

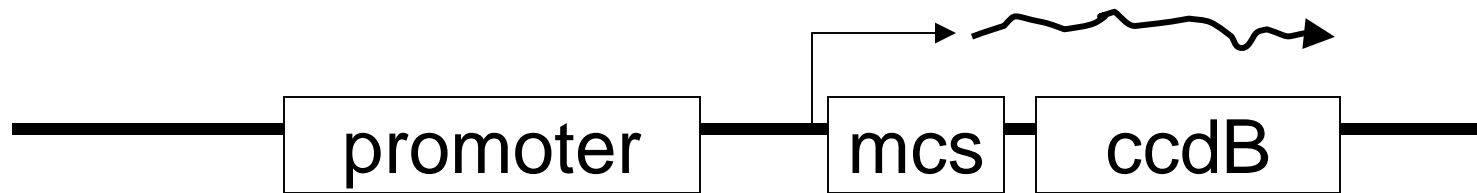
# Suicide Plasmids

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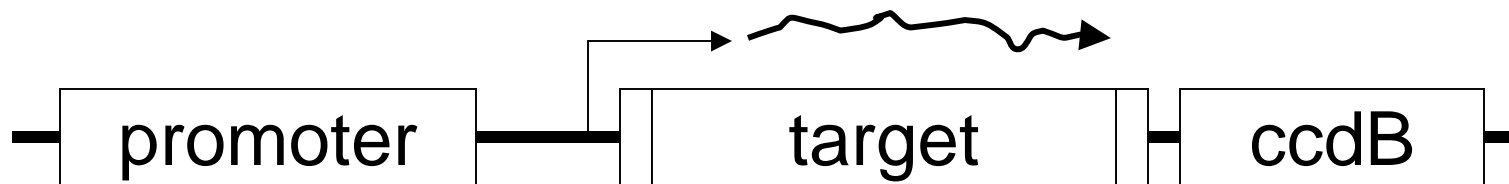
- contain the *ccdB* gene
- encodes a protein which inhibits gyrase, which is essential for replication
- located on plasmid downstream of cloning sites
- Cloning of target DNA prevents expression of *ccdB* gene - cell survives

# Suicide Plasmids

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**CELL DIES**



**CELL SURVIVES**