

S4 Table. DNA fragments, templates, and primers for the construction of pDSADE, 16,076 bp, 25 nt OL only

nF	No	Template	Primer pair sequence	DNA	Size bp
2F	F1	pDcEG	ACTTTGACATTGATTATTGACTAGT TATT CCCCAAATCATACCTGACCTCCATA	Kan-Hyg-Ori-P _{CMV} -Dcr-EGFP	11795
	F2	pDSA	TATGGAGGTCAGGTATGATTGGGG GTAATGATACCG ACTAGTCAATAATCAATGTCAAAGT TCCTCCTTTCAGCAA	LacI-coaD-SUMO-CoaA	4331
3F	F1	pDcEG	ACTTTGACATTGATTATTGACTAGT TATT CACCCTTCCAGCACTACCAGCGCT FCCGCTATTGGGAACC	P _{CMV} -Dcr	6487
	F2	pDcEG	AGCGCTGGTAGTGTGGAAGTGGTGAACCCAATAGCGCAG CCCCAAATCATACCTGACCTCCATA	EGFP-Kan-Hyg-Ori	5333
	F3	pDSA	TATGGAGGTCAGGTATGATTGGGG GTAATGATACCG ACTAGTCAATAATCAATGTCAAAGT TCCTCCTTTCAGCAA	LacI-coaD-SUMO-coaA	4331

Note:

1. coaA = coaA gene coding for *E. coli* pantothenate kinase
2. coaD = coaD gene coding for *E. coli* phosphopantetheine adenylyltransferase