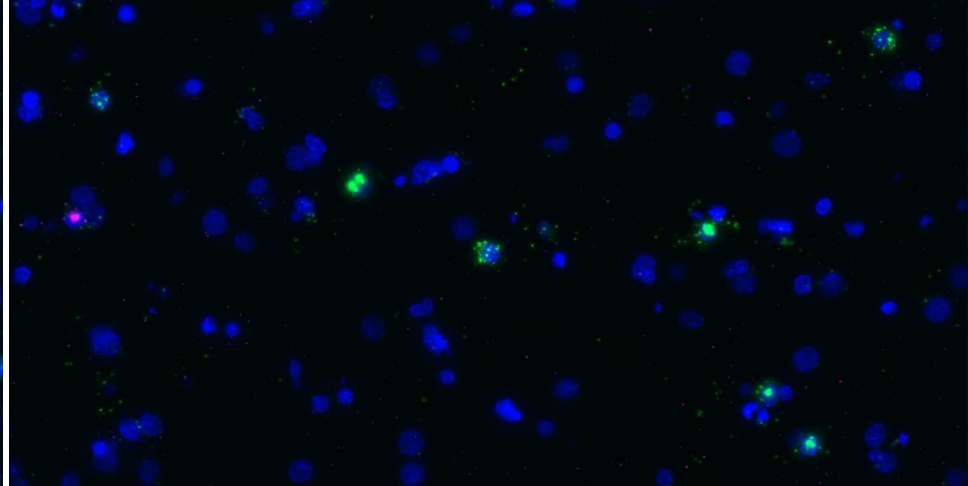
Purkinje layer zoom



Putamen: 9% of cells, 10% of Fox3 +neurons



Caudate: 6% of cells, 6% of Fox3 +neurons

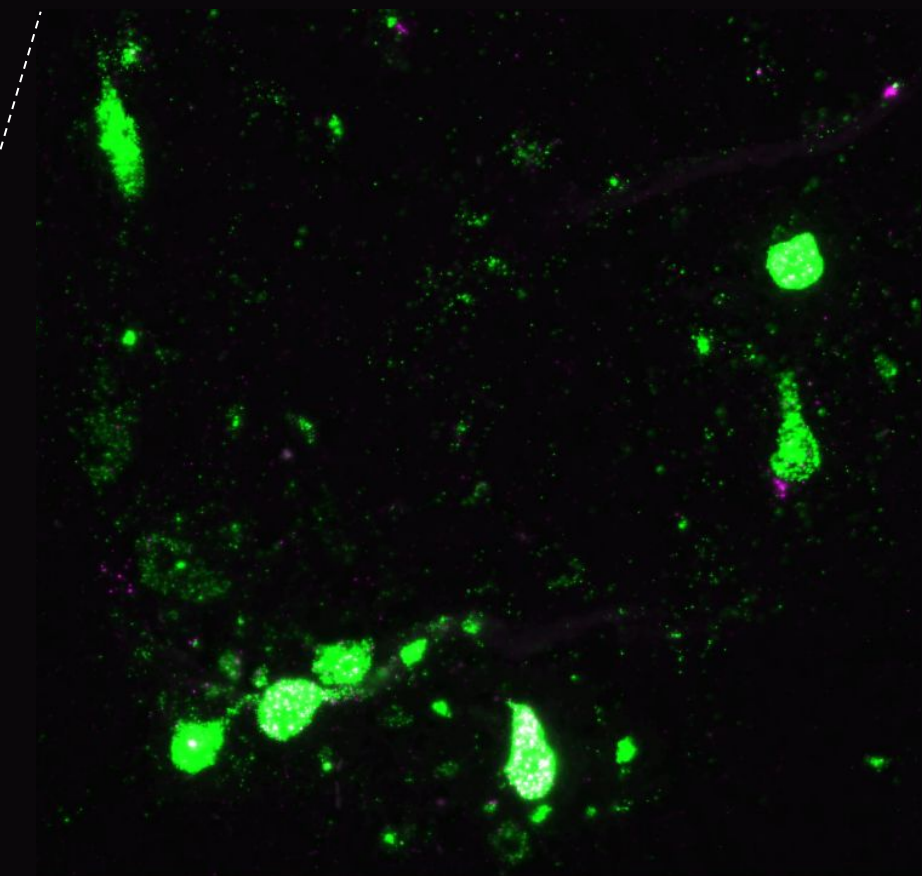
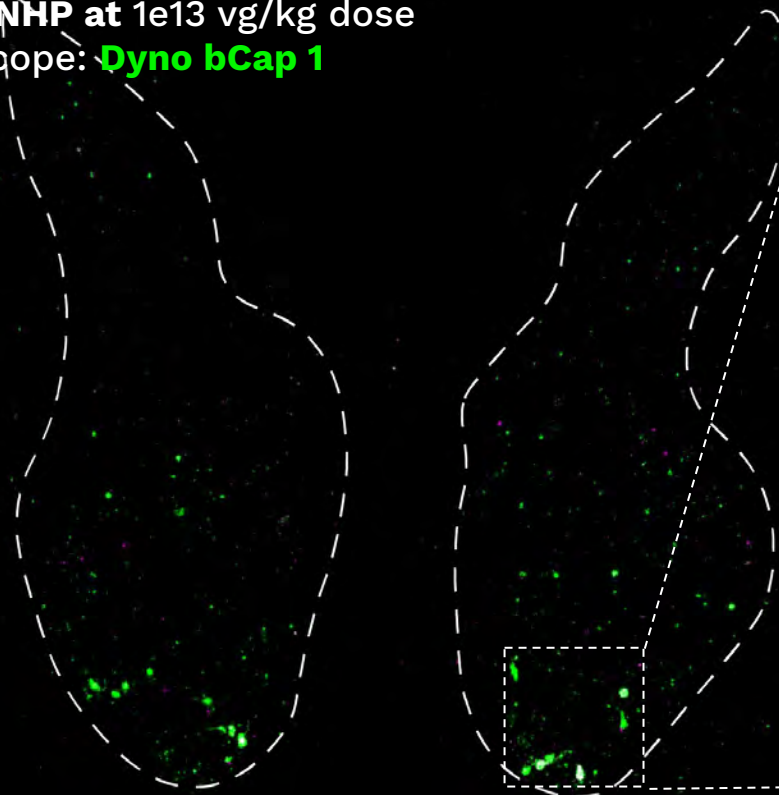


