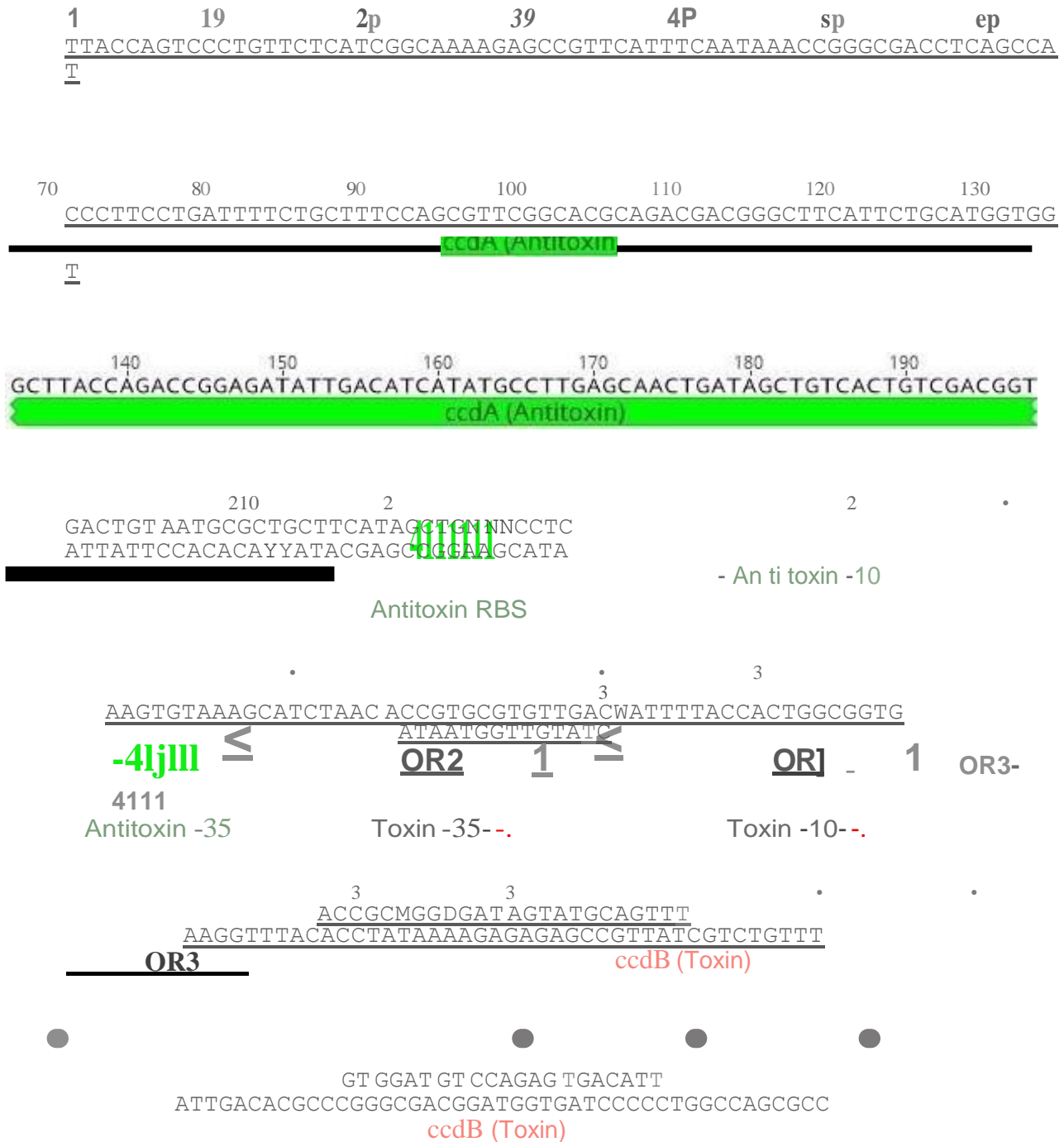


Figure S1. Related to Figure 2: Sequences of essentializer degenerate library. Green = the antitoxin ORF and regulatory regions, Red = the toxin ORF and regulatory regions. Grey = the binding regions for *ci* and *Cro*, * indicating it has been modified to increase binding efficiency according to previously published work (Sarai & Takeda, 1989; Takeda et al., 1989).



• • 5
CGCCTACTGTCAGACAAAGTCTCCCGTGAGCTTT
ACCCGGTGGTGCATGTCGGGGATGAAAGCTGG
ccdB (Toxin)

5 5
CGCATGATGACCACCGATATGGCCAGTGTGCCGGTCTCCGTTATCGGGG
AAGAAGTGGCCGATCTC
ccdB (Toxin)

600 610 620 630 640 651
AGCCACCGCGAAAATGACATCAAAAACGCCATTAACCTGATGTTCTGGGGAATATAA
ccdB (Toxin)