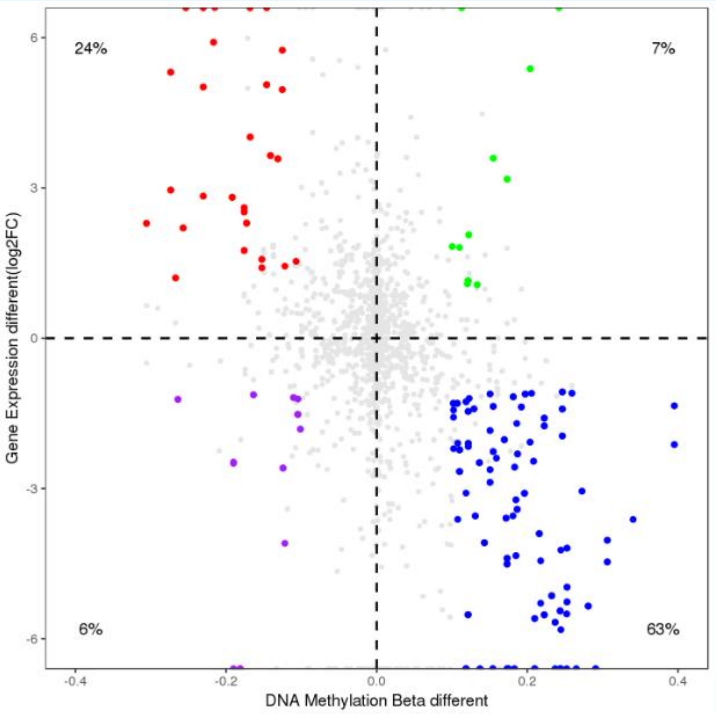
表观线_高级分析

目 录

CONTENTS

■ Methyl&RNA的关联分析_1



结果展示

结果
文献应用
read.me

参考文献

Li et al. *Cell Death Discovery* (2018)4:36
DOI 10.1038/s41420-018-0033-x

Cell Death Discovery

ARTICLE Open Access

Novel biomarker *ZCCHC13* revealed by integrating DNA methylation and mRNA expression data in non-obstructive azoospermia

Zhiming Li[1,2], Shuai Chen[1], Yufeng Yang[2], Xuan Zhuang[2,3] and Chi-Meng Tzeng[1,4,5]

