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## 干露胁迫对长牡蛎基因组 DNA 甲基化的影响

摘要:

*Crassostrea gigas*

*P*

*P*

关键词:

中图分类号:

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*Crassostrea gigas*

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作者简介:

通信作者:

μ

1.2.2 F-MSAP

*Eco*

*Hpa*

*Msp*

*Hpa Msp*

μ

*Eco*

μ

μ

μ

μ

1 材料与amp;方法

μ *Eco*

μ

μ

1.1 材料

*Hpa Msp*

μ

μ

μ

μ

*Taq*

μ

μ

μ

1.2 方法

*Eco*

1.2.1 DNA

—

μ

μ

μ

*Eco*

μ

μ

*Hpa*

*Msp*

μ

μ

μ

μ

*Taq*

表 1 F-MSAP 分析所用接头与引物组合序列  
Tab. 1 Primers and adapters used in F-MSAP analysis

<i>Eco</i>	' '	<i>Hpa</i>	<i>Msp</i>	' '
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μ

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### 1.3 数据处理和分析

## 2 结果与分析

*P*

### 2.1 干露胁迫下长牡蛎 DNA 甲基化分析

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### 2.3 不同组织干露胁迫甲基化模式比较

### 2.2 干露胁迫下长牡蛎 DNA 甲基化模式分析

*Hpa Msp*

*Hpa*

*Eco Msp Eco*

表 2 干露胁迫对长牡蛎 DNA 甲基化水平

Tab. 2 The effect of air exposure treatment on the genomic DNA methylation state of *Crassostrea gigas*

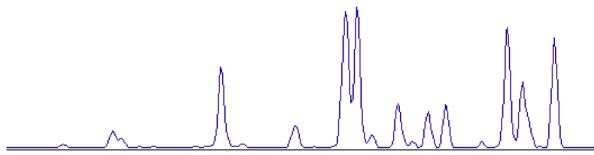
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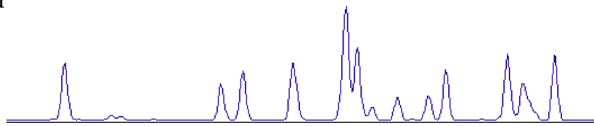
150 ←III ←II 160 170 ←I 180 190

H



150 ←III ←II 160 170 ←I 180 190

M



*Eco* *Hpa*

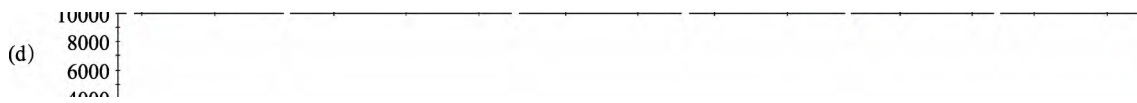
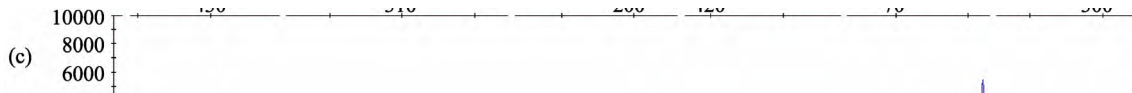
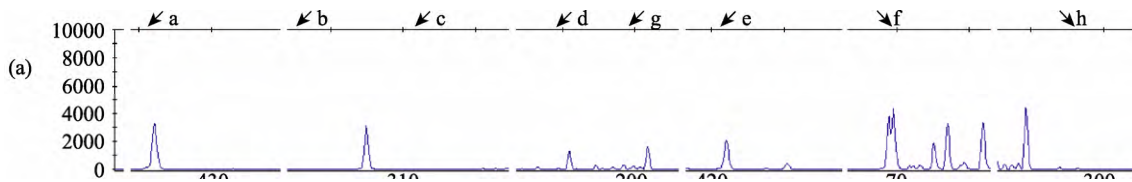
*Eco* *Msp*

*Crassostrea gigas*

*Eco* *Msp*

*Eco* *Hpa*

P



*Eco* *Msp* *Eco* *Hpa*

*Eco* *Msp*

*Eco* *Hpa*

*Eco* *Hpa* *Eco* *Hpa*

*Eco* *Msp* *Eco* *Msp*

表 3 不同干露时间长牡蛎基因组 DNA 甲基化变异  
 Tab. 3 Mutation patterns of genomic DNA methylation in different air exposure stages

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	<i>Apostichopus japonicas</i>	
	<i>Chlamys farreri</i>	
	<i>Patinopecten yessoensis</i>	
	<i>Anodonta woodiana</i>	
	<i>Crassostrea gigas</i>	
	<i>Ciona intestinalis</i>	
<i>P</i>		<i>Cynoglossus semi-</i>
	<i>laevis</i>	<i>Gallus gallus,</i>
	<i>scrofa</i>	<i>Sus</i>

### 3 讨论

*Drosophila melanogaster*

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参考文献:

*Oryza sativa* .

*Aplysia*

*hox*

*Apis*

*mellifera*

*Apis mellifera*

*Bombyx mori*

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*Apostichopus*

*japonicus*

*Chlamys farreri*

*Patinopecten yessoensis*

*Crassostrea gigas*

*Crassostrea gi-*

*Anodonta woodiana*

*gas*

*Crassostrea gigas*

*C. gigas*

*gigas*

*Crassostrea*

*Crassostrea gigas*

*Drosophila*

*Crassostrea gigas*

*Crassostrea gigas*

*punicus*

*Apostichopus ja-*

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*Octopus vulgaris*

*gigas*

*Crassostrea*

## Effects of air exposure on genomic DNA methylation in the Pacific oyster (*Crassostrea gigas*)

**Abstract:** *Crassostrea gigas*

*P*

*P*

*C. gigas*

**Key words:** *Crassostrea gigas*

**Corresponding author:**