

9. Anhang

9.1. Verwendete Primer

Liste der verwendeten Primer (5'→3')	
Luc-334s	CCG GCG CCA TTC TAT CC
Luc-426a-F	FAM-AGC AAT TGT TCC AGG AAC CA
Luc-vLS-379s	CTG CAT AAG GCT ATG-del-CTG GTT CCT GGA ACA ATT GC
Luc-vLS-420a	TGT TCC AGG AAC CAG-del-CAT AGC CTT ATG CAG TTG CTC
GAPDH-682s-T	TAMRA-CAA GCC TGT GGG CAA GGT
GAPDH-862a	CAC CAC CTT CTT GAT GTC ATC A
tTS-763s-EcoRI	CCC GAA TTC ACC ATG TCA AGA TTA GAT AA
tTS-1623a-HindIII	CTC AAG CTT ACC AGG GAT CCT CTC CTT
E1A-560s-BamHI	CGG GGA TCC AAT GAG ACA TAT TAT CT
E1A-1112a	GTT CAG ACA CAG GAC TGT AGA CAA ACA TGC CAC AG
E1A-1229s	GTC CTG TGT CTG AAC CTG AG
E1A-1353a	ACT ATT GCA TTC TCT GGA CAC AGG TGA TGT CG
E1A-1322s	CGA CAT CAC CTG TGT CCA GAG AAT GCA ATA GT
E1A-1545a-NheI	CGC GCT AGC TTA TGG CCT GGG GCG TT
CMV-480s	AGG TCT ATA TAA GCA GAG CT
pZS2-3'-UTRa	TGG CTG GCA ACT AGA AGG C
Ad5-3315s	TAG CAT GAC CAT GAA GAT CT
Ad5-4600a	GAA TGC ATG GAA AAT CTT GG
Ad5-4900a	ATC TGA ACA TCC AGA GTC AC