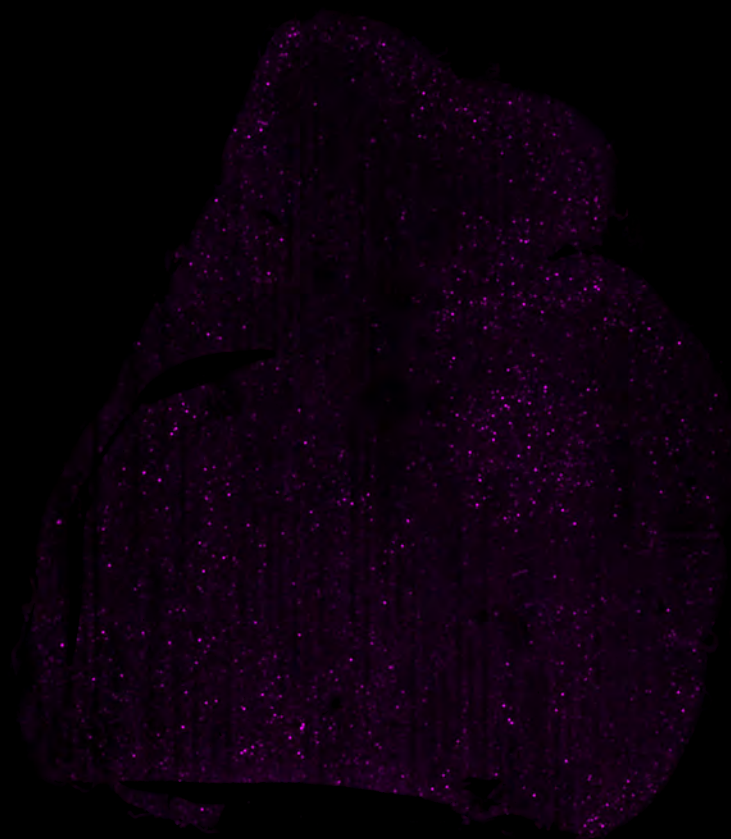
Cervical spinal cord:

11% of cells, 20% of Fox3 +neurons

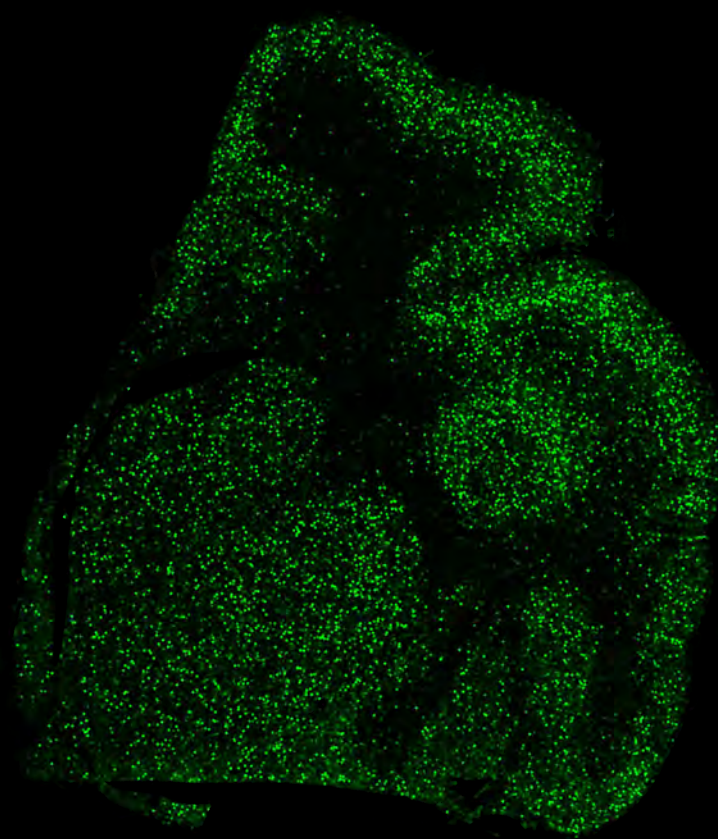
Cyno NHP at 1e13 vg/kg dose

RNAscope: **Dyno bCap 1**



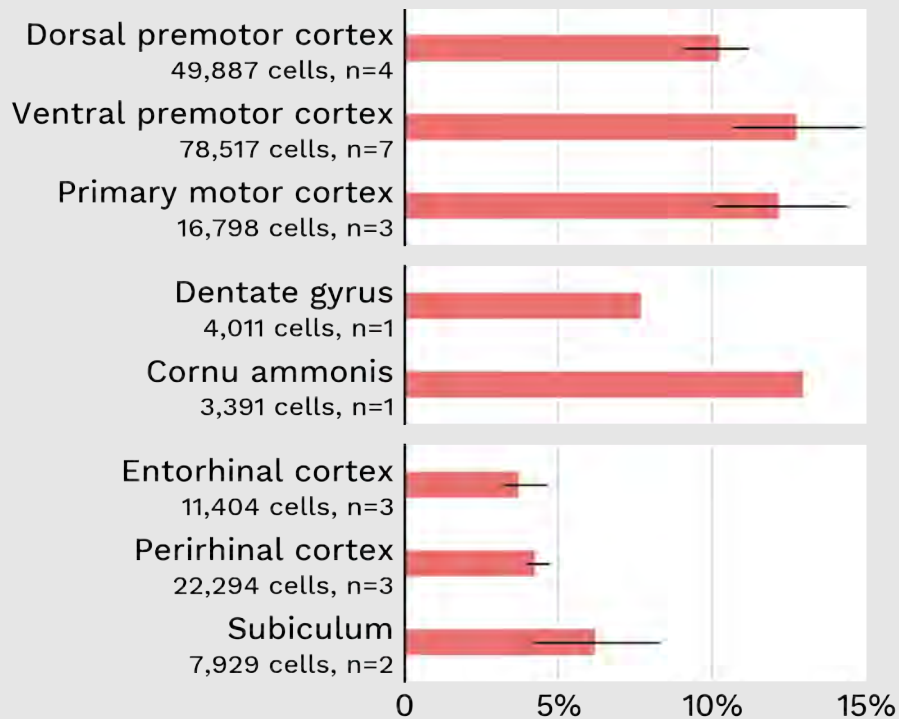
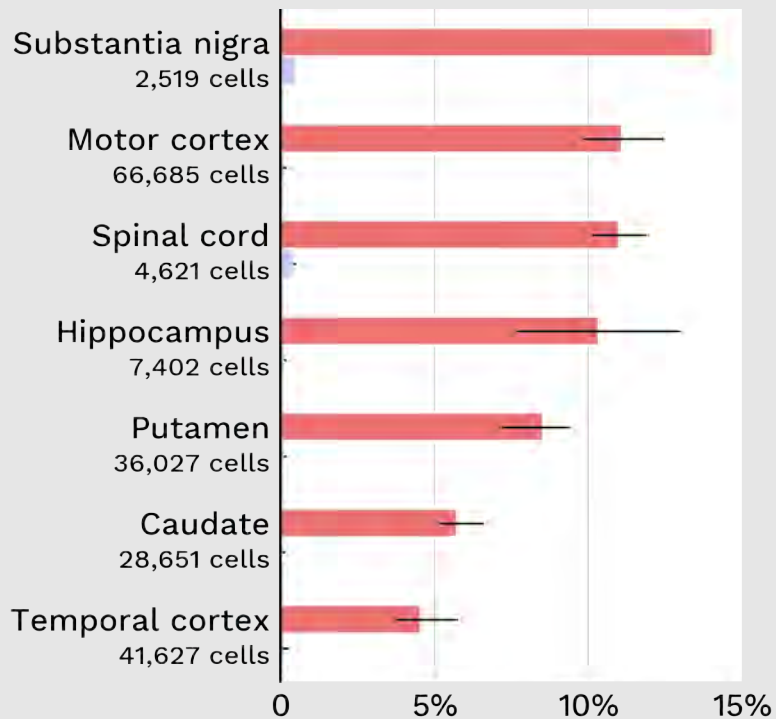


**AAV9 delivery**

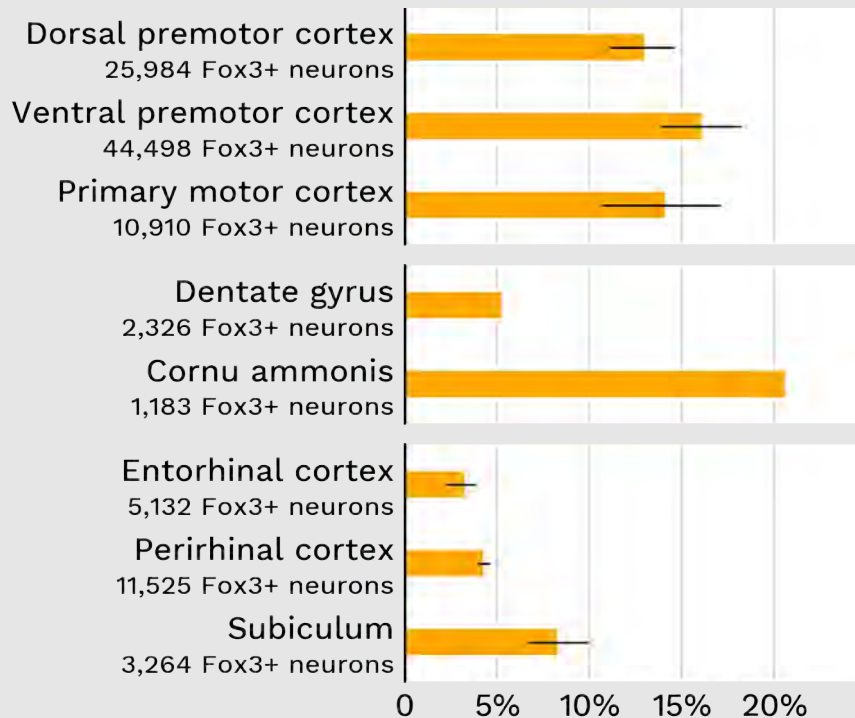
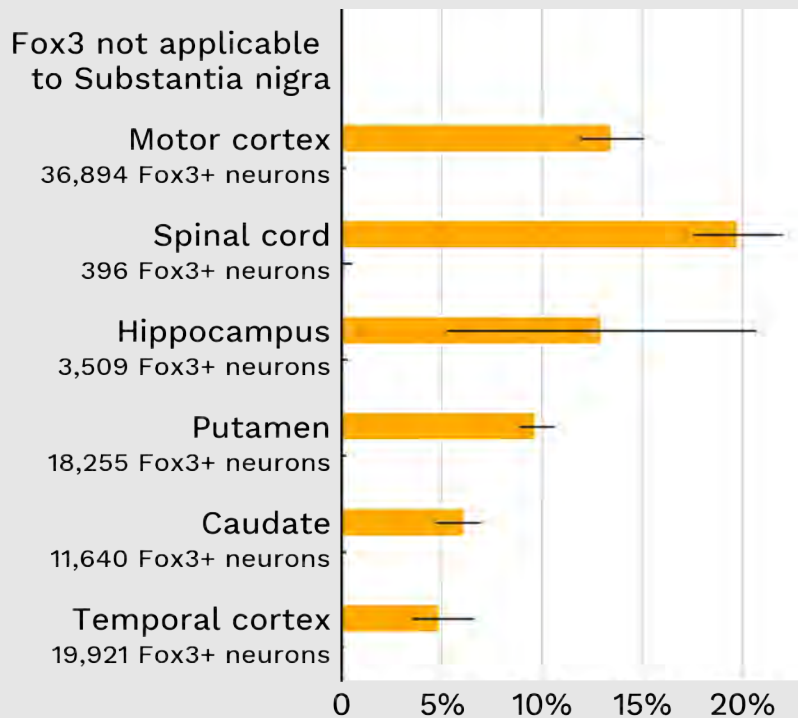


**Dyno bCap 1 delivery**

# Pan-brain transduction quantified from histology

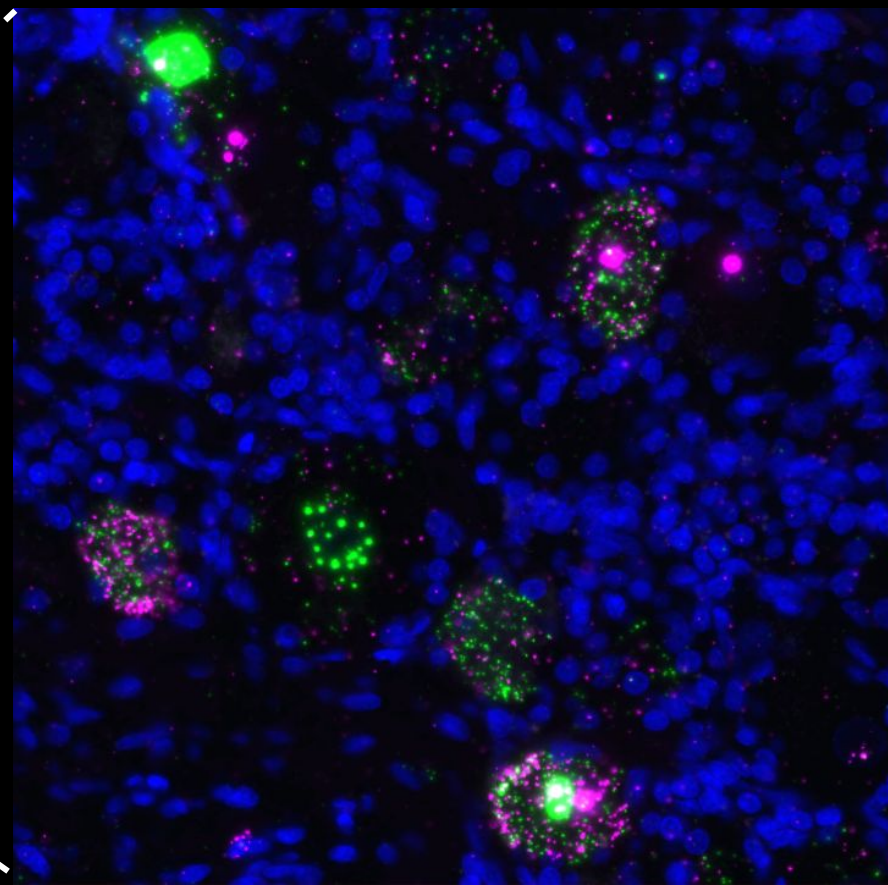
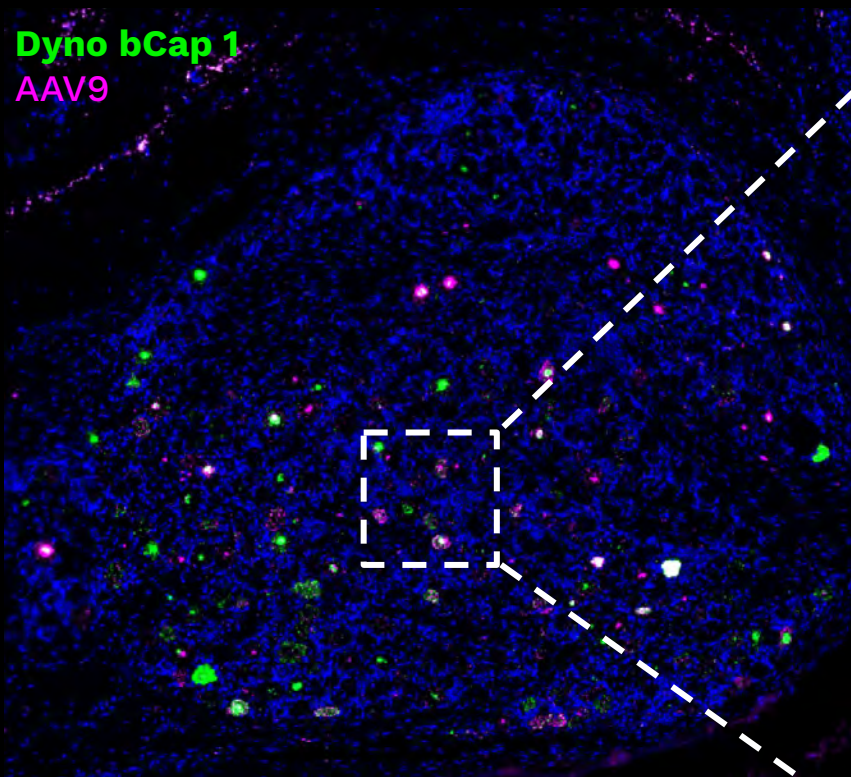


# Pan-brain neuronal transduction quantified from histology (in Fox3+ cells)





# Off-target DRG transduction similar to AAV9



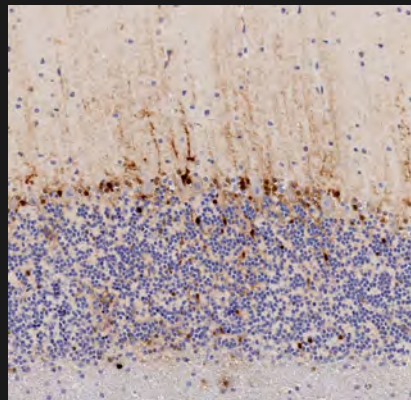
**Cyno NHP at 1e13 vg/kg dose**  
RNAscope: **Dyno bCap 1** / **AAV9**

# IHC confirms RNAscope quantification

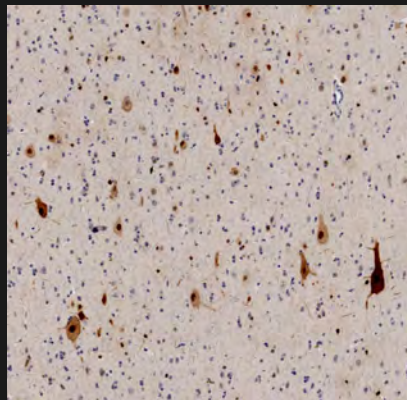
**Dyno bCap 1**  
(nuclear)



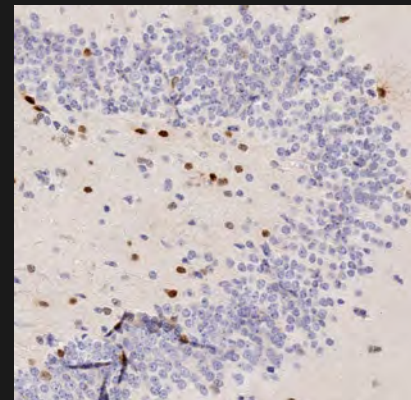
**Cerebellum**



**Purkinje Layer**

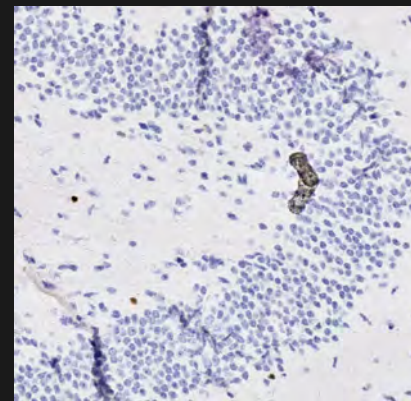
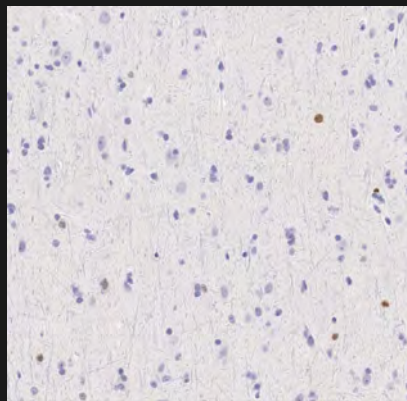
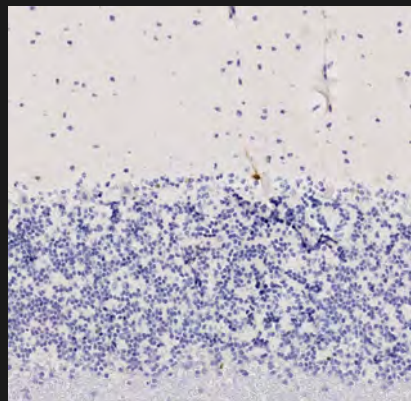
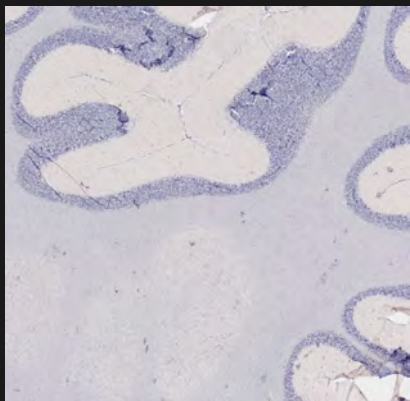


**Motor Cortex**

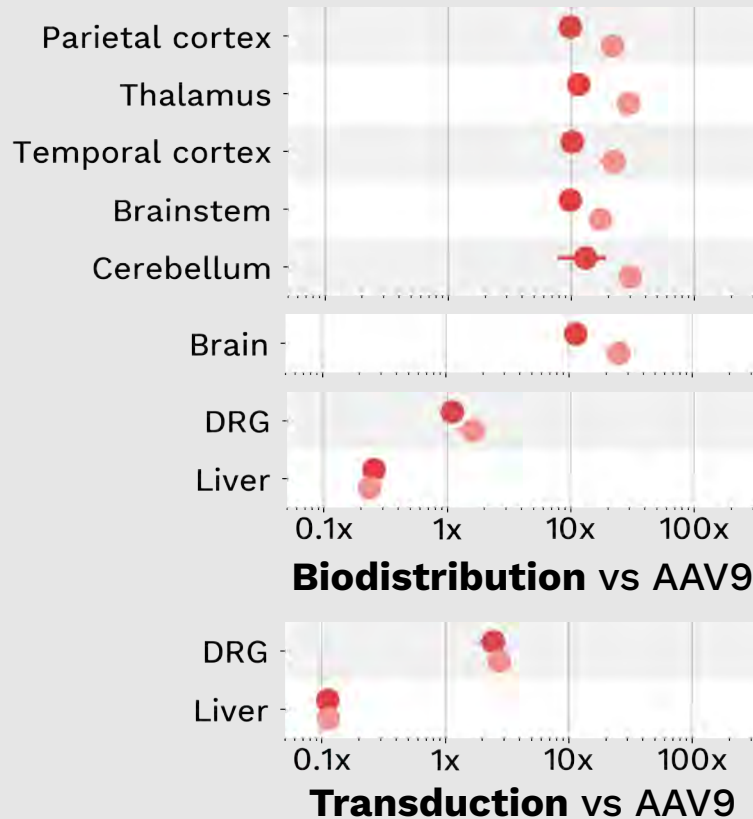
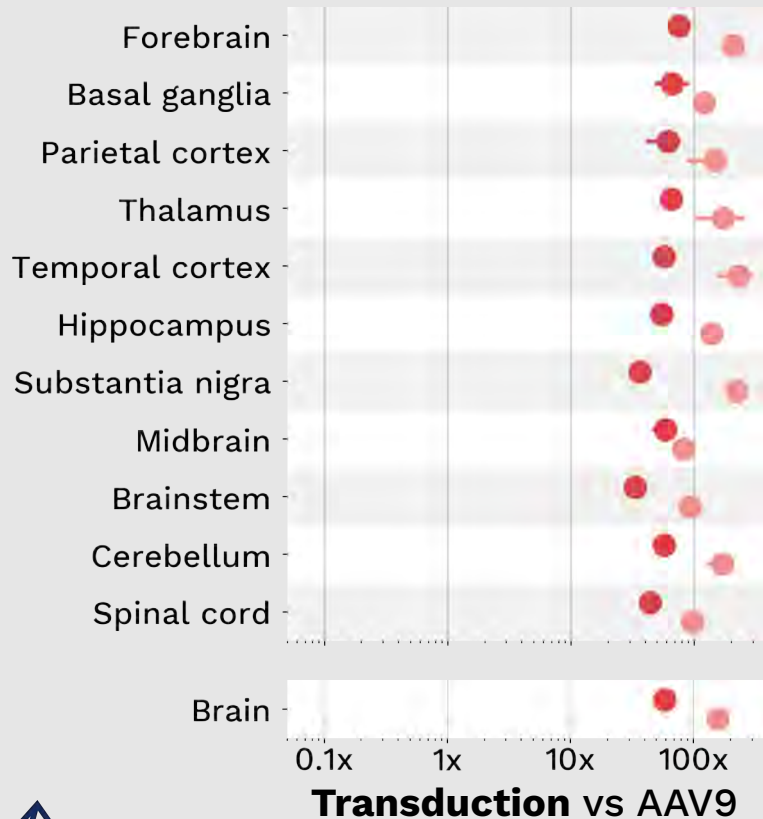


**Dentate Gyrus**

**AAV9**  
(nuclear)



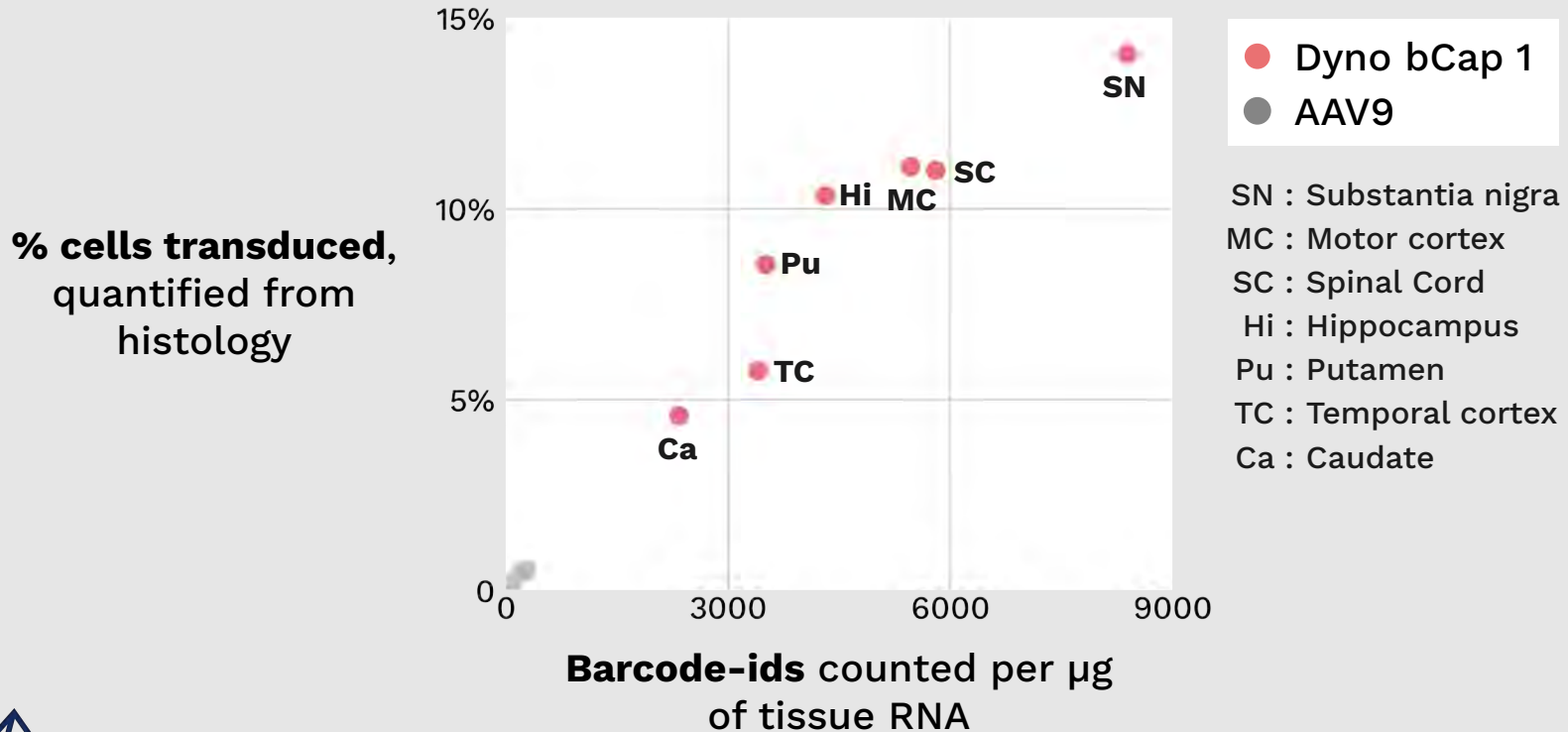
# Pan-brain transduction quantified from NGS



