

# Biopolymers & Bioplastics

## Biosynthesis of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) with high C<sub>6</sub>-monomer composition from CO<sub>2</sub> by recombinant of *Ralstonia eutropha*

and

<sup>1</sup>Kindai University, Japan

<sup>2</sup>Tokyo Institute of Technology, Japan

**P**oly((R)-3-hydroxybutyrate-co-(R)-3-hydroxyhexanoate) [P(3HB-co-3HHx)], a exible and practical biodegradable plastic, is generally produced from plant oils and fatty acids by several wild and recombinant bacteria. Fukui and his coworkers constructed many recombinants of *Ralstonia eutropha* for studying biosynthesis of [P(3HB-co-3HHx)] with high 3HHx comp1.488 -e(d)11.mp1 h.( )JTJ / (f o)12 ib 53 (o)12 (x )0(y)-3 (in)8 5e(p)-9 (1.488 -e(d)11.mp1o)12 .iosy(y)8 (ds o)

### Notes: