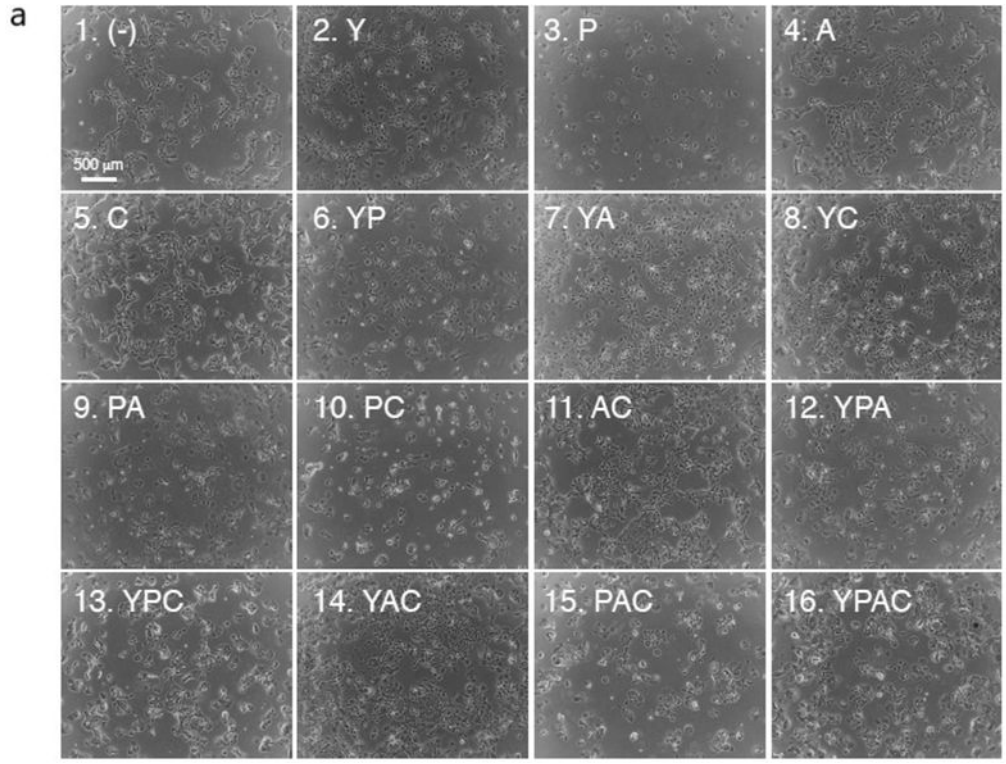
Fig. 1


a
1. (-)
500 μm
2. Y
3. P
4. A
5. C
6. YP
7. YA
8. YC
9. PA
10. PC
11. AC
12. YPA
13. YPC
14. YAC
15. PAC
16. YPAC

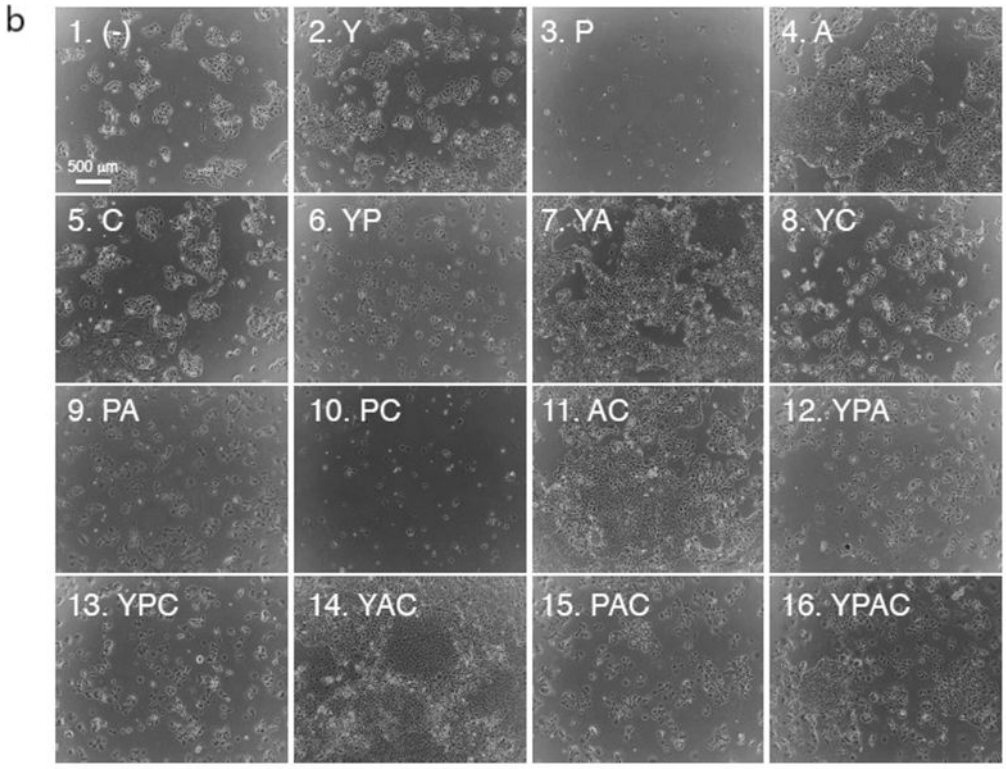