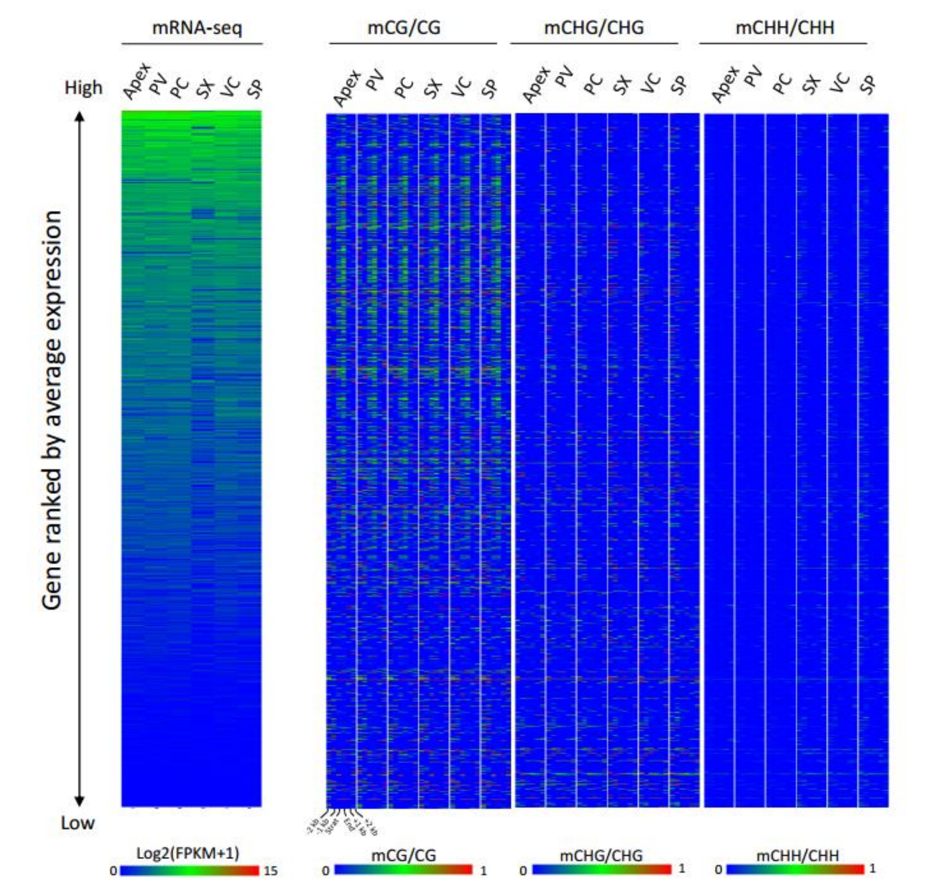
适用项目

850K、捕获测序、WGBS、MeDIP-seq

注意事项

关联的方式很多可通过基因关联也可通过位点关联，基因关联可与mRNA、lncRNA、mRNA&lncRNA关联。

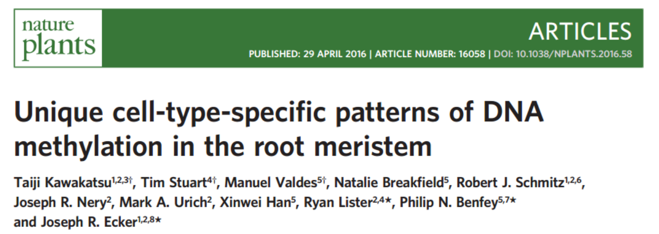
■ Methyl&RNA的关联分析_2



结果展示

结果
文献应用
read.me

参考文献



nature plants

ARTICLES

PUBLISHED: 29 APRIL 2016 | ARTICLE NUMBER: 16058 | DOI: 10.1038/NPLANTS.2016.58

Unique cell-type-specific patterns of DNA methylation in the root meristem

Taiji Kawakatsu[1,2,3†], Tim Stuart[4†], Manuel Valdes[5†], Natalie Breakfield[5], Robert J. Schmitz[1,2,6], Joseph R. Nery[2], Mark A. Urich[2], Xinwei Han[5], Ryan Lister[2,4★], Philip N. Benfey[5,7★] and Joseph R. Ecker[1,2,8★]

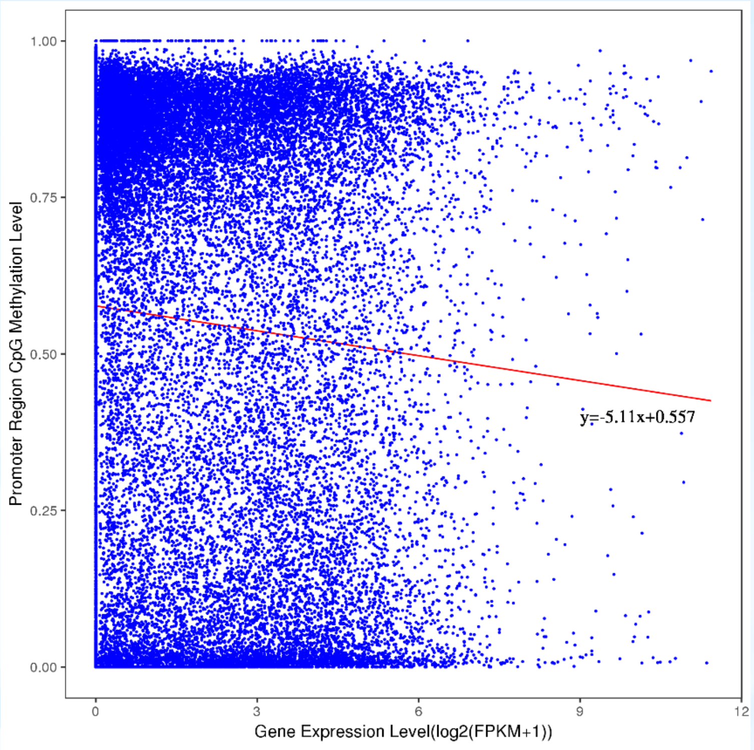
适用项目

WGBS、捕获测序

注意事项

捕获测序的CHG、CHH水平的甲基化位点信息不多

Methyl&RNA的关联分析_3



结果展示

结果

文献应用

read.me

参考文献

SCIENTIFIC REPORTS

OPEN Genome-wide methylation analysis identified sexually dimorphic methylated regions in hybrid tilapia