● Cyno 1  
1e13 vg/kg  
● Cyno 2  
5e12 vg/kg  
same dose  
per capsid

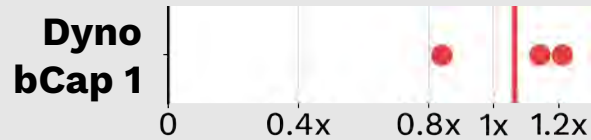


# Transduction by NGS closely matches histology



# Dyno bCap 1 capsid has the greatest all-around potential for CNS IV delivery

Production vs AAV9



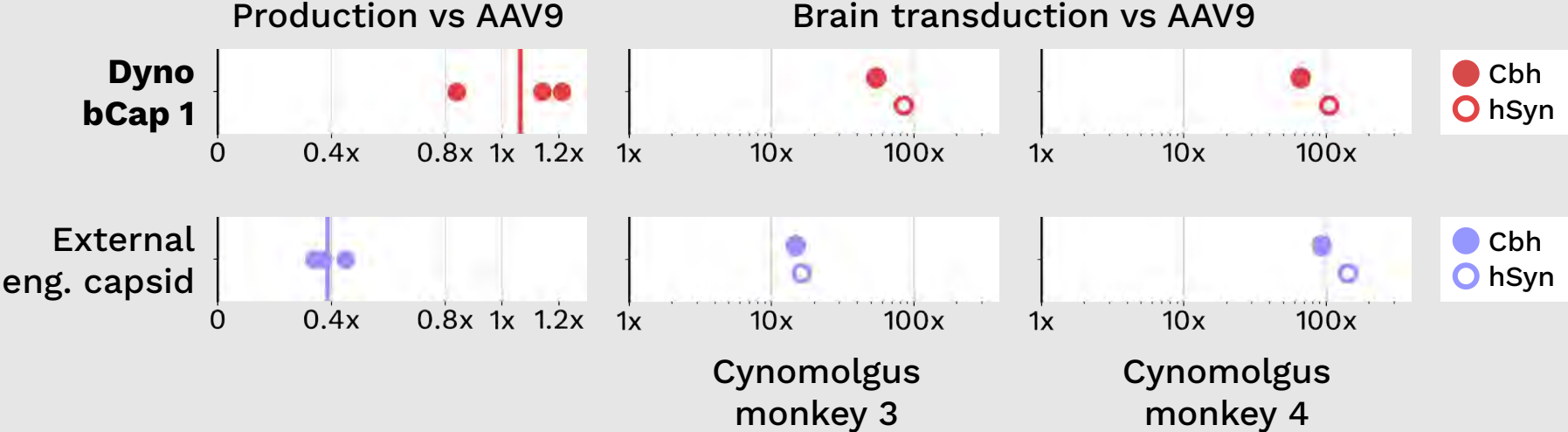
Dyno bCap 1 produces with **same efficiency** as WT AAV9



External engineered capsid produces with **0.4x efficiency** compared to WT AAV9



# Dyno bCap 1 capsid has the greatest all-around potential for CNS IV delivery



**Dyno bCap 1** shows better consistency across the same NHPs in multiplexed studies



# The power of Dyno's platform.

7 edits

Dyno bCap 1 E S Y G **V** V A T N H Q S A Q A Q A **I V** G **A L** Q **S** Q G **A** L P G M  
AAV9 E S Y G Q V A T N H Q S A Q A Q A Q T G W V Q N Q G I L P G M

575 **spanning a 23 aa region** 605



# The power of Dyno's platform.

7 edits

Dyno bCap 1 E S Y G **V** V A T N H Q S A Q A Q A **I V** G **A L** Q **S** Q G **A** L P G M  
AAV9 E S Y G Q V A T N H Q S A Q A Q A Q T G W V Q N Q G I L P G M  
575 **spanning a 23 aa region** 605

>100,000 capsids  
scale

Dyno bCap 1 capsid  
designed and tested



2 capsids  
scale

Dyno bCap 1 capsid  
validated





>100,000 capsids  
scale

next iteration using  
**all proprietary data**  
and **generative AI**



>100,000 capsids  
scale

**Dyno bCap 1 capsid  
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2 capsids  
scale

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# Reaching greater heights



>100,000 capsids  
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next iteration using  
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**Dyno bCap 1 capsid  
designed and tested**



2 capsids  
scale

**Dyno bCap 1 capsid  
validated**

## Dyno-st2

**2x transduction** vs Dyno bCap 1



# Dyno's best capsids for CNS delivery

## Dyno bCap 1

**1x production** vs AAV9

**10x** liver detargeting vs AAV9

**100x** CNS transduction vs AAV9

**5-20% neurons** transduced, pan-brain  
at **low dose of 1e13vg/kg**

## Dyno-st2

**2x transduction** vs Dyno bCap 1



**Dyno bCap 1**

Dyno-st2



Dyno

1x produc

10x liver det

100x CNS tran

5-20% neurons t  
at low dos

Dyr

2x transducti

[Abstract 382:](#)

