FBrf0093869

Kathy Matthews,22/11/96 2:23 pm, 1

Date: Fri, 22 Nov 96 09:23:49 EST
From: "Kathy Matthews" <[redacted]>
To: [redacted]
Status:

FBrf0093869

I. Davis.

Hi Ilan,

Yes, please send along your GFP line, with relevant info. Thanks for offering it.

Regards, Kathy

Dear Kathy,

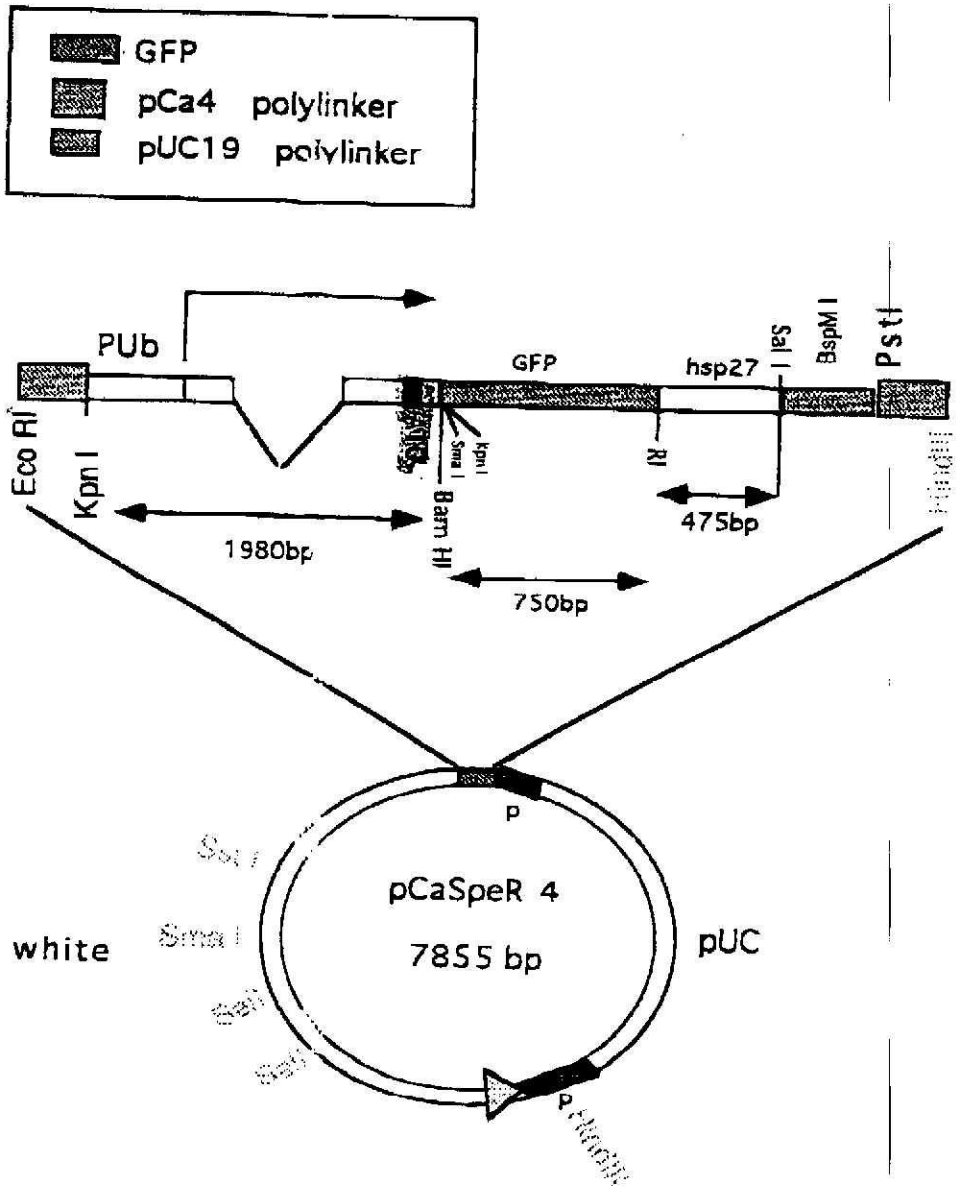
I enclose lines of two constructs:

