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## **Supplemental Information**

### **Universal Method for the Purification of Recombinant AAV Vectors of Differing Serotypes**

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Table S1

Vector	Productivity (vg/cell)
AAVDJ <sub>1</sub>	3.0e4
AAVDJ <sub>2</sub>	4.0e4
AAVDJ <sub>3</sub>	6.6e4
AAVDJ <sub>4</sub>	6.8e4
AAVDJ <sub>5</sub>	7.2e4
AAVDJ <sub>6</sub>	3.7e4
AAVDJ <sub>7</sub>	1.8e4
AAVDJ	1.6e4

VG: Vector Genomes

Table S2

## a Purification of AAV1

<b>AAV1<sub>TTX</sub></b>				
Resin	Volume (mL)	VGs/mL	Total VGs	% Recovery
<b>AVB</b>				
Load	452	5.24e11	2.3e14	100
FT	452	2e10	9e12	4
Wash	75	LOD	LOD	<1
Elution	13.2	1.35e13	1.78e14	77
<b>IEX</b>				
Load	35	3.4e12	1.2e14	~100
FT	35	LOD	LOD	<1
Wash	-	LOD	LOD	<1
Elution	8	1.08E13	1.62E14	67
<b>AAV1<sub>PCL</sub></b>				
<b>AVB</b>				-
Load	1650	1.4e11	2.32e14	100
FT	1635	1e9	1.66e12	2.4
Wash	100	6e8	6.34e10	<1
Elution	8.37	1.4e13	1.17e14	50.4
<b>IEX</b>				
Load	15.56	8.09e12	1.26e14	-
FT	12	3.51e6	5.65e7	5
Wash	75	1.43e6	7.25e07	<1
Elution	20	3.26e12	6.56e13	52

Table S2

## b Purification of AAV5

<b>AAV5<sub>TTX</sub></b>				
Resin	Volume (mL)	VGs/mL	Total VGs	% Recovery
<b>AVB</b>				
Load	513	3.93e11	2e14	-
FT	513	9.39e9	4.81e12	2.4
Wash	144	1.38e9	1.99e11	<1
Elution	24	7.64e12	1.83e14	91.5
<b>IEX</b>				
Load	65	2.21e12	1.44e14	-
FT		LOD		<1
Wash		LOD		<1
Elution	22	3.5e12	7.76e13	54
<b>AAV5<sub>PCL</sub></b>				
<b>AVB</b>				-
Load	2976	1.2e11	3.6e14	Load
FT	2976	8e8	2.4e12	0.7
Wash	265	1.6e8	4.2e10	0
Elution	33	7.5e12	2.5e14	69
<b>IEX</b>				
Load	56	3.7e12	2.07e14	-
FT	60	2.8e6	1.68e8	7.5
Wash	48	2.3e5	1.1e7	<1
Elution	20	7.7e12	1.54e14	74

VG: Vector Genomes; IEX: Ion Exchange; FT: Flow Through; TTx: Triple Transfection Produced Vector; PCL: Producer Cell Line Produced Vector