

Supplemental Table 1. Summary of vector sample quantifications by qPCR, ELISA, and analytical ultracentrifugation

	Vector sample	Purification process	vg/mL (ITR2free qPCR)	p/mL (ELISA)	% vg per capsid (qPCR/ELISA)	AUC % empty	AUC % partial	AUC % full	AUC % HMW
Batch 1	pTx/HEK293	IA	7.7E+12	8.0E+12	96.3%	9.1	18.2	50.0	22.7
	rBV/Sf9	IA	3.2E+13	1.7E+14	18.8%	41.1	32.8	24.7	1.4
Batch 2	pTx/HEK293-full	CsCl (full fraction)	2.1E+13	2.1E+13	100.0%	nd	nd	nd	nd
	pTx/HEK293-partial	CsCl (partial fraction)	3.9E+12	1.6E+13	24.4%	52.8	43.9	0	3.3
	pTx/HEK293-empty	CsCl (empty fraction)	7.1E+10	5.0E+13	0.1%	nd	nd	nd	nd
	rBV/Sf9-full	IA+CsCl (full fraction)	1.1E+13	2.6E+13	42.3%	nd	nd	nd	nd
	rBV/Sf9-partial	IA+CsCl (partial fraction)	7.1E+12	1.1E+13	64.5%	1.1	92.3	4.7	1.9
	rBV/Sf9-empty	IA+CsCl (empty fraction)	2.5E+11	5.5E+13	0.5%	nd	nd	nd	nd

AUC, analytical ultracentrifugation; CsCl, cesium chloride; ELISA, enzyme-linked immunosorbent assay; HMW, high molecular weight; IA, immunoaffinity; pTx/HEK293, plasmid transfection of human embryonic kidney 293 cells; qPCR, quantitative polymerase chain reaction; rBV/Sf9, recombinant baculovirus with *Spodoptera frugiperda* cells.