“Dyno bCap 1: Crossing the non-human primate blood brain barrier with machine-guided AAV capsid design”



apsids for  
very

cap 1

st2



# Introducing Dyno's best capsids in eye and CNS



**Dyno-86m**

Dyno-gvk



**Dyno bCap 1**

Dyno-st2



**Partner with Dyno...**  
to work at the  
**leading edge of gene delivery**

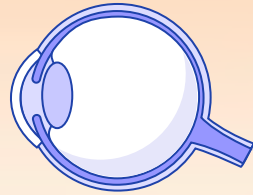


# Dyno is open to partnering

**Any organ**

**Any indication**

**Dyno's NHP-validated capsids  
are available for licensing**



**Dyno-86m**

**Dyno-gvk**



**Dyno bCap 1**

**Dyno-st2**

***Along with other emerging  
optimized capsids***

# Dyno: your partner of choice

- Reach out to [bd@dynotx.com](mailto:bd@dynotx.com):
  - Learn more about our validation of **Dyno-86m**, **Dyno bCap 1** and other emerging capsids
  - Inquire about licensing in the eye, CNS and other organs

**We look forward to supporting your gene therapy development needs!**

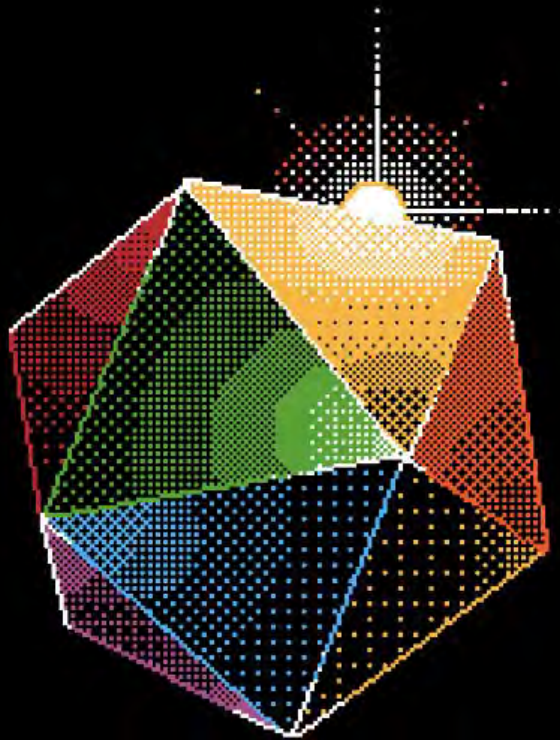


# Reaching greater heights

- **Dyno's mission:** Empowering diverse teams of high-potential problem solvers to transform patient lives with cutting edge science
  - **Dyno's business model:** We're partnership-centric: Dyno succeeds only with partners and patients win
  - **Dyno's platform works!** **Dyno-86m** and **Dyno bCap 1** sequence created with generative AI
- **Dyno has NHP-validated capsids with field leading potential:**
    - **Dyno-86m** for eye
    - **Dyno bCap 1** for brain
  - **Emerging Dyno capsids are already in NHP-validation:**
    - **Dyno-gvk** for eye
    - **Dyno-st2** for brain
  - **All of these capsids are available for licensing today:** contact [bd@dynotx.com](mailto:bd@dynotx.com)



# To celebrate the arrival of Dyno bCap 1



```
DYNO bCAP 1 >MAADGYLPQWLEDNLS  
EGIREWNAWKPGAPQPKANQQHQDNARG  
LULPGYKYLCPGNLQKGEPUAADA AAA  
LEHOKAYDQQLKAGDNPYLKYNHADA EF  
QERLKEDTSFGGNLGRAVFOAKKRLLLEP  
LGLVEEAAKTAPGKKRPVEQSPQEPDSS  
AGIGKSGAQPAKKRLNFGQGTGDTESUPD  
PQPIGEPPAAPSGUGSLTMA SGGGAPVA  
DNNEGADGVGSSSGNWHCD SOWLGD RVI  
TTSTRTWALPTYNNHLYKQISNSTSGGS  
SNDNAYFGYSTPWGYDFNRFHCHFSPR  
DWQRLINNNWCFRPKRLNFKLFNIQKUE  
UTDNGUKTIANNLTSTVQVFTDSOYQL  
PYVLGSAHEGCLPPFPADUFMIPQYGYL  
TLNDGSAQVGRSSFYCLEYFPSQMLRTG  
NNFQFSYEFENUPFHSSYAHSSLDRLM  
NPLIDQYLYYLSKTINGSGQNDQTLKFS  
VAGPSNMAVQGRNYIPGPSYRQQRUSTT  
UTQNNNSEFAWP GASSWALNGRNSLMNP  
GPAMASHKEGEDRFFPLSGSLIFGKQGT  
GRDNVDAKUMITNEEEIKTTNPUATES  
YGVVATNHQSAQAQALVGA LQSGALPG  
MUNQDRDUYLQGP IAWKIPHTDGNFHPS  
PLMGGFGMKHPPPQILIKNTPUPADPPT  
AFNKDKLNSFITQYSTGQUSUEIEWELQ  
KENSKRWNPFIQYTSNYYKSNNVFAVN  
TEGVYSEPRPIGTRYLTRNL
```

# To celebrate the arrival of Dyno bCap 1

This is just the beginning  
of how AI and optimized capsids like Dyno bCap 1  
will solve gene delivery and unlock new therapeutic potential,  
leading to transformative gene therapy products  
that help more partners and many more patients.

Thank you for joining us!