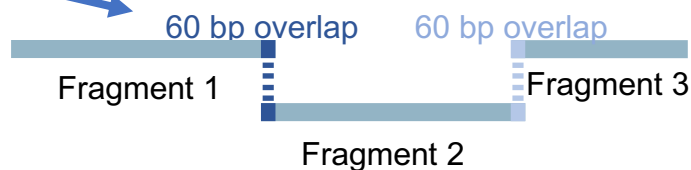
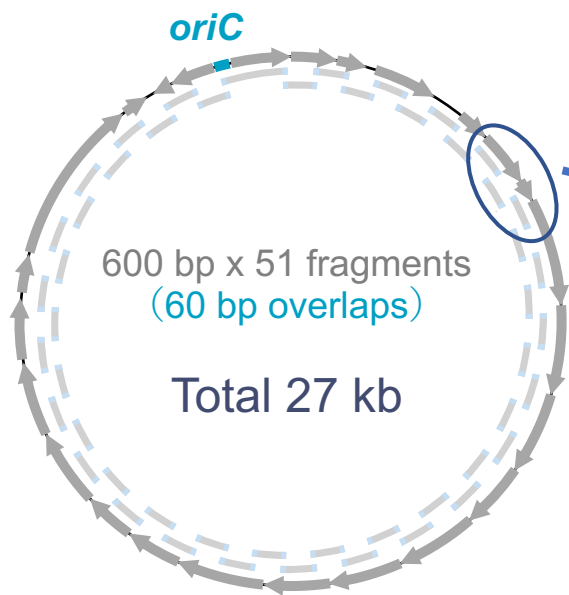
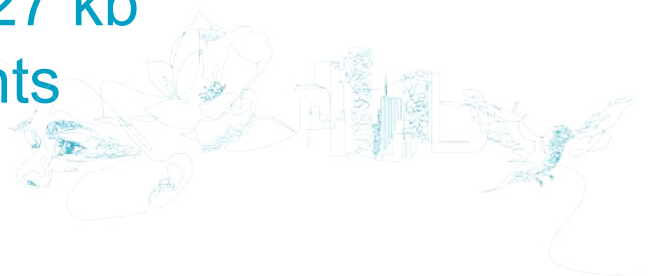


Multi DNA fragments/ One reaction mixture/ high purity of products

# Two-step construction of 27 kb plasmids from 51 fragments

## I. Experimental Design



Each fragments (gray bar) have 60 bp overlapping ends. Arrows show functional gene from *E.coli* or an antibiotics resistance gene. *oriC* Cassette is represent in the blue bar.

## II. Result

5  $\mu$ L of Loading Buffer (25 mM Tris-HCl pH 8.0, 25 mM EDTA, 0.1% SDS, 5% glycerol, 0.1% bromophenol blue) was added to 0.5  $\mu$ L of amplification products. Used 0.5% Agarose, 0.5X TBE for electrophoresis.

