

FIG 1A

AAVhu68__eng	atggtcgcgatggttatcttcagattggctcgaggacaacctcagtgaaagcattcgc	60
AAVhu68	atggtcgcgatggttatcttcagattggctcgaggacaacctcagtgaaagcattcgc	60

AAVhu68__eng	gagtgggtggccttgaaacctggagccctcaaccaaggcaaatcaacaacatcaagac	120
AAVhu68	gagtgggtggccttgaaacctggagccctcaaccaaggcaaatcaacaacatcaagac	120

AAVhu68__eng	aacgctcggggtcttgtgtctccgggttacaaataccttgacccggcaacggactcgac	180
AAVhu68	aacgctcggggtcttgtgtctccgggttacaaataccttgacccggcaacggactcgac	180

AAVhu68__eng	aagggggagccggtcaacgaagcagacgcggcgccctcgagcacgacaaagccctacgac	240
AAVhu68	aagggggagccggtcaacgaagcagacgcggcgccctcgagcacgacaaagccctacgac	240

AAVhu68__eng	cagcagctcaaggccggagacaaaccgtacctcaagtacaaccacgcgcgacgcgagttc	300
AAVhu68	cagcagctcaaggccggagacaaaccgtacctcaagtacaaccacgcgcgacgcgagttc	300

AAVhu68__eng	caggagcggctcaaaagaagatacgtcttttggggcacaacctcgggcgagcagtcctccag	360
AAVhu68	caggagcggctcaaaagaagatacgtcttttggggcacaacctcgggcgagcagtcctccag	360

AAVhu68__eng	gccaaaaagaggctcttgaaacctcttggtctggttgaggaaagcggctaagacggctcct	420
AAVhu68	gccaaaaagaggctcttgaaacctcttggtctggttgaggaaagcggctaagacggctcct	420

FIG 1B

AAVhu68__eng	ggaagaagagcctgtagagcagtcctcaggaaccggactcctccgtgggtattggc	480
AAVhu68	ggaagaagagcctgtagagcagtcctcaggaaccggactcctccgtgggtattggc	480

AAVhu68__eng	aatcgggtgcacagcccgctaaaaagagactcaatttcggtcagactggcgacacagag	540
AAVhu68	aatcgggtgcacagcccgctaaaaagagactcaatttcggtcagactggcgacacagag	540

AAVhu68__eng	tcagtcctccgaccctcaaccaatcgagaaacctcccgcagccccctcaggtgtgggatct	600
AAVhu68	tcagtcctccgaccctcaaccaatcgagaaacctcccgcagccccctcaggtgtgggatct	600

AAVhu68__eng	cttacaaatggcttcaggtggtggcgaccagtggcagacacaataaacgaaggtgccgatgga	660
AAVhu68	cttacaaatggcttcaggtggtggcgaccagtggcagacacaataaacgaaggtgccgatgga	660

AAVhu68__eng	gtgggtagttcctcgggaaattggcattgcgattcccaatggctgggggacagagtcac	720
AAVhu68	gtgggtagttcctcgggaaattggcattgcgattcccaatggctgggggacagagtcac	720

AAVhu68__eng	accaccagcaccggaacctgggcccctgccaccctacaacaatcacctctacaagcaaatc	780
AAVhu68	accaccagcaccggaacctgggcccctgccaccctacaacaatcacctctacaagcaaatc	780

AAVhu68__eng	tccaacagcacatctggaggatcttcaaatgacaacgcctactctgggtacagcaccccc	840
AAVhu68	tccaacagcacatctggaggatcttcaaatgacaacgcctactctgggtacagcaccccc	840

