

AAV5	M	L	I	T	S	E	S	E	T	Q	P	V	N	R	V	A	Y	N	V	G	G	Q	M	A	T	N	N	Q	S	S	T	T	A	P	A	T	G	T	Y	N	L	Q	E	I	V	P	G	S	V	W	M	E	598		
AAV4	L	I	F	T	S	E	E	E	E	L	A	A	T	N	A	T	D	T	D	M	W	G	N	L	P	G	G	D	Q	S	N	S	N	L	P	T	V	D	R	L	T	A	L	G	A	V	P	G	M	V	W	Q	N	607	
AAV1	V	M	I	T	D	E	E	E	E	I	K	A	T	N	P	V	A	T	E	R	F	G	T	V	A	V	N	F	Q	S	S	S	T	D	P	A	T	G	D	V	H	A	M	G	A	L	P	G	M	V	W	Q	D	609	
AAV6	V	M	I	T	D	E	E	E	E	I	K	A	T	N	P	V	A	T	E	R	F	G	T	V	A	V	N	L	Q	S	S	S	T	D	P	A	T	G	D	V	H	V	M	G	A	L	P	G	M	V	W	Q	D	609	
AAV2	V	M	I	T	D	E	E	E	E	I	R	T	T	N	P	V	A	T	E	Q	Y	G	T	V	A	N	N	L	Q	S	S	N	T	A	P	A	T	A	D	V	N	T	Q	G	V	L	P	G	M	V	W	Q	D	608	
AAV3	V	M	I	T	D	E	E	E	E	I	R	T	T	N	P	V	A	T	E	S	Y	G	T	V	A	N	N	L	Q	S	S	N	T	A	P	T	T	R	T	V	N	D	Q	G	A	L	P	G	M	V	W	Q	D	609	
AAV9	V	M	I	T	N	E	E	E	E	I	K	T	T	N	P	V	A	T	E	S	Y	G	T	V	A	N	N	L	Q	S	S	A	Q	A	Q	A	Q	T	G	W	V	Q	N	Q	G	I	L	P	G	M	V	W	Q	D	609
AAV7	V	L	M	T	N	E	E	E	E	I	R	P	T	N	P	V	A	T	E	E	Y	G	I	V	S	S	N	L	Q	A	A	N	T	A	A	Q	T	Q	V	V	N	N	Q	G	A	L	P	G	M	V	W	Q	N	610	
AAV8	V	M	L	T	S	E	E	E	E	I	K	T	T	N	P	V	A	T	E	E	Y	G	I	V	A	D	N	L	Q	Q	Q	N	T	A	P	Q	I	G	T	V	N	S	Q	G	A	L	P	G	M	V	W	Q	N	611	
AAVrh10	V	M	L	T	S	E	E	E	E	I	K	T	T	N	P	V	A	T	E	Q	Y	G	V	V	A	D	N	L	Q	Q	Q	N	A	A	P	I	V	G	A	V	N	S	Q	G	A	L	P	G	M	V	W	Q	N	611	

FIG. 1A

AAV5	E	I	K	S	G	S	V	D	-	G	S	N	A	N	A	Y	F	G	Y	S	T	P	W	G	Y	F	D	F	N	R	F	H	S	H	W	S	P	R	D	W	Q	R	L	I	N	N	Y	W	G	F	R	P	299
AAV4	R	L	G	E	-	-	-	-	S	L	Q	S	N	T	Y	N	G	F	S	T	P	W	G	Y	F	D	F	N	R	F	H	C	H	F	S	P	R	D	W	Q	R	L	I	N	N	N	W	G	M	R	P	299	
AAV1	Q	I	S	S	A	S	T	-	G	A	S	N	D	N	H	Y	F	G	Y	S	T	P	W	G	Y	F	D	F	N	R	F	H	C	H	F	S	P	R	D	W	Q	R	L	I	N	N	N	W	G	F	R	P	309
AAV6	Q	I	S	S	A	S	T	-	G	A	S	N	D	N	H	Y	F	G	Y	S	T	P	W	G	Y	F	D	F	N	R	F	H	C	H	F	S	P	R	D	W	Q	R	L	I	N	N	N	W	G	F	R	P	309
AAV2	Q	I	S	S	Q	-	S	-	G	A	S	N	D	N	H	Y	F	G	Y	S	T	P	W	G	Y	F	D	F	N	R	F	H	C	H	F	S	P	R	D	W	Q	R	L	I	N	N	N	W	G	F	R	P	308
AAV3	Q	I	S	S	Q	-	S	-	G	A	S	N	D	N	H	Y	F	G	Y	S	T	P	W	G	Y	F	D	F	N	R	F	H	C	H	F	S	P	R	D	W	Q	R	L	I	N	N	N	W	G	F	R	P	308
AAV9	Q	I	S	N	S	T	S	G	G	S	N	D	N	A	Y	F	G	Y	S	T	P	W	G	Y	F	D	F	N	R	F	H	C	H	F	S	P	R	D	W	Q	R	L	I	N	N	N	W	G	F	R	P	310	
AAV7	Q	I	S	S	E	T	A	-	G	S	T	N	D	N	T	Y	F	G	Y	S	T	P	W	G	Y	F	D	F	N	R	F	H	C	H	F	S	P	R	D	W	Q	R	L	I	N	N	N	W	G	F	R	P	310
AAV8	Q	I	S	N	G	T	S	G	G	A	T	N	D	N	T	Y	F	G	Y	S	T	P	W	G	Y	F	D	F	N	R	F	H	C	H	F	S	P	R	D	W	Q	R	L	I	N	N	N	W	G	F	R	P	311
AAVrh10	Q	I	S	N	G	T	S	G	G	S	T	N	D	N	T	Y	F	G	Y	S	T	P	W	G	Y	F	D	F	N	R	F	H	C	H	F	S	P	R	D	W	Q	R	L	I	N	N	N	W	G	F	R	P	311

FIG. 1B



FIG. 2

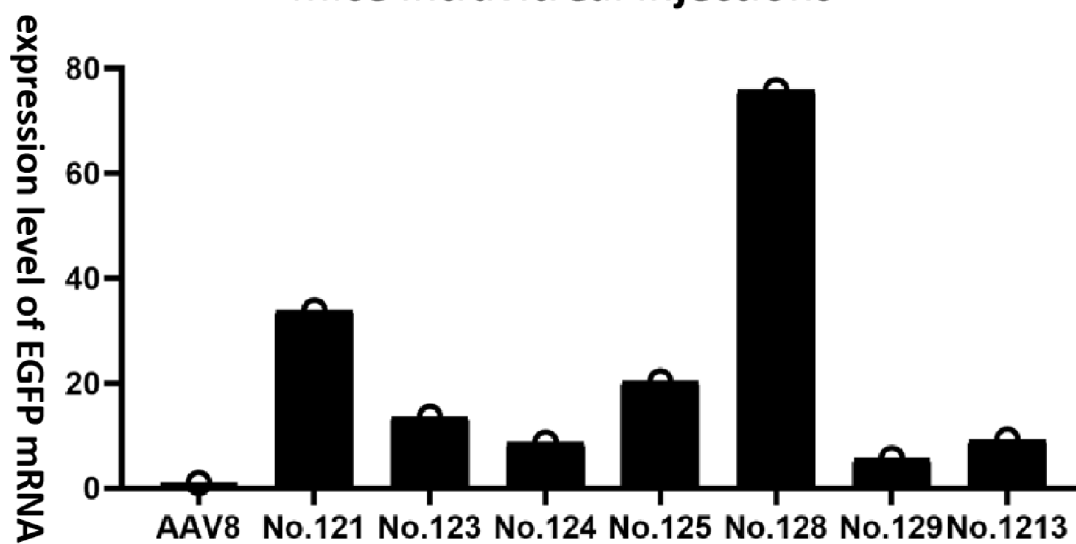
mice intravitreal injections

FIG. 3

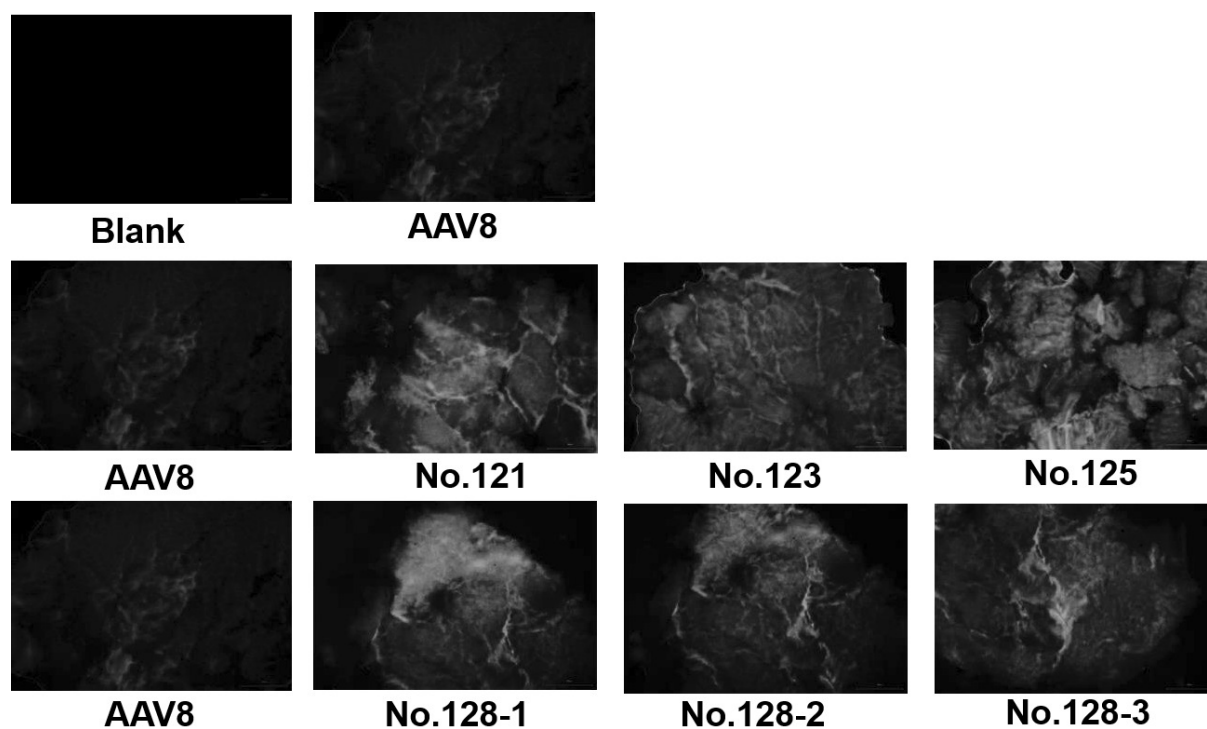


FIG. 4

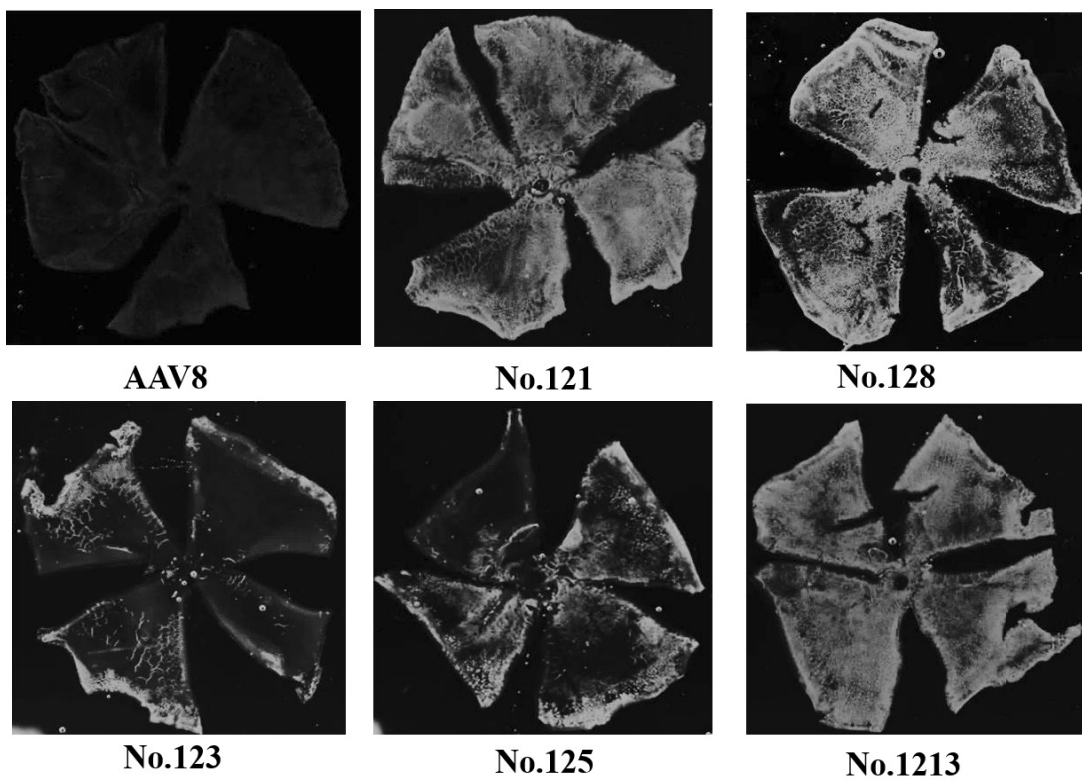


FIG. 5

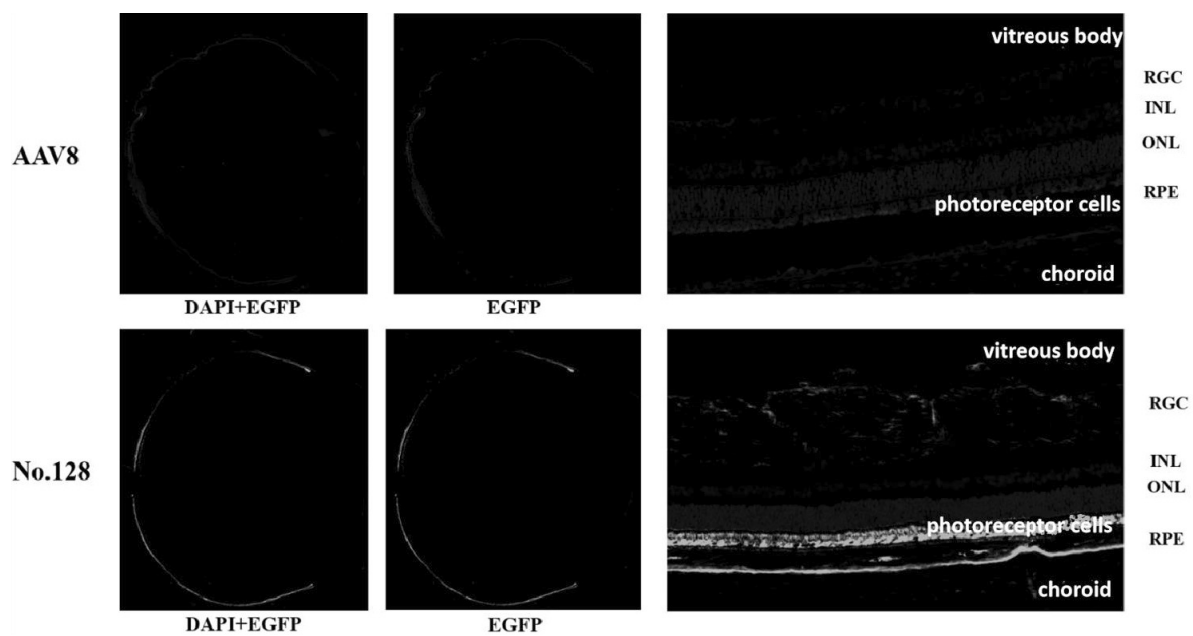


FIG. 6

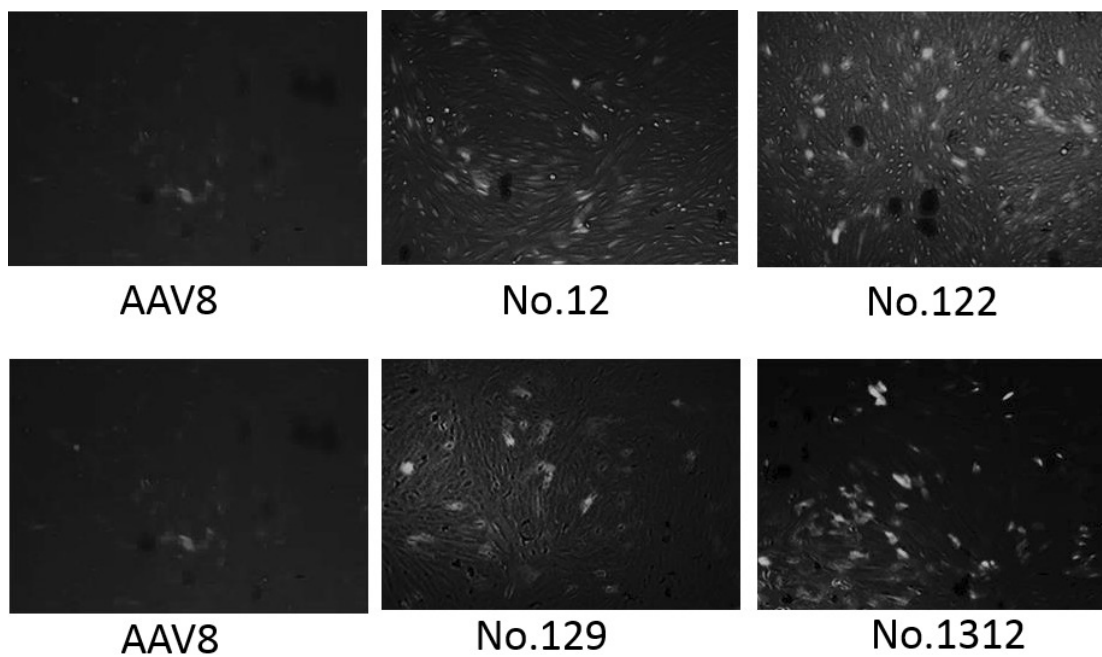


FIG. 7

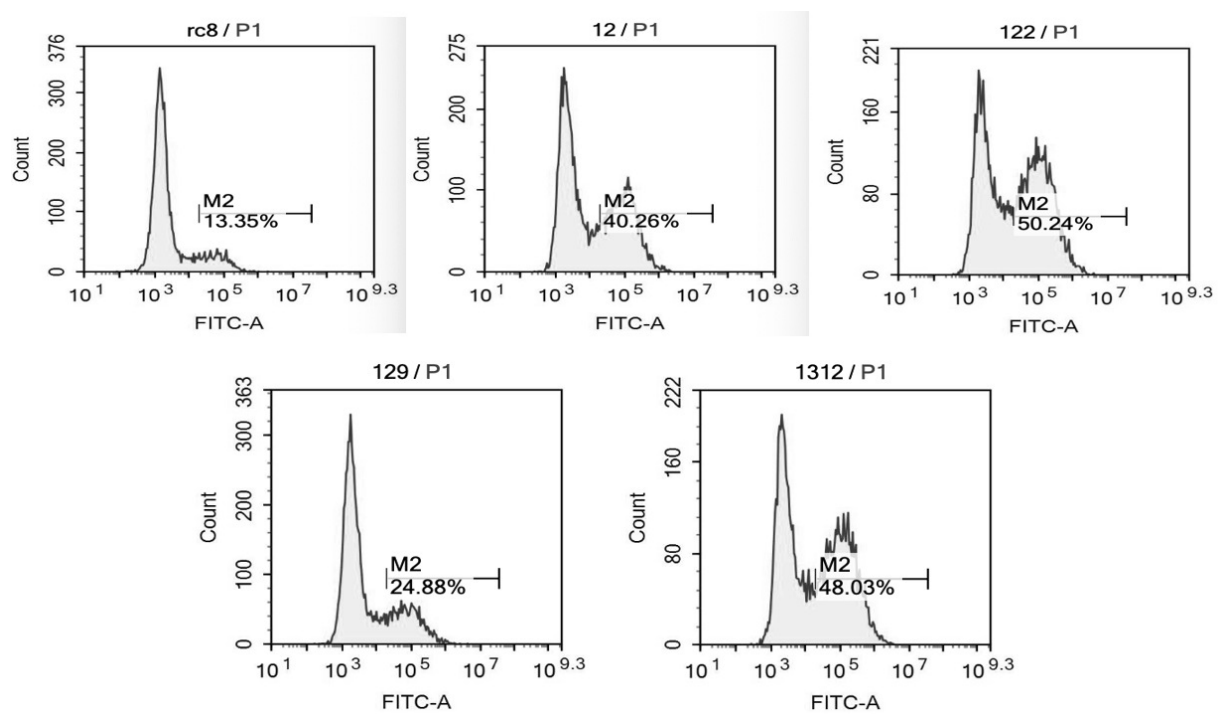


FIG. 8A

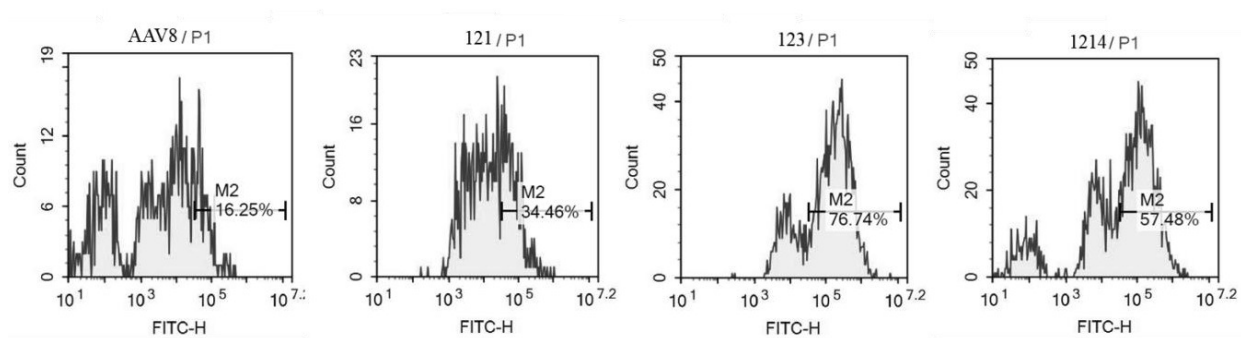


FIG. 8B