适用项目

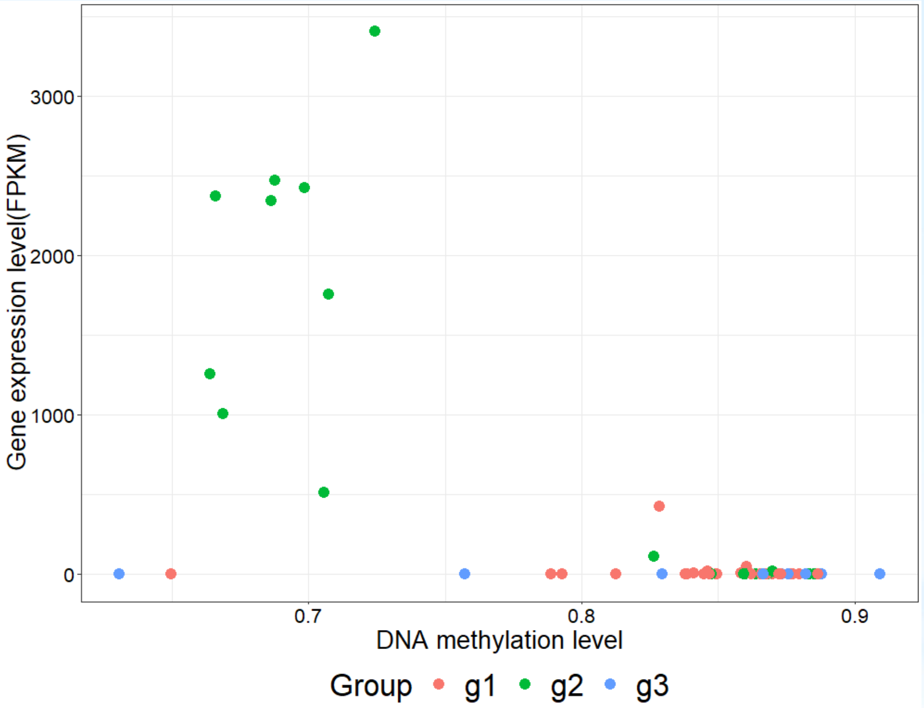
WGBS、捕获测序

注意事项

甲基化值推荐取启动子区的CG位点甲基化均值，一般包括TSS200,TSS1000,TSS1500。

■ 特定基因的甲基化程度与基因表达关联

CTRC



结果展示


结果
文献应用
read.me

参考文献


Resource

Cell

Comprehensive and Integrative Genomic Characterization of Hepatocellular Carcinoma

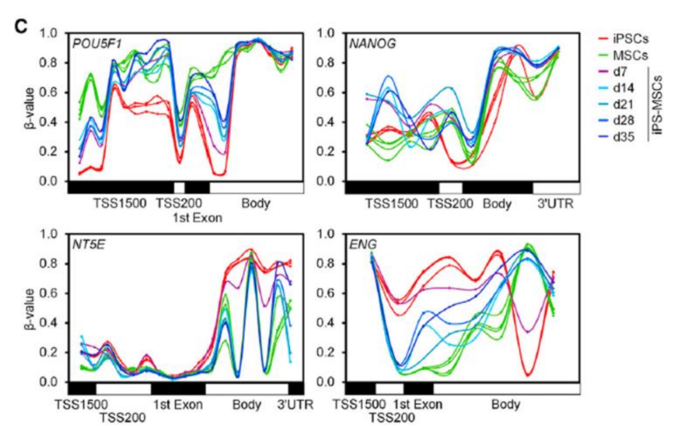
适用项目

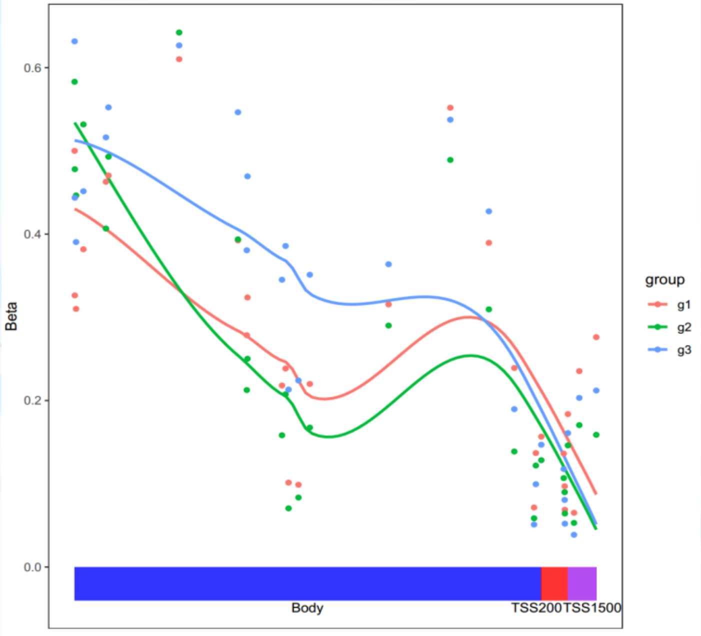
850K、捕获测序、WGBS

注意事项

取基因启动子区（TSS200、TSS1500）位点的甲基化均值与对应基因的表达量进行关联

■ 特定基因的甲基化程度走走势图

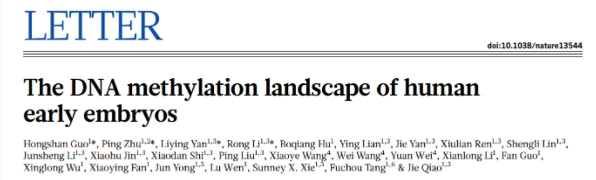




结果展示


结果
文献应用
read.me

参考文献


LETTER

doi:10.1038/nature13544

The DNA methylation landscape of human early embryos

Hongshan Guo[1]*, Ping Zhu[1,2]*, Liying Yan[1,3]*, Rong Li[1,3]*, Boqiang Hu[1], Ying Lian[1,3], Jie Yan[1,3], Xiulian Ren[1,3], Shengli Lin[1,3], Junsheng Li[1,3], Xiaohu Jin[1,3], Xiaodan Shi[1,3], Ping Liu[1,3], Xiaoye Wang[4], Wei Wang[4], Yuan Wei[4], Xianlong Li[1], Fan Guo[1], Xinglong Wu[1], Xiaoying Fan[1], Jun Yong[1,5], Lu Wen[1], Sunney X. Xie[1,5], Fuchou Tang[1,6] & Jie Qiao[1,3]

适用项目

850K、捕获测序、WGBS

注意事项