



【本件リリース先】  
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広島大学関係報道機関

**NEWS RELEASE**

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1

TALEN <sup>2</sup>  
3

DNA

TALEN

DNA

4 2 15

Nature Research

Scientific

Reports

(OPERA)

Scientific Reports

Genome editing with removable TALEN vectors harboring a yeast centromere and autonomous replication sequence in oleaginous

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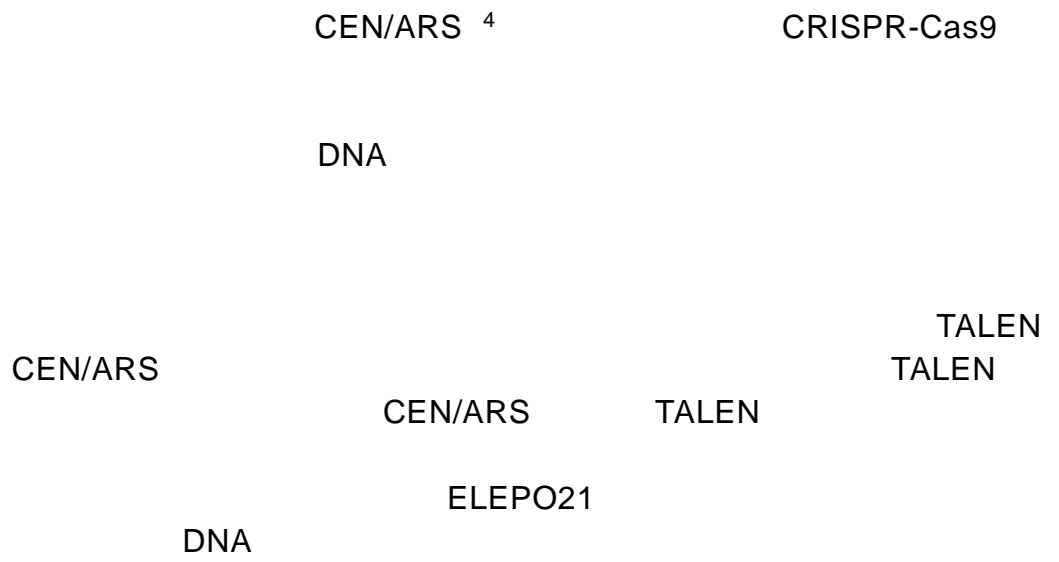
1)

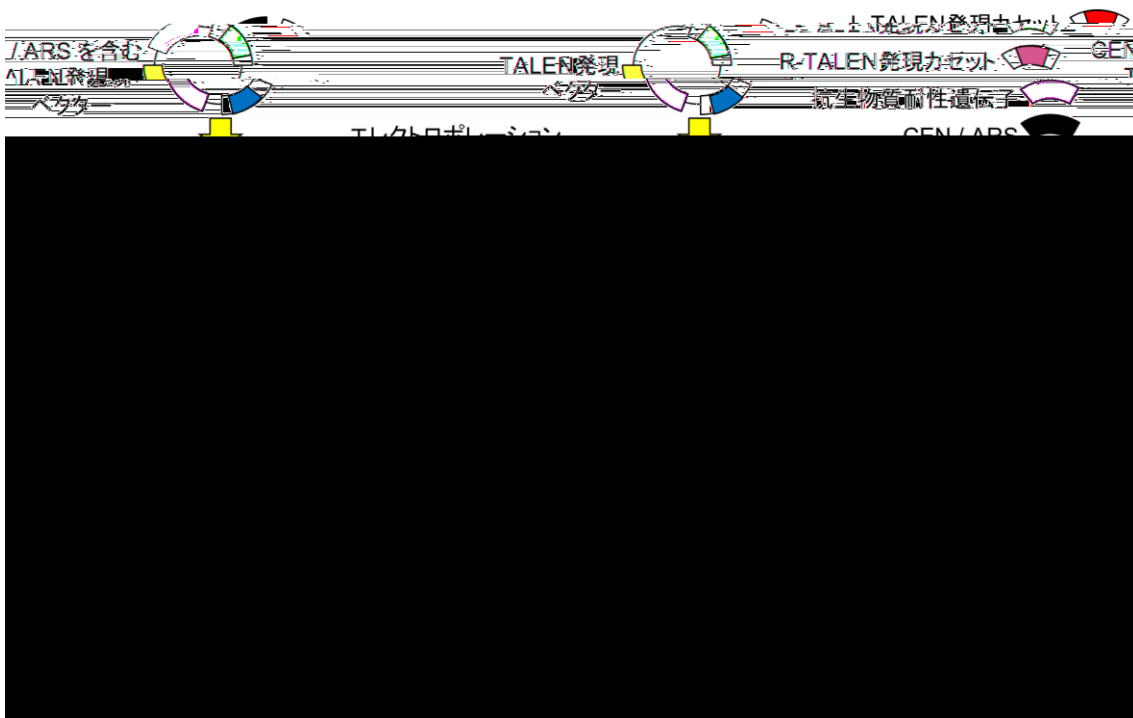
2)

3)

\*

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1

CO<sub>2</sub>

CO<sub>2</sub>

2 TALEN

Transcription activator-like effector nuclease

DNA

TALE DNA FokI  
 DNA L-TALEN R-TALEN 2 TALEN  
 DNA TALEN  
 DNA

Clustered regularly interspaced short palindromic repeats (CRISPR) CRISPR-associated protein 9 (Cas9)  
 DNA

3

DNA

4 CEN/ARS

Centromere and autonomous replication sequence

CEN/ARS

CEN/ARS

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