b
1. (-)
500 μm
2. Y
3. P
4. A
5. C
6. YP
7. YA
8. YC
9. PA
10. PC
11. AC
12. YPA
13. YPC
14. YAC
15. PAC
16. YPAC

Fig. 3

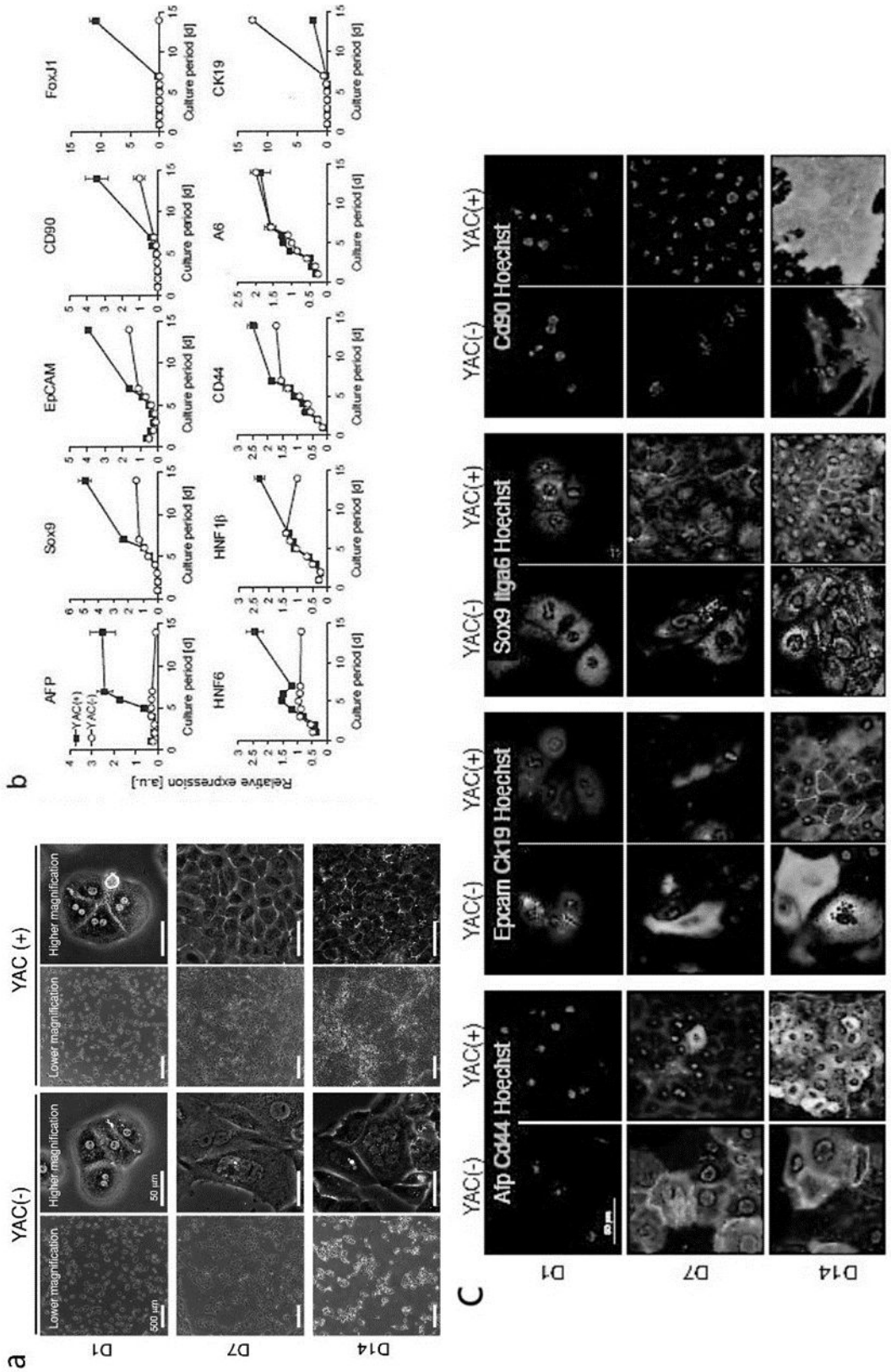
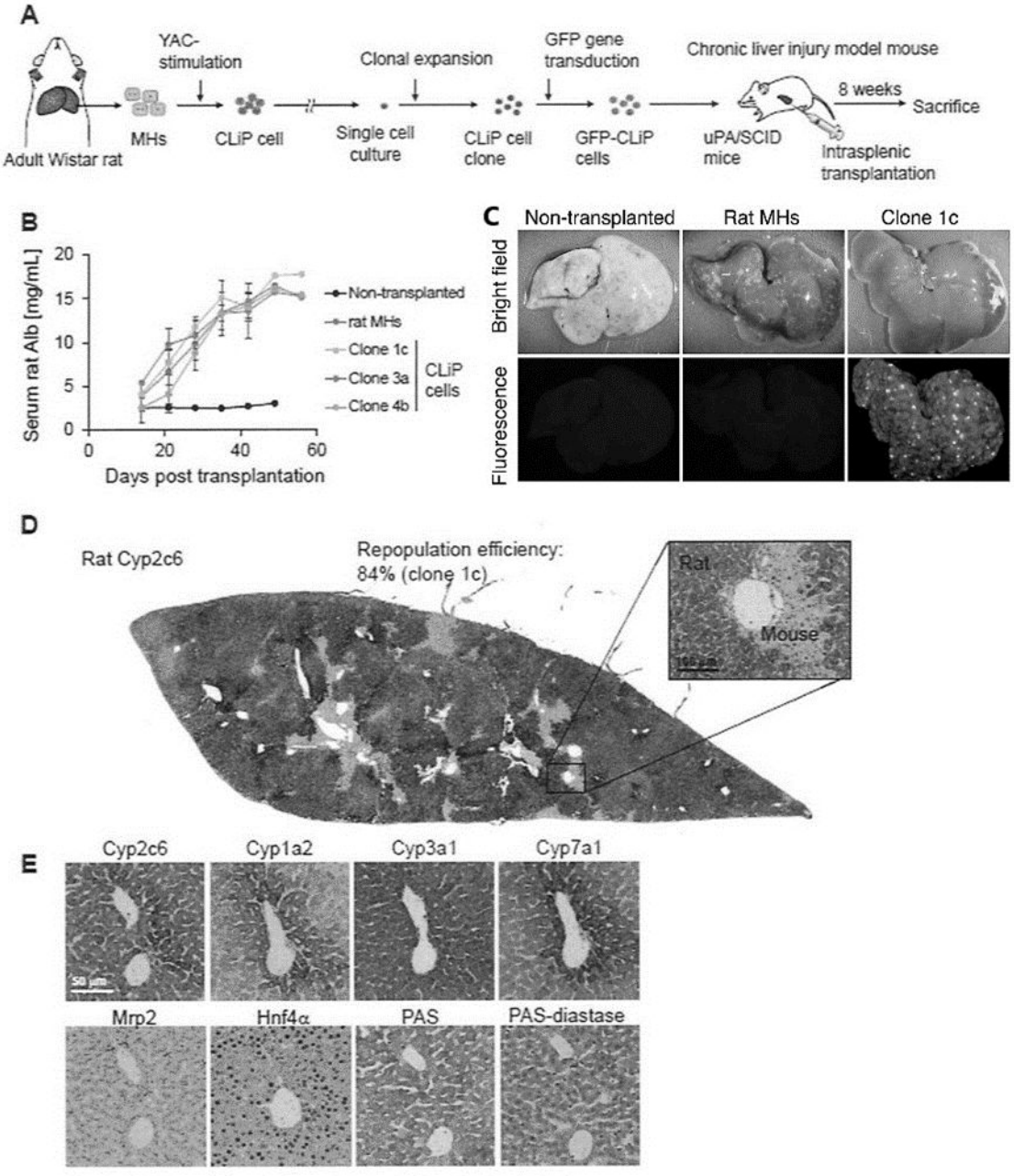