FIG 1C

AAVhu68__eng AAVhu68	tgggggtattttgacttcaacagattccactgccacttctcaccacgtgactggcaaga tgggggtattttgacttcaacagattccactgccacttctcaccacgtgactggcaaga *****	900 900
AAVhu68__eng AAVhu68	ctcatcaacaacaactggggattccggcctaagcgactcaacttcaagctcttcaacatt ctcatcaacaacaactggggattccggcctaagcgactcaacttcaagctcttcaacatt *****	960 960
AAVhu68__eng AAVhu68	caggfcaaaagaggttacggacaacaatggagtcagaaccatcgctaataaccttaccagc caggfcaaaagaggttacggacaacaatggagtcagaaccatcgctaataaccttaccagc *****	1020 1020
AAVhu68__eng AAVhu68	acggfccagggtcttcaaggactcagactatcagctcccgtagctcggtcggtcggtcac acggfccagggtcttcaaggactcagactatcagctcccgtagctcggtcggtcggtcac *****	1080 1080
AAVhu68__eng AAVhu68	gagggtgcctcccgcggttcccagcgagcggttttcatgattcctcagtatggatacctc gagggtgcctcccgcggttcccagcgagcggttttcatgattcctcagtatggataccta *****	1140 1140
AAVhu68__eng AAVhu68	accctgaacgacgagcagtcaggcgggtggggcggtcatccttctactgcctggagtacttc acgcttaatgatggaagccaagccgtgggtcggttcgtccttctactgcctggaatatctc ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** ** * * * * *	1200 1200
AAVhu68__eng AAVhu68	ccttcgcagatgctgaggactggcaacaactccagttcagctacgagttcgagaacgctc ccgtcgcaaatgctaagaacgggtaacaacttccagttcagctacgagtttgagaacgta ** *****,** ** ** * * * * * * * * * * * * * * * *	1260 1260

FIG 1D

AAVhu68__eng	1320	cctttccacagcagctacgcccacagccagagagtttgaccgcttgatgaacccctctgac
AAVhu68	1320	cctttccatagcagctatgctcacagccaaagcctggaccgactcatgaatccactcatc
		***** ** *****. * ***** ** ***** ** *****
AAVhu68__eng	1380	gaccagtaacctgtactacctgtcaagagacgatcaacggttcttgccagaaccagcagacg
AAVhu68	1380	gaccaatacttgtaactatctctcaagactattaacggttcttgacagaatcaacaaacg
		*****.*** ***** ** ***** ** *****.*****.***** **.*.***
AAVhu68__eng	1440	ctgaagttcagcgtggccgggacctagcaacatggccgtccagggcagaaactacatccct
AAVhu68	1440	ctaaaattcagtggtggccggacccagcaacatggtgtccagggaagaaactacatcct
		.*.*** ** *****.***** *****.*****.*****.***
AAVhu68__eng	1500	ggcccagctaccggcagcagagagtgctcaaccactgtgactcagaacaacaacagtgag
AAVhu68	1500	ggaccagctaccgacaacaacggtgtctcaaccactgtgactcaaaacaacaacagcgaa
		.*.***.***.*.***.*****.*****.*****.***** **.
AAVhu68__eng	1560	ttcgcctggcctggccagctcttgggccctcaacggccgcgaactcgctgatgaacca
AAVhu68	1560	tttgcttggcctggagcttcttcttgggctctcaatggacgtaatagcttgatgaatcct
		** ** *****.*** : ***** ***** **.*.*** ** : ***** **;
AAVhu68__eng	1620	ggcccagccatggccagtcacaaggaggggcagagaccgtttcttcccttggctctct
AAVhu68	1620	ggacctgctatggccagccacaagaaggagagagaccgtttcttcccttggctggtct
		.*.* ***** *****.***.*.*****.***** *****.***
AAVhu68__eng	1680	ctgatcttcggcaagcaggggaccggcagagagacaacgtggacgcggacaaggtcatgac
AAVhu68	1680	ttaatttttggcaaacagggaactggaagagacaacgtggatgcggacaagatcatgata
		..*** ** *****.*.***.*.***.*****.***** *****.*****.

FIG 1E

AAVhu68__eng	acgaacgaggaggagatcaagaccaccaaccctgtggcaaccgagtcctacggccaggtg	1740
AAVhu68	accaacgaagaagaataataaactaccaaccagtagcaacggagtcctatggacaagtg	1740
	** *****. ** ** ** ** *****; ** ***** ***** ** ** *	
AAVhu68__eng	gcaaccaaccacagagcgccaggccacaggcgagactggctgggtccagaaaccagggg	1800
AAVhu68	gccacaaaccacagagtgcccaaggcacaggcgagaccggctgggttcaaaaccaagga	1800
	** ***** ***** ***** ***** ***** ***** *	
AAVhu68__eng	atcctgcctggcatggtgtggcaggaccgtgacgtgtacctgcagggccctatctgggca	1860
AAVhu68	atacttccgggtatggtttggcaggacagagatgtgtacctgcaaggaccatttgggcc	1860
	** ** ** ***** *****; ** ***** ** ** *	
AAVhu68__eng	aagatccctcacacggacggcaacttccacccttctcctctgatgggggcttcggcatg	1920
AAVhu68	aaaattcctcacacggacggcaacttccacccttctcctctgatggggggttttgggaatg	1920
	** ***** ***** ***** ***** ***** ** ** *	
AAVhu68__eng	aagcaccgcctcctcagatcctcattcaagaacactccgggtccggcagaccctccgacg	1980
AAVhu68	aagcaccgcctcctcagatcctcattcaaaaaacacacctgtacctgcggtatcctccaacg	1980
	***** ***** *****; ** ** ** ***** *	
AAVhu68__eng	gccttcaacaaggacaagctgaactcattcatcactcagtactccactggccaggtcagc	2040
AAVhu68	gccttcaacaaggacaagctgaactctttcatcaccagatattctactggccaagtcagc	2040
	** ***** *****; ***** ***** ***** *	
AAVhu68__eng	gtggagatcgagtgggagctgcagaaggagaacagcaagcgtttggaacccagagatccag	2100
AAVhu68	gtggagattgagtgggagctgcagaaggaaaaacagcaagcgttggaaacccgagatccag	2100
	***** ***** ***** ***** ***** ***** ***** *	