9.2. Plasmidkarten

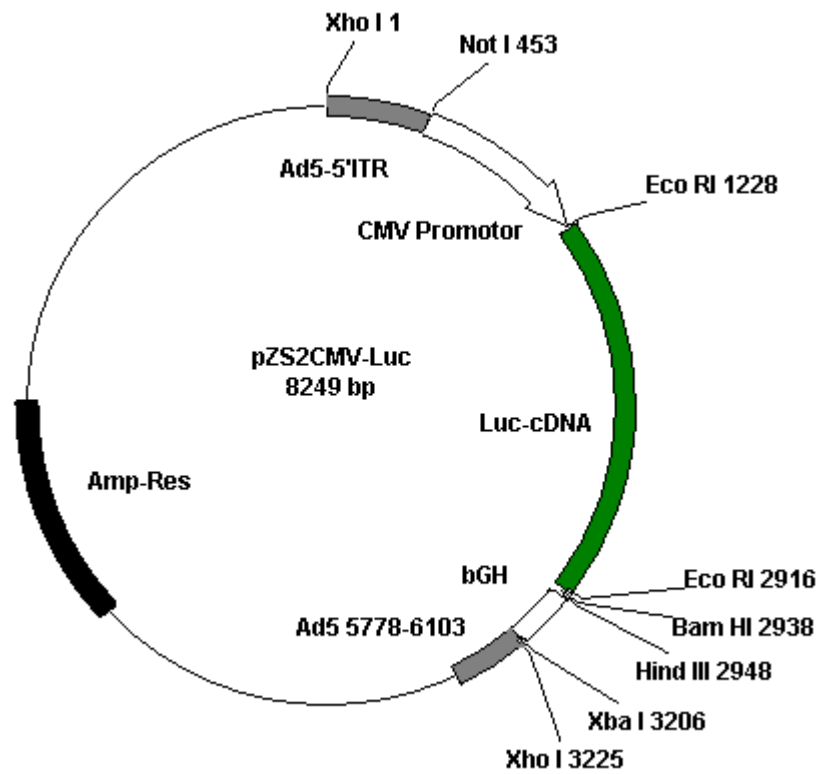


Abb. A: pZS2CMV-Luc

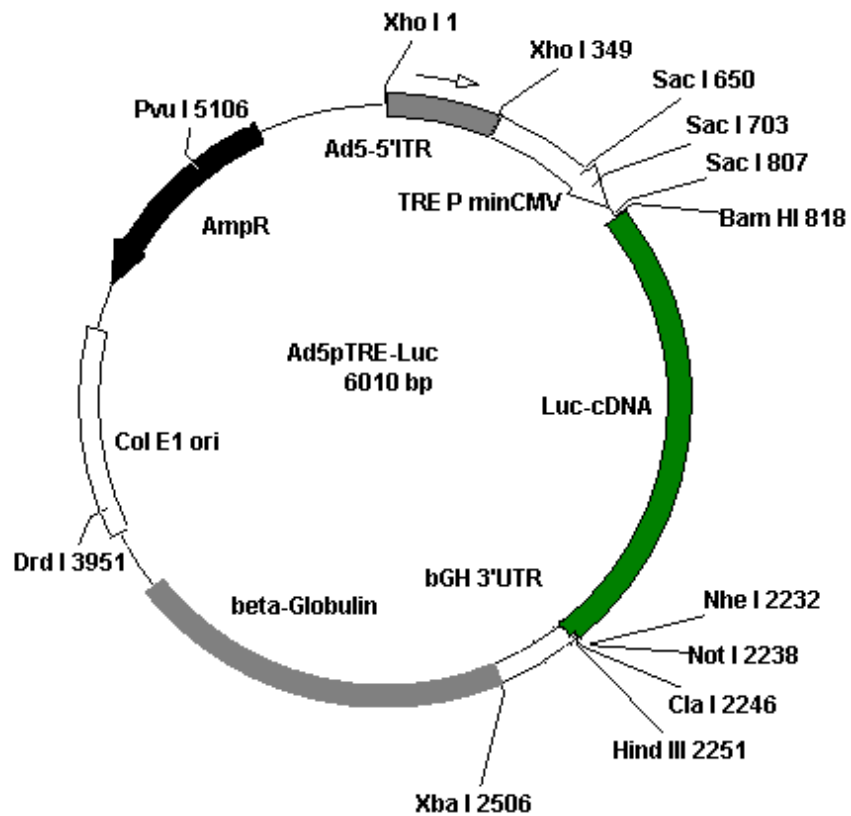


Abb. B: Ad5pTRE-Luc

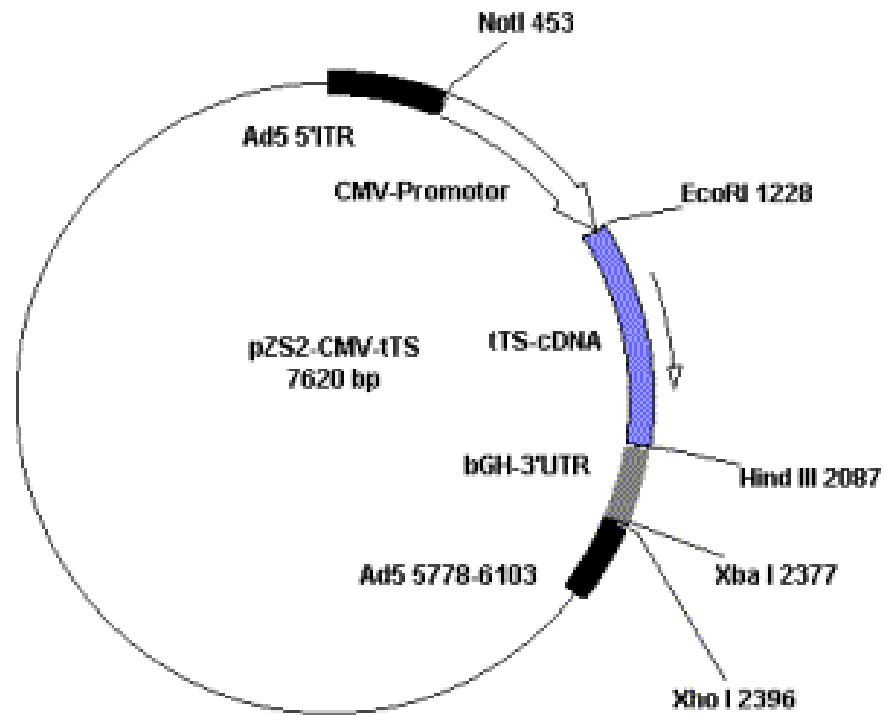


Abb. C: pZS2-CMV-tTS

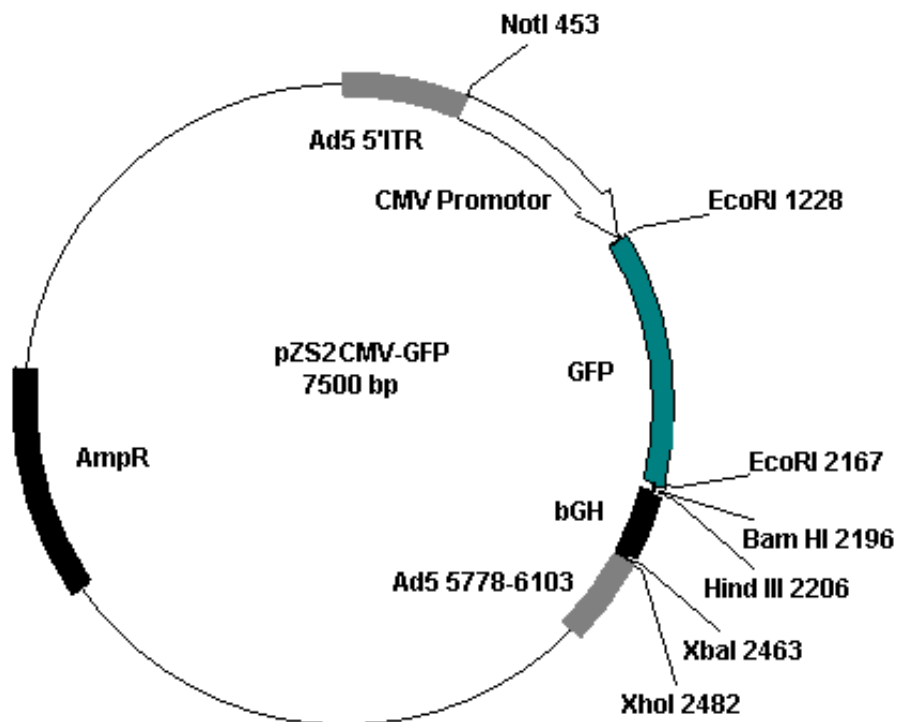


Abb. D: pZS2CMV-GFP

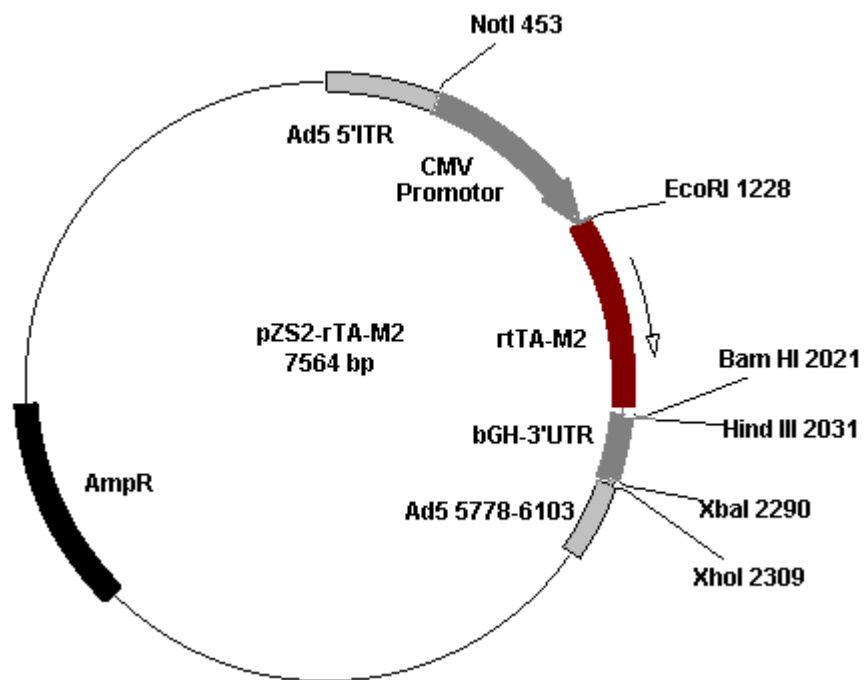


Abb. E: pZS2CMVrtTA-M2

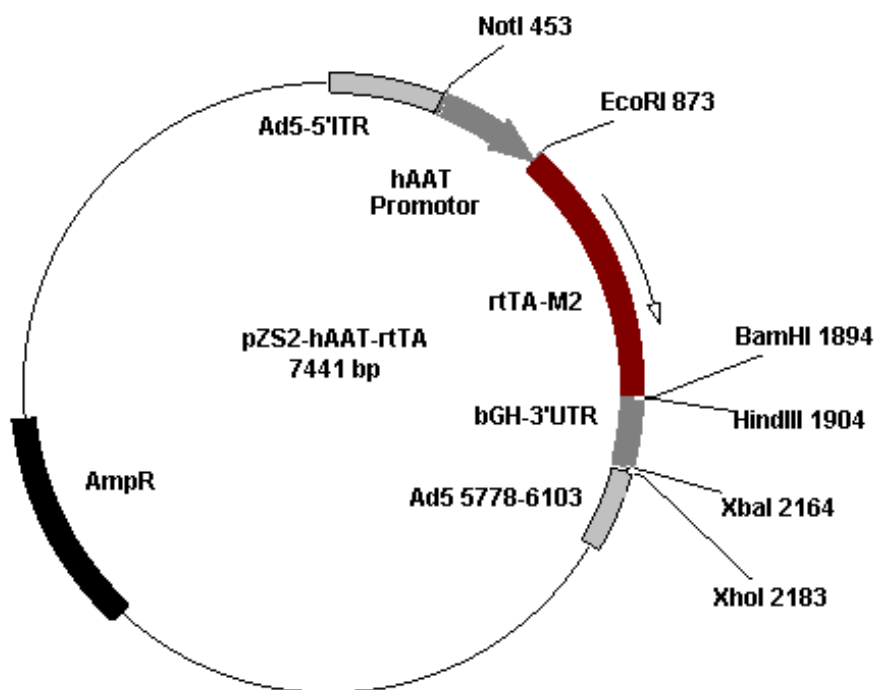


Abb. F: pZS2hAATrtTA-M2

9.3. Verwendete Geräte

Elektrophoresekammern: Hoefer HE33 (Pharmacia Biotech)

GNA100 (Pharmacia Biotech)

Agargel Maxi, 20x20 cm (Biometra)

Genetic Analyzer ABI 310 (Applied Biosystems)

Gewebe-Entwässerungs- und Einbettungsgerät (Sakura)

Hybridisierungssofen Compact Line OV4 (Biometra)

Luminometer Lumat LB 9501 (Berthold GmbH)

Phosphoimager BAS-1500 (Fuji Photo Film Co. Ltd.); Software BAS Reader 2.21

Spannungsquelle für Elektrophorese: Power Pack PP3000 (Biometra)