- plasmid number 33 {pID33}: nuclear GFP (on X)
- plasmid number 34 {pID34}: nuclear GFP
  (double homozygous on 2nd & 3rd)

Post-it™ Fax Note 7671	Date 1/28/97	# of pages ▶ 7
To Lynn Crosby/FlyBase	From Kathy Matthews	
Co./Dept.	Co.	
Phone #	Phone # [redacted]	
Fax # [redacted]	Fax #	

Plasmid number	33 **Plasmid name** pCa4GFPh27
Original source	Ilan Davis, O'Farrell lab
Insert and size	
Vector type and size	pUC19 2.686Kb
Construction	partial KpnI - PstI of 28 into KpnI - PstI of pCa4
Selection(s)	Amp in bacteria
Sites to cut out insert	
Unique PL sites	see map
Purification:	**Mini_prep** X **Quiagen** **CsCl**
References	
Key words	pCa4 hsp27 GFP polyubiquitin
Comments	GFP expression from polyubiquitin promoter when.

33) pCa4 [redacted]UbGFPh27



33) pUbGFP sequence at cloning juctions

polyUbiquitin (fused polylinkers)

SmaI

1/1 BamHI KpnI 31/11

ATG	CAG	ATC	GGG	GAT	CCC	CGG	GTA	CCG	GTA	GAA	AAA
M	Q	I	G	D	P	R	V	P	V	E	K

(wild type GFP)

