



広島大学



国立研究開発法人 日本医療研究開発機構  
Japan Agency for Medical Research and Development



東京大学  
THE UNIVERSITY OF TOKYO



理化学研究所

**NEWS RELEASE**



令和3年9月14日



**9 16 14**



- 
- 
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**HB**  
**HCC**

**80%**

**JPLT**

**JPLT**  
**163**

**154**

**9**

**TERT**  
**TLCT**

**8**

**ASCL2**

**IGF2**

**DLX6AS1**

**Nature Communications 9 20**

**Genetic and epigenetic basis of hepatoblastoma diversity**

**Genta Nagae, Shogo Yamamoto, Masashi Fujita, Takanori Fujita<sup>1</sup>, Aya Nonaka, Takayoshi Umeda, Shiro Fukuda, Kenji Tatsuno, Kazuhiro Maejima, Akimasa Hayashi, Sho Kurihara, Masato Kojima, Tomro Hishiki, Kenichiro Watanabe, Kohmei Ida, Michihiro Yano, Yoko Hiyama, Yukichi Tanaka, Takeru Inoue, Hiroki Ueda, Hidewaki Nakagawa, Hiroyuki Aburatani, Eiso Hiyama**  
**Nature Communications**

**TLCT**

**JPLT-2**

**163**

**154**

**9**

**1Mb**

**0.52**

**Wnt 7**

**CTNNB1**

**APC**

8

TLCT

E

TERT

8

( E1 E4)

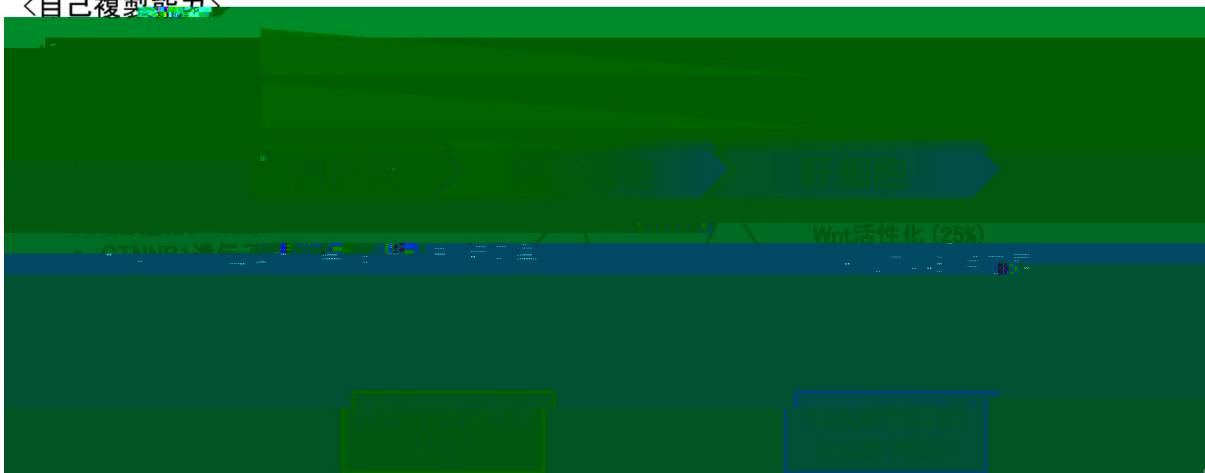
Wnt

ASCL2

ASCL2

DLX6AS1

<自己複製能力>



( E2, E3, E4)

