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PRODUCT: Mate & Plate™ Library - Mouse Embryo 17-day

CATALOG No. 630476

LOT NUMBER: 1001044A

STORAGE CONDITIONS

Store all components at -70°C .
Do not refreeze.

SHELF LIFE

1 year from date of receipt under proper storage conditions.

SHIPPING CONDITIONS

Dry ice (-70°C).

mRNA SOURCE

Mouse 17-day Embryo, poly A+

NOTE: No further information on the mRNA source was made available to Clontech.

DESCRIPTION

Mouse embryo (17-day) cDNA library transformed into yeast strain Y187. The library can be readily mated to a *MATa* GAL4 reporter strain, such as AH109 or Y2HGGold (1).

PACKAGE CONTENTS

- 5 x 1.0 ml Mate & Plate Library - Mouse Embryo 17-day
- 1 x 1.0 ml Mate & Plate Library - Control (pGADT7-T in Y187)

OTHER

- Matchmaker™ Gold Yeast Two-Hybrid User Manual (PT4084-1)
- pGADT7-Rec Vector Information (PT3530-5)

CLONING VECTOR: pGADT7-Rec

PRIMING METHOD: oligo-(dT)

YEAST GENOTYPE (Y187): *MAT α* , *ura3-52*, *his3-200*, *ade2-101*, *trp1-901*, *leu2-3, 112*, *gal4 Δ* , *gal80 Δ* , *met-*, *URA3 :: GAL1_{UAS}-GAL1_{TATA}-LacZ*, *MEL1*

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

1. Library Construction Notes

This library was constructed using homologous recombination-mediated cloning directly in the Y187 yeast strain.

2. Library Information

- | | |
|----------------------------------|-----------------------------|
| A. Titer (yeast colonies): | $\geq 5 \times 10^7$ cfu/ml |
| B. Number of independent clones: | 2.6×10^7 |
| C. Insert size range: | 0.5 to ≥ 3 kb |

The insert size range is determined by examination of an agarose/EtBr gel of the cDNA prior to cloning.



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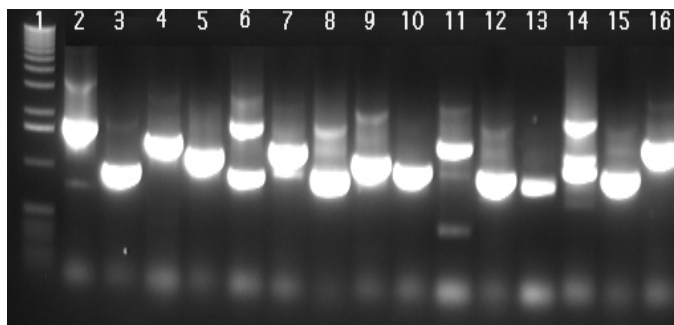
(PA8Y2977)

QUALITY CONTROL DATA continued**3. Library Insert Size Range Analysis**

15 yeast colonies were randomly picked and then screened by PCR using the Matchmaker™ AD LD-Insert Screening Amplimer Set (Cat. No. 630433)

15 of 15 colonies contained inserts as determined by PCR.

Lane 1. 1-kb DNA ladder
2. 1.52 kb
3. 0.77 kb
4. 1.19 kb
5. 0.95 kb
6. 0.72 kb
7. 1.05 kb
8. 0.72 kb
9. 0.87 kb
10. 0.77 kb
11. 1.15 kb
12. 0.66 kb
13. 0.66 kb
14. 0.82 kb
15. 0.70 kb
16. 1.05 kb

**REFERENCES**

1. Pretransformed Mate & Plate™ Libraries (January 2008) *Clontechniques* XXIV(1):26-27.

Mate & Plate™ Library - Mouse Embryo 17-day

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630476

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