FIG 1F

AAVhu68__eng	tacacttccaactactacaagttctaacaacggtggagttcgccgtcaacactgagggtgtg	2160
AAVhu68	tacacttccaactattacaagttctaataatgttgaatttgctgttaatactgaaggtgtt	2160
	*****	*****
AAVhu68__eng	tacagtgagcctcgccctatcggcacccggtacctcacccgaaacttgtga	2211
AAVhu68	tattctgaaccccgcccccattggcaccagatatcctgactcgtaatctgttaa	2211
	** ; ***. ** ***** *	***. *

FIG 2

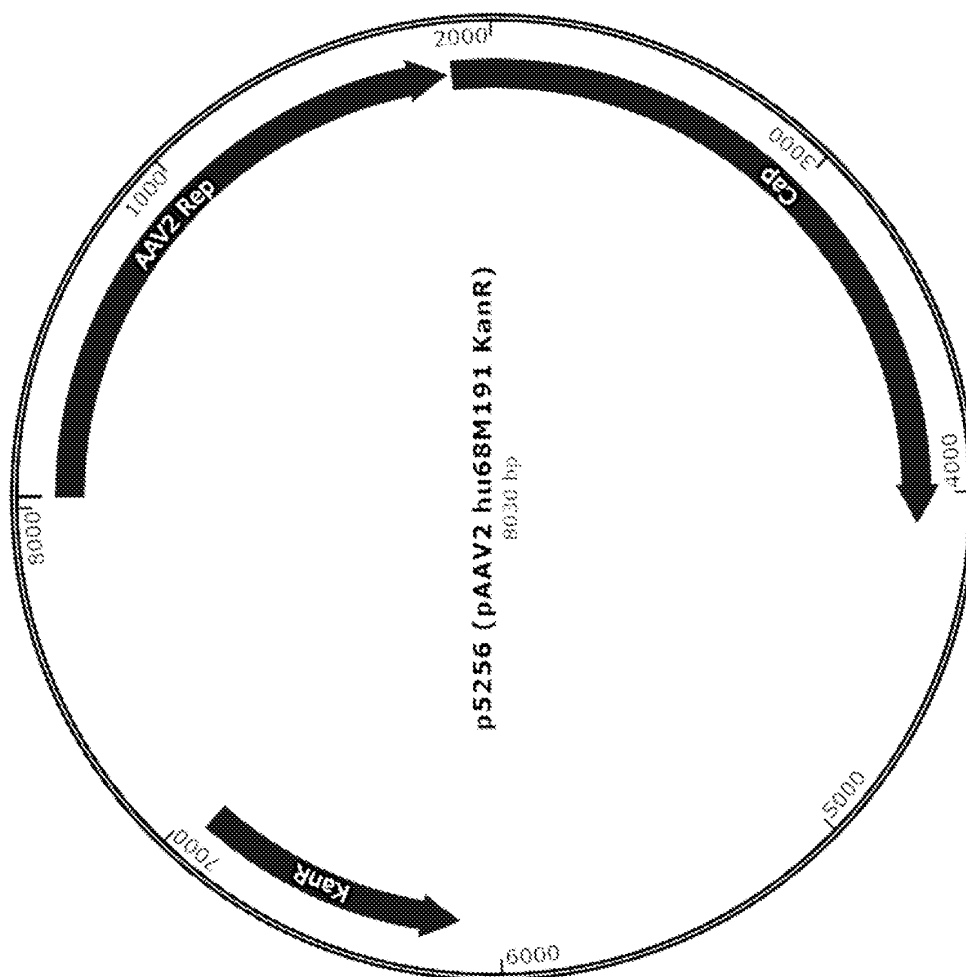


FIG 3A

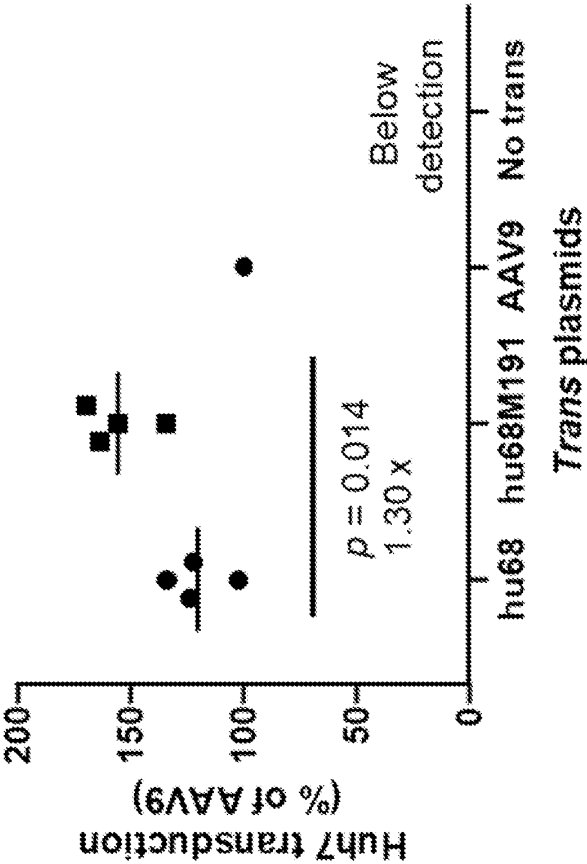


FIG 3B

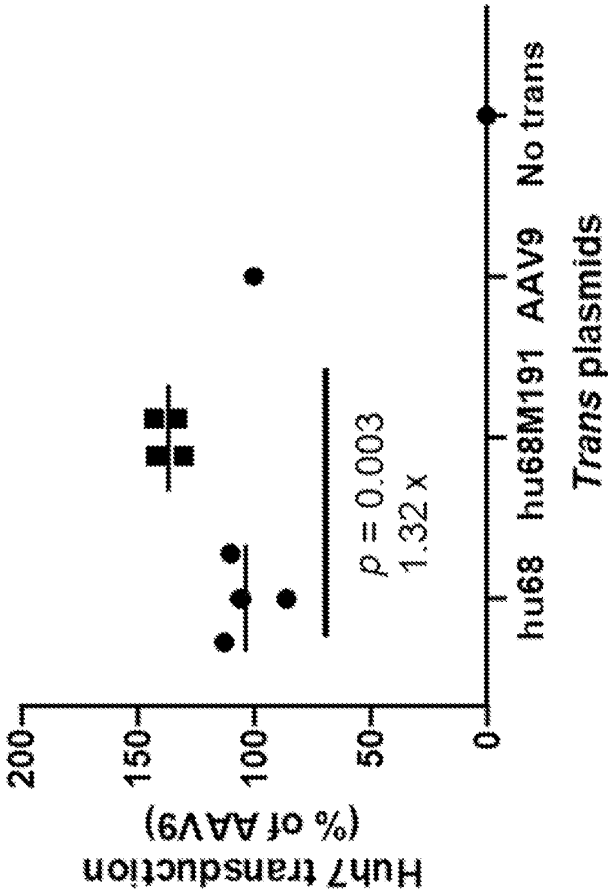


FIG 4

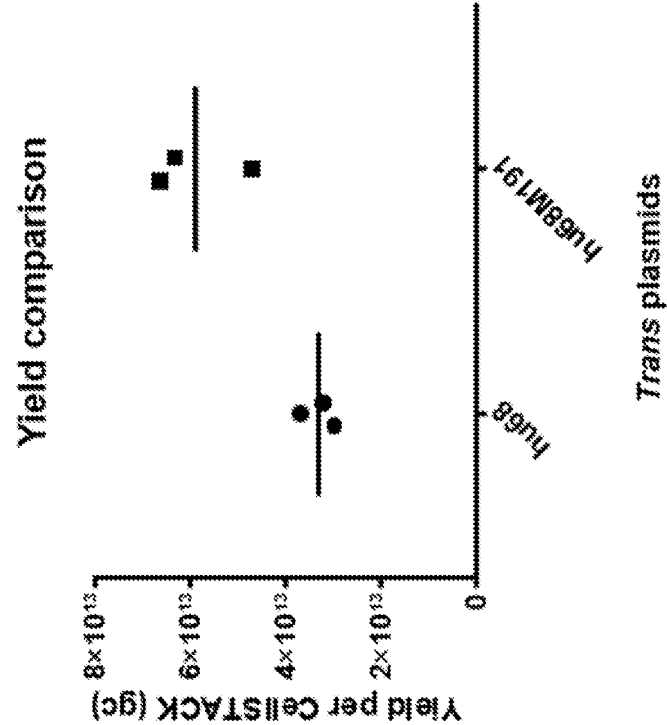


FIG 5

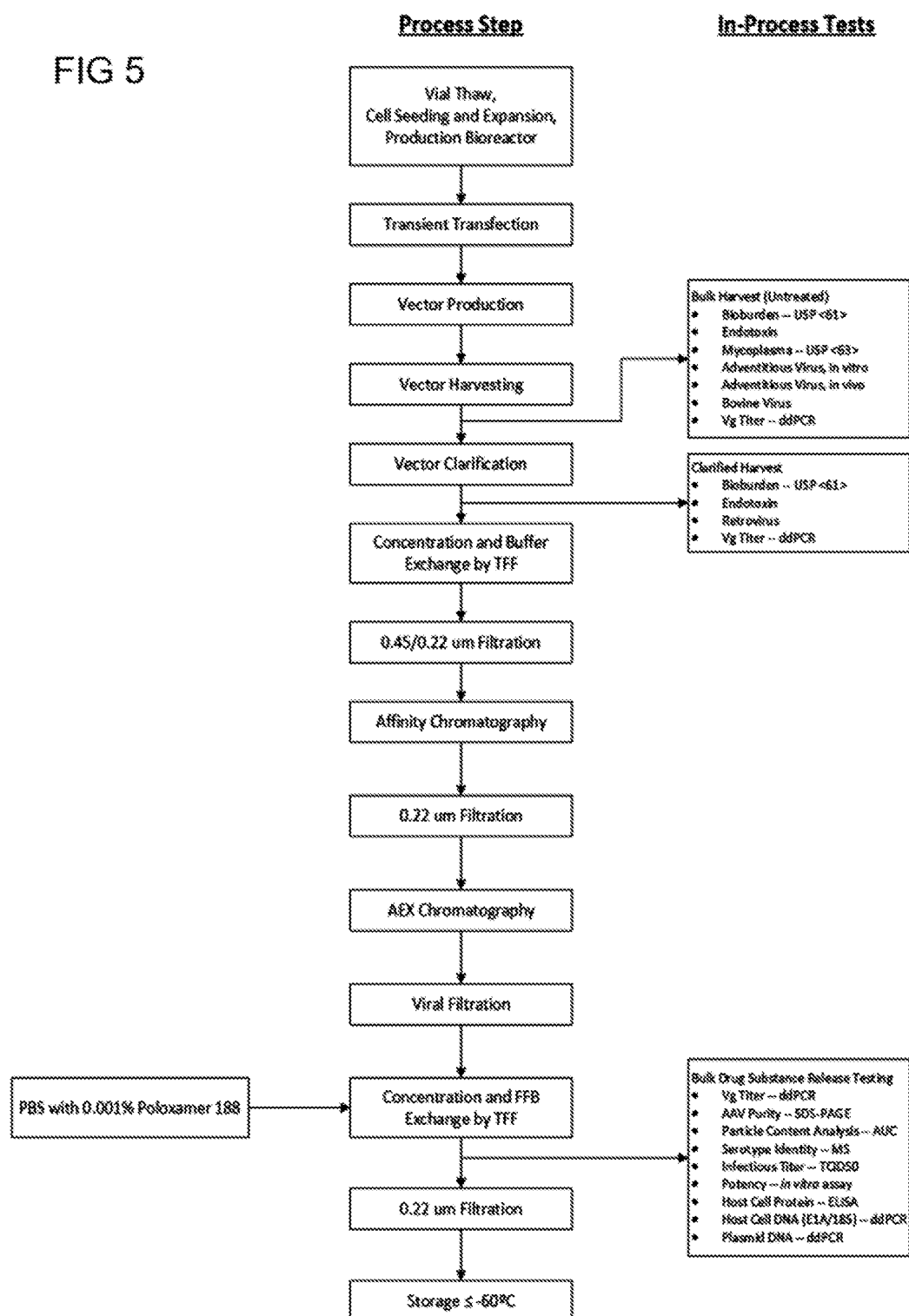


FIG 6