61/21

ATG	AGT	AAA	GGA	GAA	GAA	CTT	TTC	ACT
M	S	K	G	E	E	L	F	T

Plasmid number 34 **Plasmid name** pCa4nlsGFPh27

Original source Ilan Davis, O'Farrell lab

Insert and size

Vector type and size pUC19 2.686Kb

Construction partial KpnI - PstI of 27 into KpnI - PstI of pCa4

Selection(s) Amp in bacteria, white in flies

Sites to cut out insert

Unique PL sites see map

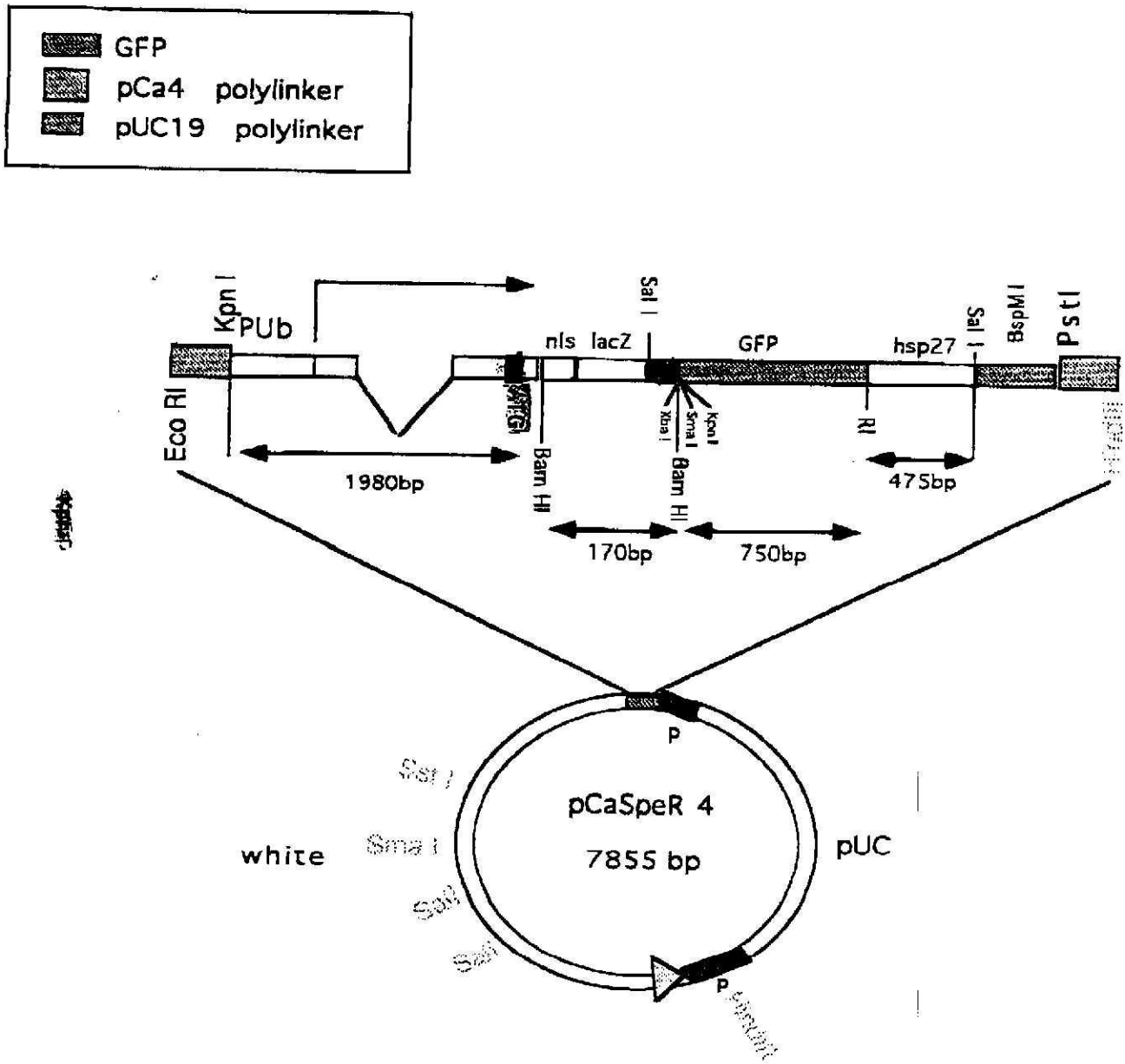
Purification: Mini_prep Quiagen X CsCl

References

Key words pCa4 hsp27 nls GFP polyubiquitin

Comments nls-GFP expression from polyubiquitin promoter.

34) pCa4UbnlsGFPh27



P.07
FAX NO.
JAN-28-97 TUE 12:15 PM KAUFMAN LAB

34) pUbnlsGFP sequence at cloning juctions

PolyUbiquitin — nls

1/1 BamHI 31/11

```
ATG CAG ATC GGG GAT CCC ACC CCA CCC AAG AAG AAG CGC AAG
M   Q   I   G   D   P   T   P   P   K   K   K   R   K
```

Polylinker

```
GTG GAG GAC GAT CCC
V   E   D   D   P
```

lacZ

61/21 91/31

```
GTC GTT TTA CAA CGT CGT GAC TGG GAA AAC CCT GGC GTT ACC CAA CTT AAT CGC CTT GCA GCA
V   V   L   Q   R   R   D   W   E   N   P   G   V   T   Q   L   N   R   L   A   A
```

lacZ

121/41 151/51

```
CAT CCC CCT TTC GCC AGC TGG CGT AAT AGC GAA GAG GCC CGC ACC GAT CGC CCT TCC CAA
H   P   P   F   A   S   W   R   N   S   E   E   A   R   T   D   R   P   S   Q
```

lacZ — Polylinker

181/61 211/71

SalI XbaI BamHI SmaI KpnI

```
CAG TTG CGG TCG ACT CTA GAG GAT CCC CGG GTA CCG GTA GAA AAA
Q   L   R   S   T   L   E   D   P   R   V   P   V   E   K
```

wild type GFP →

241/81

```
ATG AGT AAA GGA GAA GAA CTT TTC ACT ...      ...GAA CTA TAC AAA TAG
M   S   K   G   E   E   L   F   T   ...      ...
```