CINNB1

ASCL2

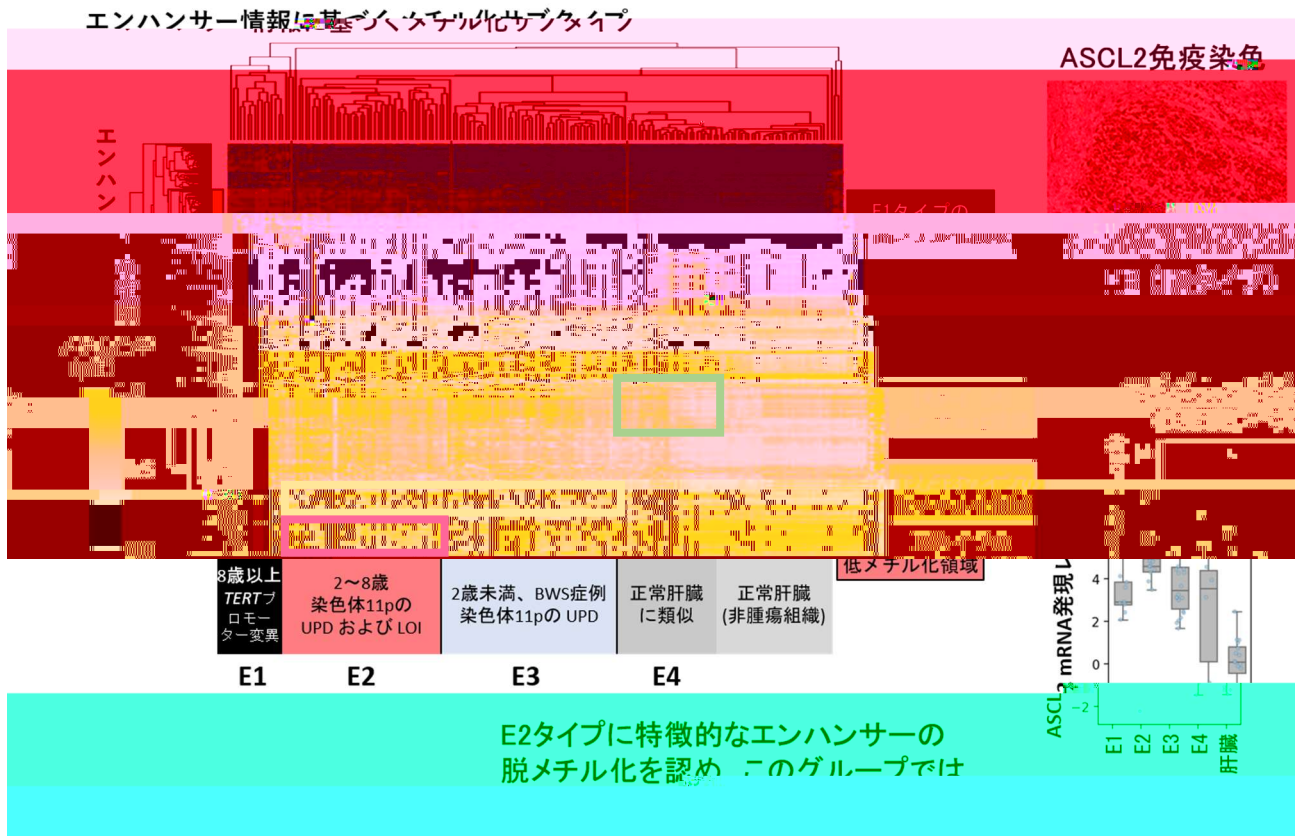
Wnt

IGF2

E1

TERT





## JPLT

1989

JPLT-2

2

130

JPLT-3 JPLT4

URL: <https://home.hiroshima-u.ac.jp/eiso/>

3

DNA

DNA

DNA

RNA

**1**

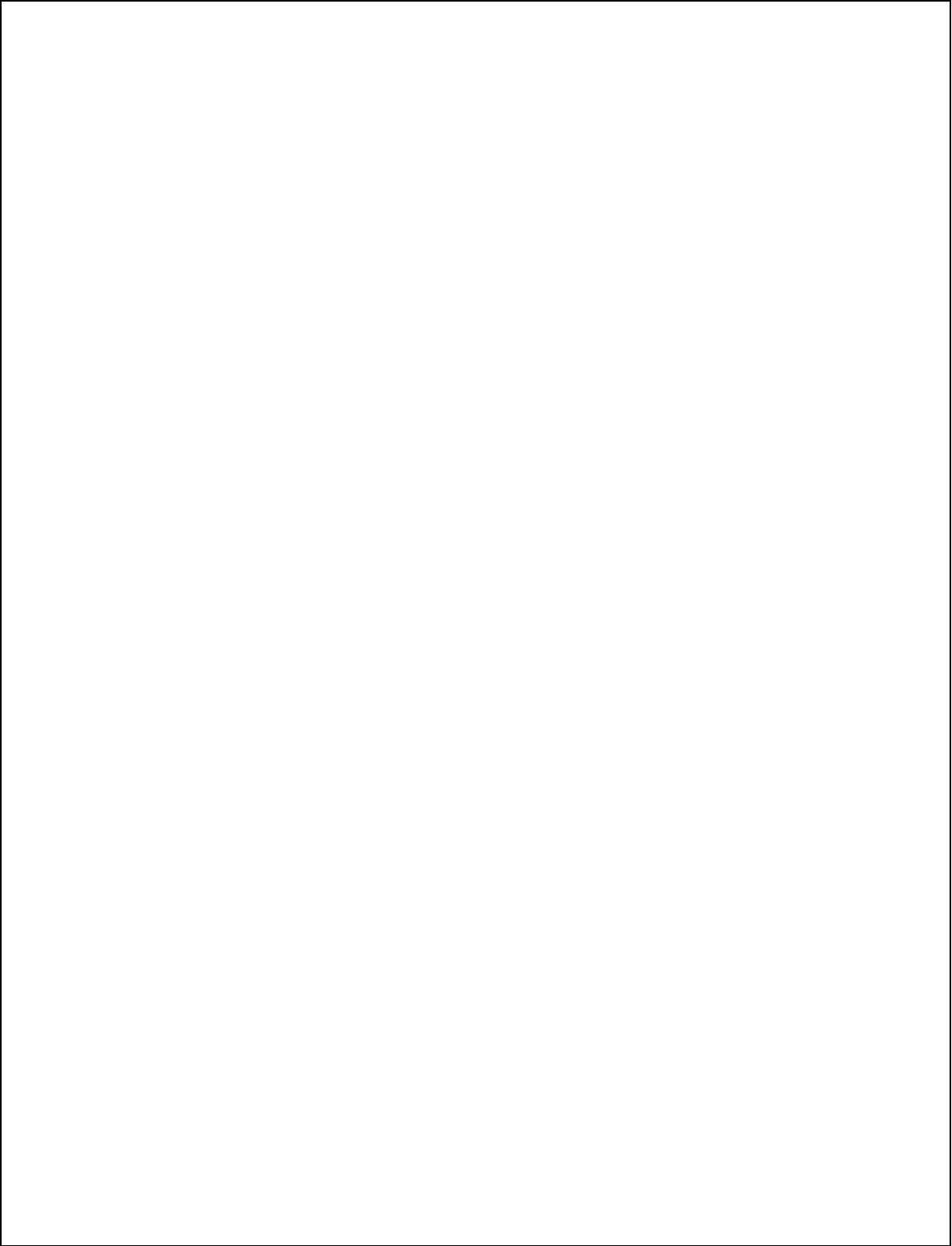
**2**

**DNA**  
**DNA**

**RNA**

**100**

**Wit**



**9 16 14**

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