Spectrophotometer DU 640i (Beckman)

Thermomixer 5436 (Eppendorf)

Thermozykler: Gene Amp Themocycler 9700 (PE Applied Biosystems)

Tischzentrifuge 5414 C (Eppendorf)

Transilluminator TM-15 (UVP)

Trio Thermoblock V2.23 (Biometra)

Ultra Turrax T25 basic (IKA Labor Technik Stauffen)

UV-Stratalinker 1800 (Stratagene)

Vortex-Genie 2 (Scientific Industries Inc.)

9.4. Verzeichnis der Abkürzungen

Abb.	Abbildung
Ad	Adenovirus
AdV	Adenovektor
A. bidest.	Aqua bidestilata
bp	Basenpaare
bzw.	beziehungsweise
C	Cytosin
cDNA	copy (komplementäre) DNA
CMV	Promotor des Cytomegalievirus
C-terminal	Carboxy-terminal
Da	Dalton
DNA	deoxyribonucleic acid (Desoxyribonukleinsäure)
dNTP	Desoxynukleotidtriphosphat
E1A/E1B	early region 1 A/B des Ad5 Genoms
FAM	6-Carboxyfluorescein
FKS	fötales Kälberserum
G	Guanin
GAPDH	Glyceraldehyd-3-phosphat-Dehydrogenase
GFP	green fluorescent protein
h	Stunde
hAAT	Promotor des humanen α_1 -Antitrypsins
i.v.	intravenös
Ig	Immunglobulin
kb	Kilobasen
kDa	Kilodalton
mg	Milligramm
min	Minuten
min ⁻¹	Umdrehungen pro Minute
ml	Milliliter
mg	Milligramm
mRNA	messenger (Boten)-RNA
µg	Mikrogramm

µl	Mikroliter
ng	Nanogramm
nm	Nanometer
N-terminal	Amino-terminal
PBS	phosphat buffer saline
PCR	polymerase chain reaction (Polymerase-Kettenreaktion)
pg	Pikogramm
p.t.	post transfectionem
RCA	replikationskompetenter Adenovektor
RGD	Arginin-Glycin-Asparagin-Sequenz
RNA	ribonucleic acid (Ribonukleinsäure)
RRCA	bedingt replikationskompetenter Adenovirus
s	Sekunde
s.	siehe
SDS	Sodiumdodecylsulfat
s.o.	siehe oben
Tab.	Tabelle
TAMRA	N,N,N',N'-Tetramethyl-6-carboxyrhodamin
TSR	template suppression reagent
U	unit (Einheit)
v.a.	vor allem
vgl.	vergleiche
z.B.	zum Beispiel