a
YAC(-)
YAC (+)
Lower magnification
Higher magnification
Lower magnification
Higher magnification
D1
D7
D14
500 µm
50 µm
b
AFP
Sox9
EpCAM
CD90
FoxJ1
HNF6
HNF1β
CD44
A6
CK19
YAC(+)
YAC(-)
Relative expression [a.u.]
Culture period [d]
C
YAC(-)
YAC(+)
Afp Cd44 Hoechst
Epcam Ck19 Hoechst
Sox9 Itga6 Hoechst
Cd90 Hoechst
D1
D7
D14

Fig. 8


A
YAC-stimulation
Clonal expansion
GFP gene transduction
Chronic liver injury model mouse
8 weeks
Sacrifice
Adult Wistar rat
MHs
CLiP cell
Single cell culture
CLiP cell clone
GFP-CLiP cells
uPA/SCID mice
Intrasplenic transplantation
B
Serum rat Alb [mg/mL]
Days post transplantation
Non-transplanted
rat MHs
Clone 1c
Clone 3a
Clone 4b
CLiP cells
C
Non-transplanted
Rat MHs
Clone 1c
Bright field
Fluorescence
D
Rat Cyp2c6
Repopulation efficiency:
84% (clone 1c)
Rat
Mouse
E
Cyp2c6
Cyp1a2
Cyp3a1
Cyp7a1
Mrp2
Hnf4α
PAS
PAS-diastase