

POMC gene



A

POMC

B

POMC (- END)

C

END
POMC1xEND
(- ACTH, MSH)

D

END
POMC2xEND
(- ACTH, MSH)

E

END
POMC3xEND
(- ACTH, MSH)

MIDGE vectors

Chimeric
intron

Signal
peptide

END

SV40 p(A)
Hairpin
ODNs

MSH

ACTH

NLS

PCMV

POMC-MIDGE-NLS

control MIDGE-NLS

END

1xEND-MIDGE-NLS

END

2xEND-MIDGE-NLS

END

3xEND-MIDGE-NLS