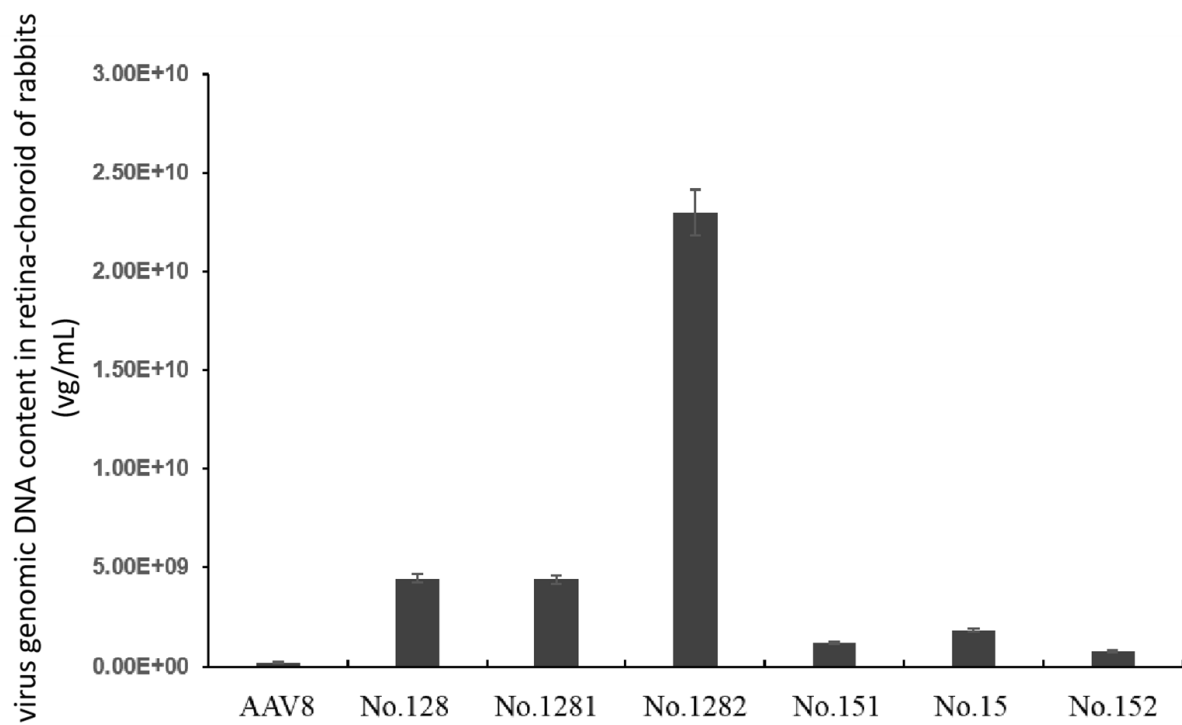


FIG. 9

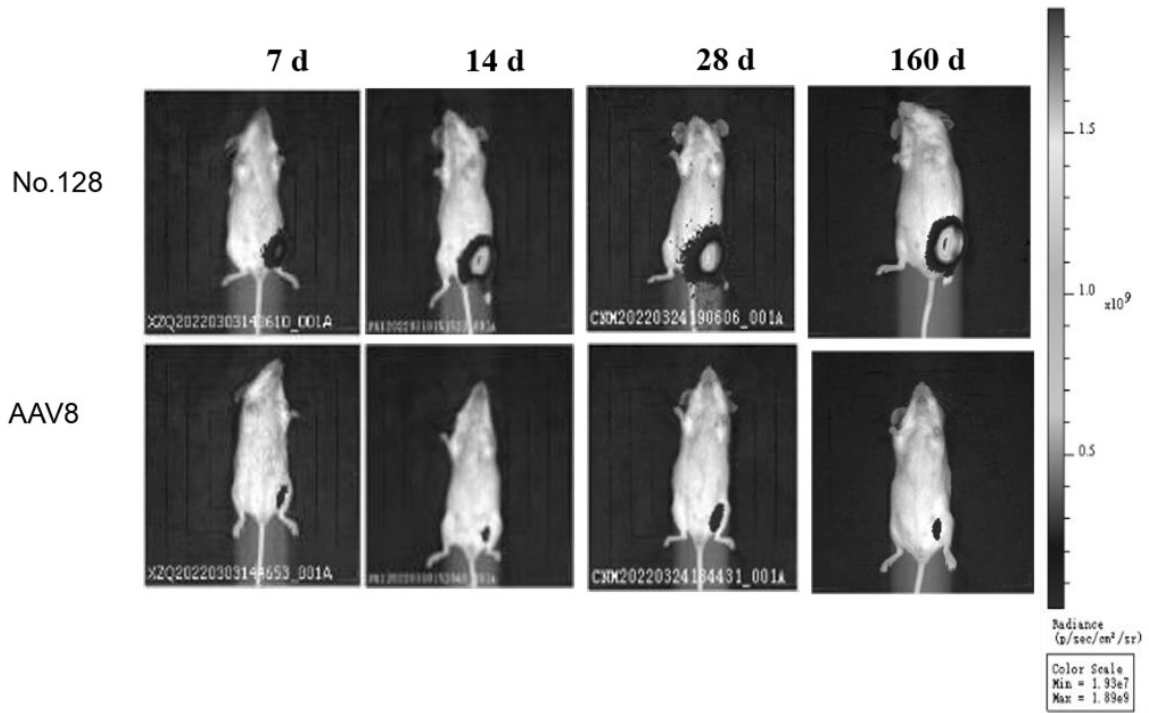


FIG. 10

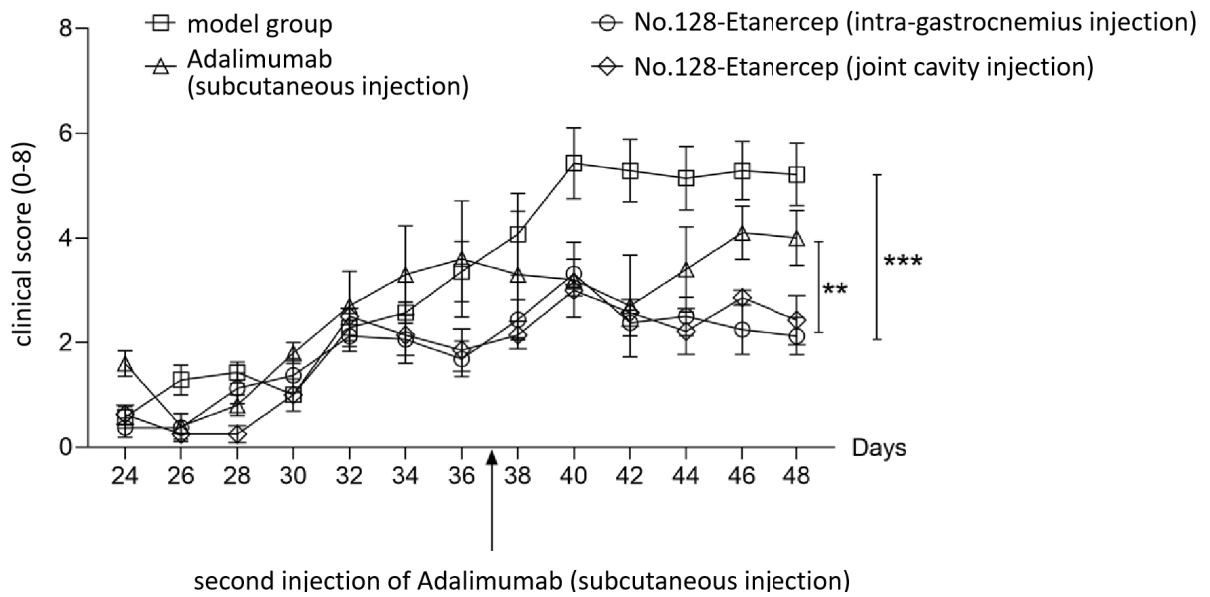


FIG. 11

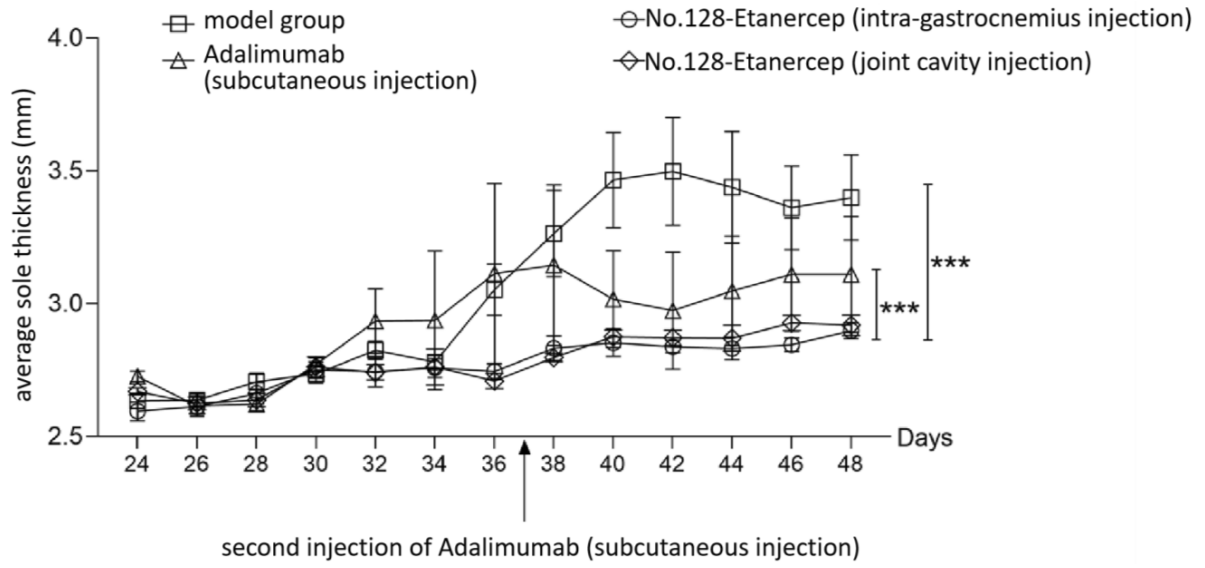


FIG. 12