10. APPENDIX

I: Abbreviations

Abbreviation	Full expression
5-azaC	5-azacytidine
Ac	acetylation
APS	ammonium persulphate
bp	base pair
BSA	bovine serum albumin, fraction V
Cass	transcription cassette
ChIP	chromatin immuoprecipitation
CMV	human cytomegalovirus
CpG	cytosine and guanine dinucleotide
CS	cleavage site
ddH2O	double distilled water
DMEM	Dulbecoo's Modified Eagle's Medium
DMSO	dimethylsulfoxide
DNA	deoxyribonucleic acid
DNMT	DNA methyltransferase
EF (EF-1a)	human elongation factor-1 alpha
EGFP	enhanced green fluorescent protein
FACS	fluorescence-activated cell scanning
FACSorting	fluorescence-activated cell sorting
h	hour
HDAC	histone deacetylase
hrGFP	humanized recombinant GFP
$Hyg^{R/S}$	hygromycin resistant/sensitive
IRES	internal ribosomal entry site
LB	Luria Bertani
LCR	locus control region
M	Molar
MACS	magnetic assistant cell sorting
Me	methylation

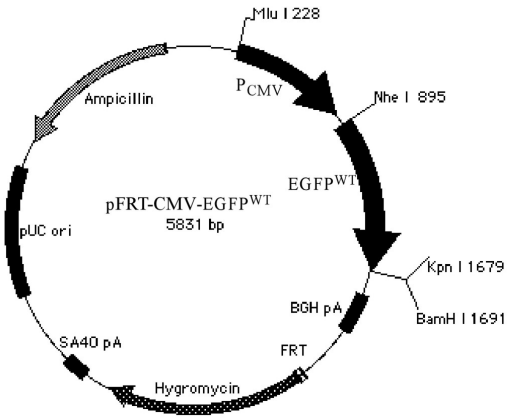
MEM	Minimum Essential Medium Eagle
Min	minute
mRNA	messenger RNA
ms.	multiple copy
no.	number
O/N	over night
PBS	phosphate buffered saline
PCNA	proliferating cellular nuclear antigen
PEV	position effect variegation
PI	propidium iodide
RIGS	repeat-induced gene silencing
RMCE	recombinase-mediated cassette exchange
RNA	ribonucleic acid
rRNA	ribosome RNA
RT	room temperature
SAP	shrimp alkaline phosphatase
SDS	sodium dodecyl sulphate
SSC	standard saline citrate
SV40	simian virus 40
TEMED	N,N,N',N'- tetramethylethylene diamine
tRNA	transport RNA
TSA	trichostatin
UAS	upstream activating sequence
UV	ultraviolet
X-gal	5-bromo-4-chloro-3-indolyl-ß-D-galactoside
$Zeo^{R/S}$	Zeocin resistant/sensitive

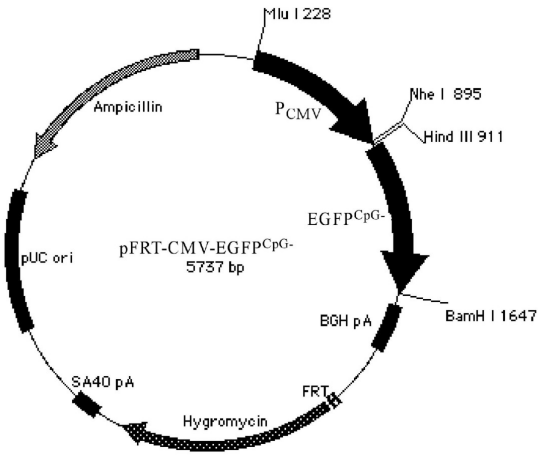
II. List of Figures

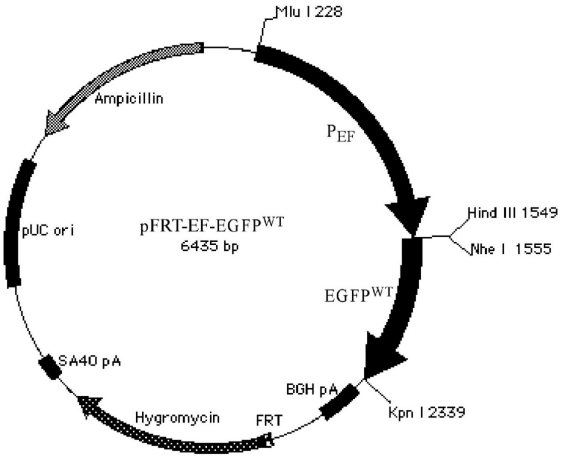
III. List of Tables

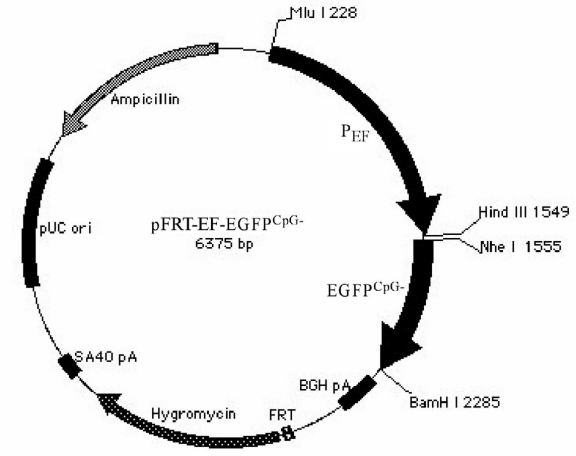
IV. Maps of Plasmid Constructs

Expression plasmids used in the Flp-In system:



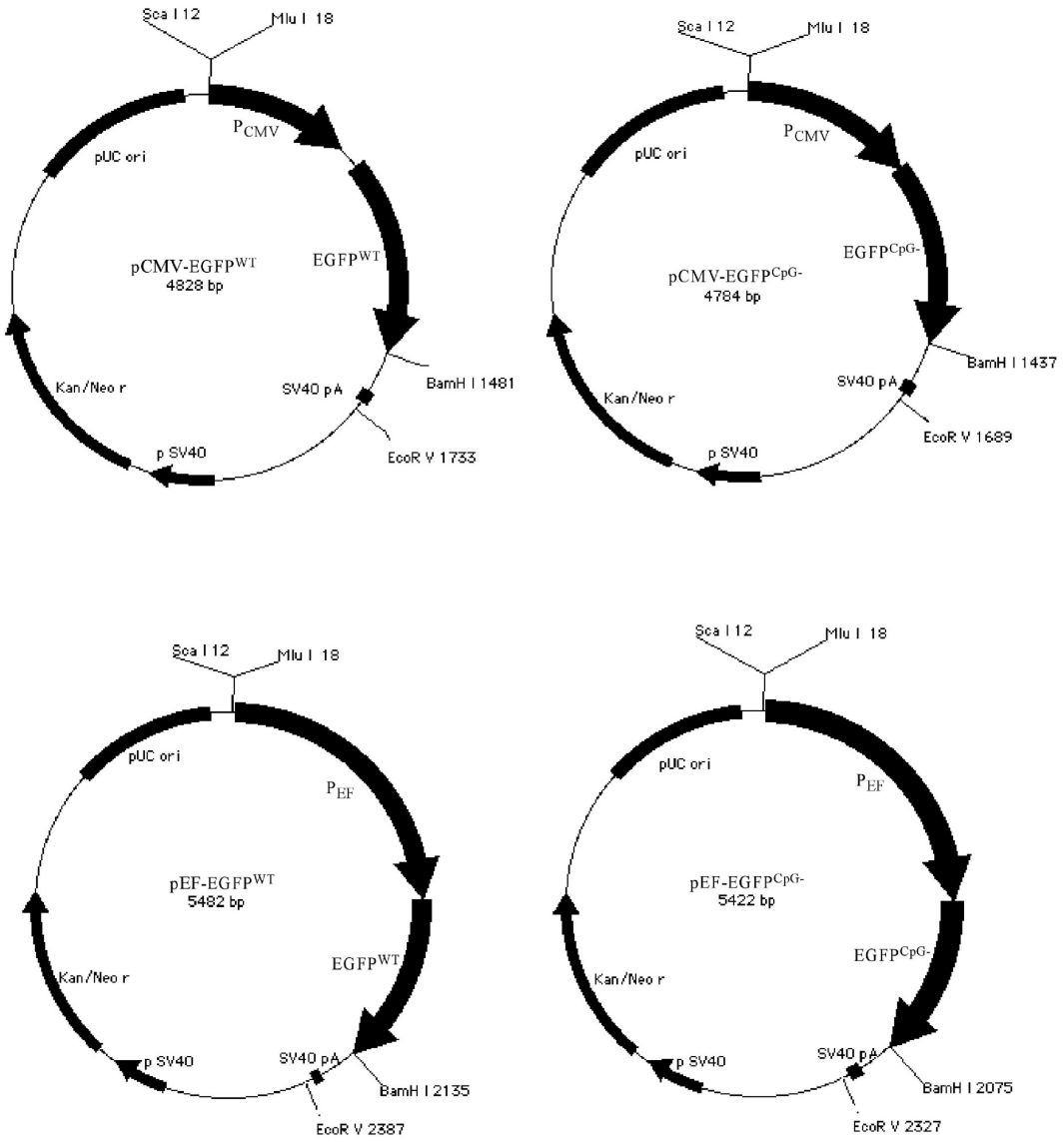






Note: The above four plasmids were constructed basing on pcDNA5/FRT (Invitrogene Co., the Netherlands).

Expression vectors used in the experiments by means of “Sorting-Subcloning”:



Note: the above four plasmids were constructed based on pEGFP-C1 (BD Biosciences